

CONSTRUCTION SAFETY PRODUCTS, INC.



CONSTRUCTION
SAFETY PRODUCTS

**FORESTRY • LOGGING • SURVEYING • OIL & GAS • SAFETY • SIGNS
ENVIRONMENTAL • PAVEMENT • FIRST AID • LIGHTS • TOOLS
OUTDOOR GEAR • POLE MILL • PROTECTIVE CLOTHING
TRAFFIC CONTROL • TRUCK SAFETY • ARBORIST**

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CRUISER VESTS

CSP DELUXE 10-POCKET CRUISER VESTS

The sturdy construction and numerous pockets make these best-selling vests. These vests are used by Foresters, Surveyors, Geologists, Engineers or anyone working or playing in the outdoors. 3 styles available to fit your needs.

Features include:

- Six front pockets including a pen/scale organizer and flagging tape dispenser pocket and two large inside pockets.
- The entire back is a pocket with a full length side zipper for easy access. (mesh vest only)
- An expandable knapsack is sewn on the back for extra capacity. (cotton duck & cordura vest only)
- All edges are bound to prevent fraying.
- Numerous non-magnetic grommets for attaching special instruments, including a flagging dispenser pocket.
- Snaps are reinforced with nylon webbing to prevent from pulling through the fabric and reinforced wear areas.
- Color: High Visibility Orange
- Made in North America
- 4XL – 60"/152.5cm Available by special order

1000 DENIER CORDURA NYLON CRUISER VEST

3500	Small: 35-37 chest	\$72.00 each
3501	Medium: 37-39 chest.....	\$72.00 each
3502	Large: 39-43 chest.....	\$72.00 each
3503	X-Large: 43-46 chest	\$72.00 each
3504	2X-Large: 46-49 chest.....	\$72.00 each
3505	3X-Large: 49-52 chest.....	\$72.00 each

100% 10 OZ. COTTON DUCK CRUISER VEST

3510	Small: 35-37 chest	\$72.00 each
3511	Medium: 37-39 chest.....	\$72.00 each
3512	Large: 39-43 chest.....	\$72.00 each
3513	X-Large: 43-46 chest	\$72.00 each
3514	2X-Large: 46-49 chest.....	\$72.00 each
3515	3X-Large: 49-52 chest.....	\$72.00 each

100% TEXTURIZED POLYESTER MESH CRUISER VEST

3570	Small: 35-37 chest	\$72.00 each
3571	Medium: 37-39 chest.....	\$72.00 each
3572	Large: 39-43 chest.....	\$72.00 each
3573	X-Large: 43-46 chest	\$72.00 each
3574	2X-Large: 46-49 chest.....	\$72.00 each
3575	3X-Large: 49-52 chest.....	\$72.00 each



CORDURA

COTTON DUCK

MESH

SWEDEPRO TOOL VEST

- Radio/cell phone pocket with pen holder
- High visibility orange twill material
- Zippered side pocket for safety
- 2 Durable nylon pockets to hold tools
- 2 Additional zippered nylon pockets
- Metal D ring for loggers tape



50017	Large: 36"-42"	\$65.00 each
50018-XL	X-Large: 44"-52"	\$65.00 each
50020	2X-Large: 52"-59"	\$65.00 each

RADIANS HEAVY DUTY SOLID TWILL & SURVEYOR'S VEST

Heavy Duty Contractor Surveyor's Vest with large back "plan" pocket. Built with rugged HiVis orange material, reinforced wear points, and long-wearing web reinforcement along outer edges. Mesh upper, front and back, for breathability and comfort. Features 9 pockets: Front: Large Radio/Cell Phone, Split Pencil/Table, 2 each full with flap cover. Inside: 2 each lower full width, flap covered chest.



SV59-2ZOD-SZ	Class 2	\$29.50 each
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SHOP ONLINE AT

WWW.CSPFORESTRY.COM



CHEST PACKS

TABLET EX GEAR CHEST PACKS

Tablet EX Gear Chest Packs offer a convenient way to carry your tablet, maps or notebook. Adjustable for 5'2" - 6'5" (5'4" to 6'5" for the Cortes) and waist measurement of 26" - 45". Features a harness comfortable enough to wear for an entire day. Blaze orange with hi-viz yellow stripes. Multiple attachment points for accessories below.

THE STIRLING PACK (FOR 7, 8 OR 9 INCH TABLETS)

The Stirling Pack is designed to carry a 7, 8, or 9" tablet computer. The tablet is safely stored in, and easily accessed from, the main pouch (a zippered pouch close to the body). Mounted on the front of the main pouch are two pockets designed to carry a variety of field gear – e.g. portable radio, compass, cell phone, flagging tape, etc.

The top pocket can be adapted to carry a portable radio with the included shock cord quick release and pocket insert. The bottom pocket has a removable divider to allow users to adapt the pack to their specific needs. On both sides of the main pouch are pockets designed to hold items such as: folding knife, flashlight, large felt pen, stylus, etc. **Tablet not included.*



STIRLING CHEST PACK

THE CORTES PACK (FOR 10 INCH TABLETS)

The Cortes Pack is primarily designed to carry a 10" (or smaller) tablet computer. The tablet is conveniently located in the zippered pouch closest to the body. Mounted on the front of the pouch are four pockets designed to carry field gear – i.e. portable radio, compass, cell phone, flagging tape, etc. There is also a pocket for a stylus located between the two lower main pockets. On both sides of the main pouch are pockets designed to hold items such as: folding knife, flashlight, large felt pen, etc.

The harness is designed to be comfortable for an entire day of work in the field. It also provides additional carrying capacity by providing attachment points for pouches, bags and holsters that are made to be carried on a 1-1/2" belt. Both the belts on the side panels and on the back can serve as attachment points. **Tablet not included.*



CORTES CHEST PACK

- TEG1013STIR-OR Stirling Pack – For 7", 8", 9" Tablets \$105.95 each
- TEG1013CORT-OR Cortes Pack – For 10" Tablets \$125.95 each

CHEST PACK ACCESSORIES

- TEG1013RADI-OR Radio holster \$12.95 each
- TEG1013WTBT-OR Water bottle/Paint Can Holder \$12.95 each
- TEG1013SMLU-OR Small Utility Pouch \$12.95 each
- TEG1013LRGU-OR Large Utility Pouch \$14.95 each
- TEG0214SLVE-GR Mini Sleeve Insert, for Cortes Pack..... \$16.95 each
- TEG0714BUKR-BL Buckle Repair Kit, Two sets \$4.95 set
- TEG0714BELT-BR Extra Long Belt for Larger Waists \$8.95 each
- TEG0215APMK Antenna Pole Mounting Kit * \$32.95 each



Radio holster



Water bottle/Paint Can Holder

** Compatible with all antenna poles with 5/8" threads in the pole base – i.e. those made by Seco.*

"HANDS FREE" ACCESSORIES

Part Number	Fits Tablets	For Chest Pack	Price
TEG0315HFMINI	iPad Mini	Stirling Pack	\$54.95
TEG0315HFMINI-CORT	iPad Mini	Cortes Pack	\$54.95
TEG0315HF7	Panasonic 7"	Stirling Pack	\$54.95
TEG0315HFRMIS7	Ruggedbook iS7	Stirling Pack	\$54.95
TEG0315HFIPAD	iPad 2, 3 or 4	Cortes Pack	\$59.95
TEG0315HFAIR	iPad Air & Air 2	Cortes Pack	\$59.95
TEG0315HF10	Panasonic 10 Standard	Cortes Pack	\$59.95
TEG0315HF10-RF	Panasonic 10 w/RF Reader	Cortes Pack	\$59.95
TEG0315HF10-BAT	Panasonic 10 w/9 Cell Battery	Cortes Pack	\$59.95
TEG0315HFX10	Xplore Ranger X 10 Android	Cortes Pack	\$59.95
TEG0315HFYUMA2	Trimble Yuma 2	Cortes Pack	\$59.95
TEG0315HFHPEP	ElitePad in Expansion Jacket Case	Cortes Pack	\$59.95
TEG0515HFHELIX11.6	Lenovo Helix 2nd Gen 11.6	Cortes Pack	\$59.95



Small Utility Pouch



Large Utility Pouch



Mini Sleeve



"Hands free" Accessories

ROLL FLAGGING

STANDARD COLOR FLAGGING

- 1.1875" x 300' per roll
- 2.5 mil taffeta
- Cold Crack -20 ° F
- 12 rolls per carton, 144 rolls per case

- 27O Orange
- 27B Blue
- 27R Red
- 27G Green
- 27Y Yellow
- 27W White
- 27P Pink
- 27BK Black



1-11 rolls	\$2.15 each
12-47 rolls	\$1.40 each
48-143 rolls	\$1.25 each
144+ rolls.....	\$1.10 each

GLO COLOR FLAGGING

- 1.1875" x 150' per roll
- 4.5 mil taffeta
- Cold Crack -20 ° F
- 12 rolls per carton, 144 rolls per case

- 27OG Orange Glo
- 27RG Red Glo
- 27PG Pink Glo
- 27YG Yellow Glo
- 27BG Blue Glo
- 27GG Green Glo
- 27LG Lime Glo



1-11 rolls	\$2.15 each
12-47 rolls	\$1.40 each
48-143 rolls	\$1.25 each
144+ rolls.....	\$1.10 each

TIMBER HARVEST BOUNDARY

PROPERTY LINE

TRUCK ROAD



PRINTED FLAGGING

- Standard Colors - 150', Glo Colors 300'
- Bold black messages
- 1.1875" wide
- 2.2 mils
- 9 rolls per carton, 108 rolls per case
- Cold Crack -20 ° F

WETLAND DELINEATION

STREAMSIDE MANAGEMENT ZONE

SKID TRAIL



23PGDNC	Pink Glo	"DO NOT CUT"
23YWEEZ	Yellow/White stripe	"EQUIPMENT EXCLUSION ZONE"
23PGER	Pink Glo	"ESCAPE ROUTE"
23YBHC	Std. Yellow	"HAZARD - CAUTION"
23PGKT	Pink Glo	"KILLER TREE"
23GWLWP2	Blue/White Stripe	"LAKE & WATERCOURSE PROTECTION ZONE"
23PGPL	Pink Glo	"PROPERTY LINE"
23PGRMZ	Pink Glo	"RIPARIAN MANAGEMENT ZONE"
23YBST	Std. Yellow	"SKID TRAIL"
23OWSTZ	Orange/White Stripe	"SPECIAL TREATMENT ZONE"
23OGSMZ	Orange Glo	"STREAMSIDE MANAGEMENT ZONE"
23PGSMZ	Pink Glo	"STREAMSIDE MANAGEMENT ZONE"
23PGTHB	Pink Glo	"TIMBER HARVEST BOUNDARY"
23OGTHB	Orange Glo	"TIMBER HARVEST BOUNDARY"
23OBTR	Orange/Black Stripe	"TRUCK ROAD"
23PGWD	Pink Glo	"WETLAND DELINEATION"
23YBC	Yellow/Black Stripe	"CAUTION"

1-8 rolls	\$2.90 each
9-107 rolls	\$2.25 each
108+ rolls.....	\$1.95 each

*Custom Printed Flagging Available, Call For Details

ROLL FLAGGING

STRIPED ROLL FLAGGING

- Std. - 2 mil, Glo-2.5 mil
- 1-3/16" x 300' per roll (Glo colors are 150 sq ft. rolls)
- 12 rolls per carton, 144 rolls per case

- 26BW Blue/White
- 26PGB Pink Glo/Black
- 26YB Yellow/Black
- 26GB Green/Black
- 26OW Orange/White
- 26WB White/Black
- 26OGB Orange Glo/Black
- 26RW Red/White
- 26YW Yellow/White
- 26OB Orange/Black
- 26RB Red/Black
- 26BB Blue/Black

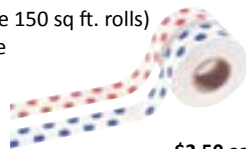


1-11 rolls	\$2.50 each
12-143 rolls	\$1.75 each
144+ rolls.....	\$1.45 each

POLKA-DOT ROLL FLAGGING

- Std. - 2 mil, Glo-2.5 mil
- 1-3/16" x 300' per roll (Glo colors are 150 sq ft. rolls)
- 12 rolls per carton, 144 rolls per case

- 26PDB Blue Dots
- 26PDR Red Dots
- 26PDO Orange Dots



1-11 rolls	\$2.50 each
12-143 rolls	\$1.75 each
144+ rolls.....	\$1.45 each

ARCTIC ROLL FLAGGING

- Thick durable flagging designed for low temperatures
- Std.-3 mil, Glo-5 mil
- Cold-crack resistant to -40° F
- 1-3/16" x 125' per roll

- 2740OG Orange Glo
- 2740-BG Blue Glo
- 2740PG Pink Glo



1-11 rolls	\$2.45 each
12-47 rolls	\$1.70 each
48-143 rolls	\$1.55 each
144+ rolls.....	\$1.40 each

TEXAS ROLL FLAGGING

- Superior Weathering Abilities
- Standard-2 mil, Glo-3 mil
- 150' per roll, Glo colors
- 300' per roll, Standard colors
- Cold-resistant to -20 degrees F

- | | |
|------------------|-------------|
| 27OGT Orange Glo | 27PT Pink |
| 27BGT Blue Glo | 27OT Orange |
| 27PGT Pink Glo | 27GT Green |
| 27RGT Red Glo | 27BT Blue |
| 27LGT Lime Glo | 27WT White |
| 27GGT Green Glo | 27YT Yellow |
| 27YGT Yellow Glo | |



1-11 rolls	\$2.15 each
12-47 rolls	\$1.39 each
48-143 rolls	\$1.25 each
144+ rolls.....	\$1.15 each

BIODEGRADABLE FLAGGING

- 1" x 100' rolls
- 10 rolls/carton - 100 rolls/case
- The most environmentally friendly marking solution available
- Made of non-woven cellulosic material derived from wood pulp
- Flagging is completely non-toxic to humans, animals and the environment.
- Complete degradation will occur outdoors in six to twenty-four months depending on the climate and environmental conditions.

- 27BDR Red
- 27BDB Blue
- 27BDW White
- 27BDY Yellow
- 27BDOG Orange Glo
- 27BDPG Pink Glo



1-39 rolls	\$2.45 each
40-99 rolls	\$1.70 each
100+ rolls.....	\$1.55 each

KESON HANDI-FLAGGER FLAGGING TAPE DISPENSER

Convenient metal flagging tape dispenser is an ideal companion when doing large marking jobs. Always at your side. Dispenser adjusts to the size of the roll as the roll is depleted.



FTD12.....	\$8.75 each
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STAKE CHASERS/WHISKERS

- Used for marking foundations
- 6" flexible, colored bristles
- Pound into stake with a 60 penny nail.



- 0100 Orange
- 0200 Blue
- 0300 Pink
- 0400-Y Yellow
- 0500-R Red

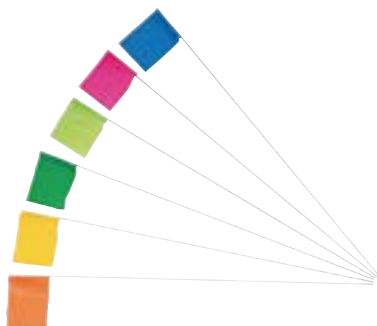
Bundles of 25.....	\$3.25 each
20+ Bundles	\$2.85 each
Box of 1,000	\$110.00 per box

NOTES

- **GLO Flagging is always sold in rolls of 150'**
- **Standard Flagging is always sold in rolls of 300'**

MARKING FLAGS

Vinyl Flags w/ Wire Staff									
Plain Color Flags							Volume Pricing		
Flag Size	Wire Length	Red	Orange	Yellow	Blue	White	1-9	10+	50+
2-1/2" x 3-1/2"	15"	2315-R	2315-O	2315-Y	2315-B	2315-W	\$5.75	\$5.25	\$4.75
	18"	2318-R	2318-O	2318-Y	2318-B	2318-W	\$6.45	\$5.75	\$5.25
	21"	2321-R	2321-O	2321-Y	2321-B	2321-W	\$6.75	\$5.95	\$5.45
4" X 5"	24"	4524-R	4524-O	4524-Y	4524-B	4524-W	\$8.50	\$7.90	\$7.00
	30"	4530-R	4530-O	4530-Y	4530-B	4530-W	\$8.75	\$7.95	\$7.10
	36"	4536-R	4536-O	4536-Y	4536-B	4536-W	\$9.50	\$8.75	\$7.90
Fluorescent Color Flags							Volume Pricing		
Flag Size	Wire Length	Pink Glo	Orange Glo	Red Glo	Blue Glo	Lime Glo	1-9	10+	50+
2-1/2" x 3-1/2"	15"	2315-PG	2315-OG	2315-RG	2315-BG	2315-LG	\$5.75	\$5.25	\$4.75
	18"	2318-PG	2318-OG	2318-RG	2318-BG	2318-LG	\$6.45	\$5.75	\$5.25
	21"	2321-PG	2321-OG	2321-RG	2321-BG	2321-LG	\$6.75	\$5.95	\$5.45
4" x 5"	24"	4524-PG	4524-OG	4524-RG	4524-BG	4524-LG	\$8.50	\$7.90	\$7.00
	30"	4530-PG	4530-OG	4530-RG	4530-BG	4530-LG	\$8.75	\$7.95	\$7.10
	36"	4536-PG	4536-OG	4536-RG	4536-BG	4536-LG	\$9.50	\$8.75	\$7.90



BIODEGRADABLE MARKING FLAGS

Made of non-woven cellulosic material derived from wood pulp. Completely non-toxic to humans, animals and the environment. Biodegradable Flag Staffs are constructed of wood which guarantees complete degradation of the entire product.

- Sold in bundles of 50.
- 4" x 5" Flag with 24" Wooden Stake

Part number	Color	Quantity 1-9	Quantity 10-19	Quantity 20+
BD4524PG	Pink Glo	\$18.50 per bundle	\$16.50 per bundle	\$15.50 per bundle
BD4524OG	Orange Glo	\$18.50 per bundle	\$16.50 per bundle	\$15.50 per bundle

MARKING FLAGS WITH PVC STAFF

- 4" 5" Marking Flags with 24" PVC staff
- Standard Colors, Non-Fluorescent
- Sold in bundles of 100



Part number	Color	Quantity 1-9	Quantity 10-19	Quantity 20+
P4524Y	Yellow	\$11.20 per bundle	\$9.75 per bundle	\$8.45 per bundle
P4524B	Blue	\$11.20 per bundle	\$9.75 per bundle	\$9.75 per bundle
P4254W	White	\$11.20 per bundle	\$9.75 per bundle	\$9.75 per bundle
P4524O	orange	\$11.20 per bundle	\$9.75 per bundle	\$9.75 per bundle
P4524R	red	\$11.20 per bundle	\$9.75 per bundle	\$9.75 per bundle

WATER WORKS FLAGS

- 4" x 5" x 21"
- Bundle of 100

4524-W-WW	White	\$ 11.25 each
4524-R-WW	Red	\$ 11.25 each
4524-GG-WW	Green Glo	\$ 11.25 each
4524-B-WW	Blue	\$ 11.25 each

WETLAND DELINEATION FLAGS

- 4" x 5" x 30"
- Bundle of 100

4530-PGWD	Pink Glo	1-9	\$11.50 each
		10+	\$9.95 each



LUMBER CRAYONS

MARKAL® PRO-EX® LUMBER CRAYONS

Markal® Pro-EX® is a clay-based, extruded lumber crayon for bright marks on different surfaces. This premium-grade crayon works on wet or dry surfaces. Stronger formula for reduced breakage and longer marking life.



- 80388-Purple
- 80383-Black
- 80381-Yellow
- 80382-Red
- 80385-Blue
- 80386-Green
- 80380-White
- 80387-Pink
- 80384-Orange
- 80379-Brown

- 1-71.....\$0.85 each
- 72-141.....\$0.80 each
- 144+.....\$0.75 each

MARKAL® #200 LUMBER CRAYONS

Markal® #200 lumber crayon is a soft, standard-grade lumber crayon for general-use marking and works well in cold climates. The wax-based mark is weather- and UV-resistant.



- 80350-White
- 80351-Yellow
- 80352-Red
- 80353-Black
- 80354-Orange
- 80355-Blue
- 80356-Green
- 80358-Purple

- 1-71.....\$0.80 each
- 72-143.....\$0.74 each
- 144+.....\$0.69 each

DIXON® LUMBER CRAYONS

Dixon® extruded lumber crayons last up to 10 times longer than ordinary molded wax crayons. Fade-proof, water-proof, smear-proof. Won't melt in direct sunlight. Will work on wet (green) lumber or dry wood, metal, concrete and most other surfaces.



- 522-Green
- 523-White
- 36512-Soft Graphite
- 52012-Soft Red
- 52112-Soft Blue
- 526-Fluorescent Pink
- 493-Purple
- 494-Black
- 496-Yellow
- 520-Red
- 521-Blue

- 1-71.....\$0.69 each
- 72-143.....\$0.60 each
- 144+.....\$0.55 each

Lumber Crayon Specifications:

- Standard 4-1/2" x 1/2"
- Hex-Shaped
- Sold by the dozen (one color).
- Case pack is 12 boxes.

HOLDERS FOR 1/2" HEX-SHAPED LUMBER CRAYONS

Part Number	Name	Description	Price
85400	Keson LC Holder	Aluminum, Push Button Advancing, Leather Wrist Strap	\$7.25
PS100	Peterson 100	Wooden, Leather Wrist Strap	\$9.95
500-A	Dixon Crayon Holder	Walnut, No Wrist Strap	\$6.95
PB150	Peterson 150	Heavy Duty Brass, Leather Wrist Strap	\$14.95
85401	Markal #106 Holder	5" Combination Carpenter Pencil and Crayon Holder	\$16.95
PB3600	Peterson Long Handle	36" Marking Stick with PB150 Crayon Holder	\$27.95
319	Conway Cleveland Marking Stick	36" Wooden Marking Stick with 5/8" Hardwood Dowel Extension	\$29.75
819	Conway Cleveland Marking Stick	37.5" Brass Holder/Plunger with Turned Ash Handle	\$62.75



PS100



PB150



85400



819



PB3600

SCANNABLE CRAYONS



MARKAL® SCAN-IT® PLUS CRAYONS

Markal® Scan-It-Plus® is a versatile grade marking crayon with multiple hardnesses and sizes to mark most lumber types in varying production environments. Each batch is tested to meet the specifications for Lucidyne ColorScan® grade mark readers. Superior color separation for accurate grading compared to competitive crayons. Makes smear-resistant marks, reduces scanning errors. Up to 14 fluorescent colors in three hardnesses for varying production environments. Offered in 2 sizes: standard 11/16" (17 mm), hex shape 1/2" (13 mm). Made in U.S.A. Sold in multiples of 12 of each color:



COLOR	SOFT ROUND	SOFT HEX	MEDIUM ROUND	MEDIUM HEX	HARD ROUND	HARD HEX
Blue Moon	82635	82630	82335	-	82235	-
Russet Brown	82648	-	82348	-	82248	-
Pink	82645	82640	82345	82340	82245	-
Orange	82636	-	82336	82331	82236	82231
Watermelon Red	82637	-	82337	-	82237	82232
Red Cedar	82638	-	82338	-	82238	-
Emerald Green	-	-	82346	82341	82246	-
Grasshopper Green	82639	-	82339	-	82239	82234
Pumpkin	-	-	82347	-	-	-
Lime Green	82658	-	82358	-	-	-
Lemon Yellow	82659	-	82359	-	-	-
Pink Marble	-	-	82355	-	82255	-
Invisible Blue					82254	

1-143.....\$1.55 each
 144+.....\$1.45 each

MARKAL® ULTRASCAN CRAYONS

Markal® ULTRASCAN lumber grading crayons provide the best color separation and character recognition in the industry for grade mark readers. Bright colors provide the highest fluorescent response of any lumber grading marker. Maximum character recognition and accuracy for the lowest possible reject rates. Each batch is tested to meet the specifications for Lucidyne ColorScan® and Newnes-McGehee grade mark readers. Unique formula provides excellent writing on wet and green lumber, even with fungicide coating. 27 colors for superior color separation compared to competitive fluorescent wax crayons. Specifically developed for Lucidyne, Newnes-McGehee and Cypress grade mark readers. One hardness for all temperatures, eliminates duplicate inventory. Dramatically longer use, provides up to 4X the writing life of competitive crayons. Made in U.S.A. Sold in multiples of 12 of each color.



1-143.....\$3.55 each
 144+.....\$3.35 each

82430 - Brick Red 11	82439 - Dark Orange 42	82450 - Blue Green 70	82463 - Golden Rod 54
82431 - Magenta 21	82440 - Brown 52	82451 - Bright Pink 91	82466 - Purple 24
82432 - Red Orange 31	82441 - Green 62	82452 - Royal Blue 80	82467 - Bright Red 34
82433 - Orange 41	82442 - Rust 13	82457 - Light Blue 81	82468 - Neon Orange 31
82434 - Berry 51	82446 - Yellow Orange 53	82459 - Bright Orange 44	82469 - Tan 45
82435 - Lime 61	82447 - Yellow 63	82461 - Spring Green 71	82470 - Tangerine 03
82436 - Burgundy 12	82448 - Trial Pack	82462 - Dark Brown 55	

SCANNABLE & RAILROAD CRAYONS/CHALKS

SCANNABLE CRAYONS & CHALKS

MARKAL® OPTIMARK® CRAYONS

Markal® Optimark® improves automatic cut-off saw accuracy. This fluorescent crayon makes bright, clear marks, eliminating missed scans. Formulated to minimize color transfer to machinery, reducing work downtime and clean-up. Lasts longer - up to 4x the writing life compared to ordinary crayons and fluorescent markers. Six visually distinct fluorescent colors identifies multiple operators. Made in U.S.A. Sold in multiples of 12 of each color:



82742 - Flo Red 82744 - Flo Pink 82746 - Flo Yellow Orange
82743 - Flo Orange 82745 - Flo Red Orange 82747 - Flo Burgundy

1-143 \$1.95 each
144+ \$1.75 each

MARKAL® PROGRADE LUMBER CRAYON HOLDER

Designed for Markal scanning markers, this flexible, composite plastic holder reduces shock to the hands and helps prevent marker breakage. Its push-button design makes for easy, single-hand use on the jobsite.



85496 1-11 \$39.95 each
12+ \$37.95 each

#112 PETERSON HOLDER

Fits 11/16" Round Lumber Crayons and Scannable Crayons



PFL2000 \$10.95 each

DIXON® FLUORESCAN® CRAYONS

Brilliant fluorescent wax crayons are scannable with UV scanning equipment. Large round size (5" x 11/16") for an easy grip. One dozen per box.



13001A - Red
13003 - Orange

Box of 12 \$10.95 each
12+ Boxes \$9.95 each

DIXON® FLUORESCAN® CHALK

Brilliant fluorescent chalk, scannable with UV scanning equipment. Available in a selection of fluorescent colors. Large 4"x1" tapered stick for an easy grip. Packed 144 sticks per box.



12004A - Yellow Green
12007A - Red Violet
12008A - Blue Violet
12001A - Red
12003A - Orange

Box of 144 pieces \$86.95 per box
*QUANTITY DISCOUNTS AVAILABLE - CALL FOR DETAILS

DIXON® HALF-MOON CARPENTERS CHALK

The original carpenter's chalk. Marks easily, clings readily, and can be painted over. Available in two colors. Hemispherical 2-1/2" cake. Packed 72 pieces per box



777-B Blue
777-W White

Box of 72 pieces \$12.95 per box

RAILROAD CHALKS

DIXON® RAILROAD CHALK

The original marking chalk for temporary markings on metal, wood, stone, and paperboard.

- Coated for cleaner handling
- 4" x 1" tapered round shape
- Sold in boxes of 72 pieces



88815 - Blue
88811 - Red
88819 - White
88813 - Yellow

Box of 72 pieces \$11.95 per box

MARKAL® WALBUCK® RAILROAD CHALK

Large diameter chalk makes bold, wide temporary marks that are easy to read on virtually any surface. Wide, tapered shape is easy to hold, even with gloves. Length: 4" (10.2 cm)



80500 - White 80507 - Orange
80501 - Yellow 80508 - Sky Blue
80502 - Red 80509 - Cherry
80505 - Blue 80510 - Pink
80506 - Green

Box of 144 sticks \$29.95 per box

MARKAL® BACK SAVER ANGLE CHALK HOLDER

Made of high-strength aluminum alloy for added durability. Adjustable fitting can hold 1" diameter railroad chalk. Adjustable angle from straight to 90°. Telescope capability from 26"-40".



85600 \$49.95 each

KESON® RAILROAD CHALK HOLDER

4" long Aluminum Railroad Chalk Holder



CH-400 \$7.95 each

PERMANENT MARKERS

REDIMARK® METAL BARREL MARKERS

Excellent durability! Six inch metal barrel is perfect for tough environments. Won't crack, melt, or break. Leak-proof, seamless metal body, heavy-duty chisel felt-tip with anchored nib construction. Permanent, alcohol based, fast drying ink is fade resistant on glass, plastic, metals, wood, cellophane, paper and more. Packed 12 per Box. Chisel Tip, 6" Barrel



87170	Black, 1-11	\$1.65 each
	12+	\$1.40 each
87180	Blue, 1-11	\$1.65 each
	12+	\$1.40 each
87140	Green, 1-11	\$1.65 each
	12+	\$1.40 each
87110	Red, 1-11	\$1.65 each
	12+	\$1.40 each

ARROMARKER VALVE ACTION FIBER TIP PERMANENT MARKER



- Permanent
- Dye-type ink
- Valve-action
- Waterproof
- Xylene-free
- Highly visible
- Quick dry
- Resists Abrasions
- Conforms to ASTM 4236
- Works on most surfaces
- Alcohol-based - contains no aromatic solvents
- Temperature range of -5 to 125 F (-20 to 49 C)

00127-BLACK	
1-11	\$2.50 each
12-59	\$2.25 each
60+	\$1.95 each

MARKAL #80 DURA-INK®

Large ink supply for increased marking mileage. Smear-resistant, water-resistant, fast-drying. Tough, durable tip marks on all surfaces including metal, wood, glass, cardboard, paper, etc.



- Metal barrel & rounded tip

96923 - Black	
1-12	\$2.85 each
12+	\$2.65 each

MARKAL #200

DURA-INK® #200 is the largest permanent ink marker produced by Markal®. The extra-wide chisel top marks in two size: 5/8" and 3/8".



- Black and red inks contain low halogens.
- Jumbo ink supply for greater mileage.
- Ink formulated for industrial strength usage.
- Durable cap and barrel for heavy-duty use.
- Use on cardboard, wood, metal, paper, ceramics, cloth, glass, etc.

96916 - Red	
96917 - Black	
96914 - Green	
1-12	\$3.50 each
12+	\$3.25 each

DIXON® REDISHARP PLUS™ PERMANENT MARKERS

RediSharp Plus Markers are low odor, water-based permanent markers that mark on most surfaces, including CDs. They feature a patented thumb button cap for one hand cap release and the ink won't bleed through paper. The finish contains Microban® to inhibit the growth of odor and stain causing bacteria on the marker. AP certified non-toxic. Conforms to ASTM standards. Sold by the dozen. Fine Tip



98201	Red	\$11.95 each
98204	Green	\$11.95 each
98207	Black	\$11.95 each

DIXON® METAL BODY FELT TIP MARKERS

- Leak-proof, seamless metal 6" body
- Heavy-duty chisel point felt tip, anchored nib construction
- Permanent, instant drying inks with excellent durability & fade resistance
- Marks glass, plastic, metals, cellophane, paper, etc...



87170 - Black	
87110 - Red	
87140 - Green	
87180 - Blue	
1-11	\$1.75 each
12+	\$1.50 each



FOR MORE MARKING PRODUCTS, VISIT OUR ONLINE STORES:

WWW.DIXONCSP.COM

AND

WWW.MARKALCSP.COM

**WE DO SPECIAL ORDERS!
CALL FOR DETAILS.**

PAINT MARKERS

FORESTRY SUPPLIES

MARKAL® "B" PAINTSTIK® MARKERS

All-purpose, cold surface marker contains real paint in stick form that dries overnight. Ideal for layout, color coding, inspection or fabrication. Marks on metal, wood, plastic, concrete, rubber, glass, cardboard and paper.



- 11/16" x 4-3/4"
- Lead-free
- Weather-resistant & fade-resistant
- Marking range of -50°F to 150°F
- Packaged 12 of one color to a box
- Colors can be mixed/matched for quantity discounts



- | | |
|----------------|----------------|
| 80220 - White | 80226 - Green |
| 80221 - Yellow | 80227 - Pink |
| 80222 - Red | 80228 - Purple |
| 80223 - Black | 80229 - Brown |
| 80224 - Orange | 80230 - Gray |
| 80225 - Blue | |

- | | |
|-------------------------|-------------|
| 1-71..... | \$1.15 each |
| 72-143..... | \$1.10 each |
| 144+..... | \$1.05 each |
| 80231 - Gold | |
| 1-143..... | \$4.15 each |
| 144+..... | \$3.95 each |
| 80233 - Silver | |
| 1-143..... | \$2.15 each |
| 144+..... | \$2.05 each |
| 80232 - Aluminum | |
| 1-143..... | \$2.15 each |
| 144+..... | \$2.05 each |

*We also carry Markal "F" Paintstiks

MARKAL® #102 PAINTSTIK® HOLDER

Durable metal holder promotes long work-life for all standard 11/16" (1.7 cm) size Markal solid paint crayons. Adjustable mechanism easily advances paint crayon. Designed for use with the following Markal standard size solid paint crayons: B®, B-E®, B-L®, BL-W®, C®, E®, F®, M®, M-10®, N®, O-10®, P®. For safer distance marking, 24" (0.6 m) and 36" (0.9 m) extensions are available for special order – call for details. Length: 6" (15.2 cm). Made in U.S.A.



- | | |
|------------|--------------|
| 85100..... | \$15.75 each |
|------------|--------------|

MARKAL® BALL PAINT MARKER

- Fine line marks with real paint that dries in minutes
- Ball size 1/8"
- Lead free
- Marks are weather and water resistant
- Marks on almost any surface
- Marking range: -50 F to 150 F
- Typical uses: metal & PVC pipe, I-beams, sheet metal, lumber
- Packed in unbreakable plastic bottle with durable metal ball tip



- | | |
|-------------------|-------------|
| 84620 White..... | \$5.50 each |
| 84621 Yellow..... | \$5.50 each |
| 84622 Red..... | \$5.50 each |
| 84623 Black..... | \$5.50 each |
| 84624 Orange..... | \$5.50 each |
| 84625 Blue..... | \$5.50 each |
| 84626 Green..... | \$5.50 each |

DIAGRAPH GP-X SPIKE SOLID PAINT MARKERS

The affordable, all-surface performer. Designed for marking on surfaces up to 150 Fahrenheit degrees, this inexpensive marker is ideal for most surfaces, including metal, wood, and rubber

- 0961-001 White
- 0961-002 Yellow
- 0961-003 Black
- 0961-005 Blue
- 0961-006 Orange



- | | |
|-----------|-------------|
| 1-11..... | \$1.25 each |
| 12+..... | \$1.15 each |

DIAGRAPH GP-X CLASSIC PAINT MARKERS W/XYLENE

The industry's favorite marker. Weather and fade-resistant colors. Makes permanent marks on: porous and non-porous surfaces, metal, wood, corrugated, rubber, plastic, and glass.



- | | |
|-----------------|-----------------|
| 0918-500 Black | 0968-520 Red |
| 0958-500 Yellow | 0968-521 Blue |
| 0968-500 White | 0968-522 Green |
| | 0968-523 Orange |

- | | |
|-----------|-------------|
| 1-11..... | \$2.75 each |
| 12+..... | \$2.50 each |

MARKAL® VALVE ACTION PAINT MARKERS

Valve Action is a fast-drying liquid paint marker that provides long-lasting wear and weather-resistant marks that are safe for almost any surface. As the most versatile liquid paint marker in the world, the xylene-free paint reduces user health risks and is available in bold and fluorescent colors for accurate mark identification.



- | | | |
|----------------|----------------|---------------------|
| 96809 - Brown | 96823 - Black | 96828 - Light Green |
| 96817 - Purple | 96824 - Orange | 96830 - Pink |
| 96820 - White | 96825 - Blue | 96832 - Aluminum |
| 96821 - Yellow | 96826 - Green | 96835 - Light Blue |
| 96822 - Red | 96827 - Gold | |

- | | |
|-----------|-------------|
| 1-11..... | \$2.95 each |
| 12+..... | \$2.75 each |

MARKAL® LACQUER-STIK®

Highlighter, fill-in paint provides bold, bright colors for even the smallest engravings.



Rubs in and wipes off easily, dries quickly. Paint stays flexible, expands and contracts with the surface, for long-lasting color. No mess or waste, eliminates dripping paint. Mark temperature resistance: up to 500°F (260°F). Meets U.S.A. federal specification TT-F-325a I and MIL-STD 171, Finish No. 30.1.1, Type I. Made in U.S.A.

- | | |
|-------------------|-------------|
| 51120 White..... | \$2.05 each |
| 51121 Yellow..... | \$2.05 each |
| 51122 Red..... | \$2.05 each |
| 51123 Black..... | \$2.05 each |

SPECIALTY MARKERS

MARKAL® SOAPSTONE MARKERS

Temporary marks can be easily removed. Marks will not contaminate weld or damage metal surface. Available in three easy to hold shapes: flat, round and square. Holders available for flat and round shapes to reduce breakage.

- 80129 - Flat
- 80130 - Round
- 80131 - Square
- Box of 144\$34.25 each



MARKAL® SOAPSTONE HOLDERS

Round twist-up and flat slide-up holders allow for full use of soapstone. Pocket clips keeps markers secure when not in use. Durable metal construction extends marker life. Length: round 5.3" (13.3 cm), flat 5.8" (14.6 cm)



- 80140 Flat Holder\$3.75 each
- 80141 Round Holder\$5.25 each

ALL-WEATHER® LIVESTOCK MARKERS

Real paint for longer lasting identification. Resists weather and water. Non-toxic, safe for all livestock. Wide range of colors to choose from. Marks on wet or dry animals. Made in the U.S.A

- 61011 - Fluorescent Yellow
- 61012 - Fluorescent Pink
- 61016 - Fluorescent Green
- 61017 - Fluorescent Tangerine
- 61020 - White
- 61021 - Yellow
- 61022 - Red
- 61023 - Black
- 61024 - Orange
- 61025 - Blue
- 61026 - Green
- 61027 - Light Blue
- 61028 - Fluorescent Orange
- 61029 - Purple
- 61030 - Emerald Green
- 61033 - Silver



- Single Marker\$0.95 each

MARKAL® RED-RITER® METAL MARKER

Highly visible marks illuminate when cutting or welding. Superior to soapstone in markability and durability; will not rub, burn or blow off surface. Marks on oily, wet or rusty metals, and will not scratch or abrade surfaces. Rugged metal holder prevents stick breakage and includes handy pocket clip for easy storage when not in use.



- 96005 Flat, Red\$5.75 each
- 96019 25 Pack Refills.....\$9.50 per pack

MARKAL® TRADES® MARKER

Great for many surfaces including: smooth, rough, rusty, or dirty surfaces. Marks are rub- and weather-resistant, leaving a bold, permanent mark. Marker refills eliminate mess and paper waste of grease pencils, saving time and money. Holder maximizes complete use of marker. Durable plastic holder helps prevent breakage and keeps hands and clothing clean. Push-button advancing makes for easy, one-handed use. Convenient clip allows for pocket storage and prevents rolling off work table. Multiple colors available for easy identification.



- 96000 Assorted Colors with Holder\$8.50 per pack
- Refills - 6 pack
- 96045 Red.....\$5.25 per pack
- 96044 Black\$5.25 per pack
- 96043 Yellow\$5.25 per pack
- 96042 White\$5.25 per pack

MARKAL® SILVER STREAK® METAL MARKERS

Highly visible marks illuminate when cutting or welding. Superior to soapstone in markability and durability; will not rub, burn or blow off surface. Marks on oily, wet or rusty metals, and will not scratch or abrade surfaces.



- 96004A Flat, Silver\$5.75 each
- 96018A 25 Pack Refills – Flat\$9.50 per pack
- 96006 Round, Silver\$8.25 each
- 96007-R 25 Pack Refills – Round.....\$5.95 per pack

DIXON® AMERICAN MARKING CRAYONS

Top quality, long lasting, wax crayons preferred by shippers and packers. 5"x 9/16". Strong colors will not melt in sunlight. Multiple colors available. Packed 12 per box.



- 05000 - Blue
- 05005 - Black
- 05010 - Red
- (Box of 12).....\$3.75 each

DIXON® HIGH HEAT METAL MARKING CRAYONS

For use on cold metal prior to heating. Applied at room temperature, legible to 2200°F. No toxic fumes, very low spattering. Hex shaped. White. Packed 72 per box.



- 63300 White\$77.95 per box

DIXON® LOW TEMP METAL MARKING CRAYONS

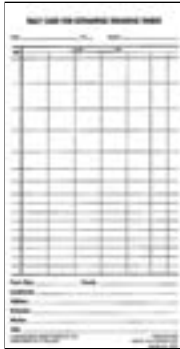
For use on hot metal. Applied at 200°F, legible to 1200°F. Hex shaped 4-1/2"x1/2". Mark will turn from yellow to brown at 1500°F but will still remain visible. Yellow. Packed 12 sticks per box.



- 66000 Yellow\$8.75 per box

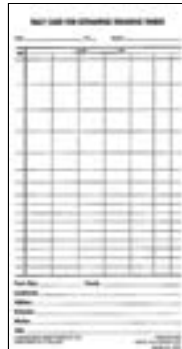
TALLY CARDS

Printed on white or buff card stock. Descriptive heading. Diameters up to 32" with spaces to record larger ones. Size 4" x 8" to fit leather tally books. Packs of 100



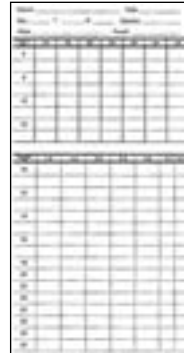
**One Species Tally Cards
Buff Card Stock**

5326 \$9.95 per pack



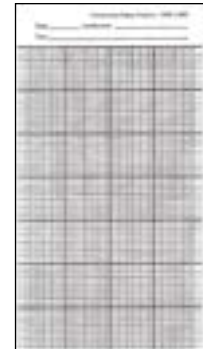
**Four Species Tally Cards
White Card Stock**

5369 \$9.95 per pack



**One Species Tally Cards
Buff Card Stock**

TC-3 \$9.95 per pack
FOR PULPWOOD/SAWTIMBER



GRID CARDS

- 4" x 8" Cards
 - Blue on white marked with 10 squares to the inch grid
- GC - 1 \$9.95 per pack

CONWAY CLEVELAND SUPER TALLY SHEETS

- These tally sheets are the industry standard
- The standard 4" x 8" size fits all tally books
- Made of heavy-duty 30# paper
- Proven durability even in rainy & windy conditions
- Non-reflecting buff color is easy on the eyes
- Pre-punched holes for storage in binders
- Available in Singles or Duplicate
- Duplicates provide excellent image transfer from original to second copy
- Pack of 250 cards



K-1 (Singles) \$21.25 pack
K-2 (Dups) \$29.95 pack



D-1 (Singles) \$21.25 pack
D-2 (Dups) \$29.95 pack



L-1 (Singles) \$21.25 pack
L-2 (Dups) \$29.95 pack



E-1 (Singles) \$21.25 pack
E-2 (Dups) \$29.95 pack

MULTI-PURPOSE TALLY CARD

Two-sided. Front of card has spaces for tallying pine, pulpwood and hardwoods. Back has grid card. 4-1/2" x 7", white card stock - pack of 100 cards.

TC-G \$9.95 per pack

PRISMACOLOR 9H TALLY PENCILS

Hexagon shape with turquoise finish and metal cap. Specially formulated leads are chemiseal bonded to highest grade straight-grained cedar.

02276 \$14.95 per pack of 12



TALLYING SUPPLIES

LEATHER TALLY BOOKS

Fits comfortably in the hand with a replaceable strap. Stiff back makes writing easy. Used in tallying lumber or cruising timber. Holds 4" x 8" tally sheets.



- 53625 4 Sheet\$44.95 each
- 53627 6 Sheet\$47.95 each
- 53628 10 Sheet\$53.95 each

SNAP-ON REPLACEMENT STRAPS

- 10004 Set of 2.....\$9.95 each

CONWAY CLEVELAND LEATHER TALLY BOOKS W/ADJUSTABLE VELCRO STRAP

- TALLY-134 4 Sheet\$49.95 each
 - TALLY-136 6 Sheet\$53.50 each
 - TALLY-138 8 Sheet\$59.50 each
 - TALLY-1310 10 Sheet\$61.50 each
 - TALLY-1312 12 Sheet\$66.50 each
- *Other sizes available*

RITE IN THE RAIN FIELD FLEX TALLY BOOK



This 3-1/2 in x 8 in book is designed in the traditional Tally Book size and page pattern format. It contains 140 pages (70 sheets). Each sheet is 32# Rite in the Rain paper



- 324.....\$7.75 each

WHAT'S NEW AT CSP?
www.cspforestry.com



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www.cspforestry.com

BASE MOUNT TALLY METER

Counts from 0 to 9,999. Positioned on a round metal plate with holes for mounting to a table or wall.

- TM200.....\$11.85 each



HAGLOF TALLYTAX DIGITAL TALLY COUNTER



The pocket sized, digital Tallytax with 6 different counters maintains thousands of registrations

in each separate counter. Rugged and simple to use for all cruising, inventory, production, planning, farming and gardening activities. Requires one 9V battery. Robust and solid for field use the year around. Keep the Tallytax in your pocket or hang it on a strap.

- TALLYTAX.....\$89.95 each



MULTIPLE TALLY COUNTER

Tally Counters linked together on a single metal base plate. Metal base is pre-drilled for mounting.

** OTHER SIZES AVAILABLE*

- KDT3M 3 Units.....\$46.95 each
- KDT5M 5 Units.....\$66.95 each



BASIC TALLY METER

Tally Meter features four digit capacity with quick return to zero. Compact, chrome plated brass case fits hand snugly and comfortably. Precision construction assures effortless trouble free use. This Tally Meter counts from 0 to 9,999 and has white figures on a black background (easy to see). The user can reset the Tally Meter very quickly using the knob on the right hand side.

- 8792-00.....\$11.75 each



DENOMINATOR MULTIPLE UNIT TALLY COUNTERS

Denominator Tally Counters offer four digit counting units that count from 0 to 9, 999. Numbers are black on a white background. Can be mounted to a working surface using the pre-drilled holes in the baseplate or with velcro tape (not included).

**Other Sizes Available*

- MT-4 4 Counting Units.....\$158.75 each
- MT-5 5 Counting Units.....\$188.50 each



SCALE STICKS/RULES

TREE AND LOG SCALE STICK

Made of hardwood with figures stamped in and varnished. Measures tree diameter, height, board foot volume of standing tree and board foot volume of logs.



62D	Doyle Scale.....	\$14.25 each
62I	International Scale	\$14.25 each
62S	Scribner Scale	\$14.25 each

BILTMORE STICK

Made of maple with a brass ferrule on each end. Black gradations on natural colored wood. Plastic coated. Used to determine number of logs in a tree, diameter, and board footage. English scale.



55S	1-4.....	\$60.95 each
	5+.....	\$58.25 each

PLOT CENTER STICK

- The Economy Plot Center Stick is an all-purpose solid fiberglass plot center stick measuring 48" L x 1/2" diameter. Steel point. Soft, golf club style grip. Can also be used as a walking stick.
- The Deluxe Plot Center Stick features a sharpened point, soft rubber grip, and solid aluminum shaft. Hi-vis orange, it's easily seen and can mark your plot center when timber cruising or conducting inventory work. Engraved Biltmore stick markings help measure tree diameters from 10" to 40" and log heights from one to five logs. In addition, the stick features an integrated 1/4" x 20 thread in the top of the handle. The included stud allows for easy adaptation when using the stick with instruments such as the Haglöf® DME Cruiser or Impulse® Laser Rangefinder. Can also be used as a hiking staff.



10000-48	Economy	\$24.95 each
10000-DELUXE	Deluxe.....	\$59.95 each

LUFKIN FOLDING LOG RULE-DOYLE SCALE

Doyle scale rule used by scalers and cruisers to determine footage of saw logs. Folding end hook with brass fittings. Black graduations on white, 5/8" x 48".



0524	1-5.....	\$16.50 each
	6-11.....	\$15.50 each
	12+.....	\$14.95 each

LUFKIN 4' FOLDING LOG RULE

This rule is ideal for checking diameters of hardwood saw and veneer logs. 4' length - measures in 16ths, 8ths and inches.



064S	1-5.....	\$13.95 each
	6-31.....	\$12.95 each
	32-63.....	\$11.95 each
	64+.....	\$11.25 each

CONWAY CLEVELAND LOG RULES

Log rules are used to determine the lumber content of felled logs. Fine hickory and walnut construction with stainless steel oval head. Sharp black figures protected by polyurethane.



FOR LOGS UP TO 36" IN DIAMETER

15D	Doyle.....	\$59.25 each
15S	Scribner.....	\$59.25 each
15DC	Scribner Decimal C.....	\$59.25 each
15I	International 1/4"	\$59.25 each

FOR LOGS UP TO 48" IN DIAMETER

14D	Doyle.....	\$60.25 each
14S	Scribner.....	\$60.25 each
14DC	Scribner Decimal C.....	\$60.25 each
14I	International 1/4"	\$60.25 each

LOGRITE LOG SCALE

A modern version of a classic log scale. An anodized blue finish highlights the laser etched numbers on the scale and allows pitch to be easily removed with solvents without damaging the printing.



LSD36H	Doyle Scale.....	\$55.95 each
LSI36H	International Scale	\$55.95 each

TABLES FOR ESTIMATING BOARD-FOOT VOLUME OF TIMBER

-by Clement Mesavage and James W. Girard

Pocket-sized book includes tables listing the gross volume in board feet by diameter classes and by number of 16" logs per tree. The tables in this book have been compiled for use in estimating the board-foot contents of eastern hardwoods and of southern hardwood and softwood timber. 94 pages. Paperback



59335	.....	\$8.25 each
6+	.....	\$7.25 each

LOG RULES AND OTHER USEFUL INFORMATION BOOKLET

Pocket-sized booklet contains: the three major log rules; log scaling information; conversion factors; tables for computing board feet; weights of various woods (by the cord, MBF, green and dry); weight conversion factors, and more. 28 Pages.



59984	\$6.75 each
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SCALE STICKS/RULES

CONWAY CLEVELAND LUMBER & BOARD RULES

Conway Cleveland Lumber Scaling Rules are used to measure the board foot content of saw lumber. These rules feature flexible, hand-crafted hickory shafts. Patented heads are one-piece, light-weight hardened stainless steel with pre-bent sharpened points for grabbing lumber. They will not rust and the points stay sharp a very long time. The figures are large, crisp, bold and black. Each rule has a 6" walnut handle, sized for comfort and rounded to fit the palm of your hand. Each rule is protected by two coats of polyurethane.



Two Scale Configurations Offered:

3-Line: Even numbers only

4-Line: Even and odd numbers

8', 10' 18' one side and 12', 14' 16' on the other side 9', 11', 13', 15' one side and 10', 12', 14', 16' on the other side

DESIGNED FOR RIGHT HAND USE

P/N	Line Configuration	Size	Head	Price
101	3-Line	7/8" x 36"	Straight	\$53.75
104	3-Line	3/4" x 36"	Straight	\$53.75
105	3-Line	1-1/8" x 36"	Straight	\$53.75
112	3-Line	1" x 24"	Straight	\$53.75
203N	4-Line	1" x 24"	Straight	\$53.75
200N	4-Line	1" x 36"	Straight	\$53.75

DESIGNED FOR AMBIDEXTROUS USE

P/N	LINE CONFIGURATION	SIZE	HEAD	PRICE
300NS	3-Line	1" x 24"	Go-No-Go (Thickness Gauge)	\$55.95
400NS	4-Line	1" x 24"	Go-No-Go (Thickness Gauge)	\$55.95
400NSR	4-Line	1" x 24"	Straight Head	\$55.95
300N	3-Line	1" x 36"	Go-No-Go (Thickness Gauge)	\$55.95
400N	4-Line	1" x 36"	Go-No-Go (Thickness Gauge)	\$55.95
400NR	4-Line	1" x 36"	Straight Head	\$55.95
300NL	3-Line	1" x 39"	Go-No-Go (Thickness Gauge)	\$57.95
400NL	4-Line	1" x 39"	Go-No-Go (Thickness Gauge)	\$57.95
400NLR	4-Line	1" x 39"	Straight Head	\$57.95
400NLX	4-Line	1" x 42"	Go-No-Go (Thickness Gauge)	\$57.95

THICKNESS GAUGE

Stainless steel finger gauge (Go, No-Go type) for measuring lumber thickness.



160..... \$19.95 each

TIMBER TOOLS SOFTWARE

Timber Tools is designed to meet the needs of people who want to measure timber for the purposes of buying, selling or valuation. This product offers user-friendly features and an innovative approach calculating timber volumes. Easy-to-use web page like interface that gets you information you can understand and use.



Installs like a stand-alone program in Windows 95, 98, NT or XP, but requires Microsoft Excel (version 97 or higher). The user-friendly interface makes data entry a snap. Choose from straightforward calculations of total volume by species or point sampling calculations of species volume per acre. Click on a region and then a species and you are ready to enter your field tally. Volumes are updated automatically in Doyle, Scribner, and International rules all at once. Special worksheets for spruce and fir timber give volumes in International and Maine rules.

Allows data entry in one inch DBH intervals for ten different form classes. Expanded on conventional tree heights (1, 1-1/2, 2, 2-1/2 etc.) to include volumes for new tree heights you won't find anywhere else - 1/2, 3/4, 1-1/4, & 1-3/4 logs.

34050..... \$49.95 each



ALUMINUM SNAPAK®

- Made from durable recycled aluminum
- Side opening features 3/8" storage compartment and clipboard
- High tension serrated clip holds up to 1/2" paper securely
- Hinged writing plate conceals documents and prevents write through on multi-part forms

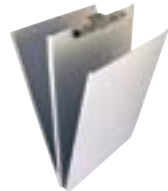
SN-5795	5-2/3" X 9-1/2"	1-5.....	\$18.75 each	6+.....	\$17.50 each
SN-8512	8-1/2" X 12"	1-5.....	\$27.95 each	6+.....	\$27.25 each
SN-8514	8-1/2" X 14"	1-5.....	\$31.95 each	6+.....	\$30.25 each



REDI-RITE®

- New convenient top open design!
- Made from durable recycled aluminum
- 1-1/2" storage with divider keeps items organized
- Self-locking latch keeps the compartment securely fastened
- High capacity clip holds up to 1" paper and includes a built-in license/card holder

RR-8512	8-1/2" X 12"	1-5.....	\$26.50 each	6+.....	\$24.85 each
RR-8514	8-1/2" X 14"	1-5.....	\$28.95 each	6+.....	\$27.25 each
With standard calculator attached to clipboard					
RR-8512-C	8-1/2" X 12"	1-5.....	\$39.25 each	6+.....	\$36.95 each



ALUMINUM A-HOLDER®

- Made from durable recycled aluminum
- Top opening for easy and convenient access to documents
- High tension clip with license/card holder and a self-locking latch keeps compartment securely fastened
- 3/8" storage capacity

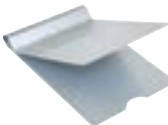
AH-5795	5-2/3" X 9-1/2"	1-5.....	\$17.95 each	6+.....	\$16.75 each
AH-8512	8-1/2" X 12"	1-5.....	\$26.95 each	6+.....	\$24.95 each
AH-8514	8-1/2" X 14"	1-5.....	\$30.95 each	6+.....	\$28.95 each



ALUMINUM CRUISER-MATE®

- Made from durable recycled aluminum
- Two storage compartments offer a total of 1-1/2" capacity
- Top opening, self-locking latch keeps the compartments securely fastened
- High capacity clip holds 1" paper securely and includes a built-in license/card holder

CM-8512	8-1/2" X 12"	1-5.....	\$29.75 each	6+.....	\$27.95 each
CM-8514	8-1/2" X 14"	1-5.....	\$32.75 each	6+.....	\$30.95 each



SPRINGBACK SHEET HOLDER

- Made from durable recycled aluminum
- Open cover rests at a 140 degree angle to restrict visibility of confidential documents
- Provides solid smooth writing surface
- Spring-clamp mechanism securely holds 3/8" of paper
- Accommodates vertical or horizontal forms
- Designed for right- or left- handed use

SP-5785	5-1/2" X 8-1/2"	1-5.....	\$27.25 each	6+.....	\$24.95 each
SP-8512	8-1/2" X 12"	1-5.....	\$29.95 each	6+.....	\$27.95 each

SAUNDERS CLIPBOARDS



CLIPBOARD WITH PRIVACY COVER

- Made from durable recycled aluminum
- Double-hinged cover opens 360-degrees
- Serrated clip holds up to 1/2" of paper
- Accommodates vertical or horizontal forms
- Designed for right- or left-handed use

SH-8512 8-1/2" X 12" 1-5.....\$18.50 each 6+.....\$17.25 each



HARDBOARD CLIPBOARD

- Board made from 100% recycled and/or recovered materials
- High capacity clip holds up to 1" paper securely
- Built-in hanging hole
- ATCM and CARB 93120 Phase I compliant for formaldehyde
- Environmentally Preferred Product Certified

05612 9" X 12-1/2" 1-5.....\$2.25 each 6+.....\$1.65 each



PLASTIC CLIPBOARD WITH LOW PROFILE CLIP

- Made from 96% recycled material
- Premium low profile wire clip holds up to 1/2" inch paper securely
- Easy to use inch and metric ruler edges
- Letter/A4 size paper size, up to 8.5 in. x 12 in.
- Proudly made in the USA by Americans who are blind

21595 8-1/2" X 12" 1-5.....\$4.25 each 6+.....\$4.00 each



MAGBOARD

- Clipboard with minimum 2x magnification offers versatile use in the field or at your desk
- Made from durable plastic styrene
- Premium low profile clip with grips holds up to 1/2 in of paper
- Letter/A4 size

SA-24200 1-5.....\$9.95 each 6+.....\$9.35 each



TUFF WRITER FOR IPAD

- Side opening design holds iPad 2/3 or iPad Air and other supplies
- Storage compartment features a durable foam nest that securely stores an iPad
- The high density foam is designed to hold its shape, without absorbing humidity or water
- Easy access to the On/Off button, and allows quick removal of tablet
- Low profile clip holds up to 1/2 in. of paper securely
- Fits paper size up to 8.5 in x 12 in, Overall size: 9.25 in W x 13.5 in L x 1.25 in
- Made in the USA using recycled aluminum

SA-45450 FOR IPAD 2/3 1-5.....\$40.95 each 6+.....\$36.95 each
 SA-45451 FOR IPAD AIR 1-5.....\$40.95 each 6+.....\$36.95 each



See our Surveying Section for our comprehensive selection of all-weather clipboards, field notebooks, paper, and other writing materials!

STENCILS & DIES

BRASS STENCILS

Adjustable and interlocking, Gothic-style characters for horizontal composition. Stencils adjust quickly for perfect character alignment, spacing and clean bold characters.

Young Bros.
Stamp Works Inc.
Since 1901



P/N	DESCRIPTION	PRICE
50158	1/2" Numbers Only – 15 Piece Set	\$10.25
75158	3/4" Numbers Only – 15 Piece Set	\$10.75
01158	1" Numbers Only – 15 Piece Set	\$11.95
15158	1-1/2" Numbers Only – 15 Piece Set	\$15.35
02158	2" Numbers Only – 15 Piece Set	\$19.05
25158	2-1/2" Numbers Only – 15 Piece Set	\$22.75
03158	3" Numbers Only – 15 Piece Set	\$30.50
04158	4" Numbers Only – 15 Piece Set	\$45.05
05158	5" Numbers Only – 15 Piece Set	\$57.35
06158	6" Numbers Only – 15 Piece Set	\$68.15
01338	1" Letters Only – 33 Piece Set	\$24.80
02338	2" Letters Only – 33 Piece Set	\$38.15
03338	3" Letters Only – 33 Piece Set	\$60.25
04338	4" Letters Only – 33 Piece Set	\$90.50
06458	6" Combination Letters & Numbers – 45 Piece Set	\$203.75



HAND STAMP STEEL DIES

Stamp your own tags. Comes in wooden box.

P/N	DESCRIPTION	PRICE
03091	1/8" Numbers Only 9 Piece Set, 0-9	\$17.55
03271	1/8" Letters Only 27 Piece Set, A-Z + Period	\$52.70
03361	1/8" Combination Letters & Numbers Set	\$64.85
06091	1/4" Numbers Only 9 Piece Set, 0-9	\$26.25
06271	1/4" Letters Only 27 Piece Set, A-Z + Period	\$78.60
06361	1/4" Combination Letters & Numbers Set	\$96.55



WHAT'S NEW AT CSP?

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EMBOSSER & TACKERS

DYMO® RHINO™ M1011 EMBOSSER

The Rhino™ M1011 embosses 1/2" stainless steel and aluminum labels - with or without adhesive - that resist corrosion due to extreme weather, temperature, chemical, and UV exposure. This tough, durable embosser features an easy-to-use label cutting handle (cuts rounded edges), hole and cable tie punches, a trailing edge measuring gauge and more. 1 Year Limited Warranty



- Uses 1/2" stainless steel and aluminum labels
- Built-in hole punch for creating hanging, screw-on or nail-on labels
- Built-in cable tie slot punch for cable marking
- Built-in measuring gauge - accurately set length of leading and trailing label edge
- Easy-to-use cutting handle makes cutting stainless steel labels effortless - cuts square or rounded edges
- Print mirror script labels with included reverse image character wheel
- Deep emboss ensures excellent character legibility
- Rugged cast aluminum frame withstands tough working conditions

Package includes: M1011 Label Embosser, Horizontal Character Wheel, Reverse Image Character Wheel, Roll 1/2" x 12' Non-Adhesive Aluminum Labels, Roll 1/2" x 16' Non-Adhesive Stainless Steel Labels, Hard Carry Case

P/N	DESCRIPTION	PRICE
1011-05	Dymo – Rhino M1011 Embosser Set	\$225.00
310-00	1/2" x 16' Aluminum Tape, Non-Adhesive	\$3.95
325-00	1/2" x 21' Stainless Steel Tape, Non-Adhesive	\$6.75
358-00	1/2" x 12' Aluminum Tape, Adhesive	\$7.25

BOSTITCH PC4000 - HEAVY DUTY POWERCROWN™ TACKER

- All steel construction
- Patented easy squeeze design
- Patented drive system cuts force needed while delivering full penetration and drive consistency
- Heat-treated drive components
- Ruled staple window allows operator to check staple leg length and verify if staples are in the tool
- Jam-free design holds 84 staples
- Uses fasteners from 1/4" to 9/16" range
- Weight - 1.97 lbs.



PC4000\$34.95 each

BOSTITCH PC2K - POWERSLAM™ POWERCROWN™ HAMMER TACKER

- Exclusive long reach knuckle saver handle with comfortable non-slip grip
- High-capacity quick-load magazine holds up to two full sticks of staples, minimizing reloading
- Die cast frame & hardened steel components for extreme durability
- Anti-Jam™ design for maximum productivity
- Holds 168 staples
- Uses fasteners from 1/4" to 3/8" range
- Weight - 2.2 lbs



PC2K.....\$89.95 each

STAPLES FOR BOSTITCH TACKERS

P/N	Description	Price
STCR5019-1/4	1/4" – 6000 Staples per Box	\$21.95
STCR5019-3/8	3/8" – 5000 Staples per Box	\$19.95
STCR5019-1/2	1/2" – 4032 Staples per Box	\$20.95
STCR5019-9/16	9/16" – 4032 Staples per Box	\$20.95

DREMEL® ENGRAVER

- Used to engrave aluminum tags and other materials
- Includes A/C power cord & one carbide point

DREMEL (Engraver).....\$26.95 each
DREMEL-P (Carbide point)\$6.25 each



ALUMINUM TAGS

UNNUMBERED ROUND ALUMINUM TAGS

- Constructed of .050" thick aluminum with 1/8" diameter hole
- Sold in boxes of 100



1-1/4" Diameter

TAG-7	1-4 Boxes.....	\$13.25 each
	5-9 Boxes.....	\$11.95 each
	10+ Boxes.....	\$10.95 each

1-1/2" Diameter

TAG-8	1-4 Boxes.....	\$17.75 each
	5-9 Boxes.....	\$16.25 each
	10+ Boxes.....	\$14.95 each

PERMATAGS®

- Tack-On: Attach w/nail, tack or staple
- Tie-On: Ties on object with 3/4" diameter max. Tie around object and feed back through the hole.



1" X 3-1/2" - TACK ON

TAG-2	1-4 Boxes	\$33.95 each
	5+ Boxes	\$29.25 each

1" X 3-1/2" - TIE ON

TAG-3	1-4 Boxes	\$26.95 each
	5+ Boxes	\$24.50 each

SCOT - TAGS

- Tagboard laminated between two layers of aluminum
- Can be embossed on both sides
- Sold in boxes of 100



3/4" X 3"

TAG-4	1-9 Boxes	\$33.95 each
	10+ Boxes	\$31.95 each

ALUMINUM TAGS WITH CARDBOARD BACKING

- Aluminum with sturdy cardboard backing allows you to write on cardboard with pen or pencil
- 9" copper wire pre-inserted
- Sold in boxes of 500



TAG-5	3/4" x 3-1/2"	\$59.00 each
TAG-6	1-1/2" x 3-1/2"	\$78.95 each

RACETRACK-SHAPED ALUMINUM TAGS

- Sold in boxes of 100
- .025 aluminum
- .187 diameter hole



2-3/4" X 1" - UNNUMBERED

TAG-9U	\$10.95 each
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2-3/4" X 1" - NUMBERED

TAG-9	(Specify numbers in increments of 100).....	\$13.00 each
TAG-91-1000	(Tags numbered 1-1000)	\$92.95 each

CORNER LOCATION TAGS

- 4" x 5"
- Made of aluminum
- Identifies corners of properties
- Mark location on embossed section guide
- Can be customized with 1 line of type (Max of 17 characters per line)



10010A	1-99	\$1.65 each
	100+	\$1.45 each
	200+	\$1.30 each
10010-1	Embossed with 1 line (Box of 100)	\$165.00 per box

**Initial embossing will incur a setup fee.*

ALUMINUM NAILS

Aluminum siding nails - plain shank style. Will not harm trees or saws. 2-1/4" long with .128 diameter shank and 3/8" diameter head. One pound box - approximately 333 nails.

2AKAET	1-9 Boxes (1 lb. box)	\$5.95 per box
	10+ Boxes (1 lb. box).....	\$5.20 per box
2AKAET-50	1-9 Boxes (5 lb. box)	\$215.50 per box

CUSTOM TAGS AVAILABLE!

CALL FOR DETAILS

ALUMINUM TAGS

DOUBLE-FACED ALUMINUM TAGS

- Constructed of aluminum wrapped around cardboard
- Can be written on with pen or pencil
- All sizes available without an eyelet by special order
- Sold in a box of 50
- Wire ties included, not inserted
- Eyelets



P/N	Size	Price 1-4	Price 5-9	Price 10+
TAG-1-50	7/8" X 3" - Box of 50	\$5.25	\$4.95	\$4.35
TAG-1	3/4" x 3" - Box of 1,000	\$94.50	\$86.95	-
1E33	3" x 3" - Box of 50	\$35.75	\$30.50	\$28.00
1E34	3" x 4" - Box of 50	\$35.75	\$32.50	\$29.50
1E35	3" x 5" - Box of 50	\$37.75	\$34.25	\$31.25

NUMBERED ROUND ALUMINUM TAGS

Part Number	Description	Numbered	Qty 1-2	Qty 3+
TAG-11A	1-1/4" Box of 100	1-100	\$13.25	\$11.95
TAG-11B	1-1/4" Box of 100	101-200	\$13.25	\$11.95
TAG-11C	1-1/4" Box of 100	201-300	\$13.25	\$11.95
TAG-11D	1-1/4" Box of 100	301-400	\$13.25	\$11.95
TAG-11E	1-1/4" Box of 100	401-500	\$13.25	\$11.95
TAG-11F	1-1/4" Box of 100	501-600	\$13.25	\$11.95
TAG-11G	1-1/4" Box of 100	601-700	\$13.25	\$11.95
TAG-11H	1-1/4" Box of 100	701-800	\$13.25	\$11.95
TAG-11I	1-1/4" Box of 100	801-900	\$13.25	\$11.95
TAG-11J	1-1/4" Box of 100	901-1000	\$13.25	\$11.95
TAG-11	1-1/4" Box of 1000	1-1000	\$111.95	-
TAG-11 1001-2000	1-1/4" Box of 1000	1001-2000	\$111.95	-
TAG-11 2001-3000	1-1/4" Box of 1000	2001-3000	\$111.95	-
TAG-11 3001-4000	1-1/4" Box of 1000	3001-4000	\$111.95	-
TAG-11 4001-5000	1-1/4" Box of 1000	4001-5000	\$111.95	-
TAG-11 5001-6000	1-1/4" Box of 1000	5001-6000	\$111.95	-
TAG-11 6001-7000	1-1/4" Box of 1000	6001-7000	\$111.95	-
TAG-11 7001-8000	1-1/4" Box of 1000	7001-8000	\$111.95	-
TAG-11 8001-9000	1-1/4" Box of 1000	8001-9000	\$111.95	-
TAG-11 9001-10000	1-1/4" Box of 1000	9001-10000	\$111.95	-
TAG-8A	1-1/2" X .050 Box of 1000	1-1000	\$111.95	-



**CUSTOM TAGS AVAILABLE!
CALL FOR DETAILS**



RATTLER'S® SNAKE CHAPS & GAITERS

Rattler's® Original Chaps & Gaiters are guaranteed snake proof against all North American poisonous snakes. However, caution must be exercised when the product is worn. Only covered areas are protected. Heavy leather boots are recommended for foot and ankle protection. The product must be worn over clothing.



RATTLER'S® ORIGINAL SNAKE CHAPS

Constructed of 1000 denier, basketweave cordura nylon, single-layer protection above the knee and double-layer protection below the knee. Water resistant polyurethane coating, adjustable side straps, heavy-duty, non-corrosive zipper and briar/thorn proof. Now you can hike through snake country without fear.

BROWN		REALTREE CAMO	
REGULAR SIZES - 25" THIGH, 20" CUFF		REGULAR SIZES - 25" THIGH, 20" CUFF	
5212	Reg/Short inseam (27" - 30") .....\$61.95 each	5212-C	Reg/Short inseam (27" - 30") .....\$65.95 each
5225	Reg/Reg inseam (30" - 33") .....\$61.95 each	5225-C	Reg/Reg inseam (30" - 33") .....\$65.95 each
5229	Reg/Long inseam (33" - 36").....\$61.95 each	5229-C	Reg/Long inseam (33" - 36").....\$65.95 each
HUSKY SIZES - 28" THIGH, 23" CUFF		HUSKY SIZES - 28" THIGH, 23" CUFF	
5246	Husky/Short inseam (27" - 30") .....\$61.95 each	5246-C	Husky/Short inseam (27" - 30") .....\$65.95 each
5276	Husky/Reg inseam (30" - 33").....\$61.95 each	5276-C	Husky/Reg inseam (30" - 33").....\$65.95 each
5287	Husky/Long inseam (33" - 36").....\$61.95 each	5287-C	Husky/Long inseam (33" - 36").....\$65.95 each

RATTLER'S® SCALETECH™ CHAPS

ScaleTech™ is a revolutionary, patented technology that blends modern materials with ancient concepts. Rattlers® Brand ScaleTech™ chaps and gaiters feature overlapped inserts that create layers..... eliminating the gap and giving you complete snake protection. ScaleTech™ chaps offer snake protection from knee to ankle with briar and bug protection above knee to hip. Constructed of water repellent nylon, adjustable straps with quick buckles for a secure fit and easy adjustments. Note: Only areas directly covered by inserts offer snake protection.



GREEN		REALTREE APG	
REGULAR SIZES - 25" THIGH, 20" CUFF		REGULAR SIZES - 25" THIGH, 20" CUFF	
9120-ODRS	Reg/Short inseam (27" - 30") .....\$35.95 each	9120-APGRS	Reg/Short inseam (27" - 30") .....\$39.95 each
9120-ODRR	Reg/Reg inseam (30" - 33") .....\$35.95 each	9120-APGRR	Reg/Reg inseam (30" - 33") .....\$39.95 each
9120-ODRL	Reg/Long inseam (33" - 36").....\$35.95 each	9120-APGRL	Reg/Long inseam (33" - 36").....\$39.95 each
HUSKY SIZES - 28" THIGH, 23" CUFF		HUSKY SIZES - 28" THIGH, 23" CUFF	
9120-ODHS	Husky/Short inseam (27" - 30") .....\$35.95 each	9120-APGHS	Husky/Short inseam (27" - 30") .....\$39.95 each
9120-ODHR	Husky/Reg inseam (30" - 33").....\$35.95 each	9120-APGHR	Husky/Reg inseam (30" - 33").....\$39.95 each
9120-ODHL	Husky/Long inseam (33" - 36") .....\$35.95 each	9120-APGHL	Husky/Long inseam (33" - 36") .....\$39.95 each

RATTLER'S® ORIGINAL GAITERS

Constructed of 1000 denier, basketweave cordura nylon, triple-layer knee to ankle protection. Water resistant polyurethane coating, hook and loop closures along with snaps and adjustable web straps, and briar/thorn proof.

205R Regular Brown - 18" calf\$53.95 each
 205R-C Regular Camo - 18" calf\$55.95 each
 205H Husky Brown - 21" calf\$53.95 each
 205H-C Husky Camo - 21" calf.....\$55.95 each

"SAFETY IS OUR MIDDLE NAME"

RATTLER'S® SCALETECH™ GAITERS

- Patented ScaleTech technology overlaps the layers & eliminates the gap between pads
 - Water repellent fabric
 - Briar & brush protection
 - Adjustable straps
 - One size fits most – up to 21" calf
- 9020-GRN Regular Green\$35.95 each
 9020-RAH Regular Realtree APG\$38.95 each



ANKLE GAITERS

- Realtree Max 5
 - 5mm neoprene construction
 - Velcro® closure
- 702\$4.95 each



SNAKE CHAPS & GAITERS

FANG BUSTERZ™ SNAKE GAITERZ

Fang Busterz™ Snake Gaiters offer snake bite protection from the ankle up to below the knee. Fang Busterz™ are made of 1000 Denier Cordura Nylon and are ultra-lightweight and cool. Available in several colors and either large or extra-large (see below for sizing specifics). Made in the USA (Tulsa, OK). SOLID colors of the Fang Busterz Snake Gaiters are fire retardant/flame resistant to California standards and are tagged as follows: "This Crackshot Corporation Product meets the California technical Bulletin #117, Section E, CS-191-53 Flame Retardant"

- Large Fang Busterz™ Snake Gaiters fit individuals 50-120 lbs and a 9" - 14" calf circumference.
- XLarge Fang Busterz™ Snake Gaiters fit individuals 120-180 lbs and a 14" - 18" calf circumference.

Part Number	Size	Color	Price
R-5502	Large	Blaze Orange	\$45.89
R-5504	X-Large	Blaze Orange	\$45.89
R-5542	Large	Cocoa Brown	\$45.89
R-5544	X-Large	Cocoa Brown	\$45.89
R-5562	Large	Hunter Green	\$45.89
R-5564	X-Large	Hunter Green	\$45.89
R-5572	Large	Khaki Tan	\$45.89
R-5574	X-Large	Khaki Tan	\$45.89



NOTE: Crackshot Fang Busterz do NOT offer metatarsal protection

SNAKE GUARDZ™ SNAKE GAITERS

CrackShot Snake Guardz™ snake gaiters are the original ultralight weight snake gaiter, with metatarsal protection. Featuring a unique design which allows air circulation between the leg of the wearer and the Snake Guardz™. Blaze Orange Snake Guardz™ are Polyester with DWR water repellent coatings. Khaki Tan, Conceal™ Camo and Olive Green Snake Guardz are 1000 Denier Nylon. Shading of colors may vary.

SIZE CHART

Small	4-7 Year Old	6" to 9"	Price
Medium	50 lb to 110 lb	9" to 14"	\$82.49
Large	100 lb to 200 lb	14" to 18"	\$82.49
X-Large	180 lb to 200 lb	18" to 23"	\$82.49
XX-Large	250 lb to 350 lb	23" to 30"	\$87.49
XXX-Large	350 lb to 500 lb	30" to 36"	\$87.49



Part Number	Size	Color	Part Number	Size	Color
R-1904	X-Large	Blaze Orange	R-2044	X-Large	Cocoa Brown
R-1906	XX-Large	Blaze Orange	R-2046	XX-Large	Cocoa Brown
R-1907	XXX-Large	Blaze Orange	R-2047	XXX-Large	Cocoa Brown
R-1938	Small	Olive Green	R-2048	Small	Khaki Tan
R-1940	Medium	Olive Green	R-2050	Medium	Khaki Tan
R-1942	Large	Olive Green	R-2052	Large	Khaki Tan
R-1944	X-Large	Olive Green	R-2054	X-Large	Khaki Tan
R-1946	XX-Large	Olive Green	R-2056	XX-Large	Khaki Tan
R-1947	XXX-Large	Olive Green	R-2057	XXX-Large	Khaki Tan
R-2038	Small	Cocoa Brown	R-2098	Small	Conceal™ Camo
R-2040	Medium	Cocoa Brown	R-2100	Medium	Conceal™ Camo
R-2042	Large	Cocoa Brown	R-2102	Large	Conceal™ Camo



YOUTH CHAPZ AVAILABLE - CALL FOR DETAILS

SNAKE LEGGINGS & BRUSH CHAPS

RANGER CANVAS SNAKE LEGGINGS

Tested for safety at the Ross Allen Reptile Institute, these heavy, closely woven bronze mesh covered leggings are made from tough, water-repellent canvas with adjustable heavy webbing straps and non-slip buckles. Thick weave also protects against brush, briars and vines. Olive drab color. One size fits all.



2800D 1-3.....\$76.95 each
4+.....\$72.25 each

RANGER PLASTIC SNAKE LEGGINGS

Offering safe, lightweight and comfortable protection against snakes, briars and vines, these leggings are easily taken on and off and will deflect any attempted snake bite. Olive drab color. One size fits all.



2810D 1-3.....\$42.95 each
4+.....\$40.95 each

SNAKE BITE KIT

These items come in a waterproof 4" x 2-3/4 x 1-1/4" plastic box:



- 1 Certi Suction Pump
- 1 Reversible Large or Small Adapter
- 1 Ammonia Tablet
- 2 PVP Iodine Swabs
- 2 Adhesive Bandages (1" x 3")
- 1 Antiseptic Towelette
- 1 Tourniquet
- 1 Lancet
- 2 Insect Sting Swabs

790XPB 1-4\$15.25 each
5+.....\$13.00 each

BRUSH BUSTER CHAPS

Protect your legs and clothing against briar or brush with these comfortable, lightweight, water-repellent chaps constructed of quality Cordura® nylon, double-stitched at hems to prevent frayed hems. Adjustable web belt strap has three snaps. One size fits all. Light gray. 33-1/2" length.



BRUSHBUSTERCHAPS Gray\$33.95 each
BRUSHBUSTER-ORANGE Orange\$33.95 each



FILSON DOUBLE & SINGLE OIL FINISH TIN CHAPS

Provides excellent protection from rain, mud, snow and briars. These durable chaps feature felled seams, heavy-duty snaps and bartacking and will stand up to the toughest conditions. Adjustable side straps provide a no-twist snug fit.

Single-tin chaps have a single layer of fabric and do not have a side zipper. Double-tin chaps have a double layer of fabric at the bottom with a 14" brass zippered pleat that slips over boots. A snap storm flap covers the zipper; twill binding prevents fraying at hem.

Regular length chaps fit an inseam of 29-31". Long length chaps fit an inseam of 32-34". Husky sizes are 2" larger in the thighs. 100% Cotton tan-colored duck with an oil finish for water repellency.



SINGLE TIN CHAPS



DOUBLE TIN CHAPS

SINGLE TIN CHAPS

22R-F Regular.....\$80.00 each
22L-F Regular Long\$80.00 each
22HR-F Husky Regular\$85.00 each
22HL-F Husky Long.....\$85.00 each

DOUBLE TIN CHAPS

28R Regular.....\$145.00 each
28L Regular Long\$145.00 each
28H-R Husky Regular\$150.00 each
28H-L Husky Long.....\$150.00 each



SNAKE PANTS, CHAPS & GAITERS

MOST HUNTING GARMENTS MADE TO STOP SNAKES ARE HEAVY, STIFF, AND BULKY. USING A MERE 6 OZ. FABRIC, TURTLESKIN SNAKEARMOR IS ONE-THIRD THE WEIGHT OF OTHER SNAKE PROTECTION HUNTING GEAR, YET HAS BEEN TESTED TO REPEL THE BITES OF EVEN LARGE RATTLESNAKES.

- Certified results
- Waterproof snake protection for hunters
- Cool comfort while hunting
- Reversible design offers camo/khaki
- Flexible & soft material for quiet moving
- Constructed of patented materials

TURTLESKIN SNAKE ARMOR -SNAKE GAITERS

TurtleSkin SnakeArmor's reversible snake protection gaiters are designed so that you can wear either the natural camo pattern or reverse it to the lighter khaki side. Constructed from a blend of high-strength ballistic fibers and polyester in a super-tight weave, SnakeArmor gaiters are also windproof, waterproof, and flexible. Simply close up the back and cinch the elastic top for a snug fit.



Regular: 20" Top of Calf, 17" Ankle, 16" Length
Husky: 23" Top of Calf, 20" Ankle, 16" Length

SGK-REV (Regular) \$149.30 each
 SGK-REVH (Husky) \$165.10 each

TURTLESKIN SNAKE ARMOR BELOW-THE-KNEE CHAPS

TurtleSkin SnakeArmor Below the Knee Snake Chaps are made with a soft outer shell, and their lightweight protective TurtleSkin system protects from snake bites from the ankle to the knee. Less than a third the weight of other snake chaps, these flexible chaps are the lightest and softest snake chaps on the market. The outer shell is water resistant and breathable, to keep you dry and comfortable while hunting. Khaki.



TURTLE-CHAP-SZ \$185.97 each

**Specify size when ordering. Available in Regular or Husky & Short, Regular, or Tall*

Venomous snakes found in the United States include rattlesnakes, copperheads, cottonmouths/water moccasins, and coral snakes. They can be dangerous to outdoor workers including farmers, foresters, landscapers, groundskeepers, gardeners, painters, roofers, pavers, construction workers, laborers, mechanics, and any other workers who spend time outside.

Although rare, some workers with a severe allergy to snake venom may be at risk of death if bitten. It has been estimated that 7,000–8,000 people per year receive venomous bites in the United States, and about 5 of those people die. The number of deaths would be much higher if people did not seek medical care. It is important for employers to train their workers about their risk of exposure to venomous snakes, how they can prevent and protect themselves from snake bites, and what they should do if they are bitten.

TURTLESKIN SNAKE ARMOR -HUNTING PANTS

TurtleSkin SnakeArmor's patented technology produces the tightest weave ever achieved with high-strength fibers. Never has a softer pair of snake gear pants been designed. These pants feature a soft and comfortable 100% cotton shell with a TurtleSkin system built into the entire bottom from the knee down. Cool, flexible, and breathable, these khaki hunting pants are built to last. Available in waist sizes from 32"–42". Lengths: Short (30"), Regular (32"), Tall (34")



SNAKEPANT-SZ-S (Short) \$236.16 each
 SNAKEPANT-SZ-R (Regular) \$236.16 each
 SNAKEPANT-SZ-L (Long) \$236.16 each

TURTLESKIN SNAKE ARMOR TOTAL PROTECTION CHAPS

TurtleSkin SnakeArmor Total Protection Snake Chaps provide snake and thorn protection from your ankle up to your thigh. These chaps are constructed from a patented super-tight weave of high-strength ballistic fibers and polyester. These flexible chaps are the lightest and softest snake chaps on the market. Khaki.



TOTALCHAP-SZ \$268.24 each

**Specify size when ordering. Available in Regular or Husky & Short, Regular, or Tall*

TIPS TO PREVENT SNAKEBITES:

- Bites occur most often in between March and October when snakes are most active.
- Snakes can strike across a distance equal to about half their body length. If you see a snake, head back the way you came.
- Familiarize yourself with snakes who are common in your area. In the event of a bite, identifying the type of snake may help with treatment.
- Always keep your personal safety in mind and do not try to catch or kill a snake yourself.
- Even if you think a snake is dead, never handle it. Some dead snakes are capable of inflicting a bite by muscle contractions.

FORESTRY BOOKS

TABLES FOR ESTIMATING BOARD-FOOT VOLUME OF TIMBER -by Mesavage and Girard, U.S. Forest Service



This pocket-sized book includes tables listing the gross volume in board feet by diameter classes and by number of 16" logs per tree. • 4" x 5", 94 pages

59335\$7.95 each

FORESTRY HANDBOOK - 2ND EDITION

A complete hardback library in one book for foresters! Contains valuable information on many subjects such as forest ecology, insect and disease management, fire management, timber measurements and inventory, silvi culture, logging, forest road engineering, land surveying, aerial photography, and much more.



06227-8\$399.95 each

FARMING THE SMALL FOREST: A GUIDE FOR THE LANDOWNER -by Laurence C. Walker

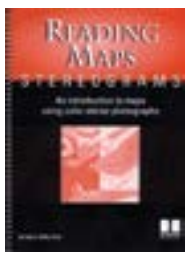
Written especially to help landowners manage their woodlands profitably while preserving the natural resources of their land.



• 8-1/2" x 11", softcover, 192 pages 100995\$14.95 each

READING MAPS -by Paul A. Riffle, PhD.

An introduction to maps using color stereo photographs. This book is designed to help you learn to read maps by comparing time with stereoscopic aerial color photographs.



440\$17.95 each

AERIAL STEREO PHOTOGRAPHS -by Harold L. Wanless, Dept. of Geology, Univ. of Illinois

Contains 92 aerial photographs for the three-dimensional study of cultural features, landforms, rock structure, vegetation, soil types, and conservation. Shows elevations, depressions, and contours of natural terrain. • 8-1/2" x 11", spiral-bound, 92 pages



581\$18.50 each

WILDLIFE BOOKS

THE WILD TURKEY - BIOLOGY & MANAGEMENT -Edited by James G. Dickson

The Wild Turkey chronicles the history, biology and management of this noble bird in all its diverse habitats. It is designed to help the turkey enthusiast -biologist or sportsman- better understand and enjoy America's great game bird by presenting a readable, standard reference on all aspects of the wild turkey.



The 24 chapters synthesize current knowledge into 4 broad sections: background and history, biology, habitat and management, and value and future. It features nearly 450 photographs. More than 1200 references will prove valuable to anyone wishing to pursue particular points of interest. Hardback, 463 pages

0-8117-1859-X\$84.95 each

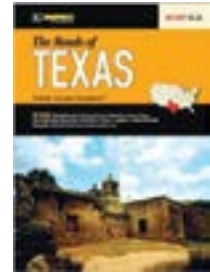
CSP WISH LIST section with a large diamond-shaped logo for Construction Safety Products, Inc. and a list of horizontal lines for notes.

ATLASES, PLAT BOOKS & WALL MAPS

THE ROADS OF TEXAS - ATLAS SERIES

Explore at last the road not taken. A convenient one-volume set of detailed maps covering the state's entire road system - from interstates to county roads. Based on county maps from state highway departments and other sources, this atlas contains the most up-to-date and accurate mapping information for the state. In addition to roads, the maps show state and national parks and other recreational areas, river and lake access, mountain peak elevations, military bases, as well as railroad lines and bridges. Rural area maps contain churches, cemeteries, historic sites, and other landmarks, as well as small communities not usually found on most maps. A section in the atlas lists roadside attractions, annual events, and other information to enhance the pleasure of traveling in each state. Color illustrations by regional artists depict some of the region's indigenous flora and fauna.

* This atlas features topographic contour lines



TX TEXAS\$24.95 each

PLAT BOOKS

Our Plat Books include the following:

- Key Map of each Parish
- Map Legend
- Parish Township Road & Land Ownership Maps (by Township and Range)
- Alphabetical Index of Landowners in each Parish
- Land Descriptions (on the inside back cover of the Plat Book)

OL-BIENVILLE	Bienville Parish	\$69.95 each
OL-BOSSIER	Bossier Parish	\$64.95 each
OL-CADDO	Caddo Parish	\$64.95 each
OL-CLAIBORNE	Claiborne Parish	\$64.95 each
OL-DESOTO	Desoto Parish	\$64.95 each
OL-RED RIVER	Red River Parish	\$64.95 each
OL-UNION	Union Parish	\$64.95 each

INTERESTED IN ADVERTISING IN OUR PARISH PLAT BOOKS? GIVE US A CALL!!!



OTHER PARISHES COMING SOON!

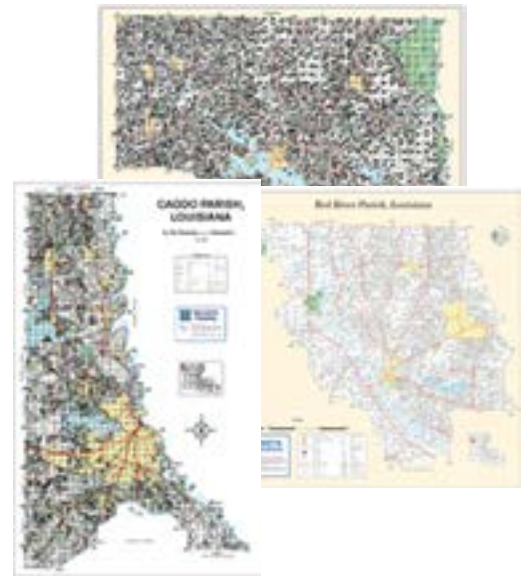
**PLAT BOOKS ALSO AVAILABLE AS DIGITAL EBOOKS.
CALL FOR DETAILS**

WALL MAPS

Our Wall Maps include the following:

- Land Owners of 5 Acres or more
- Park and Wildlife Areas
- City Limits
- County Lines
- Section Lines and Numbers
- State, Highway and County Roads
- Swamps, Drainage Ditches, Reservoirs, Ponds, Lakes, Rivers and Streams
- Levees
- Oil and Gas Fields
- Churches, Railroads, Cemeteries
- Survey Lines

WM-BIENVILLE	Bienville Parish	\$69.95 each
WM-BOSSIER	Bossier Parish	\$64.95 each
WM-CADDO	Caddo Parish	\$64.95 each
WM-CLAIBORNE	Claiborne Parish	\$64.95 each
WM-DESOTO	Desoto Parish	\$64.95 each
WM-RED RIVER	Red River Parish	\$64.95 each
WM-UNION	Union Parish	\$64.95 each



WE CAN PROVIDE QUAD MAPS! CALL FOR DETAILS

MAP & PHOTO SUPPLIES

TOPOCOVER™

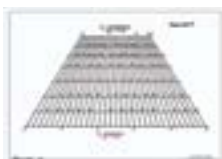
The TopoCover™ allows you to use and protect USGS standard full-size 1:24,000-scale Topographic Quadrangle Maps in the field. TopoCover™ holds the map securely in its transparent corner pockets, and then folds closed to just 5.5 x 7 inches. USGS legend describing topographic maps and symbols comes printed on a folding card designed to fit securely within any one of the four pockets inside the TopoCover™. A transparent business card pocket on the front allows you to easily identify and organize several TopoCovers™.



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Complete coverage of Louisiana

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We stock U.S. Geological Survey 7.5 minute Quadrangle maps for most of Louisiana and portions of Texas, Arkansas and Mississippi. Available for any state by Special Order.

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Especially useful for smooth surfaces. Water soluble and light-fast. Excellent for use on aerial photos.

108-0	WHITE	
108-1	YELLOW	
108-2	RED	
108-3	BLUE	
108-5	GREEN	
108-7	BROWN 1-49	.....\$1.90 each
108-9	BLACK 50+	.....\$1.75 each



DIXON CHINA MARKERS

Perfect for marking on glass, plastic, film, paper, metal, rubber or any smooth surface. Paper wrapped with pull string. Pull to expose the core as needed. One of the most versatile marking tools available. Phano China Marker cores have been formulated using brilliant colors to make vivid impressions on all types of smooth surfaces. The marks are water-resistant and colorfast, but still removable from non-porous surfaces.

00071	Crimson Red	
00073	Yellow	
00074	Green	
00077	Black	
00079	Red	
00080	Blue	
00081	Black (Thin Lead)	1-11 .....\$ .60 each
00092	White	12+ .....\$ .55 each
00095	Brown (High Heat)	



DELORME

DELORME ATLAS & GAZETTEER
MAPPING AMERICA'S BACK ROADS, ONE STATE AT A TIME™

• LARGE SCALE • FULL COLOR • UNBEATABLE DETAIL

This Atlas & Gazetteer Series now covers all 50 states, from Alaska to Florida, with the most comprehensive detail available. Shows each state in its entirety, with big, bold, full-color maps in handy book form. In addition, our Gazetteer series are loaded with ideas for places to go and things to do, from family outings to wilderness treks. The Atlas & Gazetteer - it's the ultimate trip planner and take-along guide, for outdoors enthusiasts or anyone who wants to leave the main roads behind. (11" x 15-1/2")

- Railroads, airfields, power lines
- Backroads, dirt roads, and trails
- Hunting lands & fishing waters
- Hidden lakes & streams
- Campgrounds & campsites
- Forests & swamps
- Public lands
- Boat ramps
- And much more!

Most States - \$18.95 each (Texas, California, and Florida - \$23.95 each)

200-5	ALABAMA	217-X	LOUISIANA	232-3	NORTH DAKOTA
201-3	ALASKA	282-X	MAINE	281-1	OHIO
325-7	ARIZONA	279-X	MARYLAND/DELAWARE	234-X	OKLAHOMA
203-X	ARKANSAS	220-X	MASSACHUSETTS	235-8	OREGON
285-4	CALIFORNIA	335-4	MICHIGAN	269-2	PENNSYLVANIA
288-9	COLORADO	333-8	MINNESOTA	238-2	SOUTH CAROLINA
207-2	CONNECTICUT/RHODE ISLAND	223-4	MISSISSIPPI	239-0	SOUTH DAKOTA
318-4A	FLORIDA	224-2	MISSOURI	240-4	TENNESSEE
210-2	GEORGIA	339-7	MONTANA	260-9	TEXAS
208-0	HAWAII	256-0	NEBRASKA	255-2	UTAH
212-9	IDAHO	228-5	NEVADA	322-2	VERMONT
213-7	ILLINOIS	242-0	NEW HAMPSHIRE	326-5	VIRGINIA
211-0	INDIANA	324-9	NEW JERSEY	245-5	WASHINGTON
214-5	IOWA	229-3	NEW MEXICO	246-3	WEST VIRGINIA
215-3	KANSAS	230-7	NEW YORK	331-1	WISCONSIN
216-1	KENTUCKY	231-5	NORTH CAROLINA	338-9	WYOMING
				246-3	WEST VIRGINIA

*MOST OF THESE ATLASSES FEATURE TOPOGRAPHIC MAPS (ELEVATION CONTOURS DEFINE THE LAY OF THE LAND)

MAPPING SOFTWARE

TERRAIN NAVIGATOR PRO SOFTWARE

Terrain Navigator Pro (TNP) is powerful and easy to use desktop and mobile mapping software that contains high resolution scans of USGS topographic maps as well as current aerial photographs overlaid with a current street layer. These maps and photos can be customized with labels, marks, symbols, lines, routes, tracks, area fills, GIS data sets, and notes. Once you have finished designing your custom maps, use the built-in printing and publishing to create digital and paper prints with text, logos, inset maps, legends, etc. Layers, maps, and photos can be exported to be used in other GIS and CAD software or image editor.



- Seamless cloud sync between mobile devices and desktop
- Updated 1 meter Color Aerial Photos (see coverage map at www.terrainnavigator.com)
- Choose from an expanding library of current and historical aerial photo and topo map additions
- Scans of the official USGS topo maps to produce the highest quality maps available
- Three scales for the continental US: 1:24/25,000 (7.5 minute series), 1:100,000 scale and 1:250,000 scale. Alaska is 1:63,360 and 1:250,000 scale
- MyTopo's Internet servers store aerial photo coverage for the entire lower 48 United States. 1-meter (1:12,000 scale) photos are available everywhere
- Customize your maps and aerial photos with labels, marks, symbols, lines, routes, tracks, area fills, and notes
- Create information in TNP and use it in GIS and CAD applications that use ESRI Shapefiles, ArcView GEN, GPX or KML data
- Export maps and photos to any graphic/image editor (including Photoshop)
- Built in Desktop Publishing with page blocks. Create custom map pages with text, logos, inset maps, legends, etc.
- Available for all 50 states – please specify when ordering.

TNP-STATE\$399.00 each

TERRAIN NAVIGATOR PARCEL DATA OVERLAY

Terrain Navigator Pro now contains the option to show parcel boundaries on the desktop as part of a yearly parcel data subscription. Once downloaded to the desktop, parcels can be searched and shown on the desktop without an Internet connection.

The yearly parcel data subscription includes private land ownership details such as:

- Private land boundaries polygons
- The landowner's name and address*
- Assessor's parcel number (APN)

TNP-PD-STATE..... \$99.00 per year



WHAT'S NEW AT CSP?

www.cspforestry.com



DELORME® INREACH EXPLORER

- Includes digital compass, barometric altimeter and accelerometer
- Includes an odometer and displays useful trip statistics while in the field, such as trip time, max speed, moving average, trip distance
- 100 hours of battery life in 10-minute tracking mode with a clear view to the sky. Extended tracking mode can extend battery life even more for long-haul trips.
- Color screen and virtual keyboard with predictive text for standalone two-way messaging
- GPS accuracy to +/- 5 meters
- Water rating: IP67 (withstands incidental water exposure; tested for submersion at one meter for 30 minutes).
- Rugged, dustproof and impact-resistant (Mil-STD-810G for shock; IP67 for dust).
- Impact-resistant (Mil-STD-810G for shock)
- Internal lithium polymer battery (2,450 mAh capacity at 3.7 V)
- SOS messages are received by GEOS, a worldwide emergency response coordination center with 24/7/365 staffing
- Weight: 6.7 ounces
- Email, SOS and tracking functions work anywhere in the world; SMS availability may vary by country.
- 100% global coverage via the Iridium satellite network, which is the world's furthest-reaching satellite communications network.
- Maintains a satellite signal lock even in difficult GPS environments and embeds precise location coordinates in sent messages.
- Pairs via Bluetooth with Apple iOS, Android, or Kindle Fire with bluetooth (smartphones and tablets)
- A contract-free (minimum 30-day commitment) or annual satellite subscription plan is required for use; plans start at \$11.95 per month. See plan details at www.delorme.com)



AG-008727-201.....\$379.95 each

DELORME® INREACH SE

inReach SE (Screen Edition) is the satellite communicator from DeLorme that puts amazing functionality in the palm of your hand without having to pair the device:

- Send and receive free-form, 160-character text messages outside of cell phone range.
- Trigger an SOS and interact back and forth with GEOS, our 24/7 search and rescue monitoring center.
- Turn on tracking to share and view GPS coordinates.
- Color screen and virtual keyboard with predictive text.
- Intuitive LED indicator for satellite availability.
- Audible message notifications.
- Internal, rechargeable lithium battery lasts about 100 hours at continuous operation at 10-minute tracking intervals with a clear view to the sky. Extended tracking mode can extend battery life even more for long-haul trips.
- Designed for maximum durability in harsh environments (waterproof, dustproof, and impact-resistant).
- Post to social media.



AG-009871-201.....\$299.95 each

Both inReach models can be used in conjunction with DeLorme's Earthmate app on a mobile device and our Explore web portal. When paired with your mobile device, the capabilities of either inReach product is enhanced. Previously downloaded map data is only accessible during paired mode. Pairing inReach allows you to use your mobile device to send messages from the Earthmate app.

DELORME® EARTHMATE MOBILE FOR OUTDOOR

AS-008796-201 \$28.95 each

Winner of these prestigious awards and many more!



Occupational Health & Safety 2013 New Product of the Year Award



National Geographic Gear of the Year Award

TIMBER CRUISING SUPPLIES

WEDGE PRISMS

SQUARE PRISMS

Accurate to ± 1% of rated BAF. For general cruising in areas having less than a 15% slope. 40mm x 40mm. Leather case.



- 10CS 10 BAF - Clear \$39.95 each
- 10AS 10 BAF - Amber \$53.95 each
- 20CS 20 BAF - Clear \$39.95 each

RECTANGULAR PRISMS

Accurate to ± 1% of rated BAF. Gives a narrow-sharp image for good results in dense timber. 20mm x 40mm. Leather case.



- 10CR 10 BAF - Clear \$27.95 each
- 10AR 10 BAF - Amber \$43.25 each
- 20CR 20 BAF - Clear \$27.95 each
- 20AR 20 BAF - Amber \$43.25 each

CRUISE MASTER PRISMS

P/N	BAF	COLOR	SHAPE
10AR-CM	10	Amber	Rectangular
10AS-CM	10	Amber	Custom-Square
10CR-CM	10	Clear	Rectangular
10CS-CM	10	Clear	Square
15AR-CM	15	Amber	Rectangular
15AS-CM	15	Amber	Custom-Square
15CR-CM	15	Clear	Rectangular
15CS-CM	15	Clear	Custom-Square
20AR-CM	20	Amber	Rectangular
20AS-CM	20	Amber	Custom-Square
20CR-CM	20	Clear	Rectangular
20CS-CM	20	Clear	Custom-Square
30AR-CM	30	Amber	Rectangular
30AS-CM	30	Amber	Custom-Square
30CR-CM	30	Clear	Rectangular
30CS-CM	30	Clear	Custom-Square
40AR-CM	40	Amber	Rectangular
40AS-CM	40	Amber	Custom-Square
40CR-CM	40	Clear	Rectangular
40CS-CM	40	Clear	Custom-Square

- Clear Prisms \$52.95 each
- Amber Prisms \$78.95 each



PANAMA ANGLE GAUGE

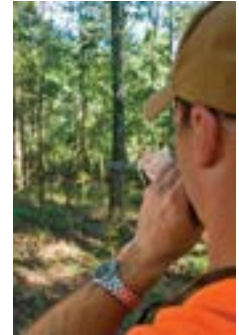
Used to measure the basal area of a forest stand using BAF 10. Made of a hollow piece of plastic tubing, 8-1/4" long with an eyepiece on one end. To use, point the eyepiece directly at the sampling point. Looking through the eyepiece, count each tree that appears under at breast height than the vertical portion of the cross-shaped opening.



- 08100 \$36.25 each

CRUISER'S CRUTCH

Provides correct readings on 0 to 90% slopes for English BAF's: 10, 20, 30 or 40, or for Metric BAF's 2, 3, 4, 5, or 6. Clear, tough Lexan with 26" nickel-plated chain has four brass balls, one for each BAF.



To use, determine slope to the nearest five percent. Hold the brass ball for the selected BAF under your eye and extend the Crutch away until chain is taut. Line up tree with appropriate slope percent line on the gauge. If the tree at dbh is wider than the line on the angle gauge being sighted across, tally the tree. Available in English or metric models.



- CCE Cruiser's Crutch - English \$33.95 each
- CCM Cruiser's Crutch - Metric \$33.95 each

SPHERICAL CROWN DENSIMETER

Used to estimate forest canopy coverage. Measure forest overstory density from unobstructed sighting positions. Uses a spherical-shaped reflector mirror engraved with a cross-shaped grid of 24 quarter inch squares which delineates a plot overhead. Housed in a 3" x 3" x 1" walnut case. Also has a leveling bubble for accurate positioning. Available in Concave or Convex models. The readings from the convex densiometer represent a larger sample size than those from the concave model. Instructions included.



- D-MODEL A (Convex) \$99.50 each
- D-MODEL C (Concave) \$99.50 each

CRUZ ALL

Used to measure the basal area of a forest stand using 5, 10, 20 or 40 English BAF. Includes an aluminum die cut gauge and a 25" bead chain with a button at the end.



- CRUZ-ALL 1-9 \$11.95 each
- 10+ \$10.95 each

CLINOMETERS

SUUNTO PM-5 CLINOMETERS

The world-famous Suunto clinometer is a hand held instrument used for making precise measurements of vertical angles. Features include:

- Jeweled bearing assembly scale card surrounded by dampening liquid
- Parallax-free lens, sturdy aluminum housing, metal ring for lanyard and Skylon case
- 3 base scales: percent and degree, percent topographic and degree and topographic.



PM5/66PC	Percent/Topographic Scales	.....	\$143.95 each
PM5/360PC	Percent/Degree Scales	.....	\$143.95 each
PM5/SPC	Percent/Secant Scales	.....	\$143.95 each
PM5/1520	Metric with 15m and 20m Scales	.....	\$143.95 each

SUUNTO CLINOMETER CASES & COVERS

Protective Rubber Cover

K1335 \$14.85 each

Leather Cover (fits all except items with rubber covers)

KB1900..... \$10.25 each

Cordura Case for all clinometers

MC-P..... \$10.95 each



TANGENT HEIGHT GAUGE

Mirror-sighting student "clinometers". Four simple steps help the user to quickly determine a tree's height. Made of sturdy green plastic.



THG	1-5.....	\$19.50 each
	6+	\$16.95 each

BRUNTON® OMNI-SLOPE SIGHTING CLINOMETER

The ultimate forestry instrument, the Omni-Slope inclinometer measures angles in degrees, percent grade and the 66 foot forestry chain. The lightweight aluminum housing lends years of field reliability, and the precision pendulum gives fast and accurate readings.

- Illuminated Readout: Light piping gives a clear bright readout even in low light
- Precision Pendulum: Fast, accurate, smooth, dead-on. 180 degree range.
- All-In-One Scales: Degrees, percent grade, forestry chain, 1 degree resolution

F-OMNISLOPE.....\$139.99 each



HAGLÖF HCC CLINOMETER & COMPASS

An inclinometer and a compass. Measures horizontal and vertical angles. Features azimuth compass 0-360° graduated in 1° increments, and accuracy to 2.5°. Clinometer measures -55° to +85°, graduated in 0.1° increments with accuracy to 0.2°. Built-in magnetic declination and easy calibration. Measures in degrees. Single button operation



15-102-1013	1-2.....	\$233.95 each
	3+.....	\$224.95 each

HAGLÖF HCH COMPASS WITH HEIGHT FUNCTION

Small, accurate, fast, easy to use and giving measuring results of inclination and heights measured from any optional distance and placing in relation to the object's position in the field. Includes a built-in azimuth compass 0-360° graduated in 1° increments, and accuracy to 2.5°. Single button operation.



P/N	Type	Qty. 1-2	Qty. 3+
15-1012-1014-FD	Feet/Degrees	\$259.95	\$254.95
15-102-1014-FP	Feet/Percent	\$259.95	\$254.95
15-1012-1014-MD	Meter/Degrees	\$259.95	\$254.95
15-1012-1014-MP	Meter/Percent	\$259.95	\$254.95

THE HAGLÖF EC II CLINOMETER

Easy to use electronic clinometer offering accurate measuring results on inclination and heights of objects. Allows you to measure angle/inclination and tree heights from any optional distance. Electronic presentation serves you with accurate results without calibration or maintenance. Includes a lanyard and user instructions.



P/N	TYPE	PRICE
EC2-FD	Feet/Degrees	\$195.75
EC2-FP	Feet/Percent	\$195.75
EC2-MD	Meter/Degrees	\$195.75
EC2-MP	Meter/Percent	\$195.75



THE HAGLÖF C I SLOPE MEASURER

An easy-to-use and accurate field instrument to measure slopes and vertical angles. The C I uses one AA battery that is removed by sliding open the battery lid. The battery consumption is low and a battery often lasts for several months. The C I is factory set with results in degrees or percentage. Single button operation.



P/N	TYPE	Qty. 1-2	Qty. 1-2
15-102-1012-D	Degrees	\$133.95	\$124.95
15-102-1012-P	Percent	\$133.95	\$124.95

SILVA® COMPASSES



SILVA® RANGER® MODEL CL & CLQ

The Silva® Ranger® CL and CLQ compasses deliver superior accuracy, even in the most demanding conditions. Split-sighting mirror for superior accuracy when navigating on distant landmarks. Three scales for quick, easy plotting with any topographic map.



Silicone feet provide positive grip on a map. The geared declination allows you to set and forget the declination for the area you are in, ensuring constant compensation for this variable when taking bearings. The declination scale sets easily from the bottom of the compass. A clinometer lets you measure angles of inclination.

Features include:

- 0° - 360° dial
- 2° graduations
- Sighting mirror, etched sighting line
- Vee-sight in lid
- 1/20 inch and millimeter rules
- 1:24,000 map scale
- 1:25,000 & 1:50,000 romer scales
- Clinometer
- Map magnifier
- Luminous points for night use
- Geared declination adjustment
- Silicone feet
- Lanyard with adjustable slider and screwdriver
- CLQ Model: Quadrant dial N(0°); E(90°); S(0°); W(90°)



2800515	15CL – Azimuth	
1-4.....		\$38.95 each
5+.....		\$35.95 each
2800517	15CL – Hi-Viz Bezel	
1-4.....		\$38.95 each
5+.....		\$35.95 each
2800516	15CLQ – Quadrant	
1-4.....		\$38.95 each
5+.....		\$35.95 each

SILVA® TREKKER® MODEL 420



Perfect for backpacking, angling, camping and hiking, the Silva® Trekker® 420 has a sighting mirror for quick accurate bearings and a clear baseplate for map work. Rotating capsule with sure-grip dial, red orienting arrow and declination scale.

Features include:

- 2° graduations
- 4 position positive-stop lid with V-sight
- Sighting mirror
- Declination scale
- Inch and millimeter rules
- Lanyard

2801085	1-9.....	\$24.95 each
	10+	\$23.25 each

SILVA® GUIDE® FLOATING COMPASS

Unsinkable! The Silva® Floating Compass® 426 is a compact sighting compass that's great for any outdoor activity. The lightweight polypropylene baseplate floats, a great feature for any water or near-water adventure! The compact size slips easily in a shirt pocket, readily available for all excursions. Model 426



Features include:

- 2° graduations
- Full-size sighting mirror with V-sight
- Inch and millimeter scales
- Declination scale
- Lanyard

2801149	Graphite	
1-9.....		\$16.95 each
10+.....		\$15.95 each

2801351	Orange	
1-9.....		\$16.95 each
10+.....		\$15.95 each

SILVA® FORECASTER® 610 KEY RING COMPASS

The Forecaster® combines an accurate compass and thermometer in a handy size. Works as a key chain or zipper pull. Fixed dial with 5° graduations. Wind chill table on back.

- Liquid-filled capsule
- Non-magnetic brass ring
- Alcohol based thermometer reads °F & °C



2801260	Black	\$8.95 each
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COMPASS CASES



SILVA® UNIVERSAL NYLON COMPASS CASE

Padded nylon case with hook & loop closure, plus belt and pack shoulder strap loops. Fits any compass.

2803030	Padded Nylon Case.....	\$8.75 each
15LC	Leather Case	\$13.25 each

LEATHER COMPASS CASE

Fits mirror sighting compasses: Silva and Suunto. Snap closure with belt loop on back.

SILVA® POLARIS® - MODEL 177

Large numerals at every 20° mark and a clear base plate with inch and millimeter markings and a 1:24,000 scale make it easy to read a map, set bearings and plan a trip with the Silva® Polaris® 177.



- 2° dial graduations
- Declination scale for quick adjustments of map bearings to field headings
- Inch & millimeter rulers
- 1:24,000 map scale

2801100	1-9	\$14.95 each
	10+	\$13.95 each
2801103	Hi-Viz Bezel	
	1-9	\$14.95 each
	10+	\$13.95 each

SILVA® STARTER® – MODEL 1-2-3

An ideal choice when introducing map & compass skills or the world of orienteering. The Silva Starter's base plate is sized for children's or adult's smaller hands. The clear baseplate makes map reading and course plotting easy.



- 2° dial graduations
- Inch and millimeter scales for measuring distances
- Lanyard hole

2801290	1-9	\$12.50 each
	10+	\$11.65 each
2801291	Hi-Viz Bezel	
	1-9	\$12.50 each
	10+	\$11.65 each

SILVA® SPORTSMAN'S TOOL - MODEL 625L

Four tools in one - compass, thermometer, magnifying glass and loud safety whistle. Compact, lightweight design even floats!



- 11.25° graduations
- Liquid-filled compass card
- Cardinal & intercardinal points
- Luminous cardinal points & North arrow
- Thermometer reads °F & °C, alcohol based for safety
- 125+ Decibel safety whistle
- Lanyard

2801185	\$9.95 each
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SILVA® EXPLORER™ – MODEL 203

The Silva® Explorer™ was designed for those who want to get off the beaten path. Contoured base plate comfortably fits the hand. Extended base plate has an inch ruler and 1/10 mile scales for USGS 1:24,000 and 1:62,500 maps - ensuring accurate mapping and plotting.



- 2° dial graduations
- Built-in magnifier for map details
- Declination scale
- 1/10 mile scales for USGS 1:24,000 and 1:62,500 maps
- Inch ruler
- Lanyard

2801030	1-9	\$17.95 each
	10+	\$15.75 each

SILVA® WRIST BAND COMPASS

Check bearings at a glance. This simple model slides onto watch bands up to 11/16" (18mm) wide, providing guidance whenever you need it. Note: Best fit on watch bands 1/16" thick or less.



- 11.25° dial graduations
- Liquid-filled capsule
- Luminous N, S, E, W
- Cardinal and intercardinal markings

2801047	\$7.95 each
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SILVA® FISHEYE® – PIN-ON COMPASS

The Fisheye® compass makes it easy to check direction at a glance. Locking brass safety pin securely attaches the compass to clothing for hands-free navigation. Type 28 – With Safety Pin.



- 15° graduations
- Liquid dampening
- Luminous North arrow and cardinal points
- Intercardinal markings
- Positive locking brass pin

2801222	1-9	\$5.95 each
	10+	\$5.25 each

SILVA® COMPANION® – MODEL 609

Check bearings at a glance. Easy-to-read, "go-anywhere" compass can be used as a zipper pull, pendant or key chain. Fixed dial with 5° graduations. Note: Keys other than brass may interfere with the compass needle.



- 5° graduations
- Liquid-filled capsule
- Non-magnetic brass ring

2801200	1-9	\$7.95 each
	10+	\$7.25 each

SILVA® EXPLORER™ PRO HI-VIZ

The Explorer™ Pro is the ultimate baseplate model for topographic map use. The improved design utilizes the Ranger bezel with the high-visibility/high-contrast coloration. Easier dial rotation and better grip are inherent in the increased knurling on this bezel. New luminous paint is 4X more intense and doesn't degrade over time. Comfortable fit in your hand is insured by the ergonomic baseplate.



- 2° Dial graduations
- High visibility color with high contrast cardinal markings
- Built-in magnifier for map details
- Gear driven adjustment for declination adjustment
- Clinometer for measuring angles of slope
- 1/10 mile scales for USGS 1:24,000 and 1:62,500 maps
- Luminous points for night use
- Inch ruler
- Lanyard

2801336	1-9	\$24.95 each
	10+	\$23.50 each



SUUNTO COMPASSES

SUUNTO® KB-14 COMPASS

The KB-14 hand-bearing compass is an excellent tool for professionals with high demands on accuracy and usability when taking direction.

- Accuracy 1/3°
- Graduation interval 0.5°
- Anodized light-alloy housing
- Optical adjustment
- Damping liquid
- Jeweled bearing
- Declination correction (in D-versions)
- Nylon pouch with belt-loop
- Lanyard



KB-14-RA	KB-14/360RG, Azimuth	\$116.95 each
KB-14-Q	KB-14/360QG, Quadrant	\$116.95 each
KB-14D	KB-14/360RDG, Azimuth w/Declination	\$146.95 each
KB-14QD	KB-14/360QDG, Quadrant w/Declination	\$146.95 each
K1335	Protective Rubber Case	\$14.85 each

SUUNTO® KB-20 COMPASS

The advanced navigation compass. When venturing out into new territory, these sighting compasses offer precision navigation with a variety of carefully engineered and dependable features for challenging conditions.

- Sighting tools for accurate direction taking
- Rugged construction
- Accuracy 0.5°
- Graduation interval 1°
- Scale: Azimuth 360°, Reversed 360°
- Adjustable diopter
- Sapphire bearing
- Liquid filled capsule for stable operation
- Plastic housing
- Floating
- Lanyard
- 2-year warranty
- Made in Finland



KB-20-Y	Yellow	\$67.95 each
4+	Yellow	\$63.25 each
K1335	Protective Rubber Case	\$14.85 each

SUUNTO® NAVIGATOR MC-2G MIRROR COMPASS

- 2° accuracy and resolution
- Fast globally balanced needle with jewel bearing
- 20 degrees tilt margin for easier readings
- Adjustable declination correction
- Liquid filled capsule for stable operation
- Mirror for sighting bearings and signaling
- Sighting hole and notch for accurate bearings
- Clinometer
- Luminescent markings for working in low light
- Metric UTM scales and inch ruler
- Baseplate with magnifying lens
- Detachable snap-lock lanyard with wristlock. Easy to detach for working with the map
- Suunto® limited lifetime warranty
- Made in Finland



MC-2GIN	Azimuth w/USGS Forestry Scales	\$62.95 each
	5+	\$58.50 each
MC-2G/360/G/D/L	Azimuth w/Metric Scales	\$62.95 each
	5+	\$58.50 each

SUUNTO® NAVIGATOR MC-2D NH USGS MIRROR COMPASS

- 2.5° Compass Accuracy
- 2° Resolution
- High grade steel needle with jewel bearing
- Balanced for northern hemisphere
- Adjustable declination correction
- Liquid filled capsule for stable operation
- Mirror for sighting bearings and signaling
- Sighting hole and notch for accurate bearings
- Clinometer
- Luminescent markings for working in low light
- USGS UTM scales
- Baseplate with magnifying lens
- Detachable snap-lock lanyard with wristlock. Easy to detach for working with the map
- Suunto® limited lifetime warranty
- Made in Finland



MC-2DL	Azimuth w/Luminous Bezel	\$38.95 each
	5+	\$35.50 each
MC-2D-IN	Azimuth	\$41.50 each
MC-2D-IN-Q	Quadrant	\$41.50 each

SUUNTO® CHALLENGER COMPASS

Small mirrored compass. Azimuth with declination scale that allows you to determine the declination between magnetic North and true North. Liquid filled capsule, protractor base with the following scales: 1:62,500, inches, 8ths, 16ths, cm, mm. 3-1/8" x 2-1/4".



MCL	1-9	\$34.50 each
	10+	\$32.50 each

SUUNTO® M-3 LEADER COMPASS

- High grade steel needle with jewel bearing
- Balanced for northern hemisphere
- Adjustable declination correction
- Liquid filled capsule for stable operation
- Luminescent markings for working in low light
- Metric and Imperial scales
- Baseplate with magnifying lens
- Detachable snap-lock lanyard with wristlock. Easy to detach for working with the map
- Suunto® limited lifetime warranty
- Made in Finland



M-3DL	Northern Hemisphere	\$29.95 each
M-3G	Global Needle	\$52.50 each

SHOP ONLINE
WWW.CSPFORESTRY.COM

SUUNTO® PARTNER II COMPASS

Azimuth compass with liquid filled capsule and a declination correction scale. Scales are in cm, inches and 1:24,000. Rounded baseplate with tapered map edge. Locking lanyard included. 2-1/4" x 3-1/2".



A10 1-9.....\$13.95 each
10+\$12.95 each

SUUNTO® WOODSMAN II A30L

The Woodsman II A30L is graduated in 2" units from 0 to 360° (Azimuth). Base scales are in inches, cm, and 1:24,000. Standard features include a liquid-filled capsule, declination correction scale, luminous points, and a magnifier base. Rounded baseplate. The Woodsman II compass features a luminous bezel with black print. Comes complete with a lanyard.



A30L 1-9.....\$18.95 each
10+\$17.95 each

SUUNTO® CORE WATCH

Essential outdoor functions in a light plastic case, all black elastomer strap.

- Altimeter with altitude log memory and altitude difference measurement
- Barometer with storm alarm and weather trend indicator
- Automatic Alti / Baro switch
- Compass with semi automatic calibration and a digital bearing
- Depth meter
- Multiple watch, date and alarm functions with dual time and countdown timer
- Sunrise/Sunset times for over 400 locations worldwide
- Digital thermometer
- Menu based user interface in English, German, French and Spanish
- Accessory straps
- User-replaceable battery



SS014279010..... \$299.00 each

SUNNTO® NYLON CASE

The Nylon Pouch is ideal for carrying your Suunto® precision instrument or compass. The pouch is made of black fabric that is resistant to tears or scuffs. The pouch has a velcro enclosure and a belt loop.



SS018267000..... \$12.75 each

SUUNTO® MCB COMPASS

The Suunto® MCB is a floating, ergonomic multi-purpose mirror compass that combines precision with practicality.

- Mirror for sighting bearings and signaling
- Compact
- Sighting hole and notch for accurate bearings
- High grade steel needle with jewel bearing
- Balanced for northern hemisphere
- Fixed declination correction scale
- Liquid filled capsule for stable operation
- Floating
- Detachable snap-lock lanyard with whistle
- Suunto® limited lifetime warranty
- Made in Finland



SS012277013..... \$23.95 each
10+\$21.95 each

SUUNTO® M-9 WRIST COMPASS

The hands – free sighting compass.

Suunto® attachable compasses are particularly handy, when both hands are needed to get past the next challenge.

- Operable in low light with luminescent card
- Rugged construction
- Balanced for northern hemisphere
- Wrist compass
- Jewel bearing
- Luminescent compass card
- Side-reading window for taking bearings
- Ratchet mechanism to set desired direction
- Velcro strap included
- Suunto® limited lifetime warranty
- Made in Finland



SS004403001..... \$30.95 each

SUUNTO® TANDEM COMPASS/CLINOMETER

Suunto Tandem is a liquid-filled precision compass and clinometer in one compact alloy housing. The Suunto Tandem features the same quality capsules as in the regular PMs and KBs (see PM-5 Clinometer and KB-14 Compass for details).

- High accuracy - precise readings in seconds
- Durable aluminum housing - protects against impact, corrosion and water
- Edges at 90° angles for contact measuring
- Individually calibrated
- Optical adjustment for reading
- Lanyard
- Nylon pouch with belt-loop



TANDEM360PC/360R	w/o Declination	\$197.95
TANDEM360PC/360R/D	w/Declination	\$204.95
37012	Protective Rubber Cover	\$12.75

BRUNTON COMPASSES



TRUARC™ 3 BASEPLATE COMPASS

The classic scouting compass with modern updates, the TruArc™ 3 base plate compass is equipped with the TruArc™ Global Needle system in the characteristic form outdoorsmen have trusted for generations. Metric and standard scales, tool-less declination compensation, plus no-frills reliability make this a must for everyone's outdoor pack. 2 degree resolution; Inch/CM scales



F-TRUARC3\$12.99 each

TRUARC™ 5 BASEPLATE COMPASS

The ideal mapping compass, TruArc™ 5 base plate models have additional map grid lines for quick orientation and a magnifier for easy reading. TruArc™ Global Needle system means you don't have to buy a new compass when you make that trek to South America or Australia, and tool-less declination adjustment will keep you on course anywhere in the world. 2 degree resolution; Map magnifier; Inch/CM scales



F-TRUARC5\$19.99 each

TRUARC™ 7 MIRROR COMPASS

TruArc™ 7 mirrored compasses feature an inclinometer for measuring apparent tree heights and can be used as a sighting tool for even more accurate headings. TruArc™ Global Needle system and tool-less declination compensation ensures worldwide compatibility. Ever-north Magnet; 2 degree resolution; Sighting mirror; Clinometer; Inch/CM Scales



F-TRUARC7\$29.99 each

TRUARC™ 10 BASEPLATE COMPASS

For use when critical navigation data is needed in an instant. TruArc™ 10 base plate compasses feature quick reference cardinal points, high visibility clings for low light performance, and a double-gage ergonomic base plate for extra durability. Plus the global balance lets you take a reading without breaking stride. TruArc™ Global Needle; Ever-North Magnet; Reversible slide scale; GPS confidence circles; Roamer Scales; Magnified Readout; 1° Resolution.



F-TRUARC10\$39.99 each

TRUARC™ 15 MIRROR COMPASS

Drawing upon the Brunton® classic 15TDCL, the all new TruArc™ 15 is upgraded with a full coverage mirror cover for extra protection, and the TruArc™ Global Needle system with Ever-North™ rare earth magnets. The high-visibility cling lends low-light and night time performance, and the triple clinometers system gives fast and accurate reference information for avalanche safety or earth-science field work. Ever-North Magnet; Map Magnifier; Sighting Mirror; Bubble Level; Clinometer; Magnified Readout; 1° Resolution



F-TRUARC15 \$49.99 each

TRUARC™ 20 MIRROR COMPASS

Further upgrades to a trusted classic, the TruArc™ 20 is the modified grandchild of the original 8099. Now featuring the Brunton® TruArc™ global needle system that will not lose polarity and resists magnetic interference better than any competitor. Classic innovations like the triple clinometer system, tool-less declination adjustment, and the protective cover and foot make this a timeless backcountry companion. Ever-North Magnet; Map Magnifier; Sighting Mirror; Bubble Level; Clinometer; Magnified Readout; 1° Resolution; Scale Cards



F-TRUARC20 \$59.99 each

MICRO™ MINI BASEPLATE COMPASS

The super-small Micro base plate keyring compass provides cardinal points and a millimeter scale in virtually no space.



- Cardinal points
- mm scale
- Keyring
- Overall dimensions: 3.8" x 2.9" x 0.5"
- Weight: 1.5 oz

F-28NL \$11.99 each

LENSATIC™ MILITARY-STYLE COMPASS

The 9077 is a classic military-style sighting compass. Heavy-duty construction and a long straight side make for easy use with a map. Liquid dampened with luminous points and a hinge that works with your thumb to steady your sighting, and holds the lid tightly closed.



- 2° graduations
- Metal body
- Lensatic sighting
- Straight edge for use with map
- Liquid dampened
- Luminous points
- Painted metal body
- Overall dimensions: 3"x 2.2" x 1.2"
- Weight 3 oz

F-9077 \$9.99 each

OMNI-SIGHT™ SIGHTING COMPASS

With both forward and reciprocal bearings, plus 90° quadrants and 6400 point MILS, the Omni-Sight™ spot-through compass offers the convenience of multiple precision instruments in one hand-held unit. Steadfast aluminum housing ensures ruggedness and reliability, and the internal rare-earth magnet guarantees accuracy and resists magnetic interference.



- Illuminated Readout: Light piping gives a clear bright readout even in lowlight
- Rare Earth Magnet: Resists magnetic interference and will not lose polarity.
- All-In-One Scales: 360 Degree azimuth, reciprocal bearing, quadrants, MILS.
- Overall Dimensions - 2.5" X 3.5" X 0.5"
- Weight- 11.8 Oz
- 1 Degree Resolution
- MADE IN THE USA.

- F-OMNISIGHT Includes all scales..... \$139.99 each
- F-OMNISIGHT-ME Includes all scales, Equatorial Zones \$139.99 each
- F-OMNISIGHT-MS Includes all scales, Southern Zones..... \$139.99 each

NOMAD™ G3 PRO DIGITAL COMPASS

Easy to calibrate, forward bearing digital compass provides accurate headings at the push of a button, plus exercise pacers, timers, and temperature gauges keep you up to speed on your performance and environment. With daily alarms and a backlit display, the latest generation of the proven Nomad series makes sure you stay on course in deep woods or after the sun goes down.



- Backlit digital display
- Declination adjustable
- Forward bearing compass reads degrees and cardinal directions
- Altimeter with 1ft/ meter resolution
- Barometric pressure in Hg or mB
- 1° resolution
- Temperature display in Celsius or Fahrenheit
- Time and date display
- Daily alarms
- 1 CR2032 battery included
- Wrist/neck lanyard
- 3.5"x 2.25" x 0.75"
- 2.3 oz

- F-NOMADG3-PRO \$89.99 each

GENTLEMAN'S POCKET COMPASS

The vintage, collectible gentlemen's compass that pays tribute to more than a century of innovation. Modeled after an original D.W. Brunton design, the 1894 has a swivel-style lid with mirror, classic cardinal direction points, and a lift arm that stops needle movement to extend the life of this historic tool.



- Classic turn-of-the-century design
- Lift arm needle protector
- Swivel-style lid with mirror
- Engraveable
- Overall dimensions: 2" x 2.40" x 6"
- Weight: 2.2 oz
- Body: Milled aluminum
- Made in the USA

- F-1894DWB..... \$186.99 each

LEATHER CASE

Protective cases are a necessity when you're in the field. These sturdy sheaths will keep your instruments clean, protected and functioning flawlessly.



- Genuine leather with metal snap
- Fits Omni-Sight and Clinomaster

- F-3015..... \$21.95 each

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THE LATEST FORESTRY
PRODUCTS**



NOTES:

BRUNTON® GEO POCKET TRANSIT

The newest and most advanced Transit, incorporating suggestions and ideas from professionals that make this the ultimate tool for their use. The solid aluminum, waterproof Geo Transit contains a fast, magnetic north seeking, rare-earth magnet, balanced on a sapphire jewel bearing for quick measurements. The most noticeable feature is the hinge inclinometer, accurate to +/- 2°. This feature allows simultaneous trend and plunge measurements, reducing the number of measurements required in the field. An innovative needle design can be locked or unlocked.



- Adjustable needle locking mechanism
- Hinge clinometer with 1° increments for 1/2° readable dip measurements
- Two long-level bubbles on the outside of the aluminum housing for no guess leveling from the sides or the bottom
- Cover hinge assembly designed for increased durability
- Buck Horn style sights for increased accuracy when sighting azimuth or vertical angles
- Single NdFeB magnet resists demagnetization better than any other type of magnet
- Azimuth accuracy +/- 1/2° with 1° graduations
- Vertical angle accuracy +/- 1/2° with 1° graduations and 10 minute vernier
- Vertical angle measurements to +/- 90° or 100% grade
- Percent grade scale with increments of 5%
- Induction dampened needle for quick, accurate readings
- Sapphire jewel bearing allows for smooth needle movement
- Magnetic declination adjustment allows for east or west declination settings to +/- 180°
- Precision aligned mirror with convenient see-through sighting capability
- Aluminum billet body assembly makes the GEO nearly indestructible
- 6061-T6 hard anodized aluminum body for permanent color and scratch resistance
- Ball & socket tripod mount is centered for increased accuracy of rotation
- O-rings make the GEO Waterproof for increased reliability
- Leather case included
- Overall dimensions: 3.8" x 2.8" x 1.3"
- Weight: 12.8 oz
- Waterproof
- Made in the USA

5010GEO	0-360°	\$599.99 each
5009GEOQ	4 x 90°, Quads	\$599.99 each

NOTES:

BRUNTON® CONVENTIONAL POCKET TRANSIT

Utilizing a more traditional design, the Conventional uses Alnico II magnets and a "V" cut sapphire jewel bearing for smooth movement. Conventional suspension offers premium performance when used with a balancing region. Because the body is die cast aluminum, the Conventional is both accurate and durable.



- Alnico II magnets for quick magnetic north needle alignment
- Vertical angle measurements to +/-90° or 100% grade
- A percent grade scale with increments of 5%
- Induction dampened needle for quick, accurate readings
- Sapphire jewel bearing allows for smooth needle movement
- Magnetic declination adjustment allows for east or west declination settings to +/-180°
- Short and long sights for increased accuracy when sighting azimuth or vertical angles
- Precision aligned mirror with convenient "see-through" sighting capability
- Cast aluminum body makes the Conventional Pocket Transit nearly indestructible
- Ball & socket tripod mount for increased accuracy
- Leather case included
- Overall dimensions: 3.1"x2.8"x1.3"
- Weight: 6.8 oz.
- Made in the USA

2061	0-360°	\$399.00 each
2001	4 x 90°, Quads	\$399.00 each

BRUNTON® INTERNATIONAL POCKET TRANSIT

The design for the International Pocket Transit effectively reduces needle dip when professionals travel to different hemispheres. (Call us for the special balancing required for absolute precision in distant areas.) Powerful Alnico v magnets are mounted to a polished, cupped sapphire jewel bearing, allowing for smooth needle movement.



- Alnico V magnets for quick magnetic north needle alignment
- Needle has a lower center of gravity allowing for use in a wide range of countries
- Vertical angle measurements to +/-90° or 100% grade
- A percent grade scale with increments of 5%
- Induction dampened needle for quick, accurate readings
- Sapphire jewel bearing allows for smooth needle movement
- Magnetic declination adjustment allows for east or west declination settings to 180°
- Short and long sights for increased accuracy when sighting azimuth or vertical angles
- Precision aligned mirror with convenient "see-through" sighting capability
- Cast aluminum body makes the Internal Pocket Transit nearly indestructible
- Ball & Socket tripod mount for increase accuracy
- Sealed with silicon for waterproofing and increased reliability
- Leather case included
- Overall dimensions: 3.1" x 2.8" x 1.3"
- Weight: 6.8 oz
- Made in the USA

5006LM	0-360°	\$429.99 each
5005LM	4 X 90°, Quads	\$429.99 each

POCKET TRANSITS & ACCESSORIES



BRUNTON COM-PRO POCKET TRANSIT

With a body made of composite materials, this Transit is a lighter, more affordable alternative. It incorporates a cast NdFeB rare-earth magnet, precisely balanced on a sapphire bearing, resulting in a powerful magnet, which quickly seeks magnetic north and permits faster readings.



- Single NdFeB magnet resists demagnetization better than other types of magnets for increased reliability
- Vertical angle measurements to +/- 90° or 100% grades
- A percent grade scale with increments of 5%
- Induction dampened needle for quick, accurate readings
- Sapphire jewel bearing allows for smooth needle movement
- Magnetic declination adjustments allows for east or west declination settings to +/- 180°
- Short and long sights for increased accuracy when sighting azimuth or vertical angles
- Precision aligned mirror with convenient "see-through" sighting capability
- Composite body material has less thermal retention
- Ball & socket tripod mount for increased accuracy
- O-rings make the ComPro waterproof for increased reliability
- Leather case included
- Overall dimensions: 3.2" x 2.8" x 1.3"
- Weight: 5.7 oz
- Made in the USA

5008 0-360° \$299.99 each
 5007 4 x 90°, Quads \$299.99 each

BRUNTON CADET TRAINING COMPASS

This lightweight and compact dynamic training compass will teach you to use Brunton transits.



- Azimuth resolution: 2°
- Azimuth graduations: 0-360° & 0-90°
- Inclination resolution: 2°
- Inclination graduations: 0-90°
- Peep-sight & sighting hole
- Light-weight plastic body

2200B \$99.99 each

WARREN-KNIGHT FORESTER COMPASS MODEL # WK-40-1430

An accurate, versatile and compact instrument for professional use by foresters, logging engineers and timber cruisers. Has a flat base and a straight edge (beveled and graduated to 1/4"). Sold with interchangeable scales on sights that enable slope measurements to ± 30% or ± 60%. Features a vernier so the declination can be set off to within 5 minutes of arc. Compass comes with a ball joint socket, slope measurement scales, and case.



40-1430 Azimuth and Quadrant Scales \$525.00 each

BALL & SOCKET MOUNT

Attach the non-magnetic Ball & Socket mount to any pocket transit and tripod or monopod for extremely accurate azimuth and inclination reading.



- Aluminum & brass construction
- Standard 1/4 - 20 thread
- Fits Brunton transits exclusively

3040 \$64.95 each

NON-MAGNETIC TRIPOD

Professional instruments reach ultimate accuracy with the stability of this easy-to-use tripod. Non-magnetic materials ensure zero interference.



- Adjustable from 19" to 48"
- Aluminum & brass construction
- Standard +/- 20 thread
- 2-section adjustable legs
- Pointed tips at the end for no-slip use
- Use with Ball & Socket mount
- Weight: 24 oz

3051 \$124.95 each

JACOB STAFF THIMBLE

The Jacob Staff Thimble holds a transit steady and off the ground. It can be attached to the Ball and Socket Mount and it fits most wooden staffs with tapered ends.



- Standard +/-20 thread
- Use with Ball & Socket mount

3060 \$12.50 each

JACOB STAFF

54" long, solid wood with steel shoe. Requires Jacob Staff Thimble and Ball and Socket Mount.



10011 \$85.50 each

LEATHER TRANSIT CASE

Protect your handmade masterpiece with this tough leather case. Attach it to your belt with the belt loop attachment on back.



- Genuine leather for durability
- Nylon stitching and a brass closure snap
- Fits all transits except Geo
- Belt strap

51-3000B \$33.95 each

HAGLÖF INCREMENT BORERS

The blue Haglöp increment borer is produced with high quality steel. A characteristic blue plastic for a better grip and high field visibility covers Haglöp borer handles. All borer handles undergo individual quality controls to assure durability and exact fit. The borer lock is tested to withstand high pressure. The Haglöp borer bit is produced with a PTFE one-coat for reduced friction with standard core diameters of 4.30 mm and 5.15 mm and with 2- or 3-threading. Standard core diameter and threading is 5.15 3-thread. The coating also slows down corrosion processes. Complete borers include: Borer Bit, Extractor and Handle.



HAGLÖF BLUE HANDLE BORERS – COMPLETE BORERS

2 Thread - .169"/4.3 mm Core

Part Number	Mfr Part Number	Size	Price
Special Order	10-100-1001	4" – 100 mm	\$145.75
C0150-42	10-100-1005	6" – 150 mm	\$159.65
C0200-42	10-100-1009	8" – 200 mm	\$170.25
C0250-42	10-100-1013	10" – 250 mm	\$194.25
C0300-42	10-100-1017	12" – 300 mm	\$208.85
C0350-42	10-100-1021	14" – 350 mm	\$239.50
10-100-1025	10-100-1025	16" – 400 mm	\$257.25
Special Order	10-100-1029	18" – 450 mm	\$406.25
C0500-42	10-100-1033	20" – 500 mm	\$423.95

3 Thread - .169"/4.3 mm Core

Part Number	Mfr Part Number	Size	Price
Special Order	10-100-1002	4" – 100 mm	\$145.75
C0150-43	10-100-1006	6" – 150 mm	\$159.65
C0200-43	10-100-1010	8" – 200 mm	\$170.25
C0250-43	10-100-1014	10" – 250 mm	\$194.25
10-100-1018	10-100-1018	12" – 300 mm	\$208.85
C0350-43	10-100-1022	14" – 350 mm	\$239.50
C0400-43	10-100-1026	16" – 400 mm	\$257.25
C0450-43	10-100-1030	18" – 450 mm	\$406.25
C0500-43	10-100-1034	20" – 500 mm	\$423.95

2 Thread - .200"/5.15 mm Core

Part Number	Mfr Part Number	Size	Price
Special Order	10-100-1003	4" – 100 mm	\$145.75
Special Order	10-100-1007	6" – 150 mm	\$159.65
Special Order	10-100-1011	8" – 200 mm	\$170.25
Special Order	10-100-1015	10" – 250 mm	\$194.25
C0300-52	10-100-1019	12" – 300 mm	\$208.85
C0350-52	10-100-1023	14" – 350 mm	\$239.50
Special Order	10-100-1027	16" – 400 mm	\$257.25
Special Order	10-100-1031	18" – 450 mm	\$406.25
10-100-1035	10-100-1035	20" – 500 mm	\$423.95
Special Order	10-100-1037	24" – 600 mm	\$520.85
Special Order	10-100-1039	28" – 700 mm	\$740.25
Special Order	10-100-1041	32" – 800 mm	\$880.75
Special Order	10-100-1043	39" – 1000 mm	\$1002.45

3 Thread - .200"/5.15 mm Core

Part Number	Mfr Part Number	Size	Price
C0100-53	10-100-1004	4" – 100 mm	\$145.75
C0150-53	10-100-1008	6" – 150 mm	\$159.65
C0200-53	10-100-1012	8" – 200 mm	\$170.25
C0250-53	10-100-1016	10" – 250 mm	\$194.25
C0300-53	10-100-1020	12" – 300 mm	\$208.85
C0350-53	10-100-1024	14" – 350 mm	\$239.50
C0400-53	10-100-1028	16" – 400 mm	\$257.25
C0450-53	10-100-1032	18" – 450 mm	\$406.25
C0500-53	10-100-1036	20" – 500 mm	\$423.95
Special Order	10-100-1038	24" – 600 mm	\$520.85
Special Order	10-100-1040	28" – 700 mm	\$740.25
Special Order	10-100-1042	32" – 800 mm	\$880.75
Special Order	10-100-1044	39" – 1000 mm	\$1002.45

*Replacement handles (all sizes) for Blue Handle Increment Borers are available. Call for details and pricing.

Large Core Bits

Part Number	Mfr Part Number	Size	Core - Thread	Price
Special Order	10-101-1045	12"	.500"/12 mm – 2 Thread	\$717.65
Special Order	10-101-1046	18"	.500"/12 mm – 2 Thread	\$959.45
Special Order	10-101-1047	32"	.500"/12 mm – 2 Thread	\$1261.75

*Special Order - Please allow 1-3 days lead time

INCREMENT BORER ACCESSORIES

REPLACEMENT PARTS FOR HAGLÖF BLUE HANDLE BORERS

Replacement Borer Bits

Part Number	Length	Thread	Core Size	Price
C0100B-42	4"/100 mm	2 Thread	.169"/4.3 mm	\$109.25
C0100B-43	4"/100 mm	3 Thread	.169"/4.3 mm	\$109.25
C0100B-53	4"/100 mm	3 Thread	.200"/5.15 mm	\$109.25
C0150B-43	6"/150 mm	3 Thread	.169"/4.3 mm	\$112.50
C0150B-53	6"/150 mm	3 Thread	.200"/5.15 mm	\$112.50
C0200B-42	8"/200 mm	2 Thread	.169"/4.3 mm	\$122.85
C0200B-43	8"/200 mm	3 Thread	.169"/4.3 mm	\$122.85
C0200B-53	8"/200 mm	3 Thread	.200"/5.15 mm	\$122.85
C0250B-43	10"/250 mm	3 Thread	.169"/4.3 mm	\$148.25
C0250B-53	10"/250 mm	3 Thread	.200"/5.15 mm	\$148.25
C0300B-43	12"/300 mm	3 Thread	.169"/4.3 mm	\$158.85
C0300B-53	12"/300 mm	3 Thread	.200"/5.15 mm	\$158.85
C0350B-42	14"/350 mm	2 Thread	.169"/4.3 mm	\$180.55
C0350B-43	14"/350 mm	3 Thread	.169"/4.3 mm	\$180.55
C0350B-53	14"/350 mm	3 Thread	.200"/5.15 mm	\$180.55
C0400B-43	16"/400 mm	3 Thread	.169"/4.3 mm	\$193.75
C0400B-53	16"/400 mm	3 Thread	.200"/5.15 mm	\$193.75
C0450B-43	18"/450 mm	3 Thread	.169"/4.3 mm	\$315.50
C0500B-53	20"/500 mm	3 Thread	.200"/5.15 mm	\$339.45



**Only the most popular sizes have been listed here. Replacement bits (all sizes) are available for all Blue Handle Increment Borers. Call for details and price on any not listed here.*

Replacement Extractors

Part Number	Length	Core Size	Price
C0100E-4	4"/100 mm	.169"/4.3 mm	\$22.85
C0100E-5	4"/100 mm	.200"/5.15 mm	\$22.85
C0150E-4	6"/150 mm	.169"/4.3 mm	\$24.85
C0150E-5	6"/150 mm	.200"/5.15 mm	\$24.85
C0200E-5	8"/200 mm	.200"/5.15 mm	\$25.50
C0250E-4	10"/250 mm	.169"/4.3 mm	\$28.75
C0250E-5	10"/250 mm	.200"/5.15 mm	\$28.75
C0300E-4	12"/300 mm	.169"/4.3 mm	\$30.50
C0300E-5	12"/300 mm	.200"/5.15 mm	\$30.50
C0350E-4	12"/300 mm	.169"/4.3 mm	\$30.50
C0350E-5	14"/350 mm	.200"/5.15 mm	\$36.50
C0400E-4	16"/400 mm	.169"/4.3 mm	\$37.50
C0400E-5	16"/400 mm	.200"/5.15 mm	\$37.50
C0450E-4	18"/450 mm	.200"/5.15 mm	\$55.00

**Only the most popular sizes have been listed here. Replacement extractors (all sizes) are available for all Blue Handle Increment Borers. Call for details and price on any not listed here.*

Specialty Bits .200"/5.15 mm Core – 3 Thread

Part Number	Mfr Part Number	Type	Size	Price
C0100-HS	10-101-1048	Hardened Steel Bit	4"	\$133.75
C0150-HS	10-101-1049	Hardened Steel Bit	6"	\$137.95
C0200-HS	10-101-1050	Hardened Steel Bit	8"	\$150.35
C0250-HS	10-101-1051	Hardened Steel Bit	10"	\$182.50
Special Order	10-101-1052	Chrome Bit	4"	\$109.25
C0150B-CHR	10-101-1053	Chrome Bit	6"	\$112.50
C0200B-CHR	10-101-1054	Chrome Bit	8"	\$122.85
Special Order	10-101-1055	Chrome Bit	10"	\$148.25



MATTSON – COMPLETE BORERS

Mattson borers are high quality, low-volume craftsmanship manufactured precision instruments with characteristic brass details and non-coated borer bits. Complete borers include handle, borer bit and extractor.

- Swedish steel borer with a barrel-shaped tip
- Grip friendly handle with brass details
- Hand sharpened extractor with brass knob
- Core diameter available down to 3.5mm/0.14"
- Lengths from 100mm/4" to 500mm/20"

MATTSON – COMPLETE BORER BITS

Part Number	Mfr Part Number	Description	Price
Special Order	10-200-1001	8"/200 mm – .14"/3.5 mm core, 3 Thread	\$202.65
Special Order	10-200-1002	8"/200 mm – .17/4.3 mm core, 3 Thread	\$202.65
Special Order	10-200-1003	10"/250 mm – .17"/4.3 mm core, 3 Thread	\$232.50
Special Order	10-200-1004	12"/300 mm – .17"/4.3 mm core, 3 Thread	\$251.50
Special Order	10-200-1005	4"/100 mm – .2"/5.15 mm core, 3 Thread	\$174.35
4332	10-200-1006	6"/150 mm – .2"/5.15 mm core, 3 Thread	\$191.85
4333	10-200-1007	8"/200 mm – .2"/5.15 mm core, 3 Thread	\$202.65
4334	10-200-1008	10"/250 mm – .2"/5.15 mm core, 3 Thread	\$232.50
4335	10-200-1009	12"/300 mm – .2"/5.15 mm core, 3 Thread	\$251.50
Special Order	10-200-1010	16"/400 mm - .2"/5.15 mm core, 3 Thread, 3 Thread	\$303.25
Special Order	10-200-1011	20"/500 mm - .2"5.15 mm core, 2 Thread	\$575.75



MATTSON – REPLACEMENT BORER BITS

Part Number	Mfr Part Number	Description	Price
Special Order	10-201-1001	8"/200 mm – .14"/3.5 mm core, 3 Thread	\$147.25
Special Order	10-201-1002	8"/200 mm – .17/4.3 mm core, 3 Thread	\$147.25
Special Order	10-201-1003	10"/250 mm – .17"/4.3 mm core, 3 Thread	\$177.50
Special Order	10-201-1004	12"/300 mm – .17"/4.3 mm core, 3 Thread	\$191.25
Special Order	10-201-1005	4"/100 mm – .2"/5.15 mm core, 3 Thread	\$132.25
4332-1	10-201-1006	6"/150 mm – .2"/5.15 mm core, 3 Thread	\$135.25
4333-1	10-201-1007	8"/200 mm – .2"/5.15 mm core, 3 Thread	\$147.25
4334-1	10-201-1008	10"/250 mm – .2"/5.15 mm core, 3 Thread	\$177.50
4335-1	10-201-1009	12"/300 mm – .2"/5.15 mm core, 3 Thread	\$191.25
4337-1	10-201-1010	16"/400 mm - .2"/5.15 mm core, 3 Thread, 3 Thread	\$232.50
Special Order	10-201-1011	20"/500 mm - .2"5.15 mm core, 2 Thread	\$457.65

MATTSON – REPLACEMENT BORER EXTRACTORS

Part Number	Mfr Part Number	Description	Price
Special Order	10-202-1001	8"/200 mm – .14"/3.5 mm core, 3 Thread	\$30.25
Special Order	10-202-1002	8"/200 mm – .17/4.3 mm core, 3 Thread	\$30.25
Special Order	10-202-1003	10"/250 mm – .17"/4.3 mm core, 3 Thread	\$31.00
Special Order	10-202-1004	12"/300 mm – .17"/4.3 mm core, 3 Thread	\$31.50
Special Order	10-202-1005	4"/100 mm – .2"/5.15 mm core, 3 Thread	\$27.50
4332-3	10-202-1006	6"/150 mm – .2"/5.15 mm core, 3 Thread	\$28.75
4333-3	10-202-1007	8"/200 mm – .2"/5.15 mm core, 3 Thread	\$30.25
4334-3	10-202-1008	10"/250 mm – .2"/5.15 mm core, 3 Thread	\$31.00
4335-3	10-202-1009	12"/300 mm – .2"/5.15 mm core, 3 Thread	\$33.75
4337-3	10-202-1010	16"/400 mm - .2"/5.15 mm core, 3 Thread, 3 Thread	\$39.25
Special Order	10-202-1011	20"/500 mm - .2"5.15 mm core, 2 Thread	\$79.50



BORER ACCESSORIES



HAGLOF INCREMENT BORER STARTER

This foldable borer starter is useful for easier boring into the tree and better cores. When using the borer starter you can prolong the lifetime of your increment borer bit and also use less effort, especially when taking multiple samples. Haglöp Sweden recommends using this borer starter when drilling in hardwood.



IBS.....\$39.95 each

HAGLÖF INCREMENT BORER SHARPENING KIT

An efficient way to avoid corrosion is to maintain borers. Clean, dry and lubricate with light oil at all times. Kit includes 1 each indian stone, conical stone, pocket stone, cork, oil and beeswax.



10-500-1006\$65.00 each

HAGLOF BORER CHUCK

Core into the sidewall of an individual board to desired depth, and back out the bit. Cores remain inside the bit until next core sampled pushes it out. Drill into the end grain of a board to remove the last core. The end grain core remains in place when the bit is reversed because of the wood's horizontal grain. Use with a minimum drill size of 1/2".



**Note: Product warranties are void when using the borer chuck*

CHUCK.....\$87.25 each

HAGLÖF TREE CORE READER

The Tree Core Reader serves to perform field analysis work of tree core samples. By examining the core in the high quality optic lens, the operator can determine the conditions of the tree, its growth, age and increment, all based on the extracted wood core sample examinations.



10-500-1016\$1,125.95 each

HAGLOF INCREMENT HAMMER

- Steel hammer with plastic handle
- Leather wrist thong
- Takes 1" increment samples
- Inch/mm scale.



COHA Increment Hammer\$108.25 each
 COHA-T Replacement Cutting Tube..... \$40.95 each
 COHA-P Replacement Plunger \$19.95 each

HAGLÖF INCREMENT BORER HOLSTERS

Leather with belt loop



10-500-1002 8" \$15.25 each
 10-500-1003 12" \$16.85 each
 10-500-1004 16" \$18.35 each

HAGLOF BARKTAX BARK GAUGE

Use to measure bark thickness from 0" to 2" in increments of 1/10". Press against bark until wood is reached and read gauge.

- Gauge is made of aluminum with steel recessed tip
- Handle is made of plastic



BAMF English.....\$84.50 each
 10-301-1003 Metric\$84.50 each

INCREMENT CORE HOLDERS

Aluminum -- Holds up to 10 Cores with a max length of 6-3/4". Sliding Cover.



CH-A.....\$39.95 each

Plastic -- Snaps in up to 10 Cores with diameters of .169" or .200". Holder measures 8" x 12".



CH-P \$16.75 each

SHARPENING KITS AND SUPPLIES

CON-STONE	Conical Stone - sharpens inside cutting edge & outside beveled edge	\$17.25 each
FF-414	Flat India Stone - sharpens lead cutting edge	\$14.95 each
CDS	Flat Pocket Stone - removes nicks	\$6.25 each
HON1	Honing Oil - 4 oz. can - lubricates stones	\$6.75 each
CORK	Large Cork	\$1.50 each
SK	Sharpening Kit - Contains all items listed above	\$43.95 each
BW	Beeswax - 1 oz. block	\$1.50 each
9846	WD40 - 8 oz. can	\$5.25 each

HAGLÖF® MANTAX BLUE CALIPERS

With its adjustable jaws and unique design in bright blue, the Mantax Blue is great for diameter measuring in any environment. Available in the markets largest assortment of scale lengths and graduation options, the Mantax Blue is a diameter caliper you can depend on for many years to come.



Mantax Blue calipers are used for a wide variety of applications in many different operation areas: Diameter measuring of trees and timber, log scaling, in fishery industry & wildlife management, and in healthcare industry. The simple construction of Mantax Blue allows any operator to start working immediately. Mantax Blue scale is made of lightweight aluminum. Choose from a large variety of scale options and graduations, with digits that will not wear even after years of use. No delicate parts, no corrosion, no deterioration of scale graduation.

English Only

MA18	18" calipers	\$138.50 each
	2+	\$129.75 each
MA24	24" calipers	\$166.00 each
	2+	\$155.75 each
MA30	30" calipers	\$179.25 each
	2+	\$168.00 each
MA36	36" calipers	\$198.50 each
	2+	\$186.00 each
MA40	40" calipers	\$230.00 each
	2+	\$215.75 each
MA50	50" calipers	\$255.25 each
	2+	\$239.25 each

English/Metric Combo

MA18/500 MM	18"/500mm calipers	\$138.50 each
	2+	\$129.75 each
MA24/650 MM	24"/650mm calipers	\$166.00 each
	2+	\$155.75 each
MA30/800 MM	30"/800mm calipers	\$179.25 each
	2+	\$168.00 each
MA36/950 MM	36"/950mm calipers	\$174.50 each
	2+	\$198.50 each

***Metric Only calipers also available by special order**

11-500-1001	Belt Holster	\$39.95 each
11-500-1006	Replacement Sliders, 4 Pack	\$7.95 each



HAGLÖF® MD II MANTAX DIGITECH® II CALIPERS

Lightweight, rugged and fully field adapted, the MD II caliper is designed for speedy collection and field data storing of many thousands of trees with details on species, diameters and heights. With versatile use and adjustable settings for alignment with your regular work mode. Data fields can be activated or moved for improved adaptability for the individual operator. The small but rugged MD II computer terminal (less than 140 g) can be detached from the measuring scale and conveniently carried in your pocket when bringing captured field data indoors for download. The MD II can also be used as a virtual keyboard to send wireless data to spreadsheets, mail or SMS.



- Bluetooth caliper for efficient field data capture
- Convenient communication with PC, handhelds and mobile phones and tablets through custom App
- Designed to improve accuracy and add value and use to investments in corporate management systems and field computers
- Patented and certified technology
- Moisture and dirt protected electronics and display
- Handles up to 25 different tree species
- Non-incremental measuring system
- Includes Measuring Scale in specified length
- Optional Software (sold separately, see below)

** Set includes: MD II Bluetooth computer terminal standard model, USB cable/adaptor, AC/DC international charger, transport case, built-in Li-Ion battery.*

13-430-3021	18"	\$1,715.00 each
13-430-3022	24"	\$1,729.00 each
13-430-3023	30"	\$1,750.00 each
13-430-3024	36"	\$1,760.00 each
13-430-3025	40"	\$1,765.00 each
14-101-1007	PC Communication Program	\$95.00 each

HAGLÖF MANTAX BLACK FOLDABLE CALIPERS

Scale graduation that will not wear off even after years of daily use in the field!

- Patented foldable jaws
- Exclusive Alloy Coating Aluminum Scale
- Rounded Scale Profile with Hollow Centre provides durability, strength & low weight
- Ergonomic Handle Suitable for all Hand Sizes
- Smooth Glide
- No Loose Parts, no Breakable Details
- Indestructible one-side readings on Non-reflecting Scale



11-200-1008	18"	\$172.95 each
11-200-1009	24"	\$207.25 each
11-200-1010	30"	\$236.50 each
11-200-1011	36"	\$250.75 each

**Metric Models, Gator Eyes and Mantax Black w/Gator Eyes available by special order. Call for details.*

HYPSONETERS

VERTEX IV

The Vertex IV uses ultrasound to measure heights of standing objects, and most often trees. The instrument system will also give accurate measurement information on distance, horizontal distance, angle and inclination. The Vertex instrument ultrasonic measuring technique can be operated in areas with dense terrain and thick undergrowth, where conventional methods such as measuring tapes, laser instruments and mechanical height measurers are difficult to use. The Vertex IV instrument has an aluminum housing, sealed electronics and a large, easy-to-read alphanumeric display. A built-in tilt sensor allows for exact height measuring in slopes or on hills. Infrared and Bluetooth® transmitters enable direct transfer of measurements to unlimited peripheral devices. Measure distances up to 30 meters with multiple heights per object, sample plot radius, limiting distances and diameters for BAF point samples and more. The measured angles and distance to the reference point are used to calculate tree heights with great accuracy. The Vertex IV automatically assumes the measuring object is perpendicularly positioned to the ground. The built-in BAF (Basal Area Factor) function is useful for cruising with reverse prism with preset basal area factors, when some trees in an area are covered by others, and to control the minimum diameter of border trees when counting stems with a factor gauge. This instrument system is easy to learn and use, is proven, reliable and accurate. Includes user instructions and aluminum transport case. Bluetooth



Part Number	Description	Qty 1	Qty 2+
15-103-1010	Vertex IV Instrument Only, User Instructions, Aluminum Transport Case	\$1,395.00 each	\$1,295.00 each
15-103-1009	60° Package – Instrument, Transponder T3	\$1,550.00 each	\$1,450.00 each
15-103-1008	360° Package - Instrument, Transponder T3, Plot Staff, Adapter	\$1,589.00 each	\$1,475.00 each

VL5 VERTEX LASER

The VL5 Vertex Laser is a technically advanced instrument solution for high accuracy demands in height, distance and angle measurements in forest and field. With integrated tilt sensor, laser and ultrasound, the VL5 offers a variety of options to achieve correct measuring results for different situations and surroundings. Results are presented in a graphic LCD display and can be transferred wirelessly to external units. The VL5 can also be set to store or process results for example, mean sample tree height in a stand. The VL5 has a built-in Li-Ion rechargeable battery. An illuminated adjustable sighting cross makes it easier to detect and spot individual trees, tree tops and thin objects. The VL5 instrument is rugged with reinforced and stabilized, water resistant housing. The interface is user friendly with fully integrated technology and a built-in mounting point for camera-type monopods when a steadier aim is required. Bluetooth



- The most complete, compatible and communicative field measuring instrument with extreme accuracy and great durability
- Ultrasound and laser combination technology
- Rugged and reinforced housing in new bright orange color
- Angle compensated/horizontal distance value and tilt sensor
- Laser technique for range, height and angle measurements as 1, 2 or 3-point measuring, with or without reference
- Extended range measuring capacity
- Data storage and processing capacity
- Hazard trees safety distance and delta height
- Custom programming possibilities for special user areas
- Red cross aim for spotting of individual and thin objects
- Adjustable laser filter
- Rechargeable low-consuming Li-Ion battery
- Easy operation with field adapted keypad and step-through menu
- Reverse Prism Factors: (BAF - Factors) 5-50 (English)/0.5-9 (Metric)



Part Number	Description	Qty 1	Qty 2+
15-103-1022	VL5 Instrument Only, User Instructions, Aluminum Transport Case	\$2,295.00 each	\$2,135.00 each
15-103-1021	60° Package – VL5 Instrument, Transponder T3, Charging Cable, Adapter	\$2,350.00 each	\$2,185.00 each
15-103-1020	360° Package – Instrument, Transponder T3, Plot Center Staff, Adapter, Charging Cable	\$2,515.00 each	\$2,335.00 each

L5 LASER

The L5 Laser instrument is especially adapted for long range measurement in open areas. Measures distances from approx. 0.5m/1.5ft up to 700 m/2300ft and longer with extra high accuracy. The L5 instrument will be useful within many professions and work areas, for example within the utility industry, controlling power line and for accident prevention. A laser filter allows for flexible measuring, where you can select to measure the closest object, the farthest object or the object that submits the strongest signal. The L5 has a built-in Li-Ion rechargeable battery. An illuminated adjustable sighting cross improves sighting and spotting of individual lines and other objects. The L5 instrument is rugged with a reinforced and stabilized housing. IP67 water resistant, with user friendly interface, fully integrated technology, and built-in mounting point for camera-type monopod if a steadier aim is required. The L5 includes several integrated special functions for added value. Bluetooth



- Laser technique for extended range, height and angle measurements
- Rugged, reinforced, high-visibility blue and shockproof housing Bluetooth® and IR communication
- Data storage capacity
- Data processing capacity
- Hazard trees safety distance, tree limit, line clearance
- Delta height calculation
- Red cross aim for easy spotting of thin objects
- Adjustable laser filter
- Rechargeable built-in Li-Ion battery
- Easy operation with field adapted keypad and step-through menu
- Perfect for logging/wood industry, power distribution, pole control, shooting ranges, construction, planning, mining industry, etc.
- Choose if to save and process measurement results in the instrument or transfer with built-in IR or Bluetooth®

*Package includes: L5 Instrument, charging cable with adapter, user instructions, built-in Li-Ion battery and aluminum transport case.

15-103-1030	\$1,815.00 each
2+	\$1,685.00 each

L5CUSTOM PILE CONTROL LASER

The L5Custom Pile Control Laser allows you to always know the size of your inventory. One person and a single instrument can perform advanced calculations, using a series of simple measurement operations. Pile lengths and heights are measured with great accuracy and the total pile volume is processed, calculated, and instantly presented in the graphical display. The results can be stored in the L5 instrument or transferred to PC or handheld. A pile of wood or wood chips can be divided in several sections. Set variables such as width (log length), assortment and volume factor in percentage. The instrument will store and process all data to calculate the total volume, the mean values for pile width, percentage of wood volume and more. The L5Custom Pile Control instrument increases efficiency in your work processes. Bluetooth. Use the market's most optimized laser instrument to:



- Measure piles of wood and wood chips
- Obtain your field data with accuracy and precision
- Control and calculate the volume and have results presented to you instantly
- Report within seconds with wireless transfer, store and process in the instrument
- Measure close to the pile or from afar with extended range laser
- Avoid pacing and climbing in hazard areas
- Work comfortably without paper and pen
- Use in all weather conditions and temperatures
- Rechargeable Li-Ion battery
- Easy access to measurement modes and menus with field adapted keypad
- Ruggedized, reinforced and sealed housing in new high-visibility blue color
- Specified, tested & approved by independent users and industry

*Package includes: Measuring Instrument, lanyard, charger and charging cable, user guide and aluminum safety case.

15-103-1032	\$1,895.00 each
2+	\$1,765.00 each

HYPSONETERS

L5^{CUSTOM} GATOR EYE^{REB}

This L5^{Custom} Gator Eye meets user requirements within the mining industry and geology research. With a high visibility green laser pointer and a synchronized Radio Enter Button, you are able to measure distance, angles and heights in caves and mines where daylight is limited and targets are difficult to see and/or hit. Distances from approx. 0.5m/1.5ft up to 700 meters/2300ft and longer can be measured, registered, processed and featured along with speedy and reliable results on heights and angles. Measurement results are conveniently registered and stored in the instrument. Aim with the high visibility Gator Eye laser pointer at your target distance. Register the measurement result with the Radio Enter Button mounted on the monopod. The L5^{Custom} Gator Eye model is delivered complete with a monopod staff, custom-built with a Radio Enter Button. Bluetooth

- Great complementing instrument to your theodolite total stations for quick and accurate controls
- Special model to measure in dark surroundings and under-ground
- Suitable for mining industries and cave examinations
- High-precision laser for distance, height and angle
- Extended range measuring capacity
- Rugged and reinforced instrument housing in clear blue color
- Avoid difficult aiming with the aligned high visibility laser pointer
- Radio Enter button - trigger on monopod for convenient operation
- Follow the Gator Eye laser beam and register when target is reached
- Data storage and processing capacity
- Custom programming possibilities
- Adjustable laser filter
- Back-lit display with extra durability
- Bluetooth® and IR built-in for result transfer
- Rechargeable low-consuming Li-Ion battery in measuring instrument
- Field adapted keypad and step-through menu
- Developed and manufactured in compliance with professional users



** Package includes: L5 Instrument with Gator Eye Laser Pointer, charging cable with adapter, camera-type monopod with Radio Enter Button, User instructions, aluminum transport case, built-in Li-Ion battery, coin cell battery in Radio Enter Button, batteries for Gator Eyes may or may not be included depending on local shipping restrictions in receiving country.*

15-103-1033	\$2,495.00 each
2+	\$2,395.00 each

HAGLÖF ACCESSORIES FOR VERTEX LASER (ULTRASOUND) INSTRUMENTS

60° TRANSPONDER T3

The 60° Transponder T3 is water resistant, rugged and has a simple construction in a bright, visible color. T3 uses one AA battery and it is compatible with Haglöf instruments DP DME, Vertex IV, DME and VL Vertex Laser. The transponder is equipped with a pin to place directly on a tree stem. It can also be used with an adapter and monopod staff to measure in a full circle in sample plot work. The T3 in orange color is delivered with orange color VL5 sets. Diameter 70mm/2.8". Weight 85g/3.4 oz.



DME201T Yellow	\$325.00 each
15-104-1012 Orange	\$325.00 each

MONOPOD PLOT STAFF

The Monopod plot staff is produced in sturdy light-weight, bright blue aluminum material with a pointy end.

- Height when assembled 130cm/50.7"
- Weight approximately 240g/9.6 oz.



DME-M Mfr # 15-104-1010	\$83.25 each
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360° ADAPTER

The Adapter is mounted on the plot staff and allows for measuring in a full 360° circle.

- Plastic
- Height approximately 47mm/1.88"
- Weight approximately 40g/1.6 oz



DME201A Mfr # 15-104-1011	\$79.25 each
AL-AA AA Battery	\$0.67 each

HIP CHAINS

CHAINING BUDDY HIP CHAIN



Distance measuring device that operates by measuring the length of string that is drawn from a spool within the instrument. The impact-resistant, lightweight plastic case can be worn on the hip, freeing the hands for note writing or soil sampling. The biodegradable cotton thread is 9,000 feet long. Counter reads to 99,999 feet. English



- FR-100 1..... \$125.95 each
 2+..... \$116.95 each

WALKTAX®



Thread distance meter for fast and exact measuring of distances up to approximately 9,000 ft. One man does the work of two faster and more exact than with measuring tape or line, leaving both hands free. After measuring, simply break off the thread (made from biodegradable cotton) and leave it to disintegrate. Thread sold separately



- Foot, 1/10 yd, dm, or cm pitch 5-digit counter
- Accuracy: 0.2-0.7% compared with laser
- 6" x 3-1/2" x 3-1/4"

- WA3D Walktax® Meter, Metric..... \$126.95 each
 WA3F Walktax® Meter, Feet..... \$126.95 each
 2+..... \$118.95 each

HIP-CHAIN® AND WALKTAX® REPLACEMENT THREAD

9,000 feet / 3,000 yard Spools

P/N	COLOR	QTY: 1-35	QTY: 36-71	QTY: 72+
T-24	White	\$6.00	\$5.25	\$4.25
M-250S	Orange	\$6.95	\$6.15	\$5.65
T-24-RH	Red-Head (White w/Red run-out Warning at 300')	\$6.95	\$6.20	\$5.75
16-103-1005	Walktax®, Biodegradable White 8,100 ft/ 2700 yds	\$8.95	-	-
16-103-1006	Walktax®, 10 Pack Biodegradable White 8,100 ft/ 2700 yds	\$8.95	-	-



15-103-1005



T-24



M-250S



T-24-RH

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RANGEFINDERS

TRUPULSE 200 LASER RANGEFINDER

The TruPulse 200 model measures distances and heights and is available in yellow and grey (special order). It comes standard with a serial port, offers in-scope data display with 7x power optics and runs on 2 AA batteries or 1 CRV3 battery. You can instantly measure slope distance, inclination and azimuth* and calculate horizontal and vertical distance - all with a single push of a button. The LTI Missing Line Routine is incorporated into all TruPulse models. The TruPulse 200 Series Missing Line routine is a 2D measurement. Taking 2 shots to remote targets calculates the distance & inclination values between those 2 remote targets.

- Produces better distance and inclination accuracy
- Increases scope magnification and field of view
- Transfers data via serial port and Bluetooth® (with Bluetooth Model)



TRUPULSE	Yellow, w/o Bluetooth	\$799.00 each
TRUPULSE-B	Yellow, w/Bluetooth (Transfers data via Serial Port & Blue Tooth)	\$899.00 each

TRUPULSE 200L

The TruPulse 200L is a professional laser rangefinder for a consumer price. The built-in inclinometer (tilt sensor) allows the user to measure horizontal distances to extremely far targets. The 4X magnification optics makes this unit ideal for tree height measurements. The TruPulse 200L model measures distances and heights and is available in LTI red. It offers in-scope data display with 4x power optics and runs on (1) CR123A battery.

- Navigates through menus easily with graphical icons
- Ranges extremely far without a reflector



TRUPULSE 200L	LTI Red	\$449.00 each
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TRUPULSE 200X LASER RANGEFINDER

The TruPulse 200X model is a very accurate, ruggedized waterproof unit, ideal for any type of environment. TruPulse 200X measures distances and heights and is available in LTI red. The new bright red LED display is perfect for those low light measurement conditions. Also new to the product line is adding a Bluetooth module that is compatible with iOS devices as well as Android & Windows Mobile. It comes standard with a serial port, offers in-scope data display with 7x power optics and runs on 1 CR123A battery.

- Achieves the highest distance and inclination accuracy
- Adjusts to any lighting conditions using the in-scope LED display
- Withstands harsh conditions with rugged, waterproof housing



TRUPULSE 200X	LTI Red	\$1,795.00 each
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TRUPULSE 360 LASER RANGEFINDER

The TruPulse 360 model measures distances, height and azimuth and is available in yellow and grey (by Special Order). It comes standard with a serial port, offers in-scope data display with 7x power optics and runs on 2 AA batteries or 1 CRV3 battery.

- Provides full measurement capability with AZ + INC + SD
- Solves 3D missing line calculations between any two remote points
- Integrates with GPS for efficient GIS data capture
- Bluetooth® capabilities for wireless data collection*
- LTI TruVector 360° Compass Technology®



TRUPULSE 360	Yellow, w/o Bluetooth	\$1,595.00 each
TRUPULSE 360 BLUE	Yellow, w/ Bluetooth	\$1,695.00 each

TRUPULSE 360R LASER RANGEFINDER

The TruPulse 360 R offers all the same functionality as the 360 B model, but looks a bit different with a horizontal design and the added benefit of being rugged and waterproof. This model is available in black only.

- Provides full measurement capability with AZ + INC + SD
- Solves 3D missing line calculations between any two remote points
- Integrates with GPS for efficient GIS data capture
- Bluetooth® capabilities for wireless data collection
- LTI TruVector 360° Compass Technology
- Withstands harsh conditions with rugged, waterproof housing



TRUPULSE 360R	Black, w/Bluetooth	\$1,795.00 each
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RANGEFINDERS

SPIEGEL RELASKOP

The Relaskops are principally known in connection with angle-count sampling (ACS), a method which determines basal area density in forests by a simple counting method.

The Relaskop automatically corrects for any inclination in the line of sight, making it possible to easily find the stand basal area in square meters per hectare either at breast height (1.3m above the ground) or any other height.



Four Models are available:

- American Scale** – Reads in English units (sq. ft./acre, inches, feet). Includes a 66' slope correction scale. Use where trees are less than 96" dbh.
RELASKOP-A \$2,056.50 each
- Wide Scale** – Measures larger timber with a wider range of BAF. Reads in metric – diameter measurements convert to inches or centimeters. For trees larger than 96" dbh.
RELASKOP-W \$2,399.75 each
- CP Scale** – Combination – gives both English and metric measurements. Works well on large timber even on steep terrain.
RELASKOP-C \$2,399.75 each
- Metric Scale** – Reads in metric units (sq. meters/hectare, meters and centimeters)
RELASKOP-M \$2,399.75 each

NIKON® FORESTRY PRO LASER RANGEFINDER/HYPSOMETER



- Measurement range: 10-500 m/11-550 yds./33-999 ft.
- In addition to actual distance, horizontal distance, height, angle and vertical separation (difference in height between two targets) measurement functions, three-point measurement (height between two points) is available
- The results are displayed on both internal and external LCD panels. The external panel displays all results simultaneously.
- Target Priority Switch System for measuring overlapping subjects:
- First Target Priority mode displays the distance of the closest subject — useful when measuring the distance to a subject in front of an overlapping background.
- Distant Target Priority mode displays that of the farthest subject — useful in wooded areas.
- High-quality 6x monocular with multilayer coating produces bright, clear images
- Long eye relief design affords eyeglass wearers easy viewing
- Dioptre adjustment function
- Single or continuous measurement (up to 20 seconds)
- Waterproof (up to 1 meter for 10 minutes) but not for underwater usage; the battery chamber is water resistant
- Wide temperature tolerance: -10°C to +50°C

NIKON PRO LASER \$399.95 each

HAGLÖF® DME

The DME instrument uses ultrasonic pulses to determine distance, allowing you to walk 360° around the transponder and receive accurate measurements at the push of a button.



Ideal for taking plot radius measurements, the DME is accurate even through thick underbrush and won't miss borderline trees. The DME can measure distance in English or metric units and measures up to 60'/20m in ideal conditions in feet/10ths or m/cm with an accuracy of ±1%. The DME also has a reverse prism function with built-in prism factors of 10, 20, and 40 (English) and .5, 1.0, and 2.0 (Metric). The DME will measure the 52.7' plot radius for a 1/5 acre plot under normal conditions and can be easily calibrated. The distance measuring instrument uses one 9-volt battery, and the transponder uses one AA cell battery (both included). The DME Complete Unit includes: a measuring instrument, transponder, a plot center staff which extends to 51" L and retracts to 25" L, and a threaded tripod adapter for mounting the transponder on the plot center staff or on a standard photographic tripod.

- Size: 1.2 x 1.6 x 4.9 inches
- Weight: 3.0 ozs
- Temperature: Min 5 F, Max 113 F / Min -15 C, Max 45 C
- Ultra Sonic Frequency: 25 kHz
- Distance: 30 m / 98 ft or better (Note: with the 360 degree adapter on the transponder 20 m / 60 ft or better.)
- Resolution: 0.01 m / .1 ft
- Accuracy: 1% or better when calibrated properly

DME 201	DME Complete Unit	\$775.00 each
DME-MU	Measuring Unit only	\$650.00 each
DME201T	Transponder only - 60°	\$325.00 each
DME201A	360° Transponder Adapter	\$79.25 each
DME-M	Monopod only	\$83.25 each
AL-9V	9 volt alkaline battery	\$1.95 each
AL-AA	AA alkaline battery	\$.67 each

**See page 50 for other accessories*

HAGA ALTIMETER

The Haga altimeter makes height and slope measurement easy using six scales – 1 chain (66'), 15', 20', 25', 30' and percent. May be used with an optical rangefinder. Includes complete instructions and case.



HAGA	Altimeter	\$485.00 each
HAGA-R	Rangefinder	\$195.00 each
HAGA-ET	English Target	\$49.50 each
HAGA-M	Metric Target	\$49.50 each

DELMHORST MOISTURE METERS

BD-10 ANALOG MOISTURE METER

- Easy to read analog display
- Two scales:
 - Wood Scale - 6% to 40% moisture range. Use for flooring and building material such as wood studs, floor joists, sub-floors
 - Reference Scale - reads from 0 to 100 on a relative basis. Use on non-wood materials such as concrete, plaster, and insulation
- Connector to attach external electrode
- Rugged carrying case
- 1 year warranty



The BD series, purchased individually, includes a carrying case and extra #2497/A-100 contact pins. Order as BD-10.

The standard package includes a moisture meter, carrying case, #21-E electrode and extra #2497/A-100 contact pins. Order as BD-10/PKG.

BD-10 \$323.00 each
BD-10/PKG \$420.50 each

BD-2100 DIGITAL MOISTURE METER

- Digital readout
- Three scales:
 - Wood Scale - 6% to 40% moisture range
 - Reference Scale reads from 0 to 100 on a relative basis.
 - Sheetrock Scale - 0.1%-50% moisture range.
- Averages up to 100 accumulated readings
- Set-point alerts you to when a pre-selected MC is reached
- Connector to attach external electrode
- Rugged carrying case
- 1 year warranty



The BD-2100, purchased individually, includes a carrying case and extra #2497/A-100 contact pins. Order as BD-2100.

The standard package includes a moisture meter, carrying case, #21-E electrode and extra #2497/A-100 contact pins. Order as BD-2100/PKG.

BD-2100 \$359.00 each
BD-2100/PKG \$461.50 each

J-4 ANALOG MOISTURE METER

- Easy to read analog display
- Moisture content range from 6% to 30% on wood
- Built in connector accepts any Delmhorst® electrode
- Built in calibration check
- Integral contact pins mounted on the meter prove 5/16" penetration
- Size: 8" X 3" X 1 5/8"
- Weight: 10 oz
- Sturdy plastic carrying case
- Rugged construction ensure years of reliable use
- One year warranty



J-4 \$266.50 each

J-LITE MOISTURE METER

- 12 bright LEDs -- great for reading in direct sunlight or dark areas
- Moisture content range from 6% - 30%
- Built in connector suitable for any Delmhorst® electrode
- Carrying Case
- Three Year Warranty
- 9 Volt Battery



J-LITE \$161.00 each

J-2000 WOOD MOISTURE METER

Popular among woodworkers and furniture manufacturers, the J-2000 is the most versatile wood moisture meter on the market! Corrections for 48 different wood species are built in and temperature changes are no problem with Fahrenheit and Celsius calibration settings. A bright digital LCD screen displays moisture content readings quickly, easily, and accurately. Finally, with a connector for an external electrode (26-ES sold separately) the J-2000 can take both surface and core moisture content readings.



- Corrects for 48 individual species and temperature (°F and °C)
- Averages up to 100 accumulated readings
- Measures moisture content over the range of 6% to 40%
- Built in connector suitable for any Delmhorst® electrode
- Rugged carrying case
- 1 year warranty

J-2000 Package Variations:

-With Case: Includes meter, carrying case and extra contact pins for the meter. Order as J-2000.

-Package: Includes meter, 26-ES electrode, extra contact pins for the meter, extra #496 pins for the 26-ES electrode and carrying case. Order as J-2000/PKG.

J-2000 \$328.00 each
J-2000/PKG \$477.00 each

F-2000 HAY MOISTURE METER

- Micro controller circuit
- Averages up to 100 accumulated readings
- Displays average and highest of accumulated readings
- Measures moisture content over the range of 6%-40%
- Three-year warranty
- Great for the hay producer who utilizes the memory features for enhanced quality control



F-2000/1235 Meter, 10" Prod w/Connector\$293.50 each
F-2000/18/PKG Meter, Case, Handle, 18" Prod, Short Pin Prod.....\$409.00 each
F-2000/PKG Meter, Case, Handle, 10" Prod, Short Pin Prod.....\$405.00 each

DELMHORST MOISTURE METERS

RDM-3 WOOD MOISTURE METER

- 5-60% MC range depending on species/temperature
- Built in wood species corrections for 69 species of wood
- Built in temperature compensation over the range of 0° to 255° F (-18° to 124°C)
- Integral contact pins mounted on top of meter provide 5/16" penetration
- Connector for external electrode
- On-screen reading recall of up to 1400 readings
- Date and time stamp for each stored reading
- Job groupings
- Optional infrared linking capability w/ application software*
- 0.1% MC resolution
- Operating Temperature -4° to 158°F (-20° to 70°C)
- 9V battery
- 1-year warranty
- Carry case



The RDM3 package includes the meter, 26-ES electrode, extra contact pins for the meter, extra #496 pins for the 26-ES electrode and carrying case. Order as RDM3/PKG. Optional application software program.

RDM-3/PKG \$661.50 each

HT-3000 THERMO-HYGROMETER

A thermo-hygrometer for IAQ and Mold Remediation Specialists, Flooring professionals, Restoration Contractors, Home Inspectors, General Contractors and Woodworkers. Use the HT-3000 in conjunction with a Delmhorst® moisture meter to determine the air quality and identify the presence of moisture.

- Selectable Screen Displays
- Relative Humidity Range: 0-100% with up to ± 3% accuracy
- Temperature Range: -4° to 158°F (-20°C to 70°C) with up to ±1.8°F accuracy
- Dew Point Range: -40°F to 158°F (-40°C to 80°C)
- GPP (grains per pound) Range: 0.55 GPP to 2000 GPP
- Fast Response Time
- Data Hold Feature
- Automatic Power Down
- 1 Year Warranty
- Rugged Carrying Case



HT-3000 \$328.00 each

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www.cspforestry.com

RC-1E WOOD MOISTURE METER

- Housed in a durable and beautifully-finished hardwood case
- Measures moisture from 6% to 80% with its three-range analog scale
- Temperature stable circuit, built-in battery and calibration checks and an auto shut-off timer
- Also available with a Southern Pine dial (RC-1E/SP)
- Package includes 26-ES Electrode and Contact Pins



RC-1E Wood Moisture Meter, Douglas Fir\$497.50 each
RC-1E/PKG Wood Moisture Meter Package, Douglas Fir.....\$635.50 each
RC-1E/SP Meter w/ Southern Pine Dial.....\$497.50 each
RC-1E/SP/PKG Meter w/ Southern Pine Dial Package.....\$635.50 each

NAVIGATOR PRO MOISTURE METER

The Navigator Pro, Delmhorst's easy to use 3-in-1 meter, offers pin mode, scan mode, and thermo-hygrometer in a single handheld unit. The Navigator Pro also features advanced job definition that organizes readings of the floor, wall, and ceiling in affected rooms. Stored readings can be downloaded to a spreadsheet on your PC, providing clear, complete documentation of every job. With features you can't find anywhere else, plus Delmhorst's renowned quality and service, the Navigator Pro will guide you from wet to dry! Navigator Pro can be used to check moisture in drywall, insulation, wood, concrete, and plaster. It traces leaks to find exterior moisture and dry rot.



- Simplified menu options in Basic Mode for quick and easy use.
- Job definition of up to 5 jobs with unique Job ID numbers in Enhanced Mode.
- Data grouping by specific rooms, with up to 32 rooms per job.
- Pin mode:
 - 5%-60% MC wood scale.
 - 0-100 numerical reference scale.
 - 0.1% - 6% drywall scale.
- Scan Mode: 0-300 numerical reference scale.
- Thermo-hygrometer:
 - Measures temp/RH.
 - Calculates GPP/dew point.
 - Fast response time.
 - Store up to 1,400 readings with date, time, room, and location stamp.
 - View stored readings on screen.
 - Optional software lets you download readings to your computer and generate Excel reports.
 - Size: 8-1/2" x 3-3/8" x 1-3/4".
 - Weight: 11 oz.
 - Rugged construction ensures years of reliable use.
 - Sturdy plastic carrying case.
 - 1-year warranty.

Includes meter, (1) RHT-S1 humidity and sensor carrying case. Order as NAVPROV/CS.

Basic Package: Includes meter, (1) RHT-S1 humidity sensor, carrying case, 2-E electrode, and PC/KIT software application program. Order as NAVPRO/BP.

NAVPROV/CS \$876.50 each
NAVPRO/BP \$1,092.00 each

DELMHORST MOISTURE METERS

KS-D1 DIGITAL SOIL MOISTURE METER

The KS-D1 Digital Soil Moisture Tester, used with the GB-1 Gypsum Soil Blocks (sold separately), make up a valuable system to monitor the soil moisture available to plants. This system eliminates guesswork so that irrigation can be effectively scheduled according to plants' requirements.



- Range: 0.1 to 15 Bars Tension
- Display: 3 1/2 " Digital LCD with 0-100 Arbitrary Scale
- 0-100 reference scale
- Built in calibration check
- Size: 2-3/4" x 4-3/4" x 1-3/4"
- Weight: 8 oz.
- Battery: 1-9V
- Carrying Case: included
- 1 year warranty

KS-D1 \$348.50 each

GYPSUM BLOCKS

These blocks are made of gypsum, cast around two concentric, stainless steel electrodes. They are manufactured under controlled conditions to obtain a maximum degree of uniformity and fast response to soil moisture changes. The GB-1 measures 7/8" dia. x 1-1/8" high. It is the most widely used sensing unit, easy to install and especially suited for extensive sampling of soil at various depths.



- GB-1 6' Lead.....\$11.00 each
- GB-2 25' Lead.....\$17.50 each
- GB-3 50' Lead.....\$22.50 each

ELECTRODES/ACCESSORIES/SPARE PARTS

Part Number	Description	Price
1235	10" Prod w/Connector	\$57.50
1235/18	18" Prod w/Connector	\$72.00
830-2	10" Prod - Requires H-4 Handle	\$51.50
830-3	18" Prod - Requires H-4 Handle	\$57.50
830-4	36" Prod - Requires H-4 Handle	\$67.00
831	Short Pin Prod - Requires H-4 Handle	\$38.00
832	Long Pin Prod - Requires H-4 Handle	\$51.50
18-ED	18" Shaft Slide Hammer (Depth Gauge)	\$154.00
18-ES	18" Shaft Slide Hammer	\$138.50
26-ES	10" Shaft Slide Hammer, 1-1/8" Penetration	\$128.50
2-E	Two-Pin Electrode	\$77.00
H-4	Handle for 18", 36" and Short Pin Prods	\$61.50
21-E	Two-Pin Electrode, 3-1/4" Penetration Insulated Pins	\$94.50
RH/T-S1	Rh/T Sensor	\$80.00
2497/A-100	Retainers w/Pin - Pack of 24	\$43.50
496/24	Contact Pins - Pack of 24	\$61.50
608-4	Contact Pins - Pack of 4	\$47.50
324CAS-0065	Carrying Case	\$29.00
PC/KIT/USB	PC Interface Kit - USB	\$166.50
AL-9V	9-Volt Battery	\$1.95



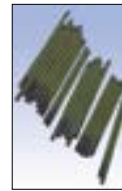
26-ES



18-ES



21-E



496/24



2-E



608-4



1235-18



2497/A-100



H-4



324CAS-0065



831



832



PC/KIT/USB



RH/T-S1



830-2

830-3

830-4

**Full line of Delmhorst Meters, Electrodes and Spare Parts available. Call for details.*



World Leader in Moisture Measurement Technology

WAGNER MOISTURE METERS

FORESTRY SUPPLIES

WAGNER MMI 1100 DATA COLLECT MOISTURE METER

For use by Quality Control, Quality Assessment personnel and inspectors. Designed for applications in either lumber producing or wood manufacturing markets, the MMI 1100 moisture meter is easy to use, easy to program and offers data collection and assessment capabilities in the palm of your hand. With its Extended Range Specific Gravity (SG) to measure both domestic and exotic woods, the MMI 1100 can scan and store up to 50 moisture content (MC) readings for QC data analysis. Provides the capability to review each reading, the High and Low readings and the Average of the stored readings. Measures from 5% - 30% moisture content of rough or finish grade wood and wood thicknesses from .75 inches to 1.5 inches. Offers press/hold feature that "holds" a reading on the display until reset. Allows user to program the correct species setting, eliminating the need to refer to wood species correction tables after taking readings. Note: Verifiable with Calibration Block (sold separately).



MMI1100\$490.00 each

WAGNER BI2200 BUILDING INSPECTION MOISTURE METER

Specifically designed for the building or home inspector, the BI2200, using state-of-the-art electromagnetic wave technology, provides a non-invasive tool for measuring a wide range of materials including wood, synthetic stucco, plaster, drywall, insulation materials, ceramic tile, shingles, linoleum, concrete and more. The BI2200 provides a general comparison moisture indication for inspection applications that only require relative* moisture content (MC) readings. By establishing a known baseline dry MC relative reading on a building material, the BI2200 can then compare and pinpoint elevated MC problem areas or conditions. The BI2200 is programmable for numerous building materials and its two-button control makes one-handed operation simple. Easy to use and with a wide range of programmable building materials, the BI2200 is a reliable, state-of-the-art tool for the building or home inspection industry. *The BI2200 does not give precise MC percentages but is designed to provide a comparative relative MC reading for each material inspected in order to identify problem or potential problem areas in a building or a home.



BI2200\$345.00 each

CALIBRATION VERIFICATION BLOCK

The Calibration Verification Block is used to check the calibration of these specific handheld meters: MMC205, MMC210, MMC220, and MMI1100.



CB Calibration Block\$75.00 each
CVB Calibration Block w/certificate.....\$95.00 each

WAGNER MMC 205 DIGITAL SHOPLINE MOISTURE METER

Ideal for small wood working shops, home hobbyists, floor installers. Measures common softwood and hardwood species 5% -20% moisture content and is best suited for wood thicknesses from .75 to 1.5 inches. Programmable species settings allows you to select species settings, eliminating the need to refer to manual correction tables. Virtually unaffected by temperature or surface moisture. You can use this meter for applications that do not require moisture measurement to the tenth-of-a-percent precision. Note: Verifiable with Calibration Block (sold separately).



MMC205\$280.00 each

WAGNER MMC 210 DIGITAL PROLINE MOISTURE METER

Ideal for wood flooring and woodworking applications that specify common softwood and hardwood species and harder tropical species. Used by flooring installers or manufacturers, cabinet or furniture manufacturers, inspectors or lumber suppliers, it offers a complete and portable moisture meter that is easy to use and easy to adjust. With the two-button controls it makes one-handed operation simple. With the Press and Hold Feature you can take the MC reading and the display holds the reading once the meter is removed, allowing you to quickly and easily retain MC readings. Measures from 5% -30% moisture content and thicknesses from .75 in to 1.5 in. Note: Verifiable with Calibration Block (sold separately).



MMC210\$375.00 each

WAGNER MMC 220 EXTENDED RANGE MOISTURE METER

For flooring installers or manufacturers, cabinet or furniture manufacturers, inspectors or lumber suppliers, the MMC 220 is ideal for measuring wood moisture in all species; from rare tropical species to more common softwoods and hardwoods. IntelliSense Technology ensures that the MMC220 is measuring deeply in the wood for a true moisture picture without damage to the wood surface and without interference from surface moisture. Two-button controls make one-handed operation simple and there is no need to adjust moisture content (MC) reading for temperature. Measures from 5%-30% MC and is best suited for wood thicknesses from .75 to 1.5 inches. Lightweight, easy to operate, and with an extended SG capability, the quick and accurate MMC 220 is the best all-purpose moisture meter on the job. Note: Verifiable with Calibration Block (sold separately).



MMC220\$395.00 each

WAGNER MOISTURE METERS

WAGNER C575 CONCRETE ANALOG MOISTURE METER

Provides initial indication of moisture condition in concrete. Depth of measurement is .75 inches. Protective coating on sensor plate. Designed for flooring installers, contractors, and inspectors. The C575 concrete moisture meter provides relative readings on concrete slabs and is used as a qualitative quick scan test to determine the most appropriate areas to place true quantitative tests. The C575 meter gives a general moisture indication to 3/4". Calibration Block not necessary – Can be verified without the calibration block.



C575 \$315.00 each

WAGNER L620 DIGITAL MOISTURE METER

The L620 Moisture Meter stores up to 500 individual moisture readings. The L620 is factory supplied with 32 common species, but can be customized to allow for changes in regional calibration. Moisture readings can be stored in up to 5 different groups for comparison of average moisture content, standard deviation, and minimum/maximum moisture contents. Features one touch operation and shuts off automatically in one minute. An easy to read LCD screen features a full function two-line, 32 character display. The L620 can operate accurately in virtually every wood-drying and processing environment. Like all Wagner handheld moisture meters, the L620 measurement accuracy is virtually unaffected by wood temperature. Scans area 2.5" x 2.5 and quickly scans whole boards. Includes calibration verification block.



L620 \$1,040.00 each

WAGNER L622 DIGITAL RECORDING MOISTURE METER

Stores and displays up to 32 user-selected species adjustments by name, and these can be customized by the user. Takes up to 5,000 separate moisture readings. Stores readings in up to 200 easily organized groups for comparison of average moisture content, standard deviation, and minimum/maximum moisture contents. Built-in real-time clock/calendar. Using nonvolatile memory, the L622 will retain the stored readings even when the batteries are removed. The easy-to-read backlit LCD screen features a two-line, 32-character display. Function buttons and scroll arrows operate a menu system that guides the user step by step through the selecting, storing, and reporting process. The unit has a meter auto-shutoff to extend battery life as well as a low-battery indicator. It can operate accurately in virtually every wood-drying and processing environment. Like all handheld moisture meters by Wagner Meters, the L622 measurement accuracy is virtually unaffected by wood temperature. The L622 comes supplied with 32 factory-default species settings built-in that can be customized by the user. Every L622 Digital Recording Moisture Meter comes with Stat-Pak, a PC compatible software package that greatly expands record keeping and report generating capabilities.



L622 \$1,570.00 each

WAGNER L601-3 "QUICK SCANNING" MOISTURE METER

- Instant Readings
- Scans Area 2.5" x 2.5"
- Easy to read analog display
- Designed for rugged, fast scanning use
- Best suited for wood thicknesses .75" to 3.5"
- Auto shut-off after 1 minute
- Manual includes species adjustment tables



L601-3-DF Calibrated for Douglas Fir..... \$830.00 each

L601-3-SYP Calibrated for Southern Yellow Pine..... \$830.00 each

WAGNER L722 STACK PROBING SENSOR - AN ATTACHMENT FOR THE L622 HAND METER

When used in conjunction with the L622, you can easily check the moisture content of kiln packages and record your results for future comparison. Send reports directly to a printer, or data to the computer for advanced analysis. The L722 Stack Probe allows you to reach deep into stickered units of lumber. Takes multiple readings in minutes. Robustly designed, the L722 features a Probe hinge assembly that is resistant to breakage when over-stressed. A metal extrusion provides durability and ruggedness for mill environments. Leaf spring design ensures proper contact with the lumber for more accurate readings. The springs are user replaceable if damaged. Sensor Probe Head is easily detachable from the extrusion for field servicing.



722-26 Short, 26.75" Probe \$1,460.00 each

722-40 Long, 40.5" Probe \$1,480.00 each

L722 REPLACEMENT PARTS

10018 Spare Parts Kit \$105.00 each

(Includes 4 springs, 1 hinge, 2 probe end screws, 5 hinge screws and 1 Hex L-Key)

830-71202-001 External Coil Cord \$90.00 each

860-72201-001 Stack Probe Head, Long \$952.00 each

860-72201-002 Stack Probe Head, Short \$952.00 each

71472201-001 Replacement Springs Bag of 10 \$157.30 each

SPENCER® LOGGER'S TAPES

Spencer is the original loggers tape. The Spencer product line has been the industry standard for over 40 years, delivering performance day in and day out.

Features include:

- Automatic rewind
- Aircraft Aluminum case
- Open Reel design with gear drive
- Alloy steel main shaft
- Active bumper to cushion blade tip
- Variety of blade sizes and styles including English, English/Metric, All Metric, and Diameter



LENGTH ONLY TAPES:

- Feet, inches, 8ths on one side only



950	50' Tape.....	\$37.50 each
965	50' Refill Blade (1-5)	\$12.50 each
	50' Refill Blade (6+).....	\$11.65 each
975	75' Tape.....	\$49.50 each
985	75' Refill Blade.....	\$17.25 each
900	100' Tape.....	\$52.50 each
905	100' Refill Blade.....	\$25.50 each

COMBINATION TAPES:

- Feet, inches, 8ths on one side
- 120" diameter in 10ths on reverse side



950C	50' Tape.....	\$52.50 each
965C	50' Refill Blade.....	\$19.95 each
975C	75' Tape.....	\$66.95 each
985C	75' Refill Blade.....	\$26.95 each

COMBINATION TAPES:

- Feet, 10ths, 100ths on one side
- 120" diameter in 10ths on reverse side



950DC	50' Tape.....	\$50.95 each
965DC	50' Refill Blade.....	\$19.95 each
975DC	75' Tape.....	\$66.25 each
985DC	75' Refill Blade.....	\$26.25 each
900DC	100' Tape.....	\$73.95 each
905DC	100' Refill Blade.....	\$28.95 each

METRIC TAPES:

- Feet, inches, 8ths on one side
- 15M in M/CM on reverse side



950EM	50'/15M Tape	\$39.95 each
965EM	Refill Blade	\$16.95 each
950XL	66'/20M Tape	\$42.75 each
985XL	Refill Blade	\$17.95 each
975EM	75'/22M Tape	\$49.95 each
985EM	Refill Blade	\$20.95 each

METRIC TAPES (COMBINATION):

- Meters in M/CM on one side
- Diameter up to 500CM in CM/MM on reverse side



950ME	15M Tape	\$42.75 each
965ME	15M Refill Blade	\$17.95 each
900MED	30M Tape	\$76.95 each
905MED	30M Refill Blade	\$30.50 each

SPENCER® CHROME CLAD DIAMETER TAPE

- 3/8" Chrome-clad blade with black graduations
- 120" Diameter in inches/10ths on reverse side
- 35' Length in feet/10ths/100ths on one side
- Hand crank rewind
- Claw hook
- Plastic case



SP35DCR	35' Tape.....	\$40.95 each
945DCR	35' Refill Blade.....	\$23.95 each

SPENCER® YELLOW-CLAD DIAMETER TAPE

- 3/8" Yellow-clad blade w/ ring end
- 120" Diameter in inches/10ths on one side
- 50' Length in feet/10ths/100ths on reverse side
- Hand crank rewind
- Plastic case

SP50DC	50' Tape.....	\$28.95 each
965DC	50' Refill Blade.....	\$19.95 each

SPENCER® COMBINATION DIAMETER/LOGGERS TAPE CHROME-CLAD BLADE

- Heavy duty chrome-clad blade with claw hook
- 35' Length in feet/10ths/100ths on one side
- 120" Diameter in inches/10ths on reverse side
- Heavy duty yellow plastic case
- Automatic rewind



35DCRSX	35' Tape.....	\$41.25 each
945DCR	35' Refill Blade.....	\$23.95 each

TAPE GUARD HOLSTER

- Leather w/ 2" belt loops
- For use with logger's tapes



13002	\$8.75 each
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SPENCER® TAPE PARTS & ACCESSORIES

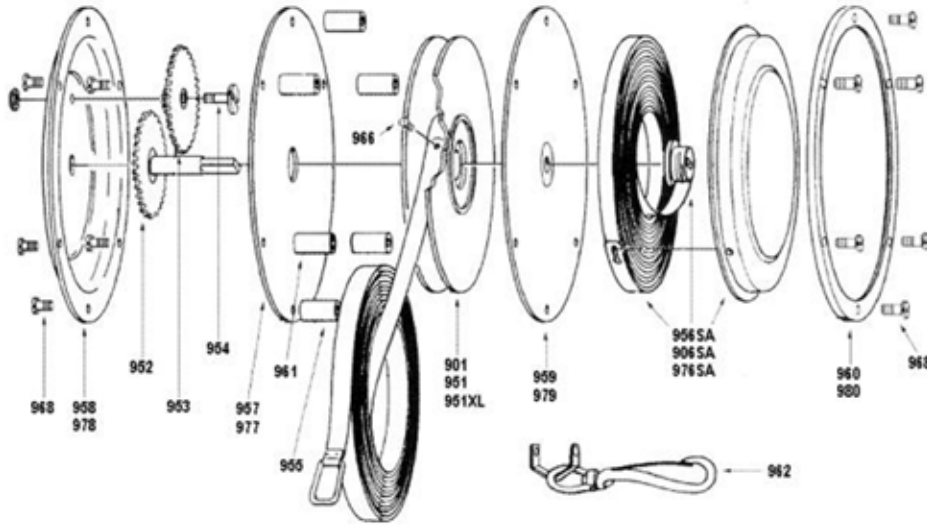


SPENCER® TAPE ACCESSORIES



963	Tape Nail	\$5.60 each
963C	Claw Hook	\$5.80 each
963HP	Horseshoe Nail	\$.70 each
963RN	Release Nail (Req. Hinge 970A).....	\$5.75 each
970	Loop & Hinge.....	\$1.45 each
970A	Hinge.....	\$.65 each
68L	Dymax Tape Repair End	\$6.05 each
<small>(19" long – includes end ring, shock stop and shrink tape for reinforcement)</small>		

PARTS LIST MODEL SERIES 950/975/900



PART DESCRIPTION		PART NUMBER & PRICE					
		950 TAPES		975 TAPES		900 TAPES	
1	Post Screw	968	\$.32	968	\$.32	968	\$.32
2	Gear Housing w/ Bearing	958	\$9.25	978	\$9.25	978	\$9.25
3	Main Shaft & Gear	952	\$7.50	952	\$7.50	952	\$7.50
4	Idler Gear & Pinion	953	\$5.05	953	\$5.05	953	\$5.05
5	Idler Bearing w/ Screw/Nut	954	\$3.50	954	\$3.50	954	\$3.50
6	Gear Cover Plate	957A	\$2.20	977	\$2.75	977	\$2.75
7	Nylon Guide Post w/ Screws	961	\$1.25	961	\$1.25	961	\$1.25
8	Spacer Post w/ 2 Screws	955	\$1.05	955	\$1.05	955	\$1.05
9	Tape Refill Screw	966	\$.32	966	\$.32	966	\$.32
10	Refill Blade	SEE INDIVIDUAL TAPES					
11	Spool w/ Pinion Gear	951	\$11.50	901	\$12.95	901	\$12.95
12	Spring Cover Plate w/ Bearing	959	\$4.15	979	\$5.50	979	\$5.50
13	Spring Assembly, Complete	956SA	\$14.75	976SA	\$16.50	906SA	\$16.95
14	Hanger & Swivel Clip	962	\$5.75	962	\$5.75	962	\$5.75
15	Locking Ring	960	\$2.75	980	\$3.55	980	\$3.55

DIAMETER TAPES

SPENCER® SCRIBNER DECIMAL SCALER

The model S60 is a lightweight and strong, automatic sealing tape. Automatic control locks the blade as it is extended; pressure on base controls return to case. Constructed with an attractive, tough, ABS case with belt clip. The S60 is 6' in inches with the Scribner Decimal "C" scale reading for long lengths of 12'/14'/16'/18'/20'/22'/24'.



S60.....\$16.95 each

SPENCER® POLE TAPE – 1/4" X 6'

- Used primarily by those who work with poles or pole timber
- Extra heavy chrome line with black markings
- Marked in consecutive inches to 8ths on one side
- Marked in diameter inches to 64ths on reverse side
- One measurement gives circumference & diameter by reading both sides
- Ring at one end, eye at other; no case
- Made in the USA



PT6.....\$19.95 each

5+.....\$17.95 each

SPENCER® PRO TAPE® DIAMETER TAPES

- Open reel design with gear drive
- Aircraft aluminum case
- Alloy steel main shaft
- Locking brake, folding engineer's hook, belt clip
- Active bumper to cushion blade tip on rewind
- Double side print blade



P/N	Size	Front – Graduations	Back – Diameter Graduations	Price
950CB	50' L – 120" D	Feet, Inches, 8ths	Inches, 10ths	\$55.75
950DCB	50' L – 120" D	Feet, 10ths, 100ths	Inches, 10ths	\$55.75
975CB	75' L – 120" D	Feet, Inches, 8ths	Inches, 10ths	\$71.25
975DCB	75' L – 120" D	Feet, 10ths, 100ths	Inches, 10ths	\$71.25
900DCB	100' L – 120" D	Feet, 10ths, 100ths	Inches, 10ths	\$74.50

SPENCER® PRO TAPE® REFILLS

P/N	Fits Pro Tape Part Number	Price
965C	950CB	\$19.95
965DCE	950DCB	\$16.95
985DCE	975DCB	\$26.95
985C	975CB	\$26.95
905DCE	900DCB	\$31.50



LUFKIN® CHROME-CLAD FINISH

76" Diameter in inches/10ths on one side, 20' linear in feet/10th/100ths on other side. Line 3/8" wide chrome-clad steel etched with black graduations. Each tape has claw hook, hand crank rewind and rugged vinyl covered steel case.



C120TP 50'.....\$71.25 each

LUFKIN® NUBIAN FINISH

3/8" wide line is black etched steel with raised bright steel graduations. 76" diameter in inches/10ths on one side. 20' linear feet in feet/10ths/100ths on reverse side. Each tape has claw hook, hand crank rewind and rugged vinyl covered steel case.



120TP 20'.....\$75.95 each

LUFKIN® EXECUTIVE® THINLINE TAPES

- Convenient for office, briefcase or pocket
- 1/4" x 6' easy to read blade
- Power retraction



W606 English.....\$16.95 each

W606ME Metric.....\$18.95 each

LUFKIN® EXECUTIVE® DIAMETER TAPES

- 1/4" x 6' (2m)
- Designed for measuring diameters of pipe, cable, tire or any circular object
- Polished chrome case
- Zero falls in the same place on each side of the blade; conversion from diameter circumference is made simply by turning the blade
- Yellow clad blade
- Easy to read bold graduations on yellow background
- Spring action returns blade to case



W606P Inches to 1/64ths.....\$15.95 each

W606PD 100ths.....\$17.95 each

W606PM Millimeters.....\$16.95 each

10' POCKET D-TAPE

- 10' Length in inches/16ths on one side
- 38" Diameter in inches/10ths on reverse side
- Yellow blade w/ black marking
- Automatic rewind
- Blade lock
- Bright orange plastic case



DT-10 (1-9).....\$11.25 each

10+.....\$9.75 each

DID YOU KNOW?
DBH is measured at a fixed height of 4.5 feet above the ground in the United States.

NELSON TREE MARKING GUNS

DT-105 NEL-SPOT TREE MARKING GUN (METAL)

The Nelson DT-105 dual trigger gun is a lightweight oil lubrication/tree marking gun. Very easy to use, and provides efficient and economical tree marking on spot shoot to lube points. Attaches directly to the Nelson Tree Marking Paint quart can or a delta thread quart can with 1-3/4" opening. Constructed of durable metal.

DT-105 \$274.95 each
 3+ \$257.95 each



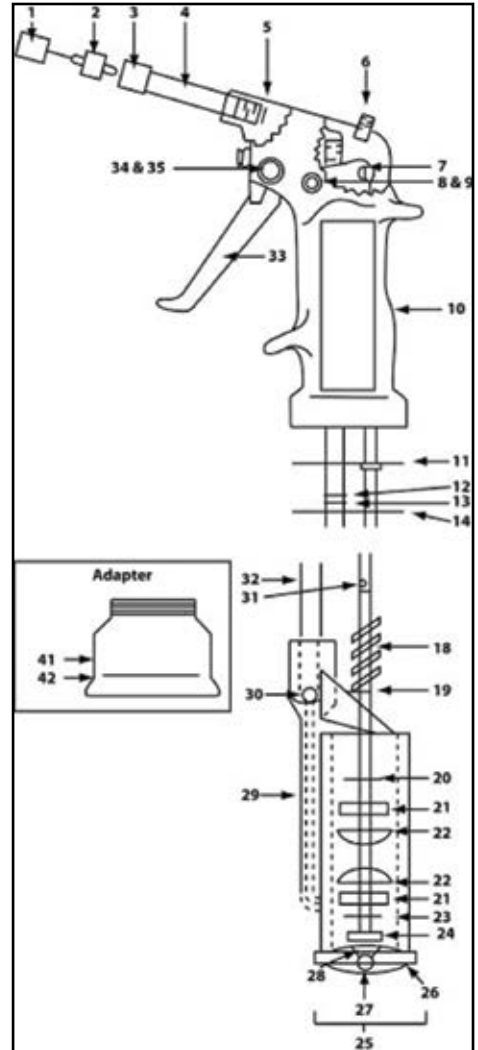
LT-104 NEL-SPOT DURA-BUILT TREE MARKING GUN (PLASTIC)

The Nelson Dura-built gun is the original lightweight dependable tree marking and light oil lubrication gun. It has the same parts as the DT-105 gun, but the body is constructed of lighter weight. Impact resistant plastic designed for winter comfort, or simply lighter weight for all day use. Comes attached with a plastic, heavy duty three-finger trigger.

LT-104 1-2 \$154.95 each
 3+ \$145.95 each



REPLACEMENT PARTS DIAGRAM



**See Next Page For Replacement Parts Chart*

WHAT'S NEW AT CSP?

www.cspforestry.com

REPLACEMENT PARTS

Ref. #	Part Number	Description	Price
1	HW-410	Cap Assembly	\$11.30
2	HW-59	Reversible Nozzle - .021 Orifice, Nickel Finish	\$7.50
	HW-60	Reversible Nozzle - .029 Orifice, Brass	\$7.50
3	HW-61	Retaining Sleeve	\$5.35
4	HW-51	Tube	\$5.35
5	SS-7312	Gasket	\$5.25
6	HW-42	Cap Holder	\$14.45
7	HW-417	Trigger Link	\$7.40
8	HW-15	Trigger Link Pin	\$2.70
9	HW-15-1	Retaining Ring	\$1.25
10	HW-43LT	Plastic Gun Body (LT-104)	\$50.30
	HW-43DT	Metal Gun Body (DT-105)	\$111.25
11	HW-413LT	Spacer Disc Assembly (LT-104 & DT-105)	\$3.85
12	SS-9837	Retainer	\$1.25
13	SS-2666	"O" Ring	\$1.25
14	1326E	Gasket (LT-104)	\$1.25
16	HW-414LT	Upper Piston Rod (LT-104 & DT-105)	\$7.40
17	HW-50	Lower Piston Rod	\$5.90
18	A-26-A	Spring	\$1.25
19	HW-13	Piston Rod Washer	\$1.25
20	HW-45	Washer	\$1.25
21	HW-46	Cup Leather Washer	\$1.25
22	HW-47	Cup Leather	\$2.10
23	SS-3672	Lock Washer	\$1.25
24	SS-700	Hex Nut	\$1.25
25	HW-411A	Intake Valve Assembly (includes 26-valve body, 27-steel ball and 28-spring)	\$11.70
26	HW-411	Intake Valve Body	\$10.40
27	SS-1552	Intake Valve Steel Ball	\$1.25
28	HW-26	Intake Valve Spring	\$1.35
29	HW-49	Metal Cylinder	\$68.70
	HW-49LT	Plastic Cylinder	\$25.15
30	SS-1550	Steel Ball	\$1.25
31	SS-595	Cotter Pin	\$1.25
32	HW-39LT-DT	Fluid Tube (LT-104 & DT-105)	\$10.05
33	HW-3LT	Trigger (plastic, three finger pull)	\$23.85
	HW-3	Metal Trigger (metal two finger pull)	\$60.00
34	HW-16	Trigger Pin	\$3.05
35	HW-16-1	Retaining Ring	\$1.25
41	N-201	Adapter Ring (D-103)	\$25.15
42	N-202	Adapter Gasket	\$1.25
43	HWA-602	Complete Letter Spray Nozzle (includes: 44-Housing, 45-Spring, 46-Cleaner, 47-Plug)	\$68.20
44	HWA-407	Housing	\$52.35
45	HW-27	Nozzle Spring	\$2.60
46	HWA-401	Nozzle Cleaner	\$18.45
47	N-203	Rubber Plug	\$1.35

IDICO TREE MARKING GUNS

IDICO TREE MARKING GUNS FOR QUART CANS

Fits quart size cans of tree and log marking paint. Reversible, self-cleaning, no drop nozzle shoots a fine pin stream. Can adapter is permanently attached to gun housing.

706A..... \$49.95 each



IDICO FILLER-PLUG GUN

Comes with a polyethylene tank that has a separate filler opening. This allows you to refill your tank without removing the paint gun. A plastic funnel is included. One quart tank is corrosion free and chemical resistant.

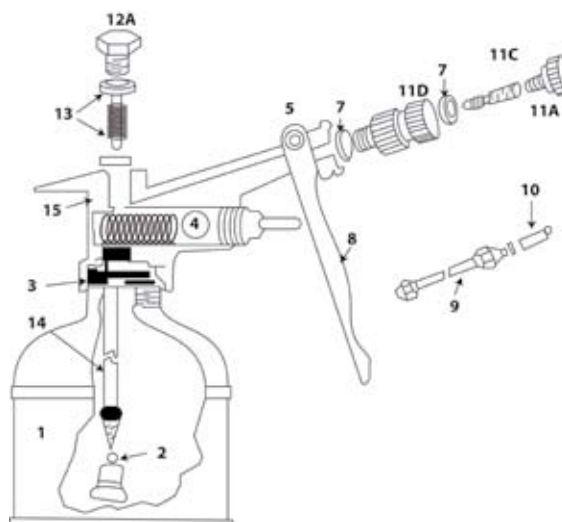
P1..... \$51.95 each



Did you know....
Idico Tree
Marking Guns
are proudly
manufactured in
the U.S.A!

IDICO GUN REPLACEMENT PARTS

P1-1	Quart Container P1, Plastic	\$16.95
I-2	Intake Housing & Screen Assembly	\$7.25
I-2A	Spring	\$1.15
I-2B	Ball Bearing	\$1.15
I-2C	Housing	\$3.80
I-3	Container Gasket	\$1.75
I-4	Valve Assembly Unit (Complete)	\$12.00
I-4A	Cylinder Spring	\$1.60
I-4B	Cylinder Gasket	\$0.85
I-4C	Piston and Cylinder (1 Unit)	\$6.25
I-4D	Valve Locknut	\$2.80
I-4E	Valve Stem	\$1.40
I-5	Trigger Pin	\$1.10
I-6	Trigger	\$4.25
I-7	Washer 1 Doz. (All Connections)	\$3.75
I-9	Straight Extension	\$6.25
I-9A	Brass Extension	\$7.95
I-11	Fog Blast Nozzle	\$8.25
I-11A	Large Opening (Not for B1)	\$1.75
I-11B	Fine Opening (Not for B1)	\$1.75
I-11C	Spiral Inserts	\$1.75
I-11D	Fog Nozzle Adapter	\$2.75
I-12	Valve Cap & Adapter	\$1.95
I-12A	Valve Cap	\$1.95
I-13	Top Ball Check Complete (Ball Bearing, Spring & Gasket)	\$3.50
I-14C	Intake Tube – P1	\$3.80
I-14B	Intake Tube – 706	\$3.80
I-15	Unassembled Casting (Spray Head Only)	\$39.95



TRECODER TREE MARKING GUNS

TRECODER® SPOT GUN

- 20% more output per stroke
- Stronger, reinforced trigger with "4 finger" trigger action. One squeeze, you've made your mark.
- High impact plastic handle for durability and long life
- Larger grip for easier handling and carrying
- Improved thread design grips handle more securely to ink container
- Heavier gasketing reduces leakage into handle
- Durable corrosion-resistant brass barrel
- .015 mesh screen located at bottom of foot valve prevents solids from clogging gun nozzle

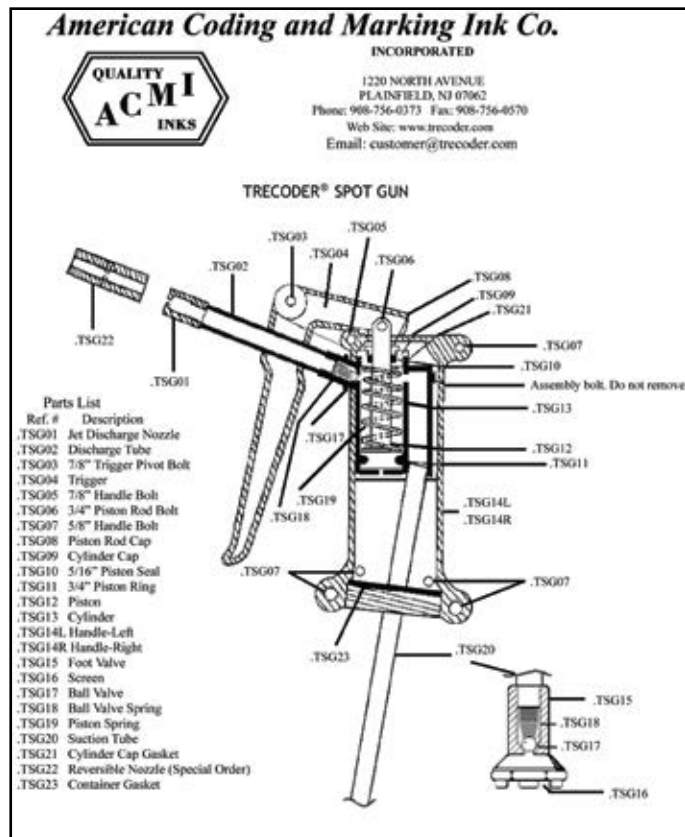


*Can now be used with water-based paints. Clean immediately after use.

- TSG25 Complete, w/ Spare Parts Kit.....\$118.95 each
 TSG25RN Complete, w/ Spare Parts Kit and features a reversible nozzle\$119.95 each

REPLACEMENT PARTS FOR TRECODER® SPOT GUN

01	Jet Discharge Nozzle	\$3.25
02	Discharge Tube	\$7.75
03	7/8" Trigger Pivot Bolt w/ Nut	\$.95
04	Trigger	\$8.25
05	7/8" Handle Bolt w/ Nut	\$.95
07	7/16" Handle Bolt w/ Nut	\$.95
06	3/4" Piston Rod Bolt w/ Nut	\$.95
08	Piston Rod Cap	\$5.95
09	Cylinder Cap	\$8.25
10A	5/16" O-Ring (Piston Seal)	\$2.75
11	3/4" O-Ring (Piston Ring)	\$2.75
12	Piston	\$14.25
13	Cylinder	\$22.50
14L	Handle-Left	\$9.95
14R	Handle-Right	\$9.95
15	Foot Valve	\$9.95
16	Screen	\$1.05
17	Ball Valves	\$.75
18	Ball Valve Springs	\$2.25
19	Piston Springs	\$4.75
20	Suction Tube	\$8.25
21	Cylinder Cap Casket	\$1.95
22	Reversible Nozzle	\$5.25
23	Container Gasket	\$3.00
24	Banding Nozzle	\$10.25
SCAPTCQT CAP	Cap For Quart Container	\$.55
TSG00	Spare Parts Kit	\$19.95



CUSTOMER NOTES:



TRECODER TREE MARKING GUNS

TRECODER® BACKPACK TREE MARKING GUN

With this easy to carry backpack unit, you can comfortably carry a full gallon of paint or marking ink with you. Complete unit includes spot gun, pack for 1 gallon container, hose, holster with belt and an extra suction tube for 1 qt. container.

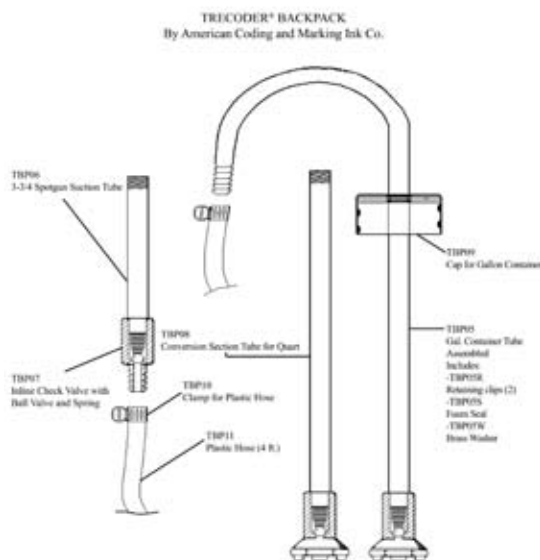
- Lightweight – 8-1/2 lbs. fully loaded with a gallon of ink.
- Rugged – ACMI's special impervious plastic container fits right into the tear resistant, nylon backpack.

TBP26 Complete, w/ Spare Parts Kit.....\$196.95 each
 TBP27 Without 1 qt. Suction Tube.....\$179.95 each



REPLACEMENT PARTS FOR TRECODER® BACKPACK SYSTEM

BTL02GAL	Gallon Container (Plastic)	\$6.65
BTL02QTS	Quart Container	\$4.75
TBP01	Pack for 1 Gallon Container	\$32.95
TBP02	Spot Gun Holster	\$17.50
TBP03	Holster Belt	\$7.50
TBP04	Spot Gun w/ 3-3/4" suction tube	\$119.95
TBP05	Gallon Container Suction Tube, Washer & 2 Retaining Clips	\$23.95
TBP05A	Adapter for Suction Tube	\$5.75
TBP05R	Retaining Clips (2)	\$1.45
TBP05S	Foam Seal	\$.25
TBP05W	Brass Washer	\$5.25
TBP06	3-3/4" Spot Gun Suction Tube	\$7.75
TBP07	Inline Check Valve w/ Ball Valve	\$9.75
TBP-8	Conversion Suction Tube for Quarts: includes Tube, Foot Valve, Ball Spring, Screen	\$21.95
TBP09	Cap only for Gallon Container	\$.50
TBP09M	Cap for Gallon Container, Modified for Suction Tube	\$5.75
TBP10	Clamp for Plastic Hose	\$2.50
TBP-11	Plastic Hose	\$7.50
TBP15WI	Suction Tube for Metal Gallon w/ Washers, Caps, Foot Valve	\$34.95
TBP16WI	Metal Cap for Metal Gallon Container Suction Tube	\$3.15



**SHOP ONLINE AT
 WWW.CSPFORESTRY.COM**

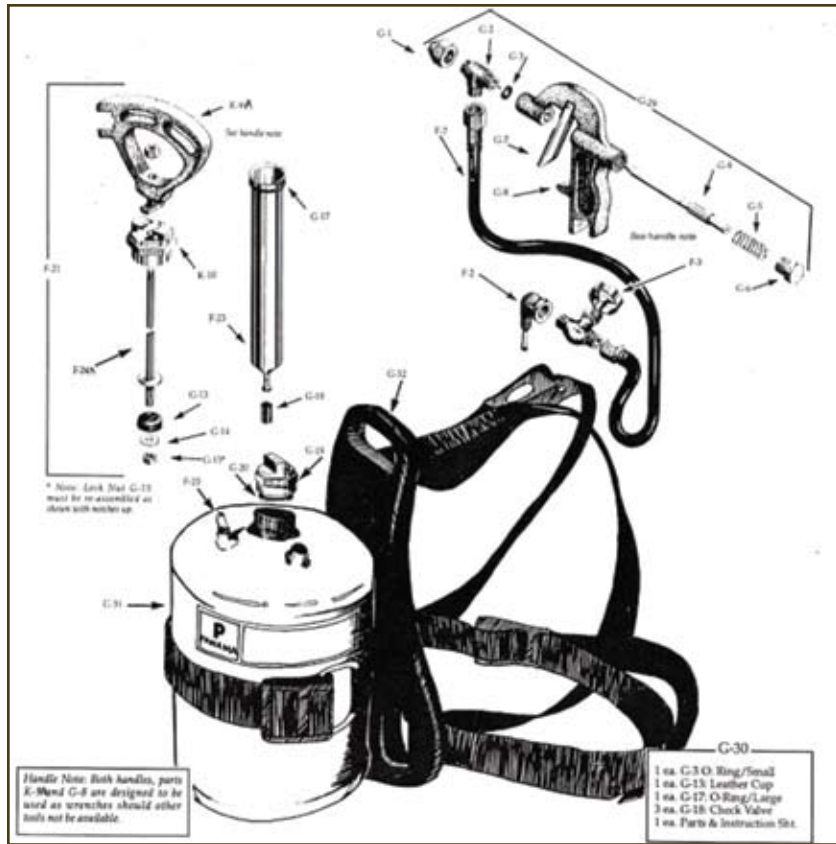
SERVING THE FORESTRY INDUSTRY SINCE 1990!

PANAMA TREE MARKING GUNS

PANAMA CYLINDRICAL TREE MARKING BACKPACK & GUN

- Backpack Carrier
- Higher tank pressure
- Mark Larger tracts of timber
- Larger Capacity (1.5 gallons)
- Use External air supply

03100 Mild Steel (Yellow)..... \$475.00 each
 03400 Stainless Steel (Orange)..... \$515.00 each



REPLACEMENT PARTS FOR CYLINDRICAL TANK

P/N	Description	Price
F-2	Elbow & Tail Pipe	\$21.95
F-3	Cut-off Valve	\$30.95
F-7	Hose (Coupled)	\$37.95
F-21	Hand Pump Assembly w/ Stem	\$175.95
F-23	Air Pump Barrel	\$49.95
F-24A	11-1/2" Stem	\$23.95
F-25	Air Valve	\$4.95
G1-3/64	3/64" Nozzle (standard)	\$14.95
G1-1/32	1/32" Nozzle (lettering)	\$14.95
G-2	Brass Tee	\$43.95
G-3	Small O-Ring	\$2.95
G-17	Large O-Ring	\$3.75
G-4	Plunger	\$36.95
G-5	Spring	\$8.50
G-6	Spring Nut	\$16.50

P/N	Description	Price
G-7	Trigger	\$10.95
G-8	Hand Piece Body	\$69.95
G-13	Leather Cup	\$11.75
G-14	Spreader Washer	\$2.75
G-15	Nut	\$2.95
G-18	Check Valve	\$2.75
G-19	Filler Cap w/ Air Valve	\$38.50
G-20	Filler Cap Gasket	\$4.35
G-29	Hand Piece Assembly	\$201.95
G-30	Repair Kit	\$22.95
G-31	Cylindrical Tank (Mild Steel)	\$178.95
G-40	Cylindrical Tank (Stainless Steel)	\$229.65
G-32	Back Pack Carrier w/ Straps and Buckle	\$77.95
K-9A	Aluminum Handle	\$39.95
K-10	Pump Nut w/ Lugs	\$47.95

PANAMA TREE MARKING GUNS

PANAMA ELLIPTICAL TREE MARKING GUN

- 2" Wide Padded straps
- Cut off valve on tank
- Self cleaning nozzle
- Lighter weight
- No wrenches needed
- 1 Gallon Capacity

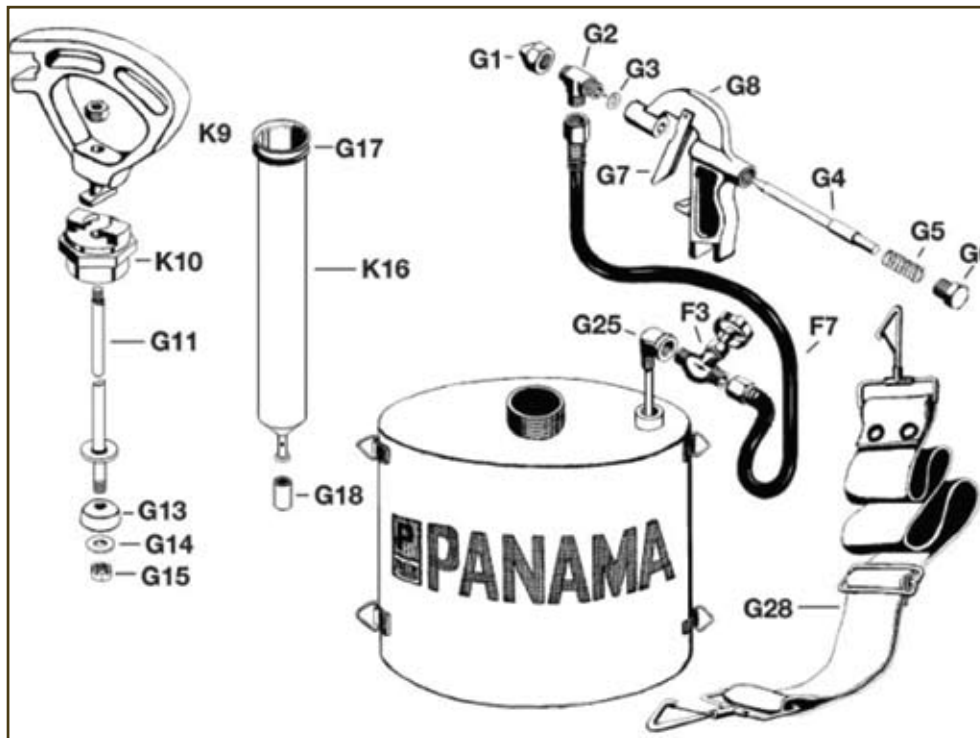
- 01100 Mild Steel (Yellow).....\$395.95 each
 02100 Stainless Steel (Orange).....\$445.75 each

G-33 CONVERSION KIT

Converts Elliptical to Cylindrical, Includes the following parts:

- F-2 Elbow & Tail Pipe
- G-31 Cylindrical Tank (Mild Steel)
- F-25 Air Valve
- G-32 Back Pack Carrier w/Straps & Buckle
- F-23 Pump Barrel, Long
- F-24A 11-1/2" Stem

- G-33 Mild Steel Tank.....\$357.95 each
 G-33A Stainless Steel Tank\$409.95 each



REPLACEMENT PARTS FOR ELLIPTICAL

P/N	Description	Price
F-3	Cut-off Valve	\$30.95
F-7	Hose	\$38.95
G1-3/64	Nozzle, 3/64" (Standard)	\$15.25
G1-1/32	Nozzle, 1/32" (Lettering)	\$15.25
G-2	Brass Tee	\$43.95
G-3	Small O-Ring	\$3.00
G-4	Plunger	\$36.95
G-5	Spring	\$8.75
G-6	Spring Nut	\$16.75
G-7	Trigger with Pin	\$10.95
G-8	Hand Piece Body	\$69.95
G-11A	Stem	\$23.75
G-13	Leather Cup	\$11.75
G-14	Spreader Washer	\$2.80

P/N	Description	Price
G-15	Nut	\$3.00
G-17	Large O-Ring	\$3.75
G-18	Check Valve	\$2.75
G-22	Hand Pump Assembly, Complete	\$173.95
G-23	Elliptical Tank Only – Mild Steel	\$153.95
G-24	Elliptical Tank Only – Stainless Steel	\$203.95
G-25	Elbow and Tail Pipe	\$21.50
G-28	Carrying Strap	\$14.50
G-29	Hand Piece Assembly, Complete	\$199.95
G-30	Repair Kit *See below for parts included	\$22.95
K-9A	Aluminum Handle	\$39.95
K-10	Pump Nut	\$47.95
K-16	Air Pump Barrel	\$47.85

*G-30 Repair Kit includes: (1) G-3 O-Ring, (1) G-13 Leather Cup, (1) G-17 O-Ring, (3) G-18 Check Valves, Parts & Instruction Sheet

NELSON SUPER-SPOT TREE MARKING PAINT

- Used for all types of trees in all types of climates
- High visibility – even small marks can be seen at a distance
- Longevity – 4-6 years
- Lead free
- Gallon Cans packed 4 to a case
- Quart Cans packed 24 to a case



GALLON SIZED CANS

PART #	COLOR	1-3	4-31	32+
2300A	Red Super	\$25.95	\$23.95	\$20.95
2301	Yellow Super	\$25.95	\$23.95	\$20.95
2302	Orange Super	\$25.95	\$23.95	\$20.95
2303	Blue Super	\$23.95	\$22.95	\$19.95
2304	White Super	\$23.95	\$22.95	\$19.95
2307	Green Super	\$23.95	\$22.95	\$19.95

QUART SIZED CANS

PART #	COLOR	1-11	12-119	120+
2300-Q	Red Super	\$9.50	\$9.25	\$8.25
2301-Q	Yellow Super	\$9.50	\$9.25	\$8.25
2302-Q	Orange Super	\$9.50	\$9.25	\$8.25
2303-Q	Blue Super	\$9.40	\$9.15	\$7.75
2304-Q	White Super	\$9.40	\$9.15	\$7.75

NELSON ECONO-SPOT TREE MARKING PAINT

- Used for a bright, economical, short-term mark
- Longevity – 2-5 years
- Lead free
- Gallon cans packed 4 to a case



GALLON SIZED CANS

PART #	COLOR	1-3	4-31	32+
2330	Red Econo	\$21.95	\$20.95	\$18.95
2331	Yellow Econo	\$21.95	\$20.95	\$18.95
2332	Orange Econo	\$21.95	\$20.95	\$18.95
2333	Blue Econo	\$21.95	\$20.95	\$18.95

NELSON BRUSH-TYPE BOUNDARY PAINT

- Ideal for any type of forestry marking
- Bright, long-lasting colors eliminate the need for remarking
- Longevity – 6-8 years
- Lead free
- Gallon cans packed 4 to a case



PART #	COLOR	1-3	4-31	32+
2920	Yellow	\$35.50	\$33.50	\$30.50
2930	Orange	\$35.50	\$33.50	\$30.50
2940	Red	\$35.50	\$33.50	\$30.50
2950	White	\$35.50	\$33.50	\$30.50
2960	Light Blue	\$31.95	\$29.95	\$26.95
2970	Light Purple*	\$35.50	\$33.50	\$30.50
2919	Light Green	\$31.95	\$29.95	\$26.95

*Purple Boundary paint provides landowners a means of posting their property as prescribed by legislation in Arkansas, Texas and Missouri.

NELSON AERO-SPOT TREE MARKING AEROSOL PAINT

- Comes in Aerosol cans so it does not require transfer to a tree marking gun
- Longevity – 4-6 years
- Lead free
- 12 oz. cans packed 24 to a case



STANDARD AERO-SPOT COLORS

PART #	COLOR	1-23	24-47	48+
A3241	Yellow	\$5.75	\$5.50	\$5.25
A3242	Blue	\$5.75	\$5.50	\$5.25
A3243	Orange	\$5.75	\$5.50	\$5.25
A3244	Red	\$5.75	\$5.50	\$5.25
A3145	Light Green	\$5.75	\$5.50	\$5.25
A3246	Black	\$5.75	\$5.50	\$5.25
A3247	White	\$5.75	\$5.50	\$5.25

FLUORESCENT AERO-SPOT COLORS

PART #	COLOR	1-23	24-47	48+
A3142	Blue Flo	\$7.65	\$7.25	\$6.75
A3144	Orange Flo	\$7.65	\$7.25	\$6.75
A3145FL	Green Flo	\$7.65	\$7.25	\$6.75
A3148	Pink Flo	\$7.65	\$7.25	\$6.75
A3149	Red Flo	\$7.65	\$7.25	\$6.75

Please Note: Longevity dates are supplied for suggested use only. There is no implied guarantee of this length of time. Longevity depends on the application, amount of paint used and exposure to the elements.

EMPTY QUART CANS

0032	1-11.....	\$4.50 each
	12+.....	\$3.95 each

PAINT BRUSH

- White Chinese bristles vulcanized in rubber
- double thickness
- smooth sanded handle with tin ferrule
- 4" wide.



1000A	1-5.....	\$3.40 each
	6-11.....	\$3.00 each
	12+.....	\$2.75 each



The Nelson Paint Company has more than 70 years of paint marking experience that goes into their tree marking paint products. Started in 1940, Nelson Paint continues as a third-generation family owned business.

Nelson Paint manufactures paint designed to withstand the harshest weather conditions, using formulas designed to survive blistering heat, arctic cold, bone-dry and super-humid conditions for any industrial application. Every Nelson Paint product is manufactured to provide the highest quality and best value.

MARKING PAINTS



BARK-MARK™ BOUNDARY MARKING PAINT

Bark-Mark™ Boundary Marking Paint is lead free. Alkyd enamel formulated to give a long lasting mark required by professionals when designating boundaries. This product will maintain its outstanding visibility for many years without reapplication. Apply with brush or spray.



GALLON CANS – PACKED 4 TO A CASE

Part #	Color	1-11	12-23	24+
N-6748	Blue	\$28.95	\$27.50	\$25.75
N-6749	Timber Teal	\$28.95	\$27.50	\$25.75
N-6750	White	\$28.95	\$27.50	\$25.75
N-6751	Blaze Orange	\$31.95	\$30.25	\$28.95
N-6752	Yellow	\$31.95	\$30.25	\$28.95
N-6753	Red	\$31.95	\$30.25	\$28.95

BARK-MARK™ WATER REDUCIBLE TREE MARKING PAINT

Bark-Mark™ is a unique alkyd emulsion meeting the high standards required by professional foresters. Excellent adhesion to all types of bark, outstanding color retention and water clean up puts this product a “mark” above all others. Engineered with a viscosity allowing easy trigger pull while also improving the paint’s natural ability to “hang” on the bark. Adaptable to Treocoder Spot Gun by request.



GALLON CANS – PACKED 4 TO A CASE

Part #	Color	1-11	12-23	24+
N-6732	Blue	\$19.95	\$18.50	\$17.35
N-6733	Blaze Orange	\$19.95	\$18.50	\$17.35
N-6744	Yellow	\$19.95	\$18.50	\$17.35
N-6754	Timber Teal	\$19.95	\$18.50	\$17.35
N-6755	Red	\$19.95	\$18.50	\$17.35
N-6756	White	\$19.95	\$18.50	\$17.35

SINGLE POCKET PAINT CARRIER

Holds 1 qt. sized can of tree marking paint or 2 aerosol cans. Sturdy Cordura® nylon. Belt Loop. 5-1/2" x 10" x 3-1/2"



PC1 \$10.95 each

RUDD TREE & LOG MARKING

Designed for Optimum Product Performance – high visibility marks that withstand the critical test of long term exposure. Controlled penetration rate gives you uniform, high visibility marks on any surface. The special resin and pigment system gives you long term durability and resistance to weathering from sunlight or moisture, and it’s water submergible too. It’s formulated and packaged to address today’s environmental concerns, while meeting the diverse marking requirements of the forest industry.



STANDARD RUDD MARKING COLORS

Part #	Color	1-11	12-35	36+
91-627	Orange	\$5.35	\$4.95	\$4.65
91-628	Silver	\$5.35	\$4.95	\$4.65
91-629	Blue	\$5.35	\$4.95	\$4.65
91-630	Red	\$5.35	\$4.95	\$4.65
91-631	Black	\$5.35	\$4.95	\$4.65
91-632	White	\$5.35	\$4.95	\$4.65
91-633	Yellow	\$5.35	\$4.95	\$4.65
91-634	Green	\$5.35	\$4.95	\$4.65
91-655	Purple	\$5.35	\$4.95	\$4.65
91-775	Pink	\$5.35	\$4.95	\$4.65

RUDD HI-VIS FLUORESCENT MARKING

When you require the ultimate in super high visibility, Rudd Hi-Vis Fluorescent Marking aerosols give the result you need. Cold weather formula promotes trouble free spraying during winter months. High solids content gives you more paint for the marks. Packaged with a high delivery rate spray button, so you can mark fast and efficiently – from the first to the last spray.



Note: Fluorescent pigments are inherently susceptible to fading. For long term marking where superior weathering characteristics and color retention are required, use Rudd Tree & Log Marking paints.

FLUORESCENT RUDD MARKING COLORS

Part #	Color	1-11	12-35	36+
91-1509	Red/Orange Hi-Vis	\$6.65	\$6.25	\$5.75
91-1510	Orange Hi-Vis	\$6.65	\$6.25	\$5.75
91-1511	Yellow Hi-Vis	\$6.65	\$6.25	\$5.75
91-1512	Blue Hi-Vis	\$6.65	\$6.25	\$5.75
91-1513	Green Hi-Vis	\$6.65	\$6.25	\$5.75

3 POCKET PAINT CARRIER

Holds 3 1-quart sized cans of tree marking paint. Heavy-duty Cordura® nylon. Belt Loop. Colors may vary.



PC3 \$12.25 each
PC3-C Cordura Nylon \$14.95 each



COLORMARK PREMIUM PAINT

ColorMark paints are manufactured by Motip Dupli in Germany. Motip Dupli manufactures multi-purpose and environmentally friendly products in a working environment with a demonstrable ecological balance. All ColorMark aerosol spray paint products meet the U.S. government's national emission standards for aerosol marking paints under section 183 of the Clean Air Act and are registered at the Federal Environmental Protection Agency. Marks with ColorMark paint are weather-proof, withstand blistering heat, arctic cold, bone-dry and super-humid conditions and even adheres well with humid sub soil or in direct sunlight.

All Color Mark Paints ...

- Are frost-proof up to -4° F
- Feature a patented color ring on top of can simplifies identification of the paint color
- Are free of cadmium, lead and other heavy metals
- Are low odor
- Feature an environmentally neutral propellant
- Offer ease of use with optional metal spray grip

COLORMARK PREMIUM FORESTRY MARKING PAINT

Ideal for use in marking trees, labeling lumber logs, use at sawmills, marking cut trees for timber sales, streamside management zones and skid trails. Marks remain visible for long periods of time. Special writing spray nozzle allows perfect spray control for very fine lines. Self-cleaning valve empties 100%. Special 360° valve for usage in all sites and directions. Spray can volume is 13.4 ounces. Intensely bright paint color which remains visible for 2-3 years.

MD-316357	Orange Neon	\$8.95 each
MD-316364	Yellow Neon	\$8.95 each
MD-316371	Blue Neon	\$8.95 each
MD-316388	Green Neon.....	\$8.95 each

COLORMARK PREMIUM BOUNDARY PAINT

Ideal for color markings required to remain visible for a very long time, such as for marking private property, hunting bans and trespassing prevention. Especially equipped with a special broad-jet nozzle with wide spray patten for fast, efficient markings. Non-neon colors have 8 years durability. Self-cleaning valve empties 100%. Special 360° valve for usage in all sites and directions. Spray can volume is 13.4 ounces.

MD-315367	Orange	\$8.95 each
MD-315381	Blue.....	\$8.95 each
MD-315411	Purple	\$8.95 each
MD-407710	Red.....	\$8.95 each
MD-407703	Yellow	\$8.95 each

COLORMARK PREMIUM FORESTRY MARKING PAINT PERMANENT

Ideal for color markings that are required to remain visible for a very long time, such as marking leave trees, wildlife habitat and protection zones. Marks remain visible for long periods of time. Special writing spray nozzle allows perfect spray control for very fine lines. Self-cleaning valve empties 100%. Special 360° valve for usage in all sites and directions. Spray can volume is 13.4 ounces. Permanent: Non-neon colors for 8 year durability.

MD-XXXXXX	Permanent Orange	\$8.95 each
MD-XXXXXX	Permanent Blue.....	\$8.95 each
MD-XXXXXX	Permanent White	\$8.95 each
MD-XXXXXX	Permanent Black	\$8.95 each

COLORMARK METAL SPRAY GRIP



Powder-coated metal spray grip for use with COLORMARK Aerosol spray cans. Greatly reduces hand stress.

MD-647932	\$29.95 each
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COLORMARK BELT HOLSTER



High-quality leather holster holds one can of COLORMARK aerosol spray paint. Belt Loop.

MD-BELT HOLSTER	\$16.95 each
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AERVOE MARKING PAINTS

AERVOE TREE MARKING PAINT

Tree marking paint meeting marking requirements of the forestry industry.

- Fast drying
- Excellent adhesion
- Heavily pigmented to provide bright visual identification at a distance
- Lead free
- 16 oz. Aerosol cans



STANDARD AERVOE MARKING COLORS

Part #	Color	1-11	12-23	24+
610A	Red	\$3.95	\$3.60	\$3.35
620	Orange	\$3.95	\$3.60	\$3.35
630	Yellow	\$3.95	\$3.60	\$3.35
640	Green	\$3.95	\$3.60	\$3.35
645	Dark Green	\$3.95	\$3.60	\$3.35
650	Blue	\$3.95	\$3.60	\$3.35
660B	Black	\$3.95	\$3.60	\$3.35
670	White	\$3.95	\$3.60	\$3.35

FLUORESCENT AERVOE MARKING COLORS

Part #	Color	1-11	12-23	24+
688A	Green	\$4.25	\$3.80	\$3.50
690	Red	\$4.25	\$3.80	\$3.50
691	Pink	\$4.25	\$3.80	\$3.50
692	Orange	\$4.25	\$3.80	\$3.50
693	Yellow	\$4.25	\$3.80	\$3.50

AERVOE WET COAT TREE MARKING PAINT

Tree marking paint for use in wet conditions or in the rain. Mixes with the water in wet wood allowing the paint to penetrate deep into pores of lumber.

- Displaces moisture while the outer film is formed
- Penetrates deep into bark or wood grain for good adhesion
- Mark is highly visible and will withstand subsequent exposure to water
- Long lasting identification on natural bark or cut lumber
- 16 oz. Aerosol can



Part #	Color	1-11	12-23	24+
694	White	\$4.75	\$4.50	\$4.15
695	Blue	\$4.75	\$4.50	\$4.15
697	Red	\$4.75	\$4.50	\$4.15
698	Orange	\$4.75	\$4.50	\$4.15
699	Yellow	\$4.75	\$4.50	\$4.15

AERVOE SURVEY MARKING PAINT

Superior upside down marking paints that are designed to clearly and effectively mark the location of underground utilities. These solvent-based paints will mark almost any surface, including wood, concrete, asphalt, brick and gravel.

- | | | | | | |
|------|----------|--------|---------|-----|------------|
| 201 | Red | 207 | White | 222 | Orange Flo |
| 202 | Yellow | 210-CN | Silver | 224 | Green Flo |
| 203P | Blue | 212A | Purple | 226 | Yellow Flo |
| 229 | Pink Flo | 220 | Red Flo | 227 | Blue Flo |



206BLACK Black

- 1-11 Cans..... \$4.95 each
- 12-47 Cans..... \$3.95 each
- 48+ Cans..... \$3.55 each

EAGLE SPRAY PAINT

Eagle Spray Paint enamels are quick drying and economical. Provides a tough, durable finish on most interior and exterior surfaces. Applications: wood, metal, aluminum, wrought iron, hard plastic, and drywall. 16 oz. Can **\$2.45 each**

- | | | | |
|------|-----------------|------|------------------|
| 0180 | Aluminum | 0191 | Semi-Gloss Black |
| 0182 | Chocolate Brown | 0192 | Gloss White |
| 0184 | Fire Red | 0193 | Semi-Gloss White |
| 0185 | Orange | 0196 | Lemon Yellow |
| 0186 | Flat Black | 0198 | Malibu Blue |
| 0188 | Flat White | 0202 | Sherwood Green |
| 0190 | Gloss Black | 0205 | Gray |



ZYNOLYTE SPEED E-NAMEL®

A high quality, fast-drying paint for today's fast-paced life. A smooth, professional finish every time! For best results use with Zynolyte Multipurpose Primers. 16 oz. Can

- Fast drying - to touch in 15 minutes
- Rust preventative
- Hard finish

Applications: metal, plastic, wood, wicker, masonry, furniture, fences, bicycles, hobbies, crafts, garden accessories, cabinets, patio items, and tools. Fluorescent colors are four times brighter than other spray paints.

- Z308 Silver..... \$3.25 each
- Z407 Gold Metallic..... \$3.25 each
- Z1416 Fluorescent Green..... \$3.85 each
- Z1418 Fluorescent Red..... \$3.85 each
- Z1422 Fluorescent Orange..... \$3.85 each



ZYNOLYTE MULTIPURPOSE PRIMER

High quality, non-lifting primer ensures good adhesion with the top coat finish. 16 oz Can.

- Fast drying - to touch in 10 minutes
- Tough, sealing primer
- Bonds extremely well to bare metal surfaces
- Fills in grain and surface imperfections on wood surfaces
- Prevents rust and corrosion
- Enhances the quality of any finish

Applications: metal, wood, rigid plastic, machinery, motors, shelving, bicycles, appliances, furniture, and automotive body parts.



Part #	Color	1-11	12-47	48+
128	Gray	\$3.60	\$3.10	\$2.65
135A	Red Oxide	\$3.60	\$3.10	\$2.65

SEYMOUR TREE & INDUSTRIAL MARKER

A unique water-base spray paint marker designed for marking trees, grading steel, identifying lumber, mine marking and other industrial uses where color coding is desired (required). Formulated to produce a highly visible mark with a narrow, concentrated spray. Its water-base formula reduces the flammability hazard and potential damage to trees, but the paint is not water soluble. The can requires less shaking to mix the paint than most heavily pigmented paints and will not clog the spray head. Comes in a 16 oz. Aerosol can.



Part #	Color	1-11	12-47	48+
16-604	Flat White	\$3.25	\$3.10	\$2.95
16-616	Flat Red	\$3.25	\$3.10	\$2.95
16-618	Flat Blue	\$3.25	\$3.10	\$2.95
16-620	Flat Green	\$3.25	\$3.10	\$2.95
16-622	Flat Yellow	\$3.25	\$3.10	\$2.95
16-624	Flat Orange	\$3.25	\$3.10	\$2.95

SEYMOUR ECONO-MARK

A permanent, economy marking paint for the petrochemical, forestry, lumber industries and other industrial uses. Specially designed spray head makes it quick and easy to write, spot or line mark on pipes, trees, logs, lumber, steel, etc. The water base formula provides reduced flammability, high opacity and non-clogging benefits, and yet the paint is long lasting and will not wash away with water. (12) 16 oz. cans per case. Colors Available:



- 16-2002 White
- 16-2003 Black
- 16-2004 Red
- 16-2088 Green
- 16-2034 Yellow
- 16-2035 Dark Blue

1-23.....	\$3.95 each
24-47.....	\$3.75 each
48-143.....	\$3.50 each
144+.....	\$3.25 each

SEYMOUR-INVERTED TIP MARKING PAINT

Stripe Inverted Tip Marker (upside-down marker) is a heavy-duty, industrial paint with a water base formula that is fast drying, durable and non-clogging. The paint is not soluble in water and will not wash away. Available in the full range of OSHA and American Public Works Association approved colors, the Inverted Tip Marker is excellent for use in marking construction and excavation sites, underground utility lines and traffic safety. Because of its water based formula, it can be used on lawns without damaging grass. Comes in 20 oz. cans



- Non-clogging, fast drying formula
- Bright, vivid lines
- Lower flammability
- All colors-lead free

20-631	Clear Lacquer	20-668	Green Flo
20-652	White	20-669	Blue Flo
20-653	Precaution Blue	20-671	Red
20-654	Red Flo	20-676	Hi-Vis Yellow
20-657	Orange Flo	20-678	Utility Yellow
20-658	Red/Orange	20-679	Pink Flo
20-663	Black	20-680	Purple

1-11.....	\$3.65 each
12-47.....	\$3.15 each
48+.....	\$2.85 each

SHOP PAINT ONLINE @
WWW.CSPFORESTRY.COM

Seymour Inverted Tip Marking Paint can be used with the following Marking Equipment:



Z-605	Marking Gun (hand held).....	\$41.25 each
Z-606	Marking Wand (1 wheel)	\$45.25 each
Z-13	Aerosol Can Trigger.....	\$7.95 each

RUST-OLEUM MARKING PAINTS



RUST-OLEUM® INVERTED MARKING PAINT

A general purpose inverted marking paint. Use for marking concrete, pavement, gravel, grass and more. Ideal for marking the location of underground utilities at construction and excavation sites where identification is desired.

- 203036 Orange Flo
- 1861838 Pink Flo



- 1-11.....\$4.95 each
- 12-47.....\$4.25 each
- 48+.....\$3.95 each

RUST-OLEUM® HIGH PERFORMANCE AEROSOLS

Rust-Oleum® High Performance aerosols apply easily and dry fast to a tough, attractive, corrosion resistant finish featuring superior coverage, color and gloss retention. Resist chipping, cracking and peeling.



- V2115838 Silver Aluminum.....\$6.95 each
- V2187838 Dark Machine Gray.....\$6.95 each

RUST-OLEUM® ALKYD ENAMELS

Designed for indoor and outdoor steel surfaces in mild to moderate industrial environments. Excellent resistance to general weathering, salt air, mild chemical fumes and light abrasion. Not for use on galvanized steel. Can be applied direct-to-metal (DTM).



- 904402 Machine Tool Gray.....\$42.95 each
- 944402 Safety Yellow.....\$42.95 each
- 956402 Safety Orange.....\$42.95 each
- 975402 Navy Gray.....\$42.95 each
- 964402 Safety Red.....\$42.95 each

RUST-OLEUM® INDUSTRIAL CHOICE AEROSOLS

Fast dry, multi-purpose, modified-alkyd enamel aerosols for everyday indoor/outdoor industrial applications. Dries fast, in 12 minutes or less. High-solids content provides faster, further coverage. Protects against chipping, fading and peeling. Higher gloss than lacquer-based aerosols. Excellent performance for both interior and exterior general purpose applications with much better solvent resistance than lacquer-based aerosol finishes.



PRIMERS

- 1667830 Red Primer.....\$4.95 each
- 1680830 Gray Primer.....\$4.95 each

ENAMELS

- 1622830 Regal Blue.....\$4.95 each
- 1660830 OSHA Red.....\$4.95 each
- 1666830 Banner Red.....\$4.95 each
- 202211 Machine Green.....\$4.95 each
- 1644830 Safety Yellow.....\$4.95 each
- 1653830 OSHA Orange.....\$4.95 each
- 1679830 Glossy Black.....\$4.95 each
- 1632830 Green Flo.....\$4.95 each
- 1688830 Smoke Grey.....\$4.95 each

RUST-OLEUM OVERALL ALUMINUM ENAMEL SPRAY PAINT

- Indoor/Outdoor
- Economical, fast-drying industrial enamel spray
- Great for a variety of spray paint needs where durability and long-term quality are not required



- V2412.....\$2.95 each

DID YOU KNOW...

Spray technique can have a significant effect on exposure to the paint and its components. To minimize exposure, keep in mind the following tips from experienced markers:

- First and foremost: pay attention to the wind direction.
- Work towards the upwind direction to keep exposure to vapors and mist to a minimum.
- Make stump marks first to avoid bending over and coming in contact with mist from the trunk mark.
- Do not stand further than 5 feet from the tree.
- The closer the marker is to the tree, the less paint is suspended in the air, and more is applied to the tree. Less paint is wasted and there is not a haze of paint mist in the air that increases exposure to vapors and other paint ingredients.
- Pulling the trigger too fast and too hard increases the paint velocity and tends to break up the stream and cause misting

TIPS COURTESY OF UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE – TECHNOLOGY & DEVELOPMENT PROGRAM



BARK SHIVERS & AXES



IN SHAVE

- 5" blade, curved to fit the shape of a log or tree with 6" kiln dried ash handles



49961 \$59.95 each

DRAW SHAVE

- High quality 8", 10" or 13" straight blade with 6" kiln dried ash handles
- Made in the USA



49941 8-1/2" blade \$57.25 each
 49931 10" blade \$56.75 each
 49951 13" blade \$92.50 each

CURVED BLADE BARK SCRAPER

Designed to keep your hands out of the way while shaving bark, the handles are curved up away from the blade. It features a 9" x 1-1/4" cutting edge and blue plastic handle. 16" overall length.



10035 \$66.95 each

FOLDING TREE SCRIBE

- Features a folding blade and metal hand guard
- 8" Open, 5" closed
- Cutting width of .275"



TS-2 \$70.95 each

TREE SOUNDING/SPORTSMAN'S AXE

- Compact size, perfect for "sounding" trees
- Can be carried in your vest or jacket pocket
- 8 oz. head, 2-1/4" blade, 10" handle
- Vinyl Sheath



333-01 \$21.95 each



TIMBER TUFF DRAW SHAVES

- Sharpened blade
- Comfortable wood grip handles
- Includes blade protector
- Great for debarking logs and firewood



TMB-05DC



TMB-08DS

TMB-05DC 5" Curved \$20.95 each
 TMB-08DS 8" Straight \$22.25 each
 TMB-10S 10" Straight \$28.00 each
 TMB-13DS 13" Straight \$29.75 each



PLUMB 24 OZ EXPERT SHINGLING HATCHET

- Full-polished head
- Adjustable gauge
- Checkered face
- Draw knife inner blade
- Hickory handle with leather strap
- Permabond® construction between head and handle



11558 \$34.95 each



ESTWING LEATHER SPORTSMAN'S AXE

This axe is forged in one piece with a genuine leather grip. Includes an embossed leather sheath.



E14A 12" Overall, 2-3/4" Cutting Edge \$37.95 each
 E24A 14" Overall, 3-1/4" Cutting Edge \$38.95 each

ESTWING CAMPER'S AXE

This axe is forged in one piece steel with exclusive Shock Reduction Grip®, and it comes with an embossed leather sheath.



E44A 16" Overall, 4" Cutting Edge \$46.95 each
 E54A 26" Overall, 4" Cutting Edge \$50.95 each

ONTARIO KNIVES

ONTARIO TRADITIONAL MACHETES

Features a 1095 carbon blade, zinc phosphate finish, full tang construction, shatterproof handles, and steel compression rivets. Made in the USA.



- OK8295 CT1, 12" Traditional Cutlass \$21.95 each
- OK8297 CT2, 18" Traditional Sawback \$26.95 each
- CT5 CT5, 22" Traditional Machete \$24.95 each

ONTARIO D HANDLE MACHETES

1095 high carbon steel blade available in three lengths. Blade is .125" thick and is black oxide coated. One piece, handguard handles, custom blended polymer construction with three compression rivets. Made in the USA.



- BC12 12" Camper Machete, Orange Handle \$19.95 each
- BC18 18" Field Machete, Orange Handle \$23.95 each
- BC22 22" Heavy Duty Machete, Orange Handle..... \$26.95 each
- OK8510 12" Camper Machete, Black Handle..... \$19.95 each
- OK8514 18" Field Machete, Black Handle \$23.95 each
- OK8520 22" Heavy Duty Machete, Black Handle..... \$26.95 each

ONTARIO MACHETE SHEATHS

Made of Denier nylon packcloth with heavy canvas liners. 3/4 eyelets and 2 rivets at top. Web belt loop.



- BSH12 For 12" Machetes \$9.95 each
- BSH18 For 18" Machetes \$10.75 each
- BSH22 For 22" Machetes \$10.95 each

ONTARIO MILITARY ISSUE MACHETES

Shatterproof blade is made of 1095 carbon steel .125" thick, treated with black oxide coating. Handle is flame resistant thermaset plastic with 3 steel compression rivets. Thong hole on handle end. Made in the USA.



- 1-18 18" Blade, plain edge..... \$22.95 each
- 1-18SBK w/12" long serrations on spine..... \$23.95 each

ONTARIO SP8 SURVIVAL MACHETE

Premium quality machete for superior cutting, sawing, prying and comfort. Handle is made of comfortable durable Kraton – lanyard included. 10" blade is made of 1095 carbon steel, epoxy powder coated. Blade thickness is .250". Double milled sawteeth for superior cutting, flat end for prying. Sheath included – durable Cordura and leather wrap construction for extra strength. Side loading with 4 snaps. Leather belt strap with swivel ring. Tie down cord for strapping the sheath to your leg is included. Made in the USA.



- SP8..... \$58.95 each

ONTARIO SK5 BLACKBIRD KNIFE

The award winning Black Bird series was designed by custom designer and sheath-maker Paul Sheiter for maximum performance with an elegant simplicity and the signature elements of a center point blade, straight back profile and a flat heel for maximum utility. Featuring high quality 154 CM stainless steel and black micarta handle, the Black Bird variants come in either a silver finish or with a special operations capable (SOC) powder coating for added durability. All Black Bird models include a MOLLE compatible sheath. Blade Length: 5", Overall Length: 10". Made in the USA.



- OK7500 Blackbird Knife, Silver Finish \$145.95 each
- OK7500PC Blackbird Noir Knife, Black Finish..... \$145.95 each

ONTARIO RTAK II KNIFE

Featuring 5160 Carbon Steel, the RAT's make the ideal fixed blade. Use for "every day carry (EDC)" or for the work site, campground or down range. Black powder coat blade finish, tan micarta handle. Includes Black Nylon Sheath. Blade Length: 10.5", Overall Length: 17". Made in the USA.



- OK8628 Plain Edge..... \$110.50 each
- OK8629 Serrated Edge \$112.25 each

ONTARIO OKC CHIMERA

With a blade that's .2 inches thick and nearly 8 inches long, broad serrations and a D2 steel, glass breaking butt cap, this knife is almost as imposing as it is versatile. Rated for any emergency situation from automobile accident to apocalypse; reach for your Chimera and survive. 1095 Carbon Steel Blade, Kraton Handle. Overall Length: 13.625". Made in the USA.



- OK6515 \$102.85 each

COLD STEEL TWO-HANDED MACHETE

A long polypropylene handle and tough 1055 Carbon steel blade give you the leverage to cut down small trees as well as thick brush and tangled vines. Weighing just under two pounds and measuring 32" in overall length, it's light enough to be swung with either one or both hands.



- 97THM..... \$31.95 each

Shop the full line of Ontario knives at our online store: Ontario-Knife-Store.com



MINI HAND HATCHET

This little hatchet has a 2-1/2" cutting edge, a 10" hickory handle and weighs only about 12 oz. The hatchet comes with a grain-leather sheath.



GB410 \$146.00 each

SMALL FOREST AXE

Features a 3-1/4" face and a 19" hickory handle. Axe head weighs 1-1/2 lbs and includes a grain-leather sheath.



GB420 \$125.00 each

SPLITTING MAUL WITH COLLAR GUARD

Head weighs 5-1/2 lbs and has a 2-1/2" face. Hickory handle is 31", has circular grooves at the grip, a steel collar near the head, and comes with a grain leathersheath.



GB450 \$180.00 each

WILDLIFE HATCHET

The Wildlife Hatchet is a traditional scouting and camping axe, with the same head as the Hand Hatchet but on a longer handle. This longer handle lends the axe more power, not less when felling trees. Practical for carrying in your rucksack when you need a small axe with plenty of power. The axe is capable of lopping off quite large branches or splitting small logs for the campfire. The shape of the sheath, which covers the edge and the top part of the poll, stops the axe head cutting into your rucksack. Overall length: 13.5"



GB415 \$115.00 each

HUNTER'S AXE

The Hunter's Axe is specially made for the hunter, and is great for chopping wood and meat. The axe has a rounded 'flay poll' for use when skinning an animal. (An axe with an ordinary straight poll with sharper corners can easily damage the hide.) The grip of the handle has circular grooves which give a steady grip even if your hands are wet or sticky. Overall length: 18.5"



The Gransfors Hunter's Axe is a winner of the Excellent Swedish Design award.

GB418 \$175.00 each

GRUTZ RUST & ODOR INHIBITOR

Heavy -duty, low odor rust and corrosion inhibitor. Stops rust, coats and protects. Great for axes, knives, shovels and any metal tools.



LC100-R 4 oz bottle. \$4.95 each

SCANDINAVIAN FOREST AXE

The Scandinavian Forest Axe is a more professional axe, ideal for felling larger trees and for de-limbing a felled tree.



The axe is forged to a curved bit, making it suitable for cutting into fresh, resinous wood such as spruce or pine. The long handle also gives more power to the cut. Overall length: 25"

GB430 \$135.00 each



COUNCIL TOOL VELVICUT® 2# HUDSON BAY AXE

This 2# Hudson Bay Premium Velvicut® axe is a shape and size ideal for any camping, hunting or hiking expedition.



Forged from 5160 alloy steel, and it will outlast any user – guaranteed! 2# head plus the wood handle combines for an overall tool weight of approximately 2-3/4 lbs. 19" Hickory Handle

JP20HB19C..... \$136.95 each

COUNCIL TOOL VELVICUT® 4# DAYTON FELLING AXE

This 4# heirloom American felling axe features a timeless Dayton pattern and is much preferred by skilled woodmen for a full-sized felling axe.



Forged from 5160 grade alloy steel for strength, toughness, durability and the ability to hold an edge. Heat treated and quenched to produce a hardened edge extending 1-1/2 inches up the bit for maximum edge holding. The edge is tempered to Rc 52-56 to hold an edge without becoming brittle. Head has a lifetime guarantee. 36" Handle is made of grade "A" American hickory. Includes premium leather sheath. Hand-honed to a razor sharp edge, this axe and all of it's components are made in the USA.

JP40DV36C \$186.25 each

AXES/BRUSH CLEARING

PENOBSCOT BAY KINDLING AXE

1-3/4 lb. head, 18" hickory handle, leather sheath



- 011S Axe..... \$54.95 each
- 011H Replacement Handle \$29.50 each
- 011G Replacement Sheath..... \$14.50 each

HUDSON BAY CAMPING AXE

1-3/4 lb. head, 24" hickory handle, leather sheath.



- 012S Axe..... \$64.95 each
- 012H Replacement Handle \$29.50 each
- 012G Replacement Sheath..... \$14.50 each

OUTDOORSMAN'S BELT AXE

1-1/4 lb. head, 15" hickory handle, leather sheath



- 014S Axe..... \$47.95 each
- 014H Replacement Handle \$29.50 each
- 014G Replacement Sheath..... \$14.50 each

"OUR BEST" 3-1/2 LB. SINGLE BIT AXE

3-1/2 lb. head, 30" hickory handle, leather sheath



- 026S Axe..... \$59.95 each
- 026H Replacement Handle \$29.50 each
- 026G Replacement Sheath..... \$14.50 each

2-1/4 LB. SINGLE BIT AXE

2-1/4 lb. head, 28" hickory handle, leather sheath



- 016S Axe..... \$54.95 each
- 016H Replacement Handle \$29.50 each
- 016G Replacement Sheath..... \$14.50 each

CARLTON CLEARING SAW BLADES

Made of Swedish steel and exceed all international standards for durability and safety. Rated to 13000 RPM's, clearing saw blades feature a ground edge and can easily be re-sharpened with standard chainsaw files. 9" Diameter-.75"/20mm Arbor – 24 Teeth



- MAXI-225-20 \$15.95 each
- 10+ \$14.95 each



SNOW & NEALLEY



8 LB. SPLITTING MAUL

8 lb. head, 30" hickory handle, leather sheath



- 950S Axe..... \$75.95 each
- 950H Replacement Handle \$29.50 each
- 950G Replacement Sheath..... \$14.50 each

3 LB. MINI MAUL

3 lb. head, 18" hickory handle, leather blade guard



- 952S Axe..... \$58.95 each
- 011H Replacement Handle \$29.50 each
- 952G Replacement Sheath..... \$14.50 each

SPLIT N' KINDLING GIFT SET

Includes the Penobscot Bay Kindling Axe and 3 lb. Mini Maul.



- WAM2..... \$129.50 each

3-3/4 LB. PULASKI AXE

3-3/4 lb. head, 36" hickory handle, leather sheath



- 038S Axe..... \$77.95 each
- 038H Replacement Handle \$29.50 each
- 038G Replacement Sheath..... \$14.50 each

TOTAL CARBIDE BRUSHCUTTER BLADES

Carbide-tipped brushcutter blades, precision-made from high carbon steel. Strong, durable tungsten carbide tips provide excellent cutting performance and durability. Lasts 30 times longer (or more) between sharpening than conventional brushcutter blades.

Note: Brush blades are for use with dual-handle brushcutters only.

Part Number	Diameter	# Teeth	Thickness	Bore	Price
TB083001C	8"/200mm	30	1.8mm	1"	\$26.95
TB093601C	9"/225mm	36	1.8mm	1"	\$28.95

BRUSH CUTTING TOOLS

DITCH BANK BLADES

Popular style used to clear vines, undergrowth and briars. All blades are double edged and .109 inches thick. They are blanked from high carbon hot rolled American strip steel. Oil quenched for uniform hardness and straightness. Drawn or tempered for best edge holding and toughness. Sturdy bolted construction. The 16" blade models should be used on growth up to 2" in diameter. The 14" and 12" models are for lighter work. High quality American hickory handle. Made in the USA.



640C	16" Double Edge Head – 40" Handle, 3 Holes.....	\$43.95 each
1642	16" Double Edge Head – 40" Handle, 4 Holes.....	\$50.95 each
70-039	40" Replacement Handle – 3 Bolt Holes	\$15.50 each
70-037	40" Replacement Handle – 4 Bolt Holes	\$16.50 each
08-03006	16" Guard, Rubberized Belting with Leather Straps.....	\$19.95 each
1436	14" Double Edge Head – 36" Handle.....	\$34.95 each
70-035	36" Replacement Handle – 3 Bolt Holes	\$12.95 each
08-03046	14" Guard, Rubberized Belting with Leather Straps.....	\$19.75 each
1230A	12" Double Edge Head – 30" Handle.....	\$28.95 each
70-033	30" Replacement Handle – 2 Bolt Holes	\$12.95 each

BUSH HOOKS

Council ingenuity originally produced the double-edged axe handle style Bush Hook. Designed for heavy-duty clearing and shrubbing of tough vines, weeds, undergrowth and small saplings. Head is approximately 1/4" thick. These Bush Hooks are drop-forged, not simply blanked out, making a superior quality blade.



212	12" Double Edge Head – 36" Straight Handle, 3 Holes	\$53.95 each
70-009	Replacement Handle - Straight.....	\$16.95 each



122-S	12" Single Edge Head – 36" Curved Handle	\$48.95 each
70-011	Replacement Handle – Curved	\$14.95 each

SEYMOUR MACHETES

- Tempered steel blade, durable cutting edge
- 18" model has a hardwood handle. 22" and 24" models have polypropylene handles
- All handles are attached with brass rivets

SEYMOUR



560018	18" Blade	\$9.50 each
560022	22" Blade.....	\$10.50 each
560024	24" Blade.....	\$11.00 each
08-02035-24	Sheath fits 24" Machetes.....	\$31.50 each

BAHCO SWEDISH BRUSH AXE

Faster, safer and easier to use than the common axe. Special head construction prevents blade from becoming wedged in the object being cut. Replaceable blade is long lasting and sharp-edged. Efficiently clears away brush and limbs up to 4" diameter. Frame is made of sturdy steel, electroplated to prevent rusting. The blade is 7-1/4" long, made of Swedish high-carbon steel with a 20" hickory handle.



3022	Brush Axe	\$51.25 each
3028	Replacement Blade.....	\$19.95 each
3029	Replacement Handle	\$30.95 each

ORIGINAL BRUSH GRUBBER

- Pulls small trees and brush up to 3" in diameter
- Heavy duty 3/8" steel construction
- 8 no slip grip teeth per pad
- Use with lawn tractor, ATV & UTV's



BG-01.....	\$55.50 each
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HEAVY DUTY BRUSH GRUBBER

- Pulls small trees and brush up to 4" in diameter
- Heavy duty 3/4" steel construction
- 8 no slip grip teeth per pad
- Grip pads rotate 360°
- Strong jaws that open wide to handle bigger brush



BG-08.....	\$78.95 each
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BRUSH GRUBBER XTREME

- Pulls small trees and brush up to 5" in diameter
- Heavy duty 1" steel construction
- 18 no slip grip teeth per pad
- Grip pads rotate 360°
- Strong jaws open wide to handle bigger brush
- Rugged handles for easier opening



BG-11.....	\$121.95 each
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BRUSH GRUBBER

- Steel handle pulls small trees and brush up to 1.5" in diameter
- Fiberglass handle pulls small trees and brush up to 3" in diameter
- Heavy duty 4" steel tubular handle
- 10 no slip grip teeth per pad
- Spring operated jaws with lever release
- Grip pads rotate 360°



BG-02	Steel Handle.....	\$92.95 each
BG-03	Fiberglass Handle.....	\$117.25 each

LOG HANDLING TOOLS

DIXIE CANT HOOKS

Used to roll and position logs. Dixie Cant Hooks are made in America from the highest quality materials available. Handles are White Mountain Hickory precision cut to an exact fit. Duckbill Hooks are drop forged with the bills ground to a fine point. Clasps and extension toe rings are ductile iron castings for long lasting service.



06100A	Cant Hook w/ 2-1/4" x 2' Handle	\$59.95 each
06102A	Replacement Handle 2-1/4" x 2'	\$32.95 each
06110	Cant Hook w/ 2-1/4" x 2-1/2' Handle.....	\$61.50 each
06112	Replacement Handle 2-1/4" x 2-1/2'	\$43.50 each
06120	Cant Hook w/ 2-1/4" x 3' Handle	\$62.75 each
06122	Replacement Handle 2-1/4" x 3'	\$39.50 each
06130	Cant Hook w/ 2-1/4" x 3-1/2' Handle.....	\$83.95 each
06132	Replacement Handle 2-1/4" x 3-1/2'	\$36.50 each
06140	Cant Hook w/ 2-1/4" x 4' Handle	\$72.50 each
06142	Replacement Handle 2-1/4" x 4'	\$54.50 each
06240	Cant Hook w/ 2-1/2" x 4' Handle	\$74.95 each
06242	Replacement Handle 2-1/2" x 4'	\$52.95 each
06250	Cant Hook w/ 2-1/2" x 4-1/2' Handle.....	\$81.50 each
06252	Replacement Handle 2-1/2" x 4-1/2'	\$57.25 each
06260	Cant Hook w/ 2-1/2" x 5' Handle	\$83.95 each
06262	Replacement Handle 2-1/4" x 5'	\$62.50 each

CANT HOOK REPLACEMENT PARTS

DUCKBILL HOOKS:

24010	7/16" x 7/8" x 8"	\$32.50 each
24230	1/2" x 1" x 9".....	\$38.50 each
24250	1/2" x 1" x 10-1/2"	\$46.25 each
24260	1/2" x 1" x 13"	\$50.95 each



CANT HOOK CLASPS:

22199	For 2-1/4" Tools.....	\$15.95 each
22299	For 2-1/2" Tools.....	\$18.50 each



EXTENSION TOE RINGS:

21199	For 2-1/4" Tools.....	\$13.95 each
21299	For 2-1/2" Tools.....	\$13.95 each



DIXIE HOOKAROONS

Heads are drop forged steel with ground precision points. Handles are turned from Second Growth Mountain Hickory shaped to provide maximum usability and coated with a clear lacquer finish – 36". Heads are attached to handle by a spring steel 1/4" x 1-1/4" roll pin.



12220	Straight 1.5 lb. Head	\$41.50 each
12320	Curved 1.5 lb. Head	\$48.25 each
12620	Star Bright 11 oz. Head	\$43.50 each
12820	Standard Hume 1 lb. Head	\$48.95 each
12920	Western Star Pattern 1.2 lb. Head.....	\$44.95 each
12221	Replacement 36" Handle	\$18.50 each
12801	Standard Hume, 18" Hickory Knob End Handle	\$47.95 each

DIXIE SOLID SOCKET PEAVIES

Made for rough log hauling; used to roll and position logs. Dixie peavies are made to withstand heavy, constant use. Handles are made from solid hickory that has been air dried and lacquer finished.



00240	2-1/2" x 4' Handle Length for Logs 6-16"	\$87.50 each
00242	Replacement Handle 2-1/2" x 4'	\$63.25 each
00250	2-1/2" x 4-1/2' Handle Length for Logs 8-24"	\$109.75 each
00252	Replacement Handle 2-1/2" x 4'	\$68.95 each
00260	2-1/2" x 5' Handle Length for Logs 8-24".....	\$117.50 each
00262	Replacement Handle 2-1/2" x 5'	\$74.25 each

DIXIE LOG JACK

A professional quality, multi-use, tool for the serious wood cutter. Use to raise logs up off the ground for easier cutting with a hand or chain saw. Makes sawing easier by helping to prevent kickback. Hickory handle is 2-1/4" x 40". Can also be used as a cant hook by removing the stand.



- 06238 Log Jack..... \$93.95 each
- 06239 Replacement Handle \$37.75 each

TIMBER CARRIER

- Used to carry timber between two people
- With 7/8" and 7/16" duckbill hooks that can accept timber from 3-16"
- Heavy steel swivel



- 09041 2-1/2" x 4' Timber Carrier..... \$99.95 each
- 09341 Replacement Handle - 2-1/2" x 4' \$61.50 each
- 09051 2-1/2" x 4-1/2' Timber Carrier \$105.95 each
- 09351 Replacement Handle - 2-1/2" x 4-1/2' \$69.25 each

PIKE POLES W/ ALUMINUM HANDLES

- Pike hooks are manufactured from high carbon steel and drop forged
- Handles are made of specially extruded 1-1/2" O.D./ .065 wall diameter aluminum alloy with a protective anodized finish



- 10022 12' Pike Pole..... \$72.50 each
- 10042 16' Pike Pole..... \$87.95 each
- 10062 20' Pike Pole..... \$111.75 each

MIDGET PIKE POLE

- Curved pike and hook on 36" handle
- For small log handling



- 13920 Midget Pike Pole..... \$43.95 each

FORGED RING SKIDDING TONGS

Dixie Skidding Tongs are upset forged from round steel to position additional steel at critical stress areas. Points are fine ground to assure long lasting sharpness. Specially shaped to grab and hold poles and logs for skidding and dragging operations. Painted blue and are not for overhead lifting.



- 40005 3/4" Tong, Opens to 16" – w/ Ring..... \$72.75 each
- 42315 1" Tong, Opens to 20" – w/ Ring \$89.95 each
- 40224 1" Tong, Opens to 25" – w/ Swivel Grab Hook \$106.95 each
- 40225 1" Tong, Opens to 25" – w/ Ring \$96.50 each
- 40555 1-1/2" Tong, Opens to 36" – w/ Ring \$479.50 each

SUPER "LOGGER" TONGS W/ HEAT TREATED RING

Drop forged for uniformity and maximum strength. Allow steel – heat treated with the most metal at the greatest stress point. Designed for tree length logging. The points are shaped to make hooking and unhooking as easy as possible while still ensuring maximum holding strength. Painted red with blue points.



- 42805 1-1/4" Tong, Opens to 16" \$315.95 each

TIMBER LIFTING TONGS

- Certified for overhead lifting
- Made of alloy heat-treated steel
- Tested & tagged with working load limits
- Painted orange



Part Number	Material Diameter (Inches)	Size (Inches)		Working Load Limit at Degree of Opening			Approx. Weight (Pounds)	Price Each
		Minimum Opening	Maximum Opening	75° (Pounds)	135° (Pounds)	180° (Pounds)		
40228	1	4-1/2	25	2500	2000	1500	17.0	\$226.75
40458	1-1/2	7	32	3000	2500	2000	36.0	\$397.95
40558	1-1/2	7-1/2	36	5000	4000	3000	50.5	\$970.75

LOG HANDLING TOOLS



LOGRITE TOOLS CANT HOOK

An aluminum handled cant hook that is stronger and easier to use than traditional wood handled cant hooks. The bright blue handle is easy to see around a saw mill or woodlot. The heat treated, zinc plated hook is built to last. The textured rubber grip is easy to hold.



- CH024 24" Cant Hook\$79.95 each
- CH030 30" Cant Hook\$84.50 each
- CH042 42" Cant Hook\$93.95 each
- CH048 48" Cant Hook\$99.95 each
- CH060 60" Cant Hook\$107.95 each

LOGRITE TOOLS MILL SPECIAL CANT HOOK

The mill special is a professional logging tool. It was developed by input from various saw millers who asked for a short cant hook without a grip and a smaller diameter handle. The butt end of the tool has a baseball type end cap to keep the tool from slipping out of your grasp. It has an all aluminum handle with a heat treated, zinc plated hook that's built to last.



- MS024 24" Mill Special Cant Hook.....\$84.95 each
- MS030 30" Mill Special Cant Hook.....\$89.95 each

LOGRITE TOOLS HOOKAROON

The hookaroon is great for pulling slabs off the saw mill or moving firewood around. It features a heat treated, zinc plated hook and a textured rubber grip. It's easy to hold and built to last.



- HR024 24" Hookaroon\$49.95 each
- HR030 30" Hookaroon\$51.95 each
- HR036 36" Hookaroon\$57.95 each
- HR048 48" Hookaroon\$61.95 each

LOGRITE TOOLS 54" LOG & TIMBER CARRIER

An aluminum handled log carrier that is stronger and lighter than wood handled log carriers. The bright blue handle is easy to see. The heat treated, zinc plated hooks are built to last. The textured rubber grips are easy to hold. Grips up to 16" diameter logs.



- LC054 54" Log Carrier\$122.95 each



BAHCO LOG TONGS

Move logs and wood easily with just one hand. Made of medium gauge Swedish steel with orange nylon coated handle and pointed tips that dig into the bark. Two sizes to choose from.



- 1401 8" Maximum Opening \$33.95 each
- 1423 11" Maximum Opening \$66.95 each
- SW4002 Leather Holster..... \$21.95 each

BAHCO TREE FELLING LEVER

Provides extra leverage when felling trees, rolling logs and breaking up stumps. Also excellent for freeing pinched saws. All steel construction. 31" long and weighs 6 lbs.



- 1014B \$74.95 each

BAHCO LIFTING HOOK

- Solid Forged Steel Hook
- Thermoplastic Rubber Handle



- 1204 Lifting Hook \$23.95 each

RENS MODEL P-4000 PORTABLE METAL DETECTOR

RENS model P-4000 is a fully automated unit. No manual adjustments are required. Simply turn on and let it work as hard as you do. Runs 10 hours on a full charge. Regulated power prevents loss of sensitivity as battery charge is depleted. Designed to be used in an industrial environment without needing a lot of operator skill.

ALL DISTANCES IN INCHES
SENSITIVITY SETTING: HIGH

5D NAIL	8
8D NAIL	12
10D NAIL	12-1/2
16D NAIL	13-1/2
40D NAIL	15
50D NAIL	16-1/4
60D NAIL	16-3/4
8" SPIKE	18
FENCE STAPLE	12



- P-4000 \$1,950.00 each

LOG HANDLING SUPPLIES

FLITCHSAVER® LOG PROTECTORS

Used to stitch existing splits and checks in valuable logs. FlitchSavers are made from special recycled plastic and will not damage saws or veneer knives.



- Eliminates black iron stains in log ends
- Safe to use - No hands in the striking area with the FlitchSaver Hammer
- Easy to use - Parts can be rotated into any position with the FlitchSaver Hammer
- 2-1/2"



10038	FlitchSaver Hammer	\$158.50 each
10037-EA	FlitchSavers- sold by each	\$.30 each
10037-BX	FlitchSavers-Box of 500	\$99.95 per box
10037	FlitchSavers-Box of 1,000 (1-4)	\$151.50 per box
	FlitchSavers-Box of 1,000 (5+)	\$147.75 per box

ANCHORSEAL 2® HYBRID END SEALER

A hybrid of new technology polymers and petroleum wax that protects the ends of logs and lumber. Made from renewable, natural ingredients and less petroleum-based raw material, ANCHORSEAL 2® is a 'greener' and more economical choice for customers. ANCHORSEAL 2® hybrid wax coating seals the ends of logs and lumber to protect against end checking and costly degrade. 5 Gallon Pail.



When applied immediately after sawing, ANCHORSEAL 2®:

- Prevents up to 90% or more of end checking (drying splits)
- Reduces losses: Conserves resources and improves yield
- Can help reduce blue stain in logs

AS05-WCL-E	Eastern States, Clear	\$87.00 per pail
AS05-WCL-W	Western States, Clear	\$105.50 per pail
AS05-WCL-E-COLOR	Eastern States, Color	\$90.00 per pail
AS05-WCL-W-COLOR	Western States, Color	\$108.50 per pail

AERVOE® LOG END SEALER

Wax-based formula to allow for expansion and contraction in varying temperature conditions. Seals cut ends of sawn logs, lumber and limbs. Prevents end checking and bark splitting. Helps keep mold and mildew from forming inside of the wood. Reduces loss and provides 3 years of protection.



6309	16 oz Aerosol	\$6.95 each
6309G	1 Gallon Jug	\$42.95 each

HAGLOF LOG TAG HAMMERS & TAGS



With the use of log tags you can always know how much volume and value you have. The many options of log tags will meet your every need. We offer tag styles with only a tracking number all



the way to tags with your company name and bar code.



20-201-6029



20-202-6051



20-201-6059



20-202-6071



20-203-6080

2506U	Hammer for Tags	\$188.25 each
2+	.....	\$174.95 each
2508U	Automatic Tag Holder, Holds 40 Tags	\$166.50 each
2+	.....	\$160.75 each

BOX OF 1000 TAGS – BLACK PRINT

20-201-6029	Small Tag, Number Only	\$153.95 box
20-202-6051	Large Tag w/ Break-Off Control Coupon with Bar Code	\$195.25 box
20-201-6059	Large Tag, Number & Name w/ Break-off Inverted Number Coupon	\$178.50 box
20-202-6071	Large Tag, Number, Name and Barcode.....	\$193.25 box
20-203-6080	Large Tag, Number and Name.....	\$176.50 box

*Available Colors: Light green, orange, pink, red, white, yellow and light blue. Please specify color when ordering.

*Note: Barcode tags are not available in red or light blue. Biodegradable tags are available in black with white print.

*Full line of Haglof Log Tags Available. Call for details.

POWER PULLERS

MORE POWER PULLERS

Can be used for many pulling, winching and stretching jobs in forestry, agriculture, construction and other fields. Capable of single or double line pull. The More Power Puller is made of iron and steel. 2 and 3 ton pulling capacity. Safety handle will bend if pulling capacity should be exceeded.

The Wyeth-Scott Co.
Manufacturer - Established 1906

2-20	2 Ton w/ 20' Cable	\$223.95 each
2-20-SLT	2 Ton w/ 20' Cable w/ safety latch	\$235.50 each
2-30	2 Ton w/ 30' Cable	\$231.25 each
2-30-SLT	2 Ton w/ 30' Cable w/ safety latch	\$242.95 each
2-35	2 Ton w/ 35' Cable	\$231.75 each
2-35-SLT	2 Ton w/ 35' Cable w/ safety latch	\$249.25 each
3-20	3 Ton w/ 20' Cable	\$233.95 each
3-20-SLT	3 Ton w/ 20' Cable w/safety latch	\$245.50 each
2-40	2 Ton w/ 40' Cable - Professional Model	\$255.95 each



REPLACEMENT PARTS:

P-14	Pawls, (two required)	\$12.25 each
P-15	Tackle Block w/ Hook for 2 ton	\$38.25 each
P-15-3	Tackle Block w/ Hook for 3-20	\$48.95 each
P-6-20	20' Flexible Wire Rope, 5/16"	\$38.25 each
P-6-30	30' Flexible Wire Rope, 5/16"	\$45.95 each
P-6-40	40' Flexible Wire Rope, 5/16"	\$53.95 each
P-7	Tubular Handle - 18" Long, Red, for 2 ton	\$4.35 each
P-7-3	Tubular Handle - 18" Long for 3-20, Blue	\$5.55 each
P7-EXT	Tubular Handle Extension - 18" Long, Red, for 2 ton	\$7.10 each
P7-3-EXT	Tubular Handle Extension - 18" for 3-20, Blue	\$8.30 each
P-8	Tubular Rivet for Reel	\$1.75 each
P-9	Rivet for Pawls (two required)	\$1.75 each
P-11	Spring for Pawl on Yoke	\$1.75 each
P-13	Clamp for 5/16" Cable (two required)	\$1.30 each
P-16	Yoke with 2 Shoulder Rivets	\$32.50 each
H-1	Hook for End of Cable	\$9.40 each



MAASDAM® BOTTLE JACKS

- Hydraulic Bottle Jack with heavy duty iron base and adjustable load saddle.
- Meets ANSI Standards requirements

MPL4B	4 Ton Load Capacity	\$28.95 each
MPL6B	6 Ton Load Capacity	\$29.95 each
MPL8B	10 Ton Load Capacity	\$49.95 each
MPL12B	12 Ton Load Capacity	\$59.95 each



AMSTEEL BLUE SYNTHETIC ROPE MORE POWER PULLERS

2-20-A-SLT	2 Ton w/ 20' Cable	\$279.95 each
3-35-A-SLT	3 Ton w/ 30' Cable	\$344.95 each

BLACK BEAR HAND CHAIN HOISTS

YL-080-10	3/4 Ton Chain Lever Hoist	\$204.50 each
YL-100-10	1 Ton Chain Lever Hoist	\$250.99 each
YL-160-10	1.6 Ton Chain Lever Hoist	\$264.00 each
YL-320-10	3 Ton Chain Lever Hoist	\$399.50 each

BLACK BEAR LEVER CHAIN HOISTS

YB-050-10	1/2 Ton - 10' Lift Chain	\$133.95 each
YB-100-10	1 Ton - 10' Lift Chain	\$160.25 each
YB-100-20	1 Ton - 20' Lift Chain	\$238.50 each
YB-300-20-20	3 Ton - 20' Lift Chain	\$479.00 each

YL MODEL YB MODEL



KEEPER™ EMERGENCY STRAP

Designed for towing stuck automobiles. The polyester webbing absorbs towing jerk and will not rust, rot or mildew; they are compact and store easily in the truck. Forged hooks are zinc plated to prevent rust. Web color is yellow. 10,000 lb. capacity.



02815	15' Strap	\$19.95 each
02825	25' Strap	\$26.95 each

KEEPER™ WINCH STRAPS

Used to attach winch cable to another point. Protects trees from girdling by winch cable. Also protects cable from damage caused by circling load and hooking back onto itself. Web color is yellow.



- Tree Saver Winch Strap is 3" x 6' Long, with a 30,000 lb. capacity
 - Recovery Strap is 3" x 20' Long, with a 22,500 lb. capacity
- | | | |
|-------|------------------------------|--------------|
| 02953 | Tree Saver Winch Strap | \$32.95 each |
| 02932 | Recovery Strap | \$47.50 each |

For over 60 years, Maasdam® has produced Pow'R Pulls to exacting standards. Using only premium components and producing the finest quality winch/puller available, Maasdam® Pow'R Pulls are backed by a full Lifetime Warranty – a first for domestic winches.

MAASDAM® CABLE POW'R PULLS

- 1 piece, aluminum alloy ratchet wheel
- High strength, electro-plated steel parts
- "Notch-at-a-time" letdown
- Drop forged steel slip hooks
- Non-slip plastic grip
- OSHA recommended safety latches
- Uses galvanized, aircraft quality 3/16" x 12' cable



144S-6 1 Ton – 15:1 Leverage, 12 ft. Lift..... \$46.95 each
144SB-6 2 Ton – 30:1 Leverage, 6 ft. Lift..... \$49.95 each

MAASDAM® STRAP POW'R PULLS

- Flexible strapping material conforms to and controls the load – non-conductive properties
- Precision-cast aluminum alloy ratchet wheel – one piece construction
- Interlocking, precision fit, steel alloy paws with safety spacer sleeve
- Cold rolled, high strength, tempered steel frame and handle
- Drop-forged steel slip hooks with OSHA recommended safety latches
- Heavy gauge steel, reinforced ratchet guard
- Aircraft-type, heat treated bolts
- High tensile, fully rotating steel swivel
- Trouble free, "Notch-at-a-time" letdown
- Permanent, comfortable, non-slip grip



WS25 1 Ton, 1" x 25' Strap – 10:1 Leverage..... \$48.95 each

MAASDAM® COME-A-LONGS

- Galvanized, aircraft quality 3/16" x 12' cable
- Double locking drive pawls
- Drop-forged steel frame galvanized against rust
- Forged steel hooks with OSHA recommended safety latches
- Oversized steel safety guard
- Reliable stainless steel springs
- Automatic let-down with safety catch
- Cable guide guards against excessive wear



CAL-1 1 Ton – 12 ft. Lift \$26.95 each
CAL-2 2 Ton – 6 ft. Lift \$38.95 each

MAASDAM® LONG HAUL ROPE POW'R PULLS

- Manufactured to the same exacting standards as cable pullers
- Uses highway approved, 12" diameter wear resistant Dacron® polyester rope – twisted or braided
- Can accommodate an unlimited length of rope
- 3/4 Ton – 10:1 Leverage
- *When used w/ Maasdam Brand Rope



A-0 \$57.95 each

MAASDAM® JACKALL JACKS

- Lift, pull, winch, push, hoist from 50 up to 8,000 lbs. (Maximum capacity reached within 12 in. of base. Capacity decreases as distance from base increases)
- Precision cast components, long life and trouble free operating
- Hot roll-formed, alloy steel beam is made strong and reliable
- Beam holes accommodate attachment of clevis pins, chains, bolts, ropes, etc.
- Hollow, special high tensile steel handle locks against beam for convenient storage
- Extra large 38-1/2 sq. in. base is heavily ribbed for strength and load stability



1130..... \$86.95 each

MAASDAM® POST PULLER

- Easy to use – attaches to most posts or stakes in seconds
- Perfect balance maximizes the user's leverage while minimizing effort
- Pulls post straight out of the ground – does not bend post, so it can be reused
- Cost effective – no need to rent or buy heavy equipment



PP-100 \$41.95 each

FIRE TOOLS



COUNCIL MCLEOD TOOL, USFS SPEC

McLeod tool with a 48" handle. Produced in accordance with USDA Forest Service Specification 5100-353D, dated November 1992, or latest version thereof. Combination of a rake and a hoe used primarily for clearing brush and other surface debris and for digging in the soil to construct fire control lines on wildfires and controlled burns. High carbon steel blade, formed and sharpened, heat treated, black enamel finish for rust resistance, enhanced ferrule joint. Made in USA. MT48-FSS



44915	McLeod Tool	\$78.25 each
	6+	\$75.50 each
44908	Replacement Handle	\$20.95 each

COUNCIL FIRE SWATTER

- Flap is a masticated rubber piece of approximately 1/4' in diameter x 12" x 15"
- Secured to a rectangular steel structure member with a welded stud which is forced into a ferrule
- Red enamel finish on the metal frame
- 60" American ash handle with a ferrule for durability
- Made in the USA



FS15	.....	\$52.95 each
	6+	\$46.95 each
CTI55	Replacement Handle-5'	\$21.95 each
15F	Replacement Flap.....	\$25.95 each

COUNCIL FIRE RAKE

The ideal heavy duty fire fighting tool. Four 3-1/4" tempered steel blades are individually riveted to a 12" steel back. Blades are replaceable. Hardwood handle.



LW12-60	Fire Rake-60" handle	\$42.95 each
	12+	\$40.25 each
70043	Replacement Handle - 60"	\$18.95 each
LW12-H	Replacement Head	\$26.75 each
LW12B	Replacement Tooth w/ Rivets.....	\$5.25 each
LW12-52	Fire Rake-52" handle	\$41.45 each
	12+	\$38.95 each
70045	Replacement Handle - 52"	\$17.95 each

COUNCIL COMBINATION TOOL

- Wildland fire fighting tool with multiple working positions
- Meets or exceeds latest Forest Service Specs
- Shovel blade and pick are made from tough, durable tool steels
- Component parts are fully heat treated for maximum toughness
- Black enamel and phosphate finish for rust resistance
- 42" American ash handle provides strength and durability
- Made in the USA



CT42FSS.....	\$96.95 each
6+	\$88.95 each

SNOW & NEALLEY PULASKI AXE

- 3.75 lb. head
- 36" hickory handle
- leather blade guard.



038S	Pulaski Axe	\$77.95 each
035H	Replacement Handle	\$29.50 each
038G	Replacement Sheath.....	\$14.50 each

COUNCIL PULASKI AXE

The Pulaski is a special forest fire fighter's tool, also good for landscaping. Along with the standard bit edge, there is a mattock blade for dirt grubbing and trenching. Polished red finished 3.75 lb. head with a 36" straight hickory handle.



38P36	Pulaski Axe.....	\$51.95 each
	6+	\$50.25 each
	12+	\$47.25 each
70-013	Replacement Handle	\$12.25 each
08-02044	Axe Sheath, 2 pc.	\$19.25 each

INDIAN® BACKPACK FIREFIGHTING PUMP

Five gallon tank – kidney shaped so it conforms to the shape of your back for comfort. Slide action pump is operated by handle. Combination nozzle makes it easy to change from spray to straight stream.



90S	Stainless Steel Tank	\$259.75 each
90G	Galvanized Tank.....	\$182.75 each
	3+	\$172.50 each

INDIAN® SMOKE CHASER COLLAPSIBLE BACKPACK FIREFIGHTING PUMP

Features a heavy-duty, collapsible, five-gallon capacity yellow vinyl tank bag. Brass, hand-operated standard piston pump, 1/4" I.D. hose, and padded straps. The pump features a rubber overgrip on the elbow end. Weighs 4-1/2 lbs. empty. Standard piston pump **Pistol grip pump available*



500FFV	\$158.25 each
3+	\$148.25 each

DRENCH™ FIREFIGHTING ADDITIVE

32 oz. Bottle. Add two ounces to water in a five gallon backpack sprayer. Reduces the extinguishing time of most forestry-related fires (wildland, brush and controlled burning)



DRENCH	\$19.50 each
12+	\$18.50 each

FIREBROOM RAKE

Effective for clearing away leaves and other debris in the fire line. Rake head has 18 tines made of 11 gauge round steel. 48" long wood handle. Replacement handles available



11-18-16F	Rake w/ 16" Tines	\$17.95 each
11-18-12F	Rake w/ 12" Tines	\$17.95 each
	12+	\$16.75 each

FIRE LINE BARRICADE TAPE

"Fire Line Do Not Cross" barricade tape is 3" x 1000' 3 mil thickness. Yellow with black letters.



743-8545	\$15.00 per roll
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FIRE FIGHTING EQUIPMENT

HISCO FIBERGLASS HANDLE PULASKI AXE

- 3.5lb Pulaski Axe with 36" fiberglass handle
- Popular landscape, irrigation and fire fighting tool used for cutting and clearing
- Weight: 5 lbs.



10060 \$49.95 each

USFS FOREST FIRE SHOVEL



Forest fire shovel is forged from a single piece of high carbon steel. Solid shank with forward turned steps for ease of use. Heat treated and tempered for toughness and durability. Sturdy ash handle is driven into socket and riveted. Shovel meets USFS specification. Made in the USA.



FFSHOSS38 \$69.95 each

NEW GENERATION FIRE PROTECTION SHELTER

The new generation fire shelter offers improved protection from radiant, thermal and convective heat. It provides protection from direct heat and traps breathable air. Consists of two layers. The outer layer of aluminum foil reflects radiant heat and woven silica cloth slows heat from reaching the outside of the shelter. The inner layer is aluminum foil which is laminated to fiberglass. This further protects the person inside the shelter from radiant heat. **Quantity Discounts available*



- 9003000 Large Shelter w/ Case \$428.00 each
- 35918 Regular Shelter \$379.00 each
- 23067 Practice Shelter, Large \$189.00 each
- 23079 Practice Shelter, Regular \$175.00 each

COOLING BANDANA

Keep your neck or head cool all day long. Cooling crystals absorb and hold up to 1000 times their weight in water to work with the evaporation process to keep pulse points feeling cool.



- MB \$4.50 each
- MB-FR (Flame Retardant) \$6.95 each

RESPRO® BANDIT SCARF

This scarf is ideal for firefighters. Better than a bandana because it also filters particulates. The filter material, Dynamic Activated Charcoal Cloth™, which is strategically placed around the breathing area is laminated with the specially designed 100% cotton scarf. It is fully washable and has been made to last for at least 6 months when being used on a daily basis. The Respro Bandit Scarf offers the best level of pollution protection currently available on the market. Please Note: This product does not provide complete protection from flame and heat or complete respiratory protection.



- RB011-11 1-5 \$32.95 each
- 6-11 \$31.50 each
- 12+ \$29.75 each

RESPRO® ANTI-POLLUTION MASK

These anti-pollution masks are ideal for firefighters. Manufactured from a hypo-allergenic neoprene, this mask has a contoured design ensuring that the mask "seals" properly. It features two essential exhalation valves to efficiently expel unwanted heat, water vapor and carbon dioxide. The Dynamic ACC™ (Activated Charcoal Cloth) filter is laminated on both sides with a particulate material to prevent irritants from reaching the respiratory system. Please Note: This product does not provide complete protection from flame and heat or complete respiratory protection.



- RC01 Mask \$37.50 each
- RC02 Replacement DACC Filter, 2/pk. \$21.95 each

MIRACOO™ HARD HAT INSERT

The head has many blood vessels close to the skin which influence body temperature. Keep cool all day with a MiraCool™ Hard Hat Insert. Navy fabric hides dirt, and it's easily installed and removed.



- 968018 \$4.95 each
- 12+ \$4.50 each

CAMELBAK® WATERMASTER HYDRATION SYSTEM

The CamelBak® WaterMaster Hydration System offers a 70 oz. capacity, closed cell insulation which keeps water cool or warm for hours, and an insulated bite valve cover prevents contamination. The break-away harness and sternum strap allows the water pack to pull away from your body if the pack gets caught in rotating machinery. The adjustable shoulder straps feature a Velcro® attachment for rolling up and securing excess strap length.



- WATERMASTER \$57.75 each



WHAT'S NEW AT CSP?

www.cspforestry.com



FIRE FIGHTING EQUIPMENT

ELVEX GO-SPECS II™ SAFETY GLASSES/ GOGGLES

EVA Flame retardant Foam lined spectacle protects against dust, sand, cement, chemicals, heat, humidity and more. Flame retardant elastic fabric strap system. Black frame with orange accent.



- Automatic swivel adjustment of strap angle
- Ballistic Vo Rated
- SuperCoat™ anti-fog coating
- 2.3 mm thick polycarbonate lens with a base 9.5 curvature
- 99% UV protection for UV A, B and C, 180-380 nm
- Tested to ANSI Z87.1-2010 (+) and CE EN-166

GG-45C-AF	Clear Lens.....	\$6.75 per pair
GG-45G-AF	Grey Lens	\$6.95 per pair

PYRAMEX V2G GOGGLES

- Lens and frame vented to increase air flow.
- Headband and temples feature ratchet adjustment for perfect fit, features quick fit retainer.
- Interchangeable temples and headband included with each pair of V2G.
- Flame resistant foam padding.
- 9.75 base curved lens provides full side protection.
- Scratch resistant polycarbonate lens provides 99% UVA/B/C protection.



GB1810ST	Clear, Anti-Fog Lens.....	\$8.95 each
GB1820ST	Grey, Anti-Fog Lens	\$8.95 each
GB1880ST	I/O Mirror, Anti-Fog Lens	\$8.95 each

EMERGENCY STROBE LIGHT

A hand-sized, battery powered, personal strobe light that emits pulsing beacons of light 50-70 times per minute, for up to 16 hours and will continue to flash at a diminished rate for up to 60 hours. The extremely bright amber flashing light can be seen at night or at dusk up to a distance of 3 miles depending on the prevailing atmospheric conditions. Requires one D cell battery (not included)



5013-A	Strobe Light w/ Amber Lens	\$19.95 each
AL-D	D-Cell Battery	\$.90 each

REPLACEMENT LENSES:

LENS-R	Red Lens.....	\$2.00 each
LENS-B	Blue Lens.....	\$2.00 each
LENS-C	Clear Lens.....	\$2.00 each
LENS-A	Amber Lens	\$2.00 each

BURN KIT

This burn kit comes complete with everything you need to cool a burn, relieve pain, and protect against contamination. Treatments and dressings won't stick to the wound and can be easily removed or washed away.



GG1197	\$32.95 each
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BULLARD WILDLAND FIRE HELMETS

Bullard Wildfire® helmets are specifically engineered to meet the special needs of wildland/forestry firefighters. Manufactured from heat-resistant thermoplastic for superior impact and penetration protection. Wildfire helmets meet and exceed the performance specifications of NFPA 1977-2005. These helmets also exceed all major state fire codes for wildland firefighting.

- Easy to adjust Flex-Gear® ratchet sizing suspension
- Thermoplastic shell
- Available in cap style or full brim hat style
- Reflective lime-yellow stripes
- Three goggle clips
- Adjustable chinstrap
- Comfortable 6-point suspension
- Leather ratchet cover (on ratchet models)
- Absorbent cotton brow pad
- Velcro® attachments inside shell
- Meets NFPA 1977-2005 specifications
- Ratchet Suspension available



FH911C	Cap Style – Yellow	\$51.95 each
	6+.....	\$48.25 each
FH911H	Hat Style – Yellow	\$56.25 each
	6+.....	\$52.95 each

ACCESSORIES:

ESRTSL	Optional 6-point Sure-Lock Ratchet Suspension (Pre 2008 Models).....	\$16.25 each
100G	Visor Bracket for Cap Style Helmet	\$12.50 each
112G	Visor Bracket for Hat Style Helmet	\$13.25 each
R221	Yellow Tecasafe Ear/Neck Protector.....	\$26.95 each
R222	Yellow Tecasafe Ear/Neck/Face Protector	\$34.25 each
24592	Optional Polycarbonate Visor	\$10.75 each

REPLACEMENT PARTS:

ES42	Chin Strap, Elastic	\$20.25 each
ES-ULTRA	Six Point Suspension (Pre 2008 Models)	\$9.85 each
GC100	Goggle Clips (set of 3)	\$3.65 each
24640	Pin-Lock Suspension System (Post 2008 Models)	\$8.70 each
24641	Ratchet Suspension System (Post 2008 Models)	\$14.25 each
24891	Brow Pad.....	\$4.65 each

CREW BOSS™ WILDLAND FIRE CLOTHING

Crew Boss™ garments are built to the highest standards of the industry, selecting only the very best fabrics and hardware components available. Every garment is built to meet or exceed the requirements of the NFPA 1977 standard on protective clothing for wildland fire fighting and are third party certified by the Underwriters Laboratories. All Crew Boss™ protective clothing has passed a battery of tests that include: flame resistance, radiant protective performance, seam and fabric strength, laundering and shrinkage resistance to earn the coveted UL label.



CREW BOSS™ SIZE CHART

Jumpsuits			
Size	Chest	Heights	
Small	34" - 36"	Short	5'4" - 5'7"
Medium	38" - 40"	Regular	5'8" - 6'0"
Large	42" - 44"	Tall	6'1" - 6'4"
X-Large	46" - 48"		
Shirts/Coats			
Size	Chest		
Small	34" - 36"		
Medium	38" - 40"		
Large	42" - 44"		
X-Large	46" - 48"		
2X-Large	50" - 52"		
3X-Large	54" - 56"		
Pants			
Size	Waist	Inseam	
Small	27" - 30"	Short	28"
Medium	31" - 34"	Regular	30"
Large	35" - 38"	Long	32"
X-Large	39" - 42"	X-Long	34"
2X-Large	43" - 46"		
3X-Large	47" - 50"		

CREW BOSS™ BRUSH SHIRT

Yellow – 5.8 oz. Tecasafe® Plus

WBSC95Y	S – XL	\$88.50 each
	2XL	\$97.50 each
	3XL	\$101.75 each
	4XL	\$106.25 each

Yellow – 6 oz. Nomex® IIIA

WBS60Y	S – XL	\$129.99 each
	2XL	\$142.99 each
	3XL	\$149.99 each

* Please State Size When Ordering

CREW BOSS™ BRUSH PANTS

Spruce Green – 6 oz. Nomex® IIIA

WBPC65	S – XL	\$202.75 each
	2XL	\$223.25 each

6.8 oz. Nomex® IIIA

WLP0114	S – XL	\$218.50 each
	2XL	\$240.95 each
	3XL	\$251.95 each

Tecasafe® Plus

WLP0120	S – XL	\$145.50 each
	2XL	\$160.50 each
	3XL	\$176.25 each

* Please State Size & Inseam (30" - 34") When Ordering

CREW BOSS™ 7 OZ. ADVANCE™ FABRIC BRUSH PANT

60% Kevlar/40% Nomex® IIIA – Khaki or Spruce Green

WBPCA7	S – XL	\$296.95 each
	2XL	\$326.95 each
	3XL	\$340.95 each

* Please State Size, color & Inseam (30" - 34") when ordering

CREW BOSS™ BRUSH COAT

Yellow – 7.5 oz. Nomex® IIIA

WBCC75Y	S – XL	\$261.50 each
	2XL	\$286.75 each
	3XL	\$292.95 each

BUTTON-IN TECASAFE® PLUS LINER

WLL0118	S – XL	\$70.75 each
	2XL	\$77.75 each
	3XL	\$81.95 each

* Please State Size When Ordering

CREW BOSS™ 6 OZ. NOMEX® IIIA JUMPSUIT

WJS60YZP	S – XL	\$342.25 each
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* Please State Size When Ordering

CONTROLLED BURNING

KCR DRIP TORCHES

The most popular U.S. Forest Service backfire torch available. Fuel trap on spout prevents flashback into fountain. Check valve in cover is double protection against flashback. Breather valve, oil proof gaskets and sealed bullets prevent stoppage of fuel. Uses either diesel or stove oil. 1.25 gallon capacity. Seamless 15 gauge aluminum fountain. Double bottom, full length handle. Weighs 5 lbs. 6 oz.

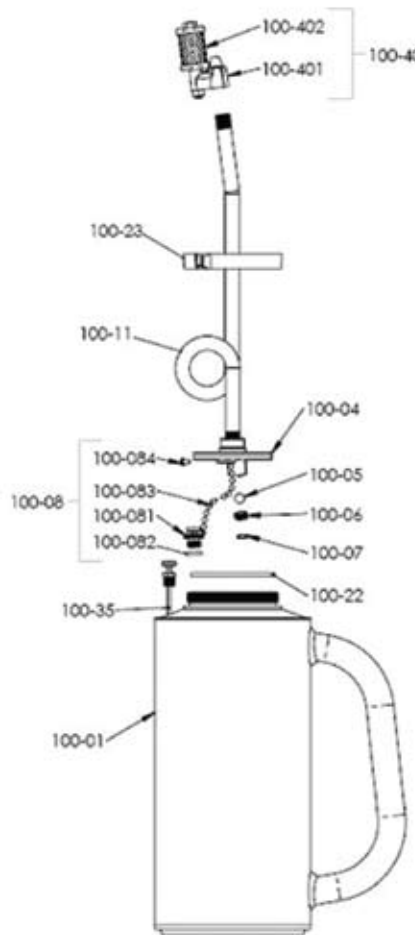
- 100-00 Drip Torch..... \$132.95 each
- 5+..... \$128.95 each
- 10+..... \$122.50 each

- 100-00R Red Drip Torch..... \$140.95 each
- 5+..... \$135.95 each
- 10+..... \$131.95 each



REPLACEMENT PARTS

P/N	Description	Price
100-01	Aluminum Tank	\$122.95
100-04	Tank Cover	\$20.95
100-05	Check Valve Ball	\$1.25
100-06	Check Valve Seat	\$3.15
100-07	Outlet Screen	\$1.60
100-08	Plug Assembly	\$10.25
100-081	Plug Only	\$6.95
100-082	Plug Gasket	\$1.15
100-083	Chain w/ S Hook	\$2.65
100-084	Chain Screw	\$0.95
100-11	Spout & Fuel Trap	\$20.50
100-22	Tank Cover Gasket	\$2.65
100-23	Lock Ring	\$25.95
100-35	Air Breather Valve	\$22.50
100-40	Igniter Nozzle Assembly	\$26.95
100-401	Nozzle Only	\$13.95
100-402	Replacement Igniter	\$18.95
100-60	Repair Kit – 100-05, 100-06, 100-07, 100-08, 100-22, 100-35, 100-40.	\$63.95
100-61	Small Repair Kit – 100-05, 100-06, 100-07, 100-082	\$7.25



TRUCK MOUNTING BRACKET

This light-weight fabricated aluminum Drip Torch Truck Mount Bracket is a two-piece welded assembly. It comes with a thick urethane covered spring strap for securing your KCR Drip Torch in place and has four holes in the bottom plate for mounting to a truck gear box.



- 100-50 Mounting Bracket..... \$65.95 each
- 100-52 Mounting Bracket Strap..... \$11.25 each

FIRE FIGHTING - CONTROLLED BURNING

PANAMA PUMP STAINLESS STEEL HAND HELD DRIP TORCH

Tank made of tough stainless steel. Heads have been reinforced. Gas steamlined burner will not get tangled in brush or vines. Available with choice of 12", 15" or 19" burner. 12" burner can be stored in tank when not in use. Burner has long-lasting wire asbestos wick which is easy to replace in the field. Torch has wide mouth filler – 2-1/4" diameter – for easier filling. Filler cap has a large neoprene gasket which is recessed into the filler cap to give a positive seal.

Uses an oxygen type forged brass regulating valve to control the amount of fuel. The brass screw-type vent valve introduces air to the bottom of the tank when inverted to prevent a vacuum from being formed. The holder utilizes a hold-down bar which is attached with 2 springs. Tank has a 1-3/8 gallon capacity. Empty weight is only 4.5 lbs.

REPLACEMENT PARTS

Part #	Description	Price
D-1	Burner Wick w/ Staples	\$8.95
D-8	12" Burner & Nozzle	\$53.95
D-2	15" Burner & Nozzle	\$53.95
D-9	19" Burner & Nozzle	\$53.95
D-3	Oxygen-Type Regulator Valve	\$29.50
D-10	Wide Mouth (2-1/4") Filler Cap	\$45.95
D-11	Gasket for Wide Mouth Filler Cap	\$4.95
D-15	Vent Valve	\$23.95
D-7	Tank w/ Vent Tube	\$212.00
D-12	Removable Nozzle	\$6.50
D-14	5/32" Allen Wrench	\$2.75
D-6	1" Filler Cap Gasket	\$3.75



06100	12" Burner.....	\$268.50 each
06101	15" Burner.....	\$268.50 each
06102	19" Burner.....	\$268.50 each
07100	Truck Mounting Bracket.....	\$75.50 each

FOX FIRE ATV DRIP TORCH

- 12v Fuel Pump
- Projects a 2' - 8' flame
- Five position torch arm
- One person operation
- 10 gallon drip torch
- Connection hardware included
- Available in Aluminum or Steel
- Quick-Release Mounting Bracket
- Mounts on the back of an ATV or tractor
- Makes it possible to do a 300 acre burn in a single day
- 2 cut-off valves, brushguards, fire extinguisher, & internal baffles



FF-ALUM	Aluminum Model	\$2,388.00 each
FF-150	Steel Model.....	\$2,170.00 each
FF-1000	Replacement Wick/Burner Tube	\$98.50 each
MB-A	Aluminum Model Mounting Bracket.....	\$75.95 each
MB-S	Steel Model Mounting Bracket	\$75.95 each

FUSEE BACKFIRE TORCH

- 10 Minute Back Fire Torch
 - Waxed
 - Paper Bonnet
 - 4" Handle
 - 72 Per Case
 - Weight: 39 lbs
- OR4100\$192.95 per case



MESH SIGNS FOR CONTROLLED BURNING – INCLUDES RIBS

Heavy-duty vinyl mesh with durable, bound edges. Easy to use – simply unroll and attach ribs and hang on sign stand. When finished, detach ribs, roll up and put in truck. No bulky wooden or metal signs to carry – these signs will even fit behind your truck seat. High visibility orange mesh with black lettering and fiberglass ribs.



1336-CSA	36" x 36" Caution Smoke Ahead	\$42.50 each
1348-CSA	48" x 48" Caution Smoke Ahead	\$49.95 each
1336-CSOR	36" x 36" Caution Smoke On Road	\$42.50 each
1348-CSOR	48" x 48" Caution Smoke On Road	\$49.95 each

SIGN STAND

Made of sturdily welded steel angle irons – 5 ft. high. Simply drive into the ground using the convenient foot step and attach sign. Holds sign securely. Will not blow off. High visibility orange.

1200A.....	\$32.95 each
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*Signs and stands are sold separately

CONTROLLED BURNING

PANAMA FLAME GUN

Used where extremely hot fire is needed immediately.

Features include: 2 gallon pressure tank, internal pump, 43" hose, piston grip flame applicator with on/off switch, extended nozzle with doughnut shaped wick. Flame will project up to 8' depending on tank air pressure.

To operate, light wick with a match. Fuel (kerosene or diesel fuel) ignites as it passes through wick ring. Mild steel tank has 2 gallon capacity (1-1/2 gallons of fuel / 1/2 gallon of air)



- 05100 Flame Torch \$515.95 each
- F-26 Replacement Wicking \$8.95 each

* Replacement Parts Available. Call for diagram and prices.

PANAMA BAC-PAC DRIP TORCH

- Backpack style is 1-1/2 gallon mild steel tank with adjustable straps
- Steamlined burner assembly won't snag in bushes
- 24" and 30" hose
- Fiberglass wick igniter.
- Uses diesel or stove oil.

- 09100 \$249.95 each



REPLACEMENT PARTS

B-1	24" Fire Wand	\$55.95
B-2	Neoprene Hose Assembly	\$37.95
D-1	Burner Wick w/ Staples	\$8.95
D-15	Vent Valve w/Ball Check	\$24.50
D-16	Filler Cap 2-1/4" w/hole	\$46.50
D-11	Filler Cap Gasket 2-1/4"	\$4.95
D-13	Tank	\$165.95
F-3	Regulating Valve	\$30.95
G-28	Carrying Straps (two required)	\$14.50
D-12	Removable Nozzle	\$6.25
D-14	5/32" Allen Wrench	\$2.75
G-32	Backpack Carrier	\$77.95

MR. HEATER ALL-PURPOSE PROPANE TORCH

31" Total length - 400,000 BTU's of power with a 10' hose assembly. Needle valve adjustment allows accurate fuel regulation for flame control. Lightweight and easy to use. Comfortable, ergonomic handle grip. P.O.L. fitting allows attachment to any propane cylinder. For outdoor use only.



APPLICATIONS:

- Weed Burning
- Asphalt Repair
- Melting Ice
- Thawing Pipes
- Sealing Tar
- Peeling Paint

- F272601 \$59.95 each

THERMOMETERS

FORESTRY SUPPLIES

TAYLOR MODEL 5460 MAXIMUM-MINIMUM THERMOMETERS



- Thermometer registers high and low readings from last setting
- Modern design with black pebble-grain finish
- Pushbutton reset
- Fahrenheit and Celsius scales
- Non-toxic, permacolor filled



5460 1-9.....\$30.95 each
10+.....\$28.50 each

**Full line of Taylor thermometers available*

EXTECH HYGRO-THERMOMETER CLOCK

- Clock display 12/24 hour time
- MAX/MIN with "reset" function
- Simultaneous display of Time, Temperature (14 to 140 °F/ -10 to 60 °C) and Humidity (10 to 85% RH)
- Max resolution: 0.1°, 1%
- Basic Accuracy: ±1.8 °F/ 1 °C and ±6% RH
- Temperature is °C/ °F switchable
- Programmable clock alarm



Includes: Stand, wall mount bracket, 1 AAA battery and 1 year warranty.

445702.....\$32.95 each

EXTECH HUMIDITY & TEMPERATURE PEN

Pocket size for quick and reliable measurements at any location.



- Built-in sensors provide simultaneous readings of relative Humidity (20 to 90%) and Temperature 14 to 122 °F/ -10 to 50 °C) on a dual LCD
- Max resolution: 1°, 1%
- Basic Accuracy: ± 2 °F/ 1 °C and ± 5% RH
- Temperature is °C/ °F switchable
- MAX/MIN memory functions for display of highest and lowest readings for both Temperature & Relative Humidity
- "Clear" function key to erase stored MAX/MIN readings to record new values

Includes: Pocket clip, one LR44 button battery and 1 year warranty.

445580.....\$32.95 each

EXTECH HUMIDITY & TEMPERATURE USB DATALOGGERS

Two models to choose from with USB interface for easy data download.



- Model RHT10 datalogs 16,000 Temperature/ 16,000 RH readings; Dew point indication via Windows® compatible software; Optional RHT10-SW software for RHT10 to calculate Grains Per Pound (grams per kilogram) to 1120GPP (160g/kg)



TH10

- Model TH10 datalogs 32,000 Temperature readings
- Selectable data sampling rate: 2s, 5s, 10s, 30s, 1m, 5m, 10m, 30m, 1hr, 3hrs, 6hrs, 12hrs and 24hrs
- User-programmable alarm thresholds for RH and Temperature
- Humidity: 0 to 100% RH (Model RHT10 only), Accuracy: ±3% RH; Temperature: -40 to 158 °F (-40 to 70 °C), Accuracy ±1 °F/ 0.5 °C
- 1yr battery life



RHT10

*Includes: 3.6V Lithium battery, protective USB cap, mounting bracket and Windows® compatible software for analysis; 1 year warranty.

TH10 Temperature USB Datalogger.....\$54.95 each
RHT10 Humidity & Temperature USB Datalogger.....\$85.95 each

SHOP ONLINE @ WWW.CSPFORESTRY.COM



SUPERIOR SMOKE SIGNALS

- Inexpensive smoke that's efficient and easy to use
- Smoke for studying airflow, detecting leaks, photography and dislodging animals
- Sold by the dozen.

2B Generates 8,000 Cu. Ft. of Smoke in 1 Minute.....\$50.95 per dozen
3C Generates 40,000 Cu. Ft. of Smoke in 3 Minutes.....\$92.95 per dozen



WEATHER INSTRUMENTS

Kestrel Night Vision Models: For military professionals, the Olive Drab NV versions feature a night-vision preserving backlight. Backlight incorporates optical filter to reduce overall brightness and minimize blue and green spectrum light to preserve night vision. (Note: This backlight appears soft greyish pink, not "red", and is still in the visible spectrum, so is not compatible with night-vision equipment.)

Kestrel Bluetooth Models: Upload data to your PC or Mac! The Kestrel 5000 series are now available with Bluetooth Technology, which allows you to communicate with your Kestrel at a range of up to 30-feet, and maximize the battery life of your weather meter. Each Bluetooth Meter includes custom communication software designed to quickly and easily configure your data transmission frequency, download logged data, graph data and transfer data to other applications. It is no longer necessary to purchase an interface separately, the new Kestrel Meters with Bluetooth include the software necessary to communicate wirelessly.

KESTREL® 1000 POCKET WIND METER

The Kestrel 1000 Wind Meter is the base model of Kestrel pocket weather meters. Simple and compact, the Kestrel 1000 fits right into the palm of your hand and weighs a mere 65 grams. It's also extremely durable and totally waterproof, allowing you to measure wind speeds in even the harshest weather conditions. It even floats. A hard slide-on case, lanyard, and battery are included.

KS0810 Blue..... \$74.00 each



KESTREL® 2000 POCKET THERMO WIND™ METER

The Kestrel 2000 Thermo Anemometer is a compact and durable weather meter that puts essential weather information in the palm of your hand. Thanks to Kestrel's sensitive impeller technology, you get accurate wind speed info. In addition, the Kestrel 2000's external temperature sensor and waterproof casing allow you to gauge the temperature of water and snow, as well as open air. A hard slide-on case, lanyard, and battery are included.

KS0820 Green\$94.00 each



KESTREL® 2500 POCKET WEATHER METER

The Kestrel 2500 Pocket Weather Meter measures wind and temperature with total accuracy, and has the added benefits of an air pressure sensor that provides altitude and barometric information. Kestrel 2500 technology enables you to follow changes in air pressure that help predict impending changes in the weather. The Kestrel 2500's sensitive and user-replaceable impeller technology provides accurate wind speed info. Additionally, an external temperature sensor and waterproof casing allow you to gauge the temperature of water and snow, as well as the open air. A hard slide-on case, lanyard, and battery are included.

KS0825 Orange\$149.00 each
KS0825NV Olive Drab w/Night Vision\$154.00 each



KESTREL® 3000 POCKET WEATHER METER

The Kestrel 3000 Weather Meter measures essential environmental parameters like temperature and wind speeds, and has added advantages for professionals that need access to humidity and heat stress readings. The Kestrel 3000's sensitive and user-replaceable impeller technology provides accurate wind speed info. Additionally, an external temperature sensor and waterproof casing allow you to gauge the temperature of water and snow, as well as the open air. A hard slide-on case, lanyard, and battery are included.

KS0830 Red.....\$149.00 each



KESTREL® 3500 POCKET WEATHER METER

The Kestrel 3500 measures temperature, wind speeds, barometric phenomena, pressure trends of up to 3 hours, and more. The Kestrel 3500 provides a complete range of weather measurements. In addition to the Kestrel 3500's pressure trend indicator, it also has the advantage of altitude and barometric pressure measurement. The Kestrel 3500's easy to use menu system scrolls through 9 different environmental measurement conditions. It has an external temperature sensor with a waterproof casing that allows you to gauge the temperature of water, snow, and the open air. The sensitive and user-replaceable impeller technology provides accurate wind speed info, and a hard slide-on case, lanyard, and battery are included.

For military professionals, the Olive Drab NV version of the Kestrel 3500 features a night-vision preserving backlight. Backlight incorporates optical filter to reduce overall brightness and minimize blue and green spectrum light to preserve night vision. (Note: This backlight appears soft greyish pink, not "red", and is still in the visible spectrum, so is not compatible with night-vision equipment.)

KS0835 Yellow \$194.00 each
KS0835NV Olive Drab w/Night Vision \$199.00 each



ACCESSORIES:

Part #	Description	4500	4200	4000	3500	3000	2500	2000	1000	Price
0791	Rotating Vane Mount	X	X	X						\$50.00
0802A	RH Calibration Kit	X	X	X	X	X				\$64.00
801A	Replacement Impeller	X	X	X	X	X	X	X	X	\$15.00
0806BLK	Molle Case	X	X	X	X	X	X	X	X	\$25.00
0805	Belt Carry Case	X	X	X						\$15.00
0799	Portable Mini Tripod	X	X	X	X	X	X	X	X	\$27.00
0804USB	USB Computer Interface	X	X	X						\$74.00

KESTREL 5000 ENVIRONMENTAL METER

- Used in firefighting, agriculture, hazardous materials response, meteorology, military, law enforcement, research, education, scientific & mountaineering expeditions and more.
- Handheld, portable environmental meter with onboard data logging and graphing.
- Measures wind speed / air speed, temperature, humidity and pressure and displays over 10 total environmental parameters on large, hi-res, hi-contrast, graphic display.
- Optional LiNK connectivity powered by Bluetooth Smart® provides wireless communication to mobile devices and computers.
- Rugged (drop tested to MIL-STD-810G standards), waterproof (sealed to IP67 standards) and floats.
- Protective pouch, neck lanyard and Lithium AA battery included.
- 5-year warranty.



KS0850BLK Black \$259.00 each

KESTREL 5500 WEATHER METER

- Measures wind speed, temperature, humidity, pressure and direction.
- 14 total meteorological parameters measured, calculated and displayed real-time and stored in memory, including advanced meteorological measurements such as dew point temperature, wet bulb temperature and density altitude.
- Large, hi-res, hi-contrast, graphic display is perfectly readable in the brightest sunlight and is backlit for nighttime use.
- Optional LiNK connectivity powered by Bluetooth Smart® provides wireless communication to mobile devices and computers.
- Rugged (drop tested to MIL-STD-810G standards), waterproof (sealed to IP67 standards) and floats.
- Protective pouch, neck lanyard and Lithium AA battery included.
- 5-year warranty.
- Used in meteorology, hiking, camping, expeditions, agriculture, research, aviation, sailing, long-range shooting, military operations and more.



KS0855YEL Yellow \$309.00 each

KESTREL® DROP

Kestrel DROPS are small, rugged, and accurate environmental data loggers. Built to Kestrel's brand specific rugged durability standard, the Kestrel DROPS are waterproof (IP67 standard) and drop-tested to MIL-STD-810G. Users are also able to set threshold alarms where an in-app pop-up will notify a user in range that certain measurement criteria have been met.



- View, chart, record and monitor your environmental conditions
- Real time, Wireless, Graphing functionality
- Access real time or chart the data via Bluetooth Low Energy (BLE) on your smart device
- Log options: 2s, 5s, 10s, 20s, 30s, 1min, 2min, 5min, 10min, 20min, 30min, 1hr, 2hr, 6hr, 12hr
- Range of 100 feet for iPhone connection
- Works with iPhone, iPod or iPad (generation compatible)**
- Download the Kestrel Connect App directly from iTunes App store.
- Share real-time / logged data with Kestrel Connect app via email, text, and social media.
- Battery life of 6 months - 1 year depending on user settings
- Rugged
- Accurate
- Waterproof

DROP D1: Data Points: 13064

- Logging every 2 seconds - Fills up after 7.5 hours
- Logging every 10 minutes - Fills up after 90.7 days
- Logging every 2 hours - Fills up after 544 days

DROP D2: Data Points: 8165

- Logging every 2 seconds - Fills up after 4.5 hours
- Logging every 10 minutes - Fills up after 56.7 days
- Logging every 2 hours - Fills up after 340 days.

DROP D3: Data Points: 6220

- Logging every 2 seconds: Fills up after 3.4 hours
- Logging every 10 minutes - Fills up after 43.2 days
- Logging every 2 hours - Fills up after 259 days

KS0710 Drop D1..... \$89.00 each

KS0720 Drop D2..... \$149.00 each

KS0730 Drop D3..... \$179.00 each

*Please Specify Tan, Red, or Blue when Ordering

ACCESSORIES FOR THE KESTREL 5000 SERIES ONLY:

Part Number	Description	Color	Price
KS0782	Rotating Vane Mount & Carry Case	Black	\$49.00
KS0784	Screen Protector Kit	Clear	\$8.00
KS0785	USB Data Transfer Cable	Black	\$59.00
KS0786	LiNK Dongle (BTLE)	Black	\$23.00

MEASUREMENTS	D1	D2	D3
Temperature	X	X	X
Humidity		X	X
Heat Index		X	X
Dew Point Temperature		X	X
Station Pressure			X
Density Altitude			X
Pressure Trend			X
Colors Available:	X	X	X

***FULL LINE OF KESTREL PRODUCTS AVAILABLE**

WEATHER INSTRUMENTS

BRUNTON® ATMOSPHERIC DATA CENTERS

F-ADC-WIND

F-ADC-SUMT

F-ADC-PRO



Features	Wind	Summit	Pro
Waterproof/Submersible	X	X	X
Current Temperature (°F, °C)	X	X	X
Current Wind Speed	X	X	X
Maximum Wind Speed	X	X	X
Average Wind Speed	X	X	X
Wind Speed Alarm	X	X	X
Wind Chill	X	X	X
Minimum Wind Chill	X	X	X
Wind Chill Alarm	X	X	X
Current Water Speed	X	X	X
12/24 Hour Clock	X	X	X
Time & Date	X	X	X
Chronograph	X	X	X
Race/Countdown Time	X	X	X
Current Barometric Pressure		X	X
Past 24 Hour Pressure Graph		X	X
Prediction for 12 Hour's Weather		X	X
Storm Alarm		X	X
Current Altitude (Ft, M)		X	X
Maximum Altitude (Ft, M)		X	X
Altitude Alarm		X	X
Ski Run Counter		X	X
IR Data Communication		X	X
Manual & Automatic Data Logging		X	X
Current Relative Humidity			X
Air Density			X
Relative Air Density			X
Heat Index (°F, °C)			X
Dew Point (°F, °C)			X
Wet Bulb (°F, °C)			X
Density Altitude (Ft, M)			X
Item Number	F-ADC-WIND	F-ADC-SUMT	F-ADC-PRO
Price	\$69.99	\$129.99	\$179.99

WIND & RAIN GAUGES

WIND GAUGES

DWYER WIND GAUGE

- A hand-held wind meter with lifetime accuracy
- Pocket size convenience and simple to use
- Rugged enough for sea-going use
- Dual Range – 2 to 10 mph on low scale, 6 to 66 mph on high scale
- Metric ranges available.



- 10008 English..... \$22.95 each
- 10009 Metric \$22.95 each
- 10+ \$20.95 each
- 10011A Replacement Floats (pack of 3) \$19.95 each

POCKET THERMOMETER

-30°F to 120°F plastic carrying case w/pocket clip.



- 21412 \$13.50 each
- 10+ \$12.75 each

AIRPORT-TYPE WINDSOCKS

Highly visible and durable windsocks are made of fluorescent vinyl coated fabric. Hardware sold separately.

Product/Number	Material	Throat	Apex	Length	Price
WS10/N	Nylon	10"	4"	36"	\$19.95
WS10	Vinyl Coated Fabric	10"	4"	36"	\$16.95
WS18	Vinyl Coated Fabric	18"	8"	96"	\$52.95
WS10HW	Mounting Hardware for WS10				\$48.95
WS18-H	Mounting Hardware for WS18				\$79.95



RAIN GAUGES

TRU-CHEK® RAIN GAUGE

Durable Construction - Nothing to rust or wear out. One-piece, heavy weather-resistant clear plastic resists discoloration.

- Low Cost - Approaches the accuracy of the finest scientific instruments - yet popularly priced
- Accurately measures from 1/100 of an inch up to 6 inches
- Scale permanently marked in plastic
- Two easy-to-read scales - metric only on one side; inch scale only on the other
- 13" long, with top opening 2-1/2" x 2-1/4"
- Not for use below freezing



- TRU \$8.95 each
- 12+ \$7.75 each

TAYLOR® SEE-THRU RAIN GAUGE

- 5" rainfall capacity
- Clear, tough Butyrate, mounting bracket, instructions and chart
- Collector opening diameter of 2"
- 11-7/8" long



- 2700 \$8.95 each

RAINWISE® ELECTRONIC RAIN GAUGE, WIRELESS

The 8" diameter collector meets NWS specifications for statistical accuracy. Every time the bucket tips, a count is transmitted to the indoor display and the gauge empties. You never have to empty the gauge. Each tip of the bucket shows one hundredth of an inch on the indoor display. This gauge design eliminates the normal wire connection from the rain gauge to the indoor display. The battery operated transmitter operates up to 300 feet away. Just locate the gauge in an open area and read the rainfall amount on the indoor display.

- 300 ft* Wireless Range.
- Battery Operated.
- Meets NWS specifications.
- Lifetime guarantee on the collector.



- RWERG \$199.95 each

TREE PLANTING SUPPLIES

OST (DIBBLE) BAR

For non-rocky soil that is easy to penetrate. Blade is wedge shaped in cross section. 38" long with 3" x 10-1/4" wide blade which tapers to a thin wedge.

OST	Black w/ Red Handles	\$36.50 each
	6-11	\$34.95 each
	12+	\$32.95 each
OST-ORANGE	Orange	\$39.95 each
	6+	\$38.50 each



KBC BAR

For rocky soil that is difficult to penetrate. Will penetrate soil cleanly and easily, allowing less soil to fall into the planting hole. 39" long with 4" x 12" wide blade which tapers to a point.

KBC	\$42.95 each
6-11	\$40.95 each
12+	\$35.95 each

TREE PLANTING BAGS

- Tree Planting Bags are made of heavy duty neoprene coated nylon – tear and puncture resistant.
- Two inch belt with non-slip buckle.

TBR-1215	12" x 15" Round Tree Bag	\$22.95 each
	10+	\$20.95 each
TBRS-15	12" x 15" Double Round Tree Bag	\$45.95 each
	10+	\$42.95 each
TBR-1218	12" x 18" Round Tree Bag	\$23.50 each
	10+	\$21.95 each
TBDS-15	Deluxe 15" Split Bag, 2 Separate Compartments w/ Velcro® Belt	\$53.95 each
	6+	\$49.95 each
TBPS-15	Pro-Style: 2 compartments, harness and waist belt 9" x 9-1/2" x 15" deep	\$71.95 each
	10+	\$65.95 each
1133-PRO	15" Split Bag w/harness and ballistic nylon	\$94.95 each
	10+	\$89.95 each
TBHARNESS	Tree Planting Bag Harness	\$24.95 each
	10+	\$22.95 each



HEAT SHIELD TARP (FOR SEEDLING PROTECTION)

Acts like a survival blanket for tree seedlings. Reduces heat build-up in bundled, bagged or boxed seedlings. Reflects sunlight, keeping cool air trapped under tarp. Vinyl fabric with reflective metallic finish on reverse side. Place over seedlings with reflective side down.

910HST	9' X 10'	\$106.95 each
	3+	\$103.95 each
915HST	9' X 15'	\$153.95 each
	3+	\$143.95 each
1518HST	15' X 18'	\$259.50 each
	3+	\$239.50 each



CONTAINERIZED SEEDLING DIBBLE

This 38" dibble bar comes with a 4" hollow tip that lets you displace a 1" diameter core 4" deep. Made of carbon steel with rubber hand grips.

CD-4	4" Tip	\$61.95 each
	10+	\$58.95 each
CD-6	6" Tip	\$66.00 each
	10+	\$62.50 each
CDRT-4	Replacement 4" Tip	\$34.75 each
CDRT-6	Replacement 6" Tip	\$36.95 each



SEYMOUR TREE FEEDING AUGER

Drills holes 2" wide and up to 3.5" deep. 45" overall length with blades welded at the tip to prevent spreading. 36" shaft with 15" cross handle for easy operating leverage.

AU-02T	\$53.95 each
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KING OF SPADES TREE PLANTING SHOVEL

Made of aircraft-quality tubing. Super strong, rust-resistant, smooth and lightweight. Five year guarantee against breakage under normal use. Large all-tubular D-handle for comfort. Optional rubber foot pad available. Long tapered cutting edge resists dents and nicks from hard digging conditions. Virtually self-sharpening during use.



- KSD-13 Pointed Cutting Edge \$89.95 each
- KSS-13 Straight Cutting Edge \$89.95 each
- FP Replacement Foot Pad..... \$10.50 each

16" DRAIN SPADE W/ D-GRIP



The 14-inch blade is long and narrow with forward turned-step to dig into tight places.

- Heavy gauge, tempered steel blade for maximum strength
- Multiple rivets keep the blade secure
- Serrated blade for easy digging
- 29-inch ash handle with steel and wood D-grip

47103 \$38.95 each

16" DRAIN SPADE W/ SOLID SHANK & D-GRIP



This tool features a forward turned-step, solid shank blade, 9-inch socket, and a 27-inch ash handle with steel and wood D-grip. This drain spade is made of durable construction to dig into tight places for years to come.

- Solid shank blade
- Forward turned-step for secure foot placement
- 9 inch socket
- 27-inch ash handle with steel and wood D-grip

47110 \$75.95 each

MN-21 MANGANESE TABLETS

The simple way of curing Manganese deficiency. Manganese-21 Tablets create a successful growing environment that allows a plant to reach its fullest potential. In the past, with limited success, the industry has treated just the symptoms of manganese deficiency, rather than work toward amending soils, and creating a successful growing environment, which is the proven treatment for long-term plant health.

Tablets are to be placed below ground, 4-6" deep, around the drip-line into the root zone area. Heavy watering after application of tablets will quicken the response. Favorable color responses are normally seen anywhere from 30-90 days from time of application, depending on soil structure, the amount of water/rainfall applied to the area and the type of plant material being treated.

MN-21-MAN (15 Gram Tablets, 290/ 10 lb. Box) \$ 74.95 box

TREE BANDS

A Tree Band is an easily applied device that measures the growth of the tree by expanding as the tree grows. This allows you to check the growth of your tree whenever you wish. Once Tree Bands are applied, they retain in place until you remove them, and since Tree Bands expand, the tree will not grow around the band.



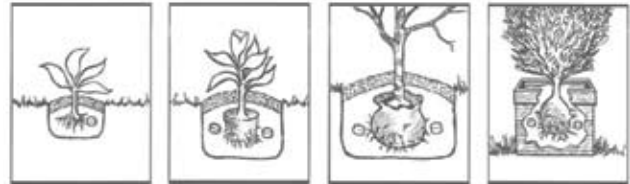
Tree Bands provide the landowner with more than just the ability to calculate the volume of a tree. By using several Tree Bands to gather a few simple measurements combined with the volume data provided on the body of the band, the landowner can predict the growth and volume of an entire stand of trees.

Tree Bands are made of extremely durable plastic that have been field tested for a number of years. The springs are special ordered to ensure ease of installation, proper fit and duration.

- TB100 1-11 \$3.95 each
- 12-24 \$3.50 each
- 25+ \$2.95 each

REMKE PLANTING TABLETS

Remke Planting Tablets with micronutrients are a complete plant food, supplying the full range of major, minor and micronutrients necessary to meet the continuing needs of all plants. Tablets simplify the process of fertilization, slowly releasing nutrients for up to 2 years. During a plant's first year it does not require a large amount of nitrogen. However, what it does require is a safe, measured, slowly available source of the major, minor and micronutrients critical in developing roots and stimulating the canopy, increasing chances for survival. Derived from Ureaformaldehyde nitrogen, Sulphate of Potash, Sucrated Iron, Manganese, Zinc plus Humic Acid, Remke Tablets are activated by soil bacteria which convert the raw nutrients into a usable form for the plant over a 24 month period. Completely safe, roots will surround the tablet and, as soil bacteria make usable nutrients available, these roots will absorb them as needed.



- 20-10-5-21 21 Gram Tablets, Box of 500 \$62.95 box
- 20-10-5-10 10 Gram Tablets, Box of 1000 \$73.25 box
- 20-10-5-5 5 Gram Tablets, Box of 2100 \$73.95 box



NOTES:

SPRAYERS



SOLO HANDHELD PRESSURE SPRAYERS

Large 4.5" filler opening makes filling and clean up safe and easy. Chemically resistant Viton® seals throughout. High density polyethylene tanks with ultra-violet inhibitors, which allow for unmatched durability and ultra-violet protection. Automatic pressure relief valve releases excess pressure at 45 psi and may be used to release pressure as desired. Solo handheld sprayers can reach full pressure with about half the pumping required by other brands. Shut-off valve and wand overall length is 28" for hard to reach places. Four feet of high pressure hose for hard to reach places. Includes an assortment of four nozzles.



- SO454 1.25 Gallon \$40.95 each
- SO456 2.25 Gallon \$44.75 each
- SO457 3 Gallon \$43.95 each

SOLO ONE-HAND SPRAYER

1 Liter Capacity. High-density polyethylene tank is UV resistant. Powered by a piston pump for easy pressurization. Chemically resistant seals allow safer use with many types of chemicals. High-quality nozzle is fully adjustable: from direct jet to fine mist. Locking trigger reduces user fatigue.



- SO415 \$7.95 each

SOLO ONE-HAND HIGH PRESSURE SPRAYER

2 Liter Capacity. One-hand pressure sprayer with telescoping wand adjustable from 12" to 23" for comfortable ground-level spraying without bending. High-density polyethylene tank is UV resistant. Powered by a high efficiency piston pump with Viton® seals for quick pressurization and chemical resistance. Pressure relief valve prevents over-pressurization. Ideal for indoor and outdoor spraying, gardening, fertilization, weed control, automobile cleaning and maintenance. High-quality nozzle is fully adjustable: from direct jet to fine mist. Locking trigger reduces user fatigue. Easily filled and cleaned after use. Built-in drift/drip guard provides added dimension of control.



- SO420 \$14.95 each

SOLO 430 SERIES HIGH PRESSURE HANDHELD SPRAYERS

- UV resistant high density polyethylene tank
- Funnel top for easy fill
- Large secondary opening for easier clean-up
- Piston pump with Viton® seals provides up to 45 psi
- Unbreakable 28" wand with commercial shut-off valve, three position latch and 48" hose
- Four nozzle assortment – flat fan, hollow cone, jet stream and adjustable nozzle
- Adjustable webbed carry strap
- Large carry handle for easy pumping
- Pressure relief valve



- 430-1G 1 Gallon Capacity \$26.25 each
- 430-2G 2 Gallon Capacity \$28.95 each
- 430-3G 3 Gallon Capacity \$34.95 each

SOLO BACKPACK SPRAYERS

With these versatile sprayers you can spray herbicides, insecticides, fungicides, liquid fertilizers, game repellents, livestock sprays, cleaning solutions and more. All models feature a built-in pressure regulator that can be preset to desired p.s.i. and seals made of Viton to resist corrosive chemicals. UV-stabilized polyethylene tank accepts water and oil-based chemicals. Not recommended for acids. Easy fill, 4" wide tank opening has removable strainer. Hand-operated pump is switchable for left to right side pumping. Fan, cone or straight stream, no-drip nozzles have built-in strainers. Features pressure gauge, brass nozzle and fold-up handle. *Quantity discounts available - call for details.



- 473P 3 Gallon, Piston Pump \$86.25 each
- 473D 3 Gallon, Diaphragm Pump \$87.75 each
- 425 4 Gallon, Piston Pump \$92.25 each
- 435 5 Gallon, Piston Pump \$107.85 each
- 475 4 Gallon, Diaphragm Pump \$94.85 each
- 485 5 Gallon, Diaphragm Pump \$107.85 each
- 425D 4 Gallon, Deluxe Piston Pump \$105.75 each
- 475D 4 Gallon, Deluxe Diaphragm Pump \$109.25 each

SOLO BATTERY POWERED BACKPACK SPRAYERS

This battery powered sprayer makes no noise and no emissions. Featuring a maintenance free 12V lead-gel rechargeable battery with express charging period of approx. 5.2 hours. The ergonomically shaped 5 gallon liquid tank is padded towards the back. Unbreakable 28" spray wand, 60" long spray hose for effortless arm movement. Robust manual trigger valve. Fitted pressure gauge is shock-proofed with silicone. Pressure and output volume adjustable with two-step toggle switch. Flat spray nozzle. Comfortable spray wand holder. High grade UV-resistant plastic materials. Large tank opening for easy filling and cleaning. Wide, padded and comfortable carrying straps with quick-release. Hip belt included. Empty weight without batter 10.5 lbs.



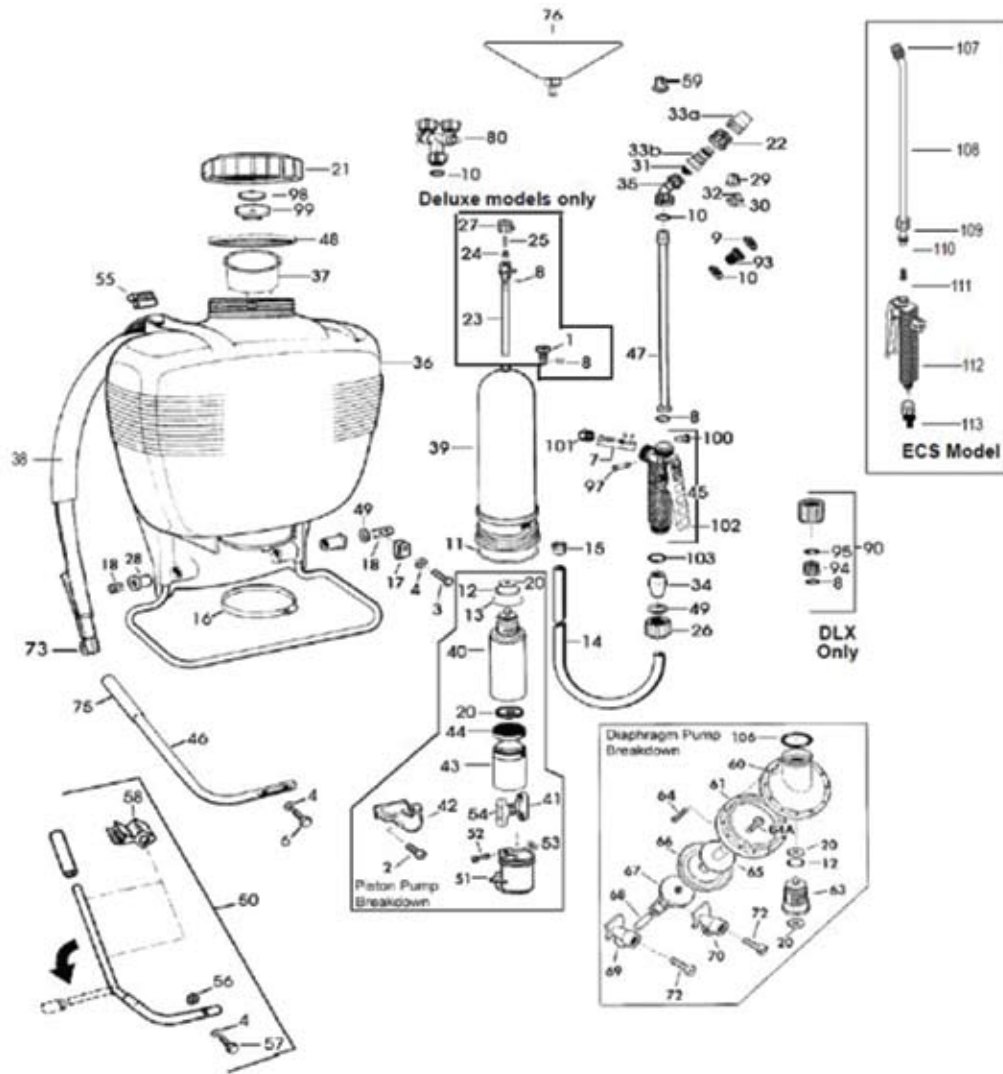
- SO416 \$345.95 each

SOLO MOTORIZED BACKPACK SPRAYER

25cc Honda four stroke GX 25 engine, This high-pressure sprayer from Solo reaches a controlled operating pressure of up to 435 psi, enabling it to achieve fine spray mist applications, even at extreme heights. Thanks to its push-pull piston pump, the powerful Honda Mini 4-stroke engine delivers a minimum flow rate of 0.5 gal/min at 435 psi. A drain connector at the bottom of the tank enables liquids to be drained completely. This sprayer is equipped with high quality dual flat fan jet nozzles and stainless steel nozzle screens and has a heavy-duty shut-off valve with pressure gauge. 18.3 lbs., 5.3 gallon capacity.



- SO433 \$655.95 each



PART	PART NUMBER	MODEL	DESCRIPTION	PRICE
1	4200215	425D,475D	Plug (Item 8 Incl.)	\$5.75
2	0010165		Bolt	\$1.75
3	0012185		Bolt	\$1.75
4	0030131		Washer	\$1.75
7	0610402-K		Shut-Off Valve Repair Kit	\$6.25
8	0062258		Gasket	\$2.25
9	0062106		O-Ring	\$2.25
10	0062115		O-Ring	\$2.25
11	0062291		O-Ring	\$2.25
12	0062139		O-Ring	\$2.25
13	0062140		O-Ring	\$2.25
14	0064234		Hose, 48" (Item 34 Incl.)	\$5.75
15	0066388		Hose Clamp	\$3.75

SOLO SPRAYER REPLACEMENT PARTS

PART	PART NUMBER	MODEL	DESCRIPTION	PRICE
16	0066394		Clamp	\$4.75
17	4043123		Stop Plate	\$3.20
18	4035111		Pump Shaft	\$4.00
20	4061257		Valve Plate	\$2.90
21	4200242		Red Tank Cap (Item 48, 98 & 99 Incl.)	\$4.75
	4200305	Heavy Duty	Black Tank Cap (Item 48, 98 & 99 Incl.)	\$7.75
22	4074148		Retaining Nut	\$2.75
23	4074323		Valve Body	\$4.75
24	4074350		Sealing Piece	\$1.90
25	0070260		Compression Spring	\$2.50
26	4074337		Retaining Nut	\$2.75
27	4074344		Control Knob	\$3.55
28	4074410		Bushing	\$1.95
29	4074263		Flat Spray Jet	\$1.95
30	4074756		Swirl Plate	\$1.45
31	4074283		Jet Filter	\$2.50
32	4074755		Jet Cap	\$2.45
33	4900527		Plastic Adjustable Nozzle (Includes A & B)	\$4.15
34	4074500		Clamp	\$2.65
35	4074527		Elbow	\$3.15
36	4200162	425, 474, 475, 476	Tank & Frame Assembly, 4 Gal.	\$19.95
	4200293	435, 485	Tank & Frame Assembly, 5 Gal.	\$114.95
37	4200166		Filter Basket	\$5.75
38	4300315		Carrying Strap (Item 73 Incl.)	\$4.75
39	4400240		Pressure Cylinder (Item 10, 23-25, 27 Incl.)	\$18.95
40	4400168		Cylinder Assembly (Item 12, 13, 20 Incl.)	\$9.95
41	4074409		Connecting Rod w/o Stud	\$2.10
42	4074262		Lever	\$4.65
43	4073558		Piston	\$11.25
44	4400189		Viston® Collar	\$11.95
45	4800170		Shut-Off Valve Assembly	\$14.95
46	4800173	425,475	Pump Lever (Item 75 Incl.)	\$9.75
47	4900230	Standard	Spray Wand, 20"	\$9.75
48	4061342		Gasket	\$3.85
49	0031356		Washer	\$1.75
50	4900454		Fold Away Handle (Item 58 Incl.)	\$12.25
51	4074677		Protective Cover	\$3.50
52	0010110		Bolt	\$1.60
53	0020101		Hex Nut	\$1.60
54	4074408		Connecting Rod w/ Stud	\$2.10
55	4074412		Buckle	\$0.90
56	0020119		Nut	\$1.60
57	0012192		Bolt	\$1.75



SOLO SPRAYER REPLACEMENT PARTS

PART	PART NUMBER	MODEL	DESCRIPTION	PRICE
58	4074996		Clip	\$2.50
59	0065210	Heavy Duty	Brass Flay Spray Nozzle	\$3.80
60	4073411		Housing (Diaphragm)	\$11.25
61	4073410		Flange	\$8.80
63	4400222		Valve Assembly (Item 12, 20 Incl.)	\$11.75
64	0018275		Screw	\$1.60
65	4074256	Replaces 4074247	Diaphragm Plate	\$10.95
66	4074245		Diaphragm	\$10.75
67	4074255	Replaces 4074233	Connecting Rod	\$3.80
68	4031130		Wrist Pin	\$4.85
69	4074234		"R" Connecting Bracket	\$2.90
70	4074243		"L" Connecting Bracket	\$2.90
72	0010141		Bolt	\$1.90
73	4074833		Hook	\$3.20
74	4900252		Hollow Cone Jet Nozzle (Item 30, 32 Incl.)	\$2.80
75	4074392		Grip	\$5.35
76	4900430		Drift Guard	\$16.75
80	4900477		Double Spray Nozzle	\$28.95
81	4900528		Extension Wand, 60"	\$32.95
89	4065189		Pressure Gauge Guard	\$3.75
90	4900622	Heavy Duty	Pressure Gauge w/ Connection Parts	\$28.95
92	4900513		Extension Tube, 20"	\$16.75
94	4074338		Retaining Nut	\$5.80
95	0062249		O-Ring	\$1.90
	0610410-P		Brass Adjustable Spray Nozzle Assembly	\$8.50
	4900207		Brass Adjustable Spray Nozzle	\$6.15
	4300343	Replaces 4300314	Shoulder Saver Harness	\$28.95
	4200205		Reduction Insert (Gaskets Incl.)	\$6.75
96-P	4900258N		Elbow Nozzle Assembly	\$6.25
97	4074295		Pin	\$1.45
98	4061464		Vent Plate	\$1.70
99	4074123		Vent Cap	\$1.55
100	4074329		Lock Clip	\$1.75
101	4074336		Retaining Nut	\$2.80
102	4074335		Lever	\$5.65
103	0062271		O-Ring	\$1.60
106	0062324		O-Ring	\$1.60

SPECIAL PARTS & ACCESSORIES (NOT SHOWN IN PARTS LIST)

4900310N	Conversion Kit (from Piston to Diaphragm Pump).....	\$26.50 each
0610406-K	Diaphragm Pump Repair Kit (Includes: 8, 11-13, 2 ea. 24, 25, 66).....	\$19.25 each
0610407-K	Piston Repair Kit (Includes: 10-13, 20, 2 ea. 24, 25, 44).....	\$19.25 each
0610409-K	Piston, Rod & Collar Kit (Includes: 41-44, 54).....	\$19.25 each
0610411-K	Wand Repair Kit (Includes: 7-10, 22, 26, 34, 49, 103).....	\$19.25 each
4400203	Piston Pump Assembly 425, 435 (Includes: 1, 8, 11, 12, 13, 20, 2 ea. 39, 40, 41, 42, 43, 44, 54).....	\$28.95 each
4400221	Diaphragm Pump Assembly 475, 485.....	\$28.95 each
	(Includes: 1, 8, 11, 12, 20, 2 ea. 39, 61, 63, 64, 13 ea. 65, 66, 67, 68, 69, 70, 72, 2 ea. 106)	

CHAPIN® SPRAYERS



TRIGGER MISTER - 32OZ./960ML

- 32oz. Multi-Purpose Trigger Sprayer
- Multi-use power mister
- Great for watering house plants and flowers



1055\$3.95 each

HOME & GARDEN SPRAYER

Home & Garden multi-purpose sprayer for Herbicides, Pesticides, Fertilizers and General Cleaning

- In-tank filter
- Poly tank
- Ergonomic pump handle
- Adjustable cone-to-straight spraying nozzle
- Comfortable trigger shut off



16100 1 Gallon\$13.95 each
16200 2 Gallon\$18.95 each

SURESPRAY™ SPRAYER

3.0 gallon SureSpray™ Multi-purpose sprayer for Herbicides, Pesticides, Fertilizers and general cleaning

- SureSpray™ Anti-clog Filter
- Translucent Tank
- Ergonomic pump handle
- Funnel top for easy filling



20003\$31.95 each

POLY PRO SERIES SPRAYER - XP MODEL

3 gallon Pro Series poly sprayer for the lawn & landscaping professional. Now with 40% more pump volume per stroke.

- Viton® seals and gaskets
- Cushion grip shut-off with internal filter
- SureSpray® Anti-clog Filter
- Pressure relief valve



26031XP\$48.99 each

PROSERIES BACKPACK SPRAYER

4 gallon backpack sprayer with deluxe features for the landscape & turf professional

- 3 Stage Filtration system
- 4" Wide Opening with Strainer/Filter Basket
- Padded Shoulder Straps
- 3 pc nozzle pack (fan, cone and adjustable brass)



61800 Piston Pump\$89.95 each
64800 Diaphragm Pump\$89.95 each

COMMERCIAL DUTY JET CLEAN DUAL DISPLACEMENT PUMP BACKPACK SPRAYER

- Use for fertilizers and herbicides
- 3 Stage Filtration System
- Strainer basket, filter in piston cylinder, and filter in shut-off
- 6" Cap with Handle
- Largest backpack opening for easy cleaning and filling
- 6 inch wide mouth opening for easy filling and access to internal components
- Dual Displacement Pump
- Piston and diaphragm pump configuration virtually eliminates leaking from the pump
- In-Tank Removable Filter catches anything that gets by the strainer basket when filling and attaches to the inlet filter at the piston
- Jet Clean Self Cleaning Pump
- Every downstroke of the pump handle sends a powerful burst to keep the removable filter from clogging with unwanted debris
- Multiple Nozzles Included
- A choice of nozzles to distinguish spray pattern or volume of spray
- Viton® Seals in necessary key areas.



63900 4 Gallon\$113.95 each

INDUSTRIAL VITON® CONCRETE OPEN HEAD SPRAYER

3.5 gallon TriPoxy coated Sprayer with Viton™ Seals for the Concrete Professional

- Viton® seals and Gaskets
- TriPoxy Steel Tank with Large Tri-Lock opening
- Brass Spray handle, wand and Nozzle
- Brass Pump

1949 3.5 gallon Sprayer\$129.95 each



REPLACEMENT PARTS FOR 1949 CONCRETE OPEN HEAD SPRAYER

P/N	PART NAME	DESCRIPTION	PRICE
6-4627	Industrial Repair Kit	Genuine Chapin industrial Seal and Gasket Kit. For use with Industrial open head sprayers.	\$15.95
6-5797	Brass Nozzle Assembly	.5 GPM Industrial Fan Tip w/ Adapter - Female	\$6.95
6-6091	48" Replacement Hose w/fittings	Genuine Chapin replacement 48" hose for sprayers with a threaded brass connection to tank.	\$28.95
6-7703	24" Brass Curved Sprayer Wand	Genuine Chapin replacement 24" curved brass wand with male nozzle thread. Will adapt to any brass discharge.	\$13.95



6-4627



6-6091



6-5797



6-7703

**Only the most popular Chapin® items are listed here. Full line of Chapin® available. Call for details*

HOSES/NOZZLES

GILMOUR FLEXOGEN® 10 SERIES

- 8-ply construction – 500 PSI burst strength
- Double tire cord reinforced for strength
- Lightweight, coils and handles easily
- Flow Guard Plus™ protective collar on 5/8" and 1/2" hoses resists kinks at faucet
- Heavy-duty, crush resistant, Full-Flo™ machined metal couplings on 1".3/4".5/8" with built-in washer for tight sealing
- Kink resistance
- Polished surface resists abrasions, stains, and mildew



10-58025	5/8" X 25'	.....	\$20.75 each
10-58050	5/8" X 50'	.....	\$34.95 each
10-58075	5/8" X 75'	.....	\$50.75 each
10-58100	5/8" X 100'	.....	\$68.75 each

COMMERCIAL INSULATED PISTOL GRIP NOZZLE W/THREADED FRONT

- Male hose threaded front for attaching accessories
 - Heavy-duty, full size, die cast zinc body
 - Ideal for commercial or industrial use
 - Insulated molded grip for spraying hot or cold water
 - Brass head insert for maximum resistance to hot water
 - Solid brass valve stem with permanent adjusting nut
 - Hold-open clip for continuous spraying
 - Rust resistant stainless steel spring
 - Self-adjusting "duck" packing for lifetime leak proof seal
 - For use with hot water rated hose
- 572TFR..... \$8.95 each



INSULATED PISTOL GRIP NOZZLE

- Male hose threaded front for attaching accessories
 - Rubber head guard to protect threads
- 571TFR..... \$6.95 each



GILMOUR FULL SIZE ZINC PISTOL GRIP NOZZLE

- Solid brass valve stem with permanent adjusting nut
 - Hold-open clip for continuous spraying
 - Rust resistant stainless steel spring
 - Self-adjusting "duck" packing for the ultimate leak proof seal
 - Heavy-duty, full size, die
- 573..... \$4.50 each
573TFR w/Threaded Front \$4.75 each



COMMERCIAL RUBBER/VINYL 29 SERIES

- Reinforced layers add strength and flexibility
 - 6-ply construction
 - 500 PSI burst strength
 - Double reinforced for commercial strength
 - Heavy-duty metal couplings with O-ring for tight seals
 - Kink resistance
 - Rugged gray cover resists minor abrasions
- | | | | |
|----------|-------------|-------|--------------|
| 29-58050 | 5/8" X 50' | ..... | \$25.95 each |
| 29-58075 | 5/8" X 75' | ..... | \$40.95 each |
| 29-58100 | 5/8" X 100' | ..... | \$53.95 each |



SOLID BRASS TWIST NOZZLE

- All brass valve stem
 - Four large openings at nozzle tip for full flow
 - Replaceable front and rear O-ring seals for leakproof shut-off
 - Precise tip angle eliminates side spray
 - Adjustable from fine spray to needle stream to heavy rinse
 - 3 quick turns from close to open
 - Heavy-duty solid brass construction
- 528T..... \$9.75 each
6+..... \$8.75 each



POWER FLOW ADJUSTABLE SPRAY STRAIGHT NOZZLE

- All metal body and handle
 - Curved design for better hand fit
 - Overmold for comfortable handling
 - Flow control built-in
 - Large easy-turn dial
- 4TW..... \$10.50 each



MULTI-PURPOSE 30L LOW-PRESSURE GUNJET

- The Model 30L GunJet spray gun can product flow rates of up to 5 GPM
 - Maximum operating pressure – 250 psi.
 - Outlet connection is 11/16"-16 TeeJet® thread
 - Body and trigger are molded of tough nylon.
 - Viton® seals are chemical resistant.
 - The GunJet can be used with the Solo backpack sprayers to apply a variety of forestry herbicides such as Velpar L, Oust, Arsenal, Garlon and more.
- 30L GunJet Spray Gun \$91.95 each



SPRAYERS/SPREADERS

GREAT DAY SUPERSPOT SPRAYERS

SuperSpot sprayers are available in 15, 25 and 40 gallon models. All sprayers are designed to conveniently strap to ATV rear racks or UTV beds without need of hardware or wrenches. Tanks are corrosion-proof polyethylene and come equipped with a 12-volt 60 PSI or 45 PSI pump. A hand-wand spray nozzle with 6 feet of hose, splash-proof vented lid, a toggle cut-off switch, large 15" fill well and a drain valve come standard on all models. The SuperSpot hand-wand can be set to deliver a fine mist for delicate, controlled applications or adjusted to reach out to 25 ft.



- GDSS25 15 Gallon Sprayer Unit 1.8 GPM..... \$313.00 each**
- SS2545 25 Gallon Sprayer Unit 2.8 GPM..... \$441.00 each**
- SS4060 40 Gallon Sprayer Unit 1.8 GPM..... \$372.00 each**
- SS4045 40 Gallon Sprayer Unit 2.8 GPM..... \$473.00 each**

GREAT DAY SUPERSPOT BOOMS

SuperSpot Booms are multifunctional sprayers ideal for use around the farm and hunting site. These booms are spring hinged, swing-away booms that allow the end of the boom to move away when coming into contact with an obstacle preventing damage to the boom.



- SS909 10 ft. Swing-Away Boom \$240.00 each**
- SS911 10 ft. Swing-Away Boom w/2" Receiver Mount \$300.00 each**

CHAPIN® PROFESSIONAL BAG SPREADER/SEEDER

- 25lb. Capacity
- Waterproof, Heavy Duty Zipper Top Bag
- Enclosed Gear Box
- Padded, Adjustable Shoulder Strap
- This battery powered backpack sprayer features a 12-volt rechargeable battery. No pumping needed.



84600A..... \$37.95 each

CHAPIN® SURESPREAD ALL SEASON PUSH SPREADER

- 80lb Capacity
- Chapin SURESPREAD™ TECHNOLOGY Ensures an Even Pattern & Distribution of Product by Combining;
- Unique Edge Control to Easily Direct Product Distribution Innovative Gate Design & Placement allows for a wide spread pattern and increased coverage – Get the job done quickly!
- Positive Stop Dial for Precise Gate Adjustment
- 12" Fully Pneumatic Tires Easily Handle Rough Terrain
- Heavy Duty Steel Frame Fully Supports Hopper at Its Base
- Enclosed Acetal Gears are Protected from Debris and the Elements
- Application chart to dial in the correct application setting



80080 \$99.95 each

EARTHWAY MODEL 3100 SHOULDER SPREADER

The 3100 Professional Hand Crank spreader is your ideal broadcast spreader when you need to spread granular material in wet areas, over uneven terrain, or in places a push spread could not go.



With the EV-N-SPRED® PRO Dual Port Adjustable Shut-Off System, the user can infinitely balance the spread pattern based on material size, weight, and flight characteristics, and the Super-duty high-speed gearbox, spread widths of 15' are common. Epoxy powder coated tubular steel chassis with integrated stand, wide comfortable carrying straps.

- 003100 \$127.95 each**
- 3+ \$118.95 each**

EARTHWAY MODEL 2750 OVER-THE-SHOULDER BROADCAST SPREADER

The corrosion, tear and weather resistant 20 lb. nylon bag hopper is equipped with a zippered top for easy filling and closure. This nylon construction allows for the bag to remain upright when filling yet collapse for easy storage.



The Exclusive Rocking Agitator provides smooth, even material feeding to the distribution plate. The high speed direct drive gear box allows the operator to adjust the spread width between 8'-12' by simply changing the crank rate. Complete directional control and spring to close shut-off makes the 2750 the ultimate choice in hand operated spreaders.

- 2750 \$39.95 each**

EARTHWAY EV-N-SPRED® MODEL 2050P ESTATE SPREADER

The EarthWay® exclusive EV-N-SPRED® 3-Hole Drop Shut-Off System and heavy-duty gearbox ensures an even application of all granular materials with professional results.



The fingertip rate control provides easy control and balance of material application unmatched in the industry.

The rustproof 80 lb capacity hopper and 10" pneumatic stud type tires bring capacity and smooth operation to the homeowner. To make establishing the correct setting rate for any product easy, we include a rate calculation Matrix for use with all of today's granular products including organic materials, to give you the best setting available. Comes completely assembled.

- 2050P \$110.95 each**

ARSENAL® AC HERBICIDE

A surfactant free aqueous solution to be mixed in water and generally applied as a post-emergent spray for control of most annual and perennial grasses, broadleaf weeds, vines, brambles, hardwood brush and trees for forestry site preparation and release of conifers from woody and herbaceous competition. Arsenal AC may be used for selective woody and herbaceous weed control in natural regeneration of certain conifers. It is also recommended for control of undesirable vegetation along forest roads, non-irrigation ditch banks and the establishment and maintenance of wildlife openings. Arsenal AC may be applied using helicopters, ground operated sprayers, and low-volume hand-operated spray equipment.



ARSENAL-AC-25 2-1/2Gallons.....\$465.95 each

DUPONT™ ESCORT® XP

Escort is a selective herbicide used at low use rates to control noxious weed, brush and problem broadleaves on non-crop, rangeland, pastures and forestry sites with excellent grass tolerance and environmental safety. Can be tank mixed with many other products to achieve greater control. Excellent for removing Bahia grasses and other weeds from Bermuda, good on most vines, excellent on ash, elm, Chinese tallow, red maple, locust and others.



ESC16OZ 16 oz. Container \$178.00 each
2+ \$168.00 each

GARLON® 3A HERBICIDE

Garlon 3A is a herbicide recommended for the control of unwanted woody plants, annual and perennial broadleaf weeds in non-crop areas including industrial manufacturing, rights-of-way such as electrical power lines, communication lines, pipelines, roadsides, railroads, fence rows, non-irrigation ditch banks and around farm buildings. Use on these sites may include application to grazed areas as well as establishment and maintenance of wildlife openings and forest areas. Species controlled by Garlon 3A include alder, ash, birch, black gum, cherry, cottonwood, dogwood, elm, locust, maple, oak, persimmon, pine, poison ivy, poison oak, saltbush, sumac, sweet gum, wax myrtle, willow, ragweed, vetch and dandelion. For best results, application by foliar should be made when woody plants and weeds are actively growing.



GAR3A2.5 2.5 gal. Container \$235.00 each

GARLON® 4 ULTRA HERBICIDE

Garlon 4 Ultra herbicide is used in the control of unwanted woody plants, annual and perennial broadleaf weeds in forests, on permanent pastures, rangeland, rights-of-way, industrial sites, non-irrigation ditch banks and roadsides.

Both Garlon 3A and Garlon 4 Ultra are extremely effective on specific species of actively growing woody brush and broadleaf weeds, however Garlon 4 Ultra is more effective in late season application since it contains a higher percent of Triclopyr.



GARLON4 2.5 gal. Container\$258.00 each

DUPONT® OUST® XP

Oust herbicide is a dispersible granule that is mixed in water and applied as a spray. Oust controls many annual and perennial grasses and broadleaf weeds in forestry and non-crop sites. Oust may be used for general weed control on industrial non-crop sites and for selective weed control in certain types of unimproved turf grasses on industrial sites.



Oust controls weeds by pre-emergence control. When rainfall is low, it may not provide satisfactory control. Oust may be used in both conifer and hardwood site preparation and release. Total vegetation control can be achieved with higher rates of Oust plus residual-type companion herbicides on non-crop, industrial sites such as airports, military installations, fence rows, roadsides and associated rights-of-way, lumberyards, petroleum tank farmers, pipeline and utility rights-of-way, pumping installations, railroads, storage areas, plant sites and other similar areas including governmental and private lands.

OUST 3 lb. Bottle.....\$217.95 each

PATHFINDER II HERBICIDE RTU

Pathfinder II is a specialty herbicide for controlling unwanted trees via cut surface treatments and basal bark applications in forest and other non-crop land areas such as fence rows, roadsides and rights-of-way. This product is ready-to-use.



PATH2.5 2.5 gal. Container \$152.95 each
2+ \$143.95 each

RAZOR® PRO HERBICIDE

This product, a water-soluble liquid, mixes readily with water to be applied as a foliar spray for the control or destruction of most herbaceous plants. It may be applied through most standard industrial or field-type sprayers after dilution and through mixing with water in accordance with label instructions. Active Ingredients: Glyphosate, N-(phosphonomethyl) glycine in the form of its isopropylamine salt – 41%, Other ingredients – 59%.



RAZORPRO2.5 2.5 gal. Container \$58.95 each
2+ \$53.95 each

RODEO® AQUATIC HERBICIDE

Rodeo is a post emergent systemic herbicide with a broad-spectrum control of many annual and perennial weeds, woody brush and trees. This product is labeled for aquatic applications. This is a glyphosate product.



RODEO-2.5 2.5 gal. Container\$80.95 each

HERBICIDES/FERTILIZERS/DYES & SURFACTANTS

ROUNDUP® QUIKPRO® GRANULAR HERBICIDE

These dry formulation packets make herbicide application easy. This water-soluble herbicide is easy to store and a no-brainer to use. One pack makes one gallon of solution and is great for backpack and hand sprayers.



RU Box of (5) 1.5 oz. Packets\$15.75 each

ROUNDUP® PRO HERBICIDE

This water-soluble liquid is a post-emergent, systemic herbicide with no soil residue activity. It gives broad spectrum control of many annual weeds, woody brush and trees. It is formulated as a water-soluble liquid containing 14.5% surfactant and no additional surfactant is needed or recommended. This product moves through the plant from the point of foliage contact and into the root system.



RU-PRO2.5 2.5 gal. Container \$89.95 each
2+ \$84.95 each

DUPONT® PERSPECTIVE HERBICIDE

For control of susceptible weeds and certain woody plants, including invasive and noxious weeds, on rangeland, permanent grass pastures, Conservation Reserve Program (CRP) acres, non-cropland areas including industrial sites, rights-of-way (such as roadsides, electric utility and communication transmission lines, pipelines, and railroads), non-irrigation ditch banks, natural areas (such as wildlife management areas, wildlife openings, wildlife habitats, recreation areas, campgrounds, trailheads and trails), and grazed areas in and around these sites.



PERSPECTIVE-1.25 1-1/4 lb Container \$145.95 each
PERSPECTIVE-5 5 lb Container \$575.50 each

DUPONT® STREAMLINE HERBICIDE

Streamline herbicide is a dispersible granule that is mixed in water and applied as a spray. Streamline is registered for general weed and brush control on private, public and military lands as follows: uncultivated non-agricultural areas (such as airports, highway, railroad and utility rights-of-way, sewage disposal areas, etc.); uncultivated agricultural areas - non-crop producing (such as farmyards, fuel storage areas, fence rows, non-irrigation ditchbanks, barrier strips, etc.); industrial sites - outdoor (such as lumberyards, pipeline and tank farms, etc.) and natural areas (such as wildlife management areas, wildlife openings, wildlife habitats, recreation areas, campgrounds, trailheads, and trails).



STREAMLINE-3 3 lb Bag \$395.00 each
STREAMLINE-20 20 lb Bag\$2,470.00 each

HI-LIGHT DYE LIQUID

Hi-Light is a water soluble blue dye designed to mark your applications so the misses are controlled. Blue

HILGHT1QT One Quart \$31.95 each
12+ \$29.75 each
HILGHT1GAL One Gallon \$76.95 each
4+ \$71.00 each

SAHARA® DG HERBICIDE

Just one application of Sahara DG provides complete burn-down and total bare-ground control of 150 species of annual and perennial grasses, broadleaf weeds and vines. And Sahara DG keeps new weeds from emerging for months. Ideal for guardrails, medians, shoulders, substations, barriers, delineators and signposts, Sahara DG is compatible with drift control agents, and, when used according to label directions, won't impact nearby vegetation – even sensitive crops.



SAHARADG 10 lb. Bag \$179.95 each

RM43™ TOTAL VEGETATION CONTROL

RM43™ 43% Glyphosate Plus Weed Preventer. RM43™ offers season-long control of grasses, weeds, brush, vines and trees. This concentrate kills existing vegetation as well as prevents future growth of listed species. Use RM43™ only on locations where no vegetation growth is desired for up to one year. RM43™ can be used for total vegetation control on bare grounds or for spot control of brush, vines, and weeds. Use for Kudzu, Poison Ivy, Poison Oak, and many others — RM43™ controls over 150 grasses, weeds, brush, vines, and trees.



RM43-QT Quart\$29.95 each
RM43-GAL Gallon\$64.95 each
RM43-2.5GL 2.5 Gallon.....\$119.95 each

CIDE-KICK II® SPRAY ADJUVANT/SURFACTANT

Breaks down waxy surface on leaves and penetrates bark, making for easier penetration of herbicides. 1 gal. Container. Recommended for use with Garlon® 4 Ultra, Arsenal, Accord® and other herbicides.



CIDKICII1GL..... \$33.95 each
4+ \$30.95 each

EZ-20 SELF-DISPENSING POND FERTILIZER

Allows the fertilizer to dissolve slowly with the upper 3 to 4 feet of water where algae and oxygen are most plentiful. This Southern Excellence Self Dispensing Methodology reduces stress upon the ecosystem while promoting optimum utilization of the fertilizer, eliminating waste and dramatically reducing problem bottom vegetation. Simply extend anchor and place in 4 to 6 feet of water. One bucket will fertilize a pond up to 5 acres in size for one month. Continue use until late fall for maximum fish production.



EZ-20..... \$42.95 each
6+ \$40.95 each
12+ \$38.95 each

BAS-OIL RED® DYE

- Bas-Oil Red dye can help you by marking your treatments
- Use this product with oil or diesel carriers and be certain of what was treated
- 16 oz. container



BASOILRED1PT..... \$44.95 each

GRAFTING SUPPLIES

PARAFILM M FILM

Originally made for use in laboratories to seal lab ware, Parafilm M has become a standard in the grafting industry. It provides waterproof, moisture proof protection for plant grafts. Can be stretched and folded around even sharp surfaces without rupturing. Comes in rolls, interlined with paper to prevent sticking – packaged in cardboard dispensing cartons.



- PM996 4" x 125'\$39.95 each
- PM992 2" x 250'\$39.95 each

TREEKOTE™ TREE WOUND DRESSING

Protects your shrubs, bushes, vines and trees from decay, insects and fungi. Apply to freshly pruned areas to shield tree wounds.

- Withstands all weather – hot, cold, wet and dry
- For patching damaged areas of trees and shrubs
- For use in tree surgery
- For propagating orchards
- For after grafting



- 00128 One Gallon Tub.....\$26.95 each
- 4+\$24.50 each
- 00212 12 Ounce Aerosol Can\$8.95 each
- 12+\$7.50 each
- 00016 16 Ounce Brush-top Plastic Container\$7.50 each
- 00032 32 Ounce Brush-top Plastic Container\$10.50 each

CLARK'S TREE WRAP

Protects your trees against sunscald, severe frosts, rodents, wind burn and lawn trimmers.

- Preserves moisture content of bark
- Prevents excessive dripping



- 00304 4" x 150'\$12.50 each

TROWBRIDGE'S GRAFTING WAX

- Seals grafts and keeps stems from drying out
- Helps new grafts resist disease



- 00001 1 lb. Package\$9.50 each

EATON BROTHERS RUBBER BUDDING STRIPS

These budding strips save time and labor because of faster application and no preparation time. They are easily and quickly attached, provide even pressure over entire bound area and expand with growth. Because of greater protection, the buds knit faster and a better stand is assured. They automatically loosen in a few weeks because they are self releasing.



8" LONG, 3/8" WIDE, .020 GAUGE:

- 17408 1 lb. Package (*450 strips) \$24.50 each
- 17408-4 4 oz. Package (*112 strips) \$8.50 each
- 17408-8 8 oz. Package (*225 strips) \$12.50 each
- 17408-5LB 5 lb. Package (*2,250 strips)..... \$105.95 each

6" LONG, 1/4" WIDE, .020 GAUGE:

- 1124 1 lb. Package (*1,080 strips)..... \$24.00 each
- 1124-4 4 oz. Package (*270 strips) \$7.50 each
- 1124-8 8 oz. Package (*540 strips) \$11.50 each

5" LONG, 1/4" WIDE, .020 GAUGE:

- 1121 1 lb. Package (*1,700 strips)..... \$19.95 each
- 1121-4 4 oz. Package (*425 strips) \$7.50 each
- 1121-8 8 oz. Package (*550 strips) \$11.50 each

*Approximate number of strips

TREEKOTE™ COMPLETE TREE GRAFTING KIT

This kit comes with everything needed for the beginner or the experienced grafter – excellent for hobbyist and for educational purposes. Each kit contains the following:

- 1/4 lb. package of Trowbridge Grafting Wax
- 1 quality Victorinox Grafting Knife
- 1 roll of Grafting Tape
- Complete & easy to follow instructions



- 00616 Treekote Kit..... \$42.95 each

4 Types of Grafting:



- Bud Grafting
- Cleft Grafting
- Whip Grafting
- Side Grafting

GRAFTING KNIVES

VICTORINOX HORTICULTURAL KNIVES

Acclaimed by users everywhere, Victorinox brand grafting and pruning knives are constructed with quality stainless steel blades and nylon handles with solid brass linings.

Lightweight Grafting and Pruning Knife

- Lightweight knife for light pruning
- 2" blade
- 3-3/4" brass lined handle
- Weight: 2 oz.



19-010 Black\$19.50 each
 39-010 Red.....\$16.95 each

Rose Budding Knife

- Rose budding knife with straight blade and bark lifter
- 2-1/4" blade
- 3-1/2" brass lined handle
- Weight: 2 oz.



39-020 Red.....\$17.95 each

Fruit Tree Pruning Knife

- Fruit tree budding knife with curved blade and bark lifter
- 1-3/4" blade, 1/2" serrated thumb support
- 4" brass lined handle
- Weight: 2 oz.



39-040 Red.....\$19.50 each

All Purpose Grafting & Pruning Knife

- Small, yet strong
- 2-1/4" blade
- 3-1/2" brass lined handle
- Weight: 2 oz.



39-050 Red.....\$13.75 each

All-Purpose Budding Knife

- 2" blade
- 1-1/4" solid brass bark lifter
- 3-1/2" brass lined handle
- 2-1/2 oz.



19-110 Black\$33.50 each
 39-110 Red.....\$28.95 each

Heavy Pruning Knife

- Heavy pruning knife, good for de-suckering
- 3" curved blade
- 4-1/4" brass lined rosewood handle
- Weight: 3-1/4 oz.



19-300 \$42.95 each

* Full Line of Victorinox Horticultural Knives Available.

TINA GRAFTING KNIVES



Made in Germany, TINA horticultural knives are world renowned for excellence in workmanship. TINA

knives are the highest quality, precision knives available to the horticultural industry. Every TINA blade is hand forged and each handle is individually carved and shaped. It is well known that TINA cutlery needs less sharpening. A superior edge-holding quality saves valuable time and promises a perfect cut.

TINA Model T605

- Grafting and all-purpose knife
- 2-1/2" folding blade
- 4" polished walnut handle
- Weight: 2 oz.



T605 Right Handed.....\$105.50 each
 T605L Left Handed.....\$115.95 each

TINA Model T608

- Standard grafting knife
- 2-1/4" folding blade
- 4" polished walnut handle
- Weight: 2 oz.



T608\$105.50 each

TINA Model T600-A12

- Extra heavy grafting knife
- 3" folding blade
- 4-1/2" specially shaped polished walnut handle
- Weight: 4 oz.



T600-A12.....\$139.25 each

TINA MODEL T640-10

- Combination budding and grafting knife
- Excellent for fruit stock budding
- 2-1/4" folding blade
- 4" polished walnut handle
- Weight: 1-1/4 oz.



T640-10 Right Handed.....\$113.25 each
 T640-10L Left Handed.....\$124.50 each

*Full Line of TINA Grafting Knives Available

**NEED TO SPECIAL-ORDER
ARBORIST PRODUCTS?**



Construction
Safety
Products,
Inc.

Call our friendly and knowledgeable sales consultants for answers to any questions you may have:

1-800-592-6940



GREENTEETH® STUMP GRINDING TEETH

Patented design gives you the ability to rotate each tooth to a new edge in a matter of seconds using only a standard wrench. This allows for up to three fresh cutting edges! You do not even have to remove the pocket! The result is a longer cutting life from each tooth.

Designed with a carbide concave dish as the cutting edge. This innovative design allows Greenteeth to shear rather than shred. Shearing is a smoother motion that requires less power exertion from the machine and allows for faster, more efficient stump cutting.

All pockets and bolts are made with through-hardened alloy steel. Greenteeth are manufactured using specifically formulated carbide to offer you a high quality tooth with a long cutting life. They are designed to work on all standard cutting wheels. Each tooth fits securely into each pocket with no gauging required. Enjoy 30 seconds to a new cutting edge!

1100 Series

For the largest machines on the market, we offer the 1100 series teeth & pockets. These pockets come in a counter-bore & threaded version of each the angle, straight, & reverse pocket. In order to accommodate a variety of different models of stump grinders, we also carry these in both 2-hole & 3-hole versions.

- 1100GREEN Standard Dish Green Tooth.....Call for Current Pricing
- 1100-CB Counterbore Angle Pocket.....Call for Current Pricing
- 1100-TH Threaded Angle Pocket.....Call for Current Pricing



GREENBOLTS

Used only with the 1100 Series, the Greenbolt has an external drive head for easy installation and removal. The smooth shank provides strength and minimizes wheel wear. Extraction slot at the end of the bolt for easy removal in case of breakage.

- GB-200 2" Call for Current Pricing
- GB-214 2-1/4" Call for Current Pricing
- GT3B 3" Call for Current Pricing



900 Series LoPro™ & 700 Series LoPro™ Teeth & LoPro™ Pockets

Available in a straight, angle, & reverse. Every LoPro™ pocket is designed to have each a threaded & counter-bored hole, so every pocket can fit on either side of the wheel.

The LoPro™ series of pockets have a slim design that allows for a 3/4" clearance between the side of the pocket and the stump. This clearance prevents the pocket from rubbing against the stump, which reduces pocket wear and improves overall performance.

- 900TH-G 900 Series Standard Dish Green Tooth Call for Current Pricing
- 900TH-R 900 Series Deep Dish Red Tooth..... Call for Current Pricing
- 900LP-A 900 Series LoPro Angle Pocket..... Call for Current Pricing
- 900LP-R 900 Series LoPro Reverse Pocket..... Call for Current Pricing
- 900LP-S 900 Series LoPro Straight Pocket..... Call for Current Pricing
- 700TH-G 700 Series Standard Dish Green Tooth Call for Current Pricing
- 700LP-A 700 Series LoPro Angle Pocket Call for Current Pricing
- 700LP-R 700 Series LoPro Reverse Pocket..... Call for Current Pricing
- 700LP-S 700 Series LoPro Straight Pocket..... Call for Current Pricing



LOPRO™ BOLTS

- Designed specifically to fit the angled shoulder of the LoPro™ pockets
- 1/2" Allen Drive
- Smooth shank that reduced wheel wear
- Extraction slot at the end of the bolt for easy removal in case of breakage
- All LoPro™ bolts should be torqued from 180 to 200 ft. lbs. (244Nm)

- LP-134 1-3/4"Call for Current Pricing
- LP-200 2"Call for Current Pricing
- LP-214 2-1/4"Call for Current Pricing
- LP-212 2-1/2"Call for Current Pricing



SAMSON ROPE



ARBORMASTER 16-STRAND 1/2" CLIMBING ROPE

A premium quality 16-strand line offering a smooth surface for "footlock" and exceptional durability. Made from specially treated polyester with a stabilized nylon core. BlueStreak is identified by alternating blue and white strands with a red and green internal ID marker. Features include:



- Maximum firmness for the "Footlock" climbing technique
- High visibility in trees
- Low stretch
- 1/2" diameter ensures an easier grip & minimizes fatigue
- Excellent knot-heat resistance
- Maintains excellent service flexibility

***Also available in Hawkeye (Bright Green & Gray)**

***All colors also available in 200'**

***Call for more information**

- 276-160-2P (Blue Streak) 1/2" x 120'\$131.75 each
- 276-160-5P (Blue Streak) 1/2" x 150'\$154.95 each
- 276-160-69 (Blue Streak) 1/2" x 600'\$575.95 each
- 3480329 (Red, Black & White) 1/2" x 150'\$154.95 each

TRUE BLUE 12-STRAND 1/2" CLIMBING ROPE

True-Blue braided climbing line is a unique combination of extrusion set blue polyester fiber wrapped over a white polyester core in a Samson 12-strand "Dura-Tite" braid. This 100% polyester braid also has each of the twelve strands coated with Samthane™ finish that adds maximum wear life and consistent knot control. The outer blue polyester fibers also have Samson's "Parallay" parallel fiber orientation that minimizes fiber wear on rough surfaces and prolongs rope working life. True-Blue offers the highest level of performance in a high strength, low stretch climbing line with maximum wear resistance and a highly visible blue color. Features include:



- Maximum wear life
- Low-stretch & high strength
- Non-rotational
- Maintains excellent flexibility
- Stays firm and round in use

- 281-160-2P 120' Polybag\$123.95 each
- 281-160-5P 150' Polybag\$159.95 each
- 281-160-69 600' Reel\$595.95 each

SAMSON ZING-IT!



Made from Dyneema® fiber, this twine yields the highest strength, lightest weight, lowest stretch and longest wear life available. The Samthane™ urethane coating adds to the twine's wear life, ensures the knot-holding capability of the twine, and gives the twine its distinctive yellow color.

- 8110171 1.75MM x 180'\$30.95 each

ARBOR-PLEX 12 STRAND CLIMBING ROPE AND RIGGING LINE

Arbor-Plex combines polyester & polyolefin fibers in a Dura-Tite construction. The Dura-Tite braiding process tightens the braid to keep the rope round and firm for knot control and to allow the strands to be snag resistant. Tough polyester jacket fibers surround the polyolefin center fibers to maximize resistance to wear and fiber fusing while creating a lightweight high-strength rope. The outer polyester fibers utilize Samson's Parallay fiber orientations that prolongs rope life by minimizing the sawing actions of fibers over rough surfaces. Features include:



- Excellent wear and snag resistance
- Excellent knot holding ability
- Non-rotational, hangs straight
- Works well when wet
- Rot & mildew resistant

- 280-160-2P 1/2" x 120' Polybag\$84.95 each
- 280-160-5P 1/2" x 150' Polybag\$102.95 each
- 280-160-69 1/2" x 600' Reel\$385.50 each
- 280-200-5P 5/8" x 150' Polybag\$175.95 each
- 280-200-69 5/8" x 600' Reel\$634.50 each
- 280-240-5P 3/4" x 150' Polybag\$242.95 each

PRO-MASTER RIGGING ROPE - BULL ROPE

A firm and balanced three-strand rope offering reliability as well as economy. It holds its shape even under heavy use and the spun fiber on the surface offers excellent grip and knot holding. It is identified by a green surface tracer. For performance and price, there isn't a better three-strand rigging rope in the marketplace. Features include:



- Lightweight & easy to handle
- High strength & low stretch
- Excellent knot holding
- Can be stored wet or dry
- Excellent chemical resistance

- 176-200-5P 5/8" x 150' Polybag\$125.95 each
- 176-240-5P 3/4" x 150' Polybag\$160.95 each

COATED STABLE BRAID FOR RIGGING LINES

Stable braid is 100% polyester double braid construction that is high strength, low stretch, low snag and durable. Bright Samthane™ coating improves visibility and enhances resistance to abrasion and snagging. Features include:



- High strength-to-weight ratio
- Flexible & easy to handle
- Minimal UV degradation
- Torque-free

- 800-246-5P 3/4" x 150' Polybag (Orange)\$275.95 each
- 806-03280 1/2" x 150' Polybag (Blue).....\$140.95 each
- 806-040-40 5/8" x 150' Polybag (Red).....\$217.95 each
- 800-285-60 7/8" x 150' Polybag (Green).....\$401.25 each

	TRUE BLUE	BLUESTREAK	ARBOR-PLEX	ARBOR-PLEX RIGGING	PRO-MASTER	STABLE BRAID
Size (diameter)	1/2"	1/2"	1/2"	5/8" 3/4"	5/8" 3/4"	1/2" 5/8" 3/4" 7/8"
Weight/100 lbs.	8.5	6.8	6.8	12.0 16.2	9.5 12.5	18.1
Avg. Tensile Strength	7,300	5,400	5,400	9,000 12,000	8,200 10,800	20,400
Working Load (lbs.)	730	540	540	900 1,200	820 1,080	2,040



WEAVER CLIMBING GEAR

WEAVER #85 UPPER CLIMBER STRAPS

- Constructed of 1" wide pliable yellow top grain latigo steer hide leather that's riveted for extra strength
- Roller buckles and leather wear pads reduce abrasions
- Ten oblong holes for size adjustment
- Nickel plated hardware
- Sold in pairs



08-97001 26" \$16.95 per pair

WEAVER UPPER CLIMBER STRAPS

- Fourteen holes for perfect adjustment
- Nickel plated hardware
- Sold in pairs
- Riveted 1" heavy-duty coated webbing straps are extremely durable
- Straps are pre-cut, pre-punched and heat-sealed by the mfr to prevent fraying and ensure quality
- Roller buckles and top grain yellow latigo steer hide leather wear pads resist abrasion



08-98001 26" \$15.50 per pair

* 23" and 28" Available by Special Order

WEAVER HEAVY-DUTY SPLIT RING LOWER CLIMBER STRAPS

- 1" wide heavy-duty coated webbing straps are riveted with nickel plated rivets
- Straps are pre-cut, pre-punched and heat-sealed by the mfr to prevent fraying and ensure quality
- Yellow top grain latigo steer hide leather wear pads and roller buckles help extend life of straps
- Fourteen buckle holes for size adjustment
- Sold in pairs



08-98050 26" \$21.95 per pair

WEAVER SPLIT RING LOWER CLIMBER STRAPS

- Yellow top grain latigo steer hide leather straps are 1" wide
- Roller buckles and leather pads help reduce wear
- Ten oblong buckle holes allow buckle to lie flat and out of the way
- Overall length of strap is 26"
- Nickel plated hardware
- Sold in pairs



08-97050 26" \$20.95 per pair

WEAVER T-SHAPED CLIMBER PADS W/ FELT LINER

- Pliable burgundy top grain latigo steer hide leather is lockstitched and riveted to soft brown oil tanned top grain steer hide leather to form a tunnel for the climber shank
- Climber straps can be fed through 1" slots to help keep pads in place
- Comfortable 1/2" thick felt is securely lockstitched and riveted to the soft brown oil tanned top grain steer hide leather to cushion the leg
- Nickel plated rivets
- Sold in pairs



08-97156 \$41.95 per pair

WEAVER SUPER CLIMBER PADS

- Constructed of durable, weather-resistant top grain steer hide harness leather lined with 1/2" black felt
- Felt liner and smoothed leather edges help prevent rubbing and chafing
- Lockstitched for long-lasting use
- Measuring an extra-large 9" x 12", these pads evenly distribute pressure over calf for comfort
- A tunnel for the climber shank and 1-1/4" slots for climber straps help hold pad in place
- Requires two 26" climber straps to secure pad and climber shank to leg
- Nickel plated rivets
- Sold in pairs



08-97157 26" \$47.50 per pair

WEAVER #130 L-SHAPED CLIMBER PADS

- Soft 1" thick foam liner is layered between an outer layer of yellow top grain latigo steer hide leather and an inner layer of soft brown oil tanned top grain steer hide leather to provide extra comfort and protection to the back of leg and calf
- Securely lockstitched for durability
- Sold in pairs



08-97158 \$35.95 per pair

WEAVER GAFF GUARDS

- Pliable yellow top grain latigo steer hide leather is sewn and riveted to form these gaff guards
- Hook and loop straps are riveted on
- Nickel plated rivets
- Sold in pairs
- One size fits all



08-97100 \$7.50 per pair

27" CURVED SAW SCABBARD

- Black rubberized belting with a snap hook
- A 3/8" nylon washer at blade entry point helps protect stitching, welt and saw teeth from wear
- Dee on back for easy attachment to work belt or saddle
- Handy, large openings on side and bottom for easy cleanout
- Holds the Fanno #22, #24, #K-24 and #FI-2200, Corona® #RS 7160, Nicholson #14N, Bartlett Mfg. #127 (26"), #114 (26") and #124 (26"), Seymour Smith #624 and others
- Nickel plated snaps and dees



08-03001 \$25.95 each



WEAVER CLIMBING GEAR

WEAVER AEROSOL CAN/WATER BOTTLE HOLDER

- Bright 1" fluorescent blaze orange nylon webbing secures around can or water bottle and through tape roll with hook and loop closure
- Nickel plated bolt snap for attachment to a belt or other equipment



08-98200 \$6.25 each

WEAVER CHAIN SAW STRAPS

- Constructed of 1" wide double box-stitched nylon webbing with heat-sealed ends to prevent fraying
- Welded nickel plated rings are 2" in diameter
- Non-rust manganese bronze 225 snaps are 4-1/4" long (Length includes hardware)



08-98212 10" Length w/ring, Red..... \$3.25 each
**Blaze Orange, 13", 15" and 42" Available by Special Order*

WEAVER ADJUSTABLE CHAIN SAW STRAPS

- 1" wide double box-stitched nylon webbing straps easily adjust by attaching the rings to a snap on a saddle or belt
- Heat-sealed ends help prevent fraying
- A half twist in the loop end helps keep equipment hanging straight
- Welded nickel plated rings are 2" in diameter
- Non-rust manganese bronze 225 snap is 4-1/4" long



**Note: 47" strap is ideal for use with a carabiner*

Part Number	Description	Price
08-98219	49" with One Ring and 225 Snap, Blaze Orange	\$10.50
08-98220	49" with Two Rings, Yellow	\$7.95
08-98221	47" with One Ring, Red	\$7.25



Handcrafted by their skilled craftspeople in Mt. Hope, Ohio, many of their arborist products feature only the finest materials, skilled American workmanship and finishing touches for years of dependable performance.

With a tradition of unsurpassed quality, their dedicated employees carefully construct each Weaver product with meticulous attention to detail. Starting with only the highest quality materials, they add careful craftsmanship that makes their arborist products as dependable as they are comfortable.

Special details like precise, even lockstitching, extra strong box-stitching, hand-set rivets and heat-sealed nylon ends ensure our products meet the rigorous demands of the job. With a great selection of products to meet the needs of both aerial and ground people, Weaver is your source for quality arborist supplies. From positioning saddles and scabbards to axe guards and pruner pouches, their products have your needs covered!



WEAVER ROPE & WEIGHTS

WEAVER THROW WEIGHTS

Aerodynamic design helps increase the range of the throw. The moving action of the #8 shot that fills these Cordura® weights helps prevent the weights from hanging up in tree branches. The coated lead shot is contained in a latex pouch for environmental protection. A 4/8" nickel plated ring for attachment of a rope or poly pilot line is box-stitched to each weight.



- 08-98318-RD 12 oz, Red.....\$10.50 each
- 08-98319-BO 14 oz, Blaze Orange.....\$10.50 each
- 08-98320 16 oz, Red.....\$10.50 each

WEAVER BULLET THROW WEIGHT

Featuring a sleek, aerodynamic design, these throw weights feature contrasting colors that are easy to see. A 7/8" welded nickel plated ring for attachment of a rope or poly pilot line is box-stitched to each weight. The moving action of the #8 shot that fills these Cordura® weights helps prevent the weights from hanging up in tree branches. The coated lead shot is contained in a latex pouch for environmental protection. Bottom loop for an accessory carabiner offers easy attachment. Please specify color when ordering: Orange, Green, or Yellow



- 08-98323 10 oz.\$15.35 each

WEAVER THROW WEIGHT AND LINE KIT

Convenient, aerodynamic throw weight and lightweight polyethylene line kits help position ropes perfectly. Kits include throw weight, and a lightweight 150' x 1/5" polyethylene line. Lightweight line is great for positioning heavier ropes.



- 08-98327 12 oz Kit.\$19.95 each
- 08-98329 16 oz Kit.\$21.50 each

WEAVER THROW LINE STORAGE BAG

- Constructed of 600 denier coated polyester
- Holds 150' of rope
- Convenient drawstring top closures for quick and easy access
- Interior nickel plated rings to tie ropes to and exterior nickel plated rings for easy attachment to a work belt, saddle or rope
- 4" diameter x 6" high



- 08-07140 Small, Red.....\$10.50 each
- *Medium and Large Available by Special Order*

WEAVER DELUXE ROPE BAG

- Perfect for storing lifeline ropes measuring 1/2" or 9/16" x 150'
- Constructed of 1200 denier polyester
- Designed with spiral wire attached to the exterior of the bag to help prevent it from collapsing
- Handy quick-release buckles keep bag collapsed when not in use
- A 1" ring offers easy attachment to a saddle
- Features two outside pockets with convenient snap closures for storage of carabiners and other accessories
- Top of bag features a zippered closure and a grommet for feeding rope through
- Grommet is reinforced with leather for extra durability and is covered with a flap that keeps weather out
- 11" diameter x 15" high



- 08-07156 Red.....\$41.95 each

WEAVER REPLACEMENT POLYETHYLENE THROW LINE

- Lightweight design is ideal for positioning other ropes
- Features an 8 carrier diamond braid polyethylene cover over a parallel polyethylene core
- Minimum tensile strength of 190 lbs



- 08-98025 1/8" x 150'\$11.75 per bag
- 30-1500-YE 1/8" x 1000' Roll.....\$72.95 per roll

WEAVER BULL'S EYE™ THROW LINE

- Constructed from neon green polyethylene and white Dyneema® in a striped design that offers high visibility
- Dyneema® core gives this throw line added strength
- Rot-resistant line has good memory for recoiling
- This 2.5 mm rope glides easily in the hands
- Average tensile strength of 450 lbs



- 08-98028 180'\$40.95 per roll

WEAVER JET SET THROW LINE

- Constructed from 100% pre-stretched ultra-high molecular weight polyethylene (UHMWPE)
- Coated 8-strand twill braid for abrasion and snagging resistance and enhanced glide
- International safety orange is easily visible
- Popular among professionals
- Average tensile strength of 450 lbs



- 08-98029 180'\$46.50 per roll

NEED SOMETHING YOU DON'T SEE HERE?

CALL US!

1-800-592-6940



WEAVER CLIMBING SADDLES

EXTRA WIDE BACK SADDLES

Extra wide 6" waist back is foam filled and lined with soft leather. Lighter weight forged aluminum Dees at front and back and three additional dees on the bottom of the waist back. Two nylon utility straps with a chrome bass 200 snap and a 2" nickel plated ring.

ONE FLOATING DEE, 2" NYLON LEG STRAPS



AVAILABLE SIZES:
 Small
 Medium
 Large
 X-Large
 08-01040 \$181.95
SUSPENDERS
 08-98121 \$19.95

ONE FLOATING DEE, PADDED 2" NYLON LEG STRAPS



AVAILABLE SIZES:
 Small
 Medium
 Large
 X-Large
 08-01036 \$191.95
SUSPENDERS
 08-98121 \$19.95

4-DEE, SEAT STRAP, 1" HEAVY DUTY COATED WEBBING LEG STRAPS



AVAILABLE SIZES:
 Small
 Medium
 Large
 X-Large
 08-01035 \$163.95
SUSPENDERS
 08-98121 \$19.95

4-DEE, SEAT STRAP, 2" NYLON LEG STRAPS



AVAILABLE SIZES:
 Small
 Medium
 Large
 X-Large
 08-01033 \$180.75

4-DEE SINGLE THICK COTTON SADDLES

Cotton webbing reinforced with nylon provides comfort and strength. Floating Seat Strap can easily be positioned for maximum comfort. Leg straps are lockstitched and riveted to seat strap.

WITHOUT LEG STRAPS



AVAILABLE SIZES:
 Small
 Medium
 Large
 X-Large
 08-01005 \$110.50

WITH 2" NYLON LEG STRAPS



AVAILABLE SIZES:
 Small
 Medium
 Large
 X-Large
 08-01034 \$142.50

WITH HEAVY DUTY COATED WEBBING LEG STRAPS



AVAILABLE SIZES:
 Small
 Medium
 Large
 X-Large
 08-01010 \$128.95

WEAVER NYLON SUSPENDERS

Removable, adjustable 2" nylon suspenders help distribute the weight of saws, scabbards and other accessories. Suspenders feature nickel plated snaps and black plastic sliders for convenient attachment and adjustment. Use with 08-01040, 08-01036 and 08-01035 Weaver Saddles. ** Note: Not to be used for fall arrest.*



08-98121 \$19.95

MATERIAL STRENGTH

2" nylon webbing	3,000 lbs. test
2" seat belt webbing	6,000 lbs. test
2" forged buckle with roller.....	4,000 lbs. test
2" forged dee with roller	5,000 lbs. test

SIZE CHART

Small	30-38" waist
Medium	32-40" waist
Large	36-44" waist
X-Large.....	40-48" waist

**PLEASE SPECIFY SIZE WHEN ORDERING.
 FULL LINE OF WEAVER SADDLES AVAILABLE.**

CLIMBING EQUIPMENT & SUPPLIES

KLEIN TREE & POLE CLIMBERS

POLE CLIMBERS WITH 1-9/16" GAFFS – COMPLETE SET

- 8" x 8" (203 x 203 mm) cushioned, high-grade leather climber pads for maximum comfort.
- Neoprene-impregnated nylon climber straps for long-lasting life.
- Secure sleeve and leg iron connection. Two slotted hex-head bolts with lock washers and barrel-type nuts join the steel sleeve & leg iron together.
- Steel split ring secures ankle strap in place and allows for quick replacement.
- 4-7/16" (113 mm) wide stirrup provides greater foot support.
- Adjustable climber length – steel sleeve moves in 1/4" (6 mm) increments for the most comfortable fit.
- Contoured leg irons help position gaffs securely and comfortably.
- Replaceable gaff firmly attaches to the leg iron with a center pin and two TORX® screws.
- Gaffs are longer in length and wider in angle than 1-1/2" gaffs for exceptional resistance to cutouts.
- Sold in pairs only



CN1986AR	Pole Climbers with 1-9/16" Gaffs – Complete Set.....	\$305.95 pair
CN1907AR	Pole Climbers with 2-3/4" Gaffs – Complete Set	\$306.95 pair
15840	T-40 Torx Wrench for Tree Spikes	\$2.95 each
07-2.75	Replacement Tree Gaffs (2.75")	\$83.50 pair
07-1.5	Replacement Pole Gaffs (1.5")	\$71.95 pair
KG-1	Gaff Gauge	\$6.95 each
KG-2	Gaff Sharpening Kit.....	\$35.95 each

** KG-2 Gaff Sharpening Kit includes Gaff Gauge, Sharpening Stone and Flat File in Cordura Case*

FIGURE 8 DESCENDER RINGS

Loop on line anywhere there is slack and you've got an effective braking device for any application. The more tension applied the stronger the braking power. Made of lightweight aircraft alloy. 8,000 lbs min. tensile strength.



5-3/4", Classic, Anodized Aluminum, WLL 786 lbs.	
K805303	\$12.75 each
6-3/4", Rescue, Anodized Aluminum, WLL 859 lbs.	
K852AL.....	\$17.95 each

BIG "8" RESCUE DESCENDER



Stainless Steel—12,000 ABS



USR-850-S	6-3/4" Length	\$34.95 each
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BOLLARD FRICTION BRAKES

Used for take downs and risky overhead jobs where a ground man must lower heavy objects. Strong steel construction, the perfect portable friction post. Comes in two models, a plain type which only lets object down and a ratchet model which lifts up in addition to letting down. Shipped assembled, includes Bollard, 18' of 4" nylon webbing with and winch bar. Working load: 4,000 lbs. Tensile: 16,000 lbs.



140020	Plain Type Device	\$356.50 each
140030	Ratchet Type Device	\$541.95 each

**WE CARRY A FULL LINE OF CLIMBING GEAR!
CALL 1-800-592-6940 FOR DETAILS!**



PETZL® CLIMBING HELMETS & HEADLAMPS

PETZL VERTEX® 2 VENT HELMET

Comfortable ventilated helmet for work at height and rescue. With its strong chinstrap, the Vertex Vent helmet sets the standard in head protection for workers at height. It has ventilation holes with sliding shutters to allow the ventilation to be adjusted as needed. Its six-point textile suspension ensures maximum comfort, and its CenterFit adjustment system adjusts the headband and keeps the helmet centered on the head. The Vertex Vent is designed for optimal attachment of a PIXA or ULTRA VARIO headlamp, a VIZIR, VIZIR SHADOW or VIZEN protective shield, and hearing protection.



- A10VRA Red.....\$113.95 each
- A10VWA White\$113.95 each
- A10VYA Yellow\$113.95 each

PETZL® VIZIR EYE SHIELD

The VIZIR visor ensures eye protection and integrates perfectly into Vertex and Alveo helmets. Installs easily with its inserts. The VIZIR is scratch- and fog-resistant.



- A15A Clear.....\$54.95 each
- A15AS Tinted\$59.50 each

PETZL® VERTEX® BEST HELMET

With its strong chinstrap, the VERTEX® BEST helmet sets the standard in head protection for workers at height. Its unventilated shell protects against electrical hazards and molten metal splash. Its six-point textile suspension ensures maximum comfort, and its CenterFit adjustment system adjusts the headband and keeps the helmet centered on the head. The VERTEX® BEST is designed for optimal attachment of a PIXA or ULTRA VARIO headlamp, a VIZIR, VIZIR SHADOW or VIZEN protective shield, and hearing protection.



- A10BOA Orange\$113.95 each
- A10BBA Blue.....\$113.95 each
- A10BNA Black\$113.95 each
- A10BRA Red.....\$113.95 each
- A10BWA White\$113.95 each
- A10BYA Yellow\$113.95 each

PETZL® PIXA® SERIES HEADLAMPS

The PIXA® series headlamp is rugged, versatile and adapt to any situation: close-range work, movement, and long-range vision. CONSTANT LIGHTING technology: brightness does not decrease gradually as the batteries are drained. Depending on the need, it may be worn on the head, mounted on the helmet, or placed on the ground.



- Several lighting modes adapt to each situation:
- Automatically switches to reserve mode when batteries are almost drained (signaled by blinking light and red indicator)
- Knob is easy to use, even with gloves on
- Storage position helps protect the headlamp lens and prevents inadvertently turning it on
- May be used in explosive atmospheres (ATEX: Zone 2/22)
- Excellent resistance to falls (2 m), impacts, and crushing (80 kg)
- Comfortable and washable elastic headband
- Resistant to chemicals
- Weight: 160 g
- Technology: CONSTANT LIGHTING
- Beam pattern: wide, mixed, focused
- Energy: 2 AA/LR06 batteries (included)
- Battery compatibility: rechargeable Ni-MH and lithium
- Multiple Certifications for each model
- Watertightness: IP 67 (waterproof to -1 meter for 30 minutes, no maintenance required after immersion)

Part Number	Name	Lumens	Description	Price
E78AHB 2	PIXA 1	50	Wide Uniform Beam, Class I Div II	\$37.95
E78BHB 2	PIXA 2	70	Mixed Beam, Wide Range & Movement, Class I Div II	\$58.95
E78CHB 2	PIXA 3	100	Wide Range, Movement & Long Distance, Class I Div II	\$73.95
E78CHR 2	PIXA 3R	90	Rechargeable, Multi-Beam, Wide Range, Movement & Long Distance	\$138.95



PETZL® CLIMBING HARNESSSES

PETZL® SEQUOIA CLIMBING HARNESSSES

It has a ventral attachment point and a rear buckle for installing a CROLL ventral rope clamp with SECUR shoulder straps. The Sequoia series harnesses are designed for the arborist's comfort. Extra-wide, semi-rigid waistbelt and leg loops give excellent support. The attachment bridge is linked to two gated rings, allowing its length to be adjusted and accessories to be installed directly on the bridge. The harness also facilitates carrying and organization of tools with multiple equipment loops and slot for attaching CARITOOL tool holders. **The Sequoia is a seat harness for double rope ascent techniques. *The Sequoia SRT is a seat harness for ascents on a single rope.*



- C69BFA-01 Sequoia SRT, Size 1\$425.00 each
- C69BFA-02 Sequoia SRT, Size 2\$425.00 each
- C69AFA-01 Sequoia, Size 1.....\$399.00 each
- C69AFA-02 Sequoia, Size 2.....\$399.00 each

Sequoia Harness – C69AFA	Size 1	Size 2
Waist Belt	65-100 cm	85-120 cm
Leg Loops	50-65 cm	60-75 cm
Weight	1390 g	1450 g
Warranty	3 years	3 years
Sequoia SRT Harness – C69BFA	Size 1	Size 2
Waist Belt	70-100 cm	85-120 cm
Leg Loops	50-65 cm	60-75 cm
Weight	1530 g	1590 g
Warranty	3 years	3 years

PETZL AVAO® BOD HARNESS

The Avao BOD fall arrest and work positioning harness is designed for greater comfort in all situations. The X-shaped dorsal construction wraps to reduce pressure points during prolonged suspension. The harness also facilitates carrying and organization of tools with multiple equipment loops and retainers for attaching CARITOOL tool holders and Toolbag tool-holder pouches. The Avao BOD harness has a specific construction that allows the user to hang from the dorsal attachment point for a longer time in case of a fall.



- C71AAA-0U Size 0.....\$389.00 each
- C71AAA-1U Size 1.....\$389.00 each
- C71AAA-2U Size 2.....\$389.00 each

AVAO Bod Harness – C71AAA-	Size 0	Size 1	Size 2
Waist Belt	60-90 cm	70-110 cm	80-130 cm
Leg Loops	45-65 cm	45-65 cm	60-75 cm
Stature	160-180 cm	165-185 cm	175-200 cm
Weight	2055 g	2100 g	2180 g
Warranty	3 years	3 years	3 years

NEED TO SPECIAL ORDER ARBORIST PRODUCTS?

Call our friendly and knowledgeable sales consultants for answers to any questions you may have:

1-800-592-6940





STRAPS & LANYARDS

PETZL® MICROCENTER – CAM-LOADED ROPE CLAMP

For situations where size and weight are critical. The Microcenter is the logical choice of heavy duty hauling or self-protection on fixed ropes. For use on ropes from 9 to 13mm.



- Removable axle can be used to install or remove the clamp at any point on the rope
- Locking pin reduces the risk of undoing the system accidentally

B54..... \$67.95 each

PETZL® STOP - SELF-BRAKING DESCENDER FOR SINGLE ROPE

The STOP offers exceptional control and versatility, while the self-braking function facilitates on-rope maneuvers. Self-braking function allows you to easily stop and maintain your position on rope. Device can be rapidly installed or removed from the rope without disconnecting it from the harness. May also be used to ascend short.



D09.....\$137.95 each

PETZL® GRILLON ADJUSTABLE LANYARD

The GRILLON adjustable lanyard is used to build work positioning systems as a complement to a fall-arrest system. Its length can be very easily and precisely adjusted as necessary for comfortable positioning at the work station. Removable protective sheath protects the rope from abrasive surfaces and allows smooth rope glide. The protection can be removed when the lanyard is used in single mode, to bring the user closer to the anchor.



L52A-003 Length: 3m \$182.50 each

STEEL CORE FLIPLINE

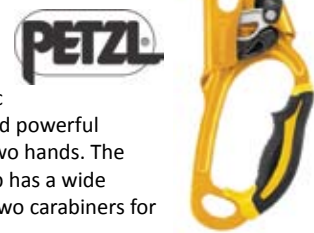
These Fliplines consist of 16 strand neon orange polyester that is braided tightly over a flexible heavy-duty galvanized aircraft cable. Galvanized thimbles on each end with a locking swivel snap hook on one end. Easily adjustable using a flipline knot.



040308 8' Length \$40.75 each
040310 10' Length \$43.50 each
27362 12' Length \$45.95 each

PETZL® ASCENSION ROPE GRAB

The ASCENSION handled rope clamp is designed for rope ascents and features an overmolded grip and ergonomic upper part for a comfortable and powerful grip when pulling with one or two hands. The ASCENSION handled rope clamp has a wide lower hole for easily attaching two carabiners for a lanyard and footloop.



B17R Right-Hand\$76.95 each
B17L Left-Hand.....\$76.95 each
B17ARA Lightweight-Black, Right-Hand\$78.95 each
B17ALA Lightweight-Black, Left-Hand\$78.95 each

PETZL® PANTIN® FOOT ASCENDER

Designed for rope access and for tree care, the PANTIN® foot ascender is used with the Croll, Ascension or Ascentree rope clamps to keep the body upright and make rope ascents faster and less tiring. Its compactness and the durability of the positioning strap allow it to remain continuously attached to the foot. The PANTIN® is available in left and right footed versions.



B02BRA Right Foot.....\$86.95 each
B02BLA Left Foot\$86.95 each

PETZL® RACK – VARIABLE FRICTION DESCENDER WITH BRAKING BARS

Designed to cope with descents of widely varying length, the Rack may be used on single ropes (9 to 13mm). It has several removable bars which allow the speed of descent to be controlled when the weight of the load and of the rope vary, and also distribute the heat. It does not twist the rope.



D11 \$98.95 each

ADJUSTABLE SAFETY LANYARDS

- Double Braid safety lanyard, 1/2" polyester rope
- Double locking snap hook on each end



050180 3-6' Adjustable Lanyard.....\$45.95 each
050180-7 4-7' Adjustable Lanyard.....\$46.95 each
050180-8 5-8' Adjustable Lanyard.....\$47.95 each
050190 3-6' Adjustable Lanyard, Urethane Coated\$48.95 each

ULTRA SAFE ADJUSTABLE NYLON STRAP

- Adjustable nylon web strap with double locking snaps on each end.

96506-ADJ 1" x 6'.....\$34.95 each
97506-ADJ 1" x 6', 3600 Lb Gates MBS\$45.95 each





CARABINERS

PETZL VULCAN CARABINER

High-Strength Steel Carabiner

- Steel adapted to difficult use conditions
- For use with heavy loads
- Large size allows easier connection of multiple elements
- Wide opening for connection to thick anchors
- Keylock system helps prevent snagging of the carabiner during maneuvers
- Red indicator provides a visual warning when the carabiner is unlocked (on SCREW-LOCK version)



M73SL Screw-Lock \$32.50 each
 M73TLA Triact-Lock \$42.25 each

PETZL OXAN CARABINER

Oval Steel Carabiner

- Steel adapted to difficult use conditions
- Keylock system helps prevent snagging of the carabiner during maneuvers
- Red indicator provides a visual warning when the carabiner is unlocked (on SCREW-LOCK version)



M72SL Screw-Lock \$18.25 each
 M72TLA Triact-Lock \$26.95 each

PETZL WILLIAM CARABINER

Large Capacity Aluminum Carabiner

- Large size and opening to allow easy anchoring of several ropes and slings
- Wide pear shape facilitates belaying with a Munter hitch
- Keylock system helps prevent snagging of the carabiner during maneuvers
- Red indicator provides a visual warning when the carabiner is unlocked (on SCREW-LOCK version)



M36SL Screw-Lock \$15.50 each
 M36TL Triact-Lock \$19.75 each

PETZL AM'D CARABINER

Asymmetrical Aluminum Carabiner

- Specifically adapted for connection of equipment and use at the end of a lanyard
- Excellent strength-to-weight ratio
- Keylock system helps prevent snagging of the carabiner during maneuvers
- Red indicator provides a visual warning when the carabiner is unlocked (on SCREW-LOCK version)



M34SL Screw-Lock \$13.50 each
 M34TL Triact-Lock \$18.95 each

CARABINERS AND HARDWARE

TYPE	LOCKING SNAP	REBAR HOOK	LADDER HOOK SNAP	DOUBLE-LOCK SNAP HOOK
MATERIAL	FORGED STEEL	FORGED STEEL	ALUMINUM	ALUMINUM
LENGTH	5-1/2"	8-1/2"	9-1/2"	5.53"
THROAT OPENING	.766MM	2.15MM	2.45MM	.93"
TEST	5,150	5,150	5,600	6,744
WEIGHT	10.6 OZ	1.48 LB	1.6 LB	.29 LB
PART NUMBER	96595	USR-BRH-C	USR-LDR-A	USR-145-AR
PRICE	\$10.95	\$19.95	\$24.95	\$18.95



KONG CARABINERS

Gate Type	Screw-Lock	Screw-Gate	Autoblock Rombo	Screw-Gate	Autoblock Rombo	Twist-Rombo	Screw-Lock
Material	Carbon Steel	Carbon Steel	Carbon Steel	Aluminum	Aluminum	Aluminum	Carbon Steel
Length	107mm	103mm	113.6mm	116mm	113mm	116mm	113.6mm
Throat/Gate Opening	16mm	17mm	27mm	25mm	27mm	23mm	26.5mm
Test	5,400 lbs	4,950 lbs	11,240 lbs	4,950 lbs	6,750 lbs	4,950 lbs	11,240 lbs
Weight	5 oz	5 oz	9 oz	3 oz	3.2 oz	4 oz	9 oz
Part Number	KNG-462-CSL	KNG-463	KNG-411-C3TR	KNG-266	KNG-911-A3TR	KNG-786-ATR	KNG-411-CSL
Price	\$13.95	\$13.95	\$25.95	\$17.95	\$26.50	\$20.75	\$20.95



PULLEYS

CMI HEAVY-DUTY PULLEYS

RP107 - Stainless Steel Sideplates, 4" Aluminum Sheave, Bushing, Stainless Steel Axle

Part #	MBS	Rope Capacity	Size	Weight	Efficiency	Price
RP107	16,000 lbs	5/8"	7.5" x 5"	1.8 lbs	93.7%	\$69.95



RP107

CMI SERVICE LINE PULLEYS

RP119 - Stainless Steel Sideplates, Two 2" Aluminum Sheaves, Needle Bearing, Stainless Steel Axle

Part #	MBS	Rope Capacity	Size	Weight	Efficiency	Price
RP119	11,000 lbs	1/2"	6.5" x 2.6"	.85 lb	185.7%	\$58.95



RP119

CMI DOUBLE ENDED PULLEY

RP111 - Stainless Steel Sideplates, 2-3/8" Aluminum Sheave, Bushing, Stainless Steel Axle

Part #	MBS	Rope Capacity	Size	Weight	Efficiency	Price
RP111	8,500 lbs	5/8"	5.75" x 3"	.70 lbs	91.4%	\$45.95



RP111

CMI ORIGINAL RESCUE PULLEY

RP102 - Black Anodized Aluminum Sideplates, 2-3/8" Aluminum Sheave, Bushing, Stainless Steel Axle

Part #	MBS	Rope Capacity	Size	Weight	Efficiency	Price
RP102	7,000 lbs	5/8"	4.25" x 3.25"	.45 lbs	91.4%	\$41.95



RP102

CMI MICRO PULLEY

RP110D - Purple Anodized Aluminum Sideplates, Two 1 1/4" Aluminum Sheaves, Bushing, Aluminum Axle

Part #	MBS	Rope Capacity	Size	Weight	Efficiency	Price
RP110D	7,000 lbs	1/2"	3.5" x 1.75"	.25 lbs	133.6%	\$42.95



RP10D

PETZL® TANDEM PULLEY

Double pulley for travel along ropes. Designed for smooth and efficient Tyrolean traverses on rope.

- Sheaves mounted on self-lubricating bushings for good efficiency
- Maximum allowable speed: 10 m/s
- Attachment point accepts up to three carabiners to facilitate use



PP21..... \$68.75 each

PETZL® FIXE PULLEY

Versatile Compact Pulley

- Fixed side plates allow quick installation and coupling with a rope clamp
- Designed for hauling systems and deviations
- Sheave mounted on self-lubricating bushings for efficiency
- For use with OK or WILLIAM type carabiner



P05W \$27.95 each



U.S. RIGGING MICRO PULLEY

Micro Pulley, 1" Aluminum with Bushing kN 30, Rope Capacity 12mm

K993..... \$12.95 each





PRUNING SAWS

BAHCO 8" FOLDING SAW

- Foldable pruning saw with JS tothing designed for fruit growing, wine growing and landscaping
- Blade with hardpoint teeth and extra wide gullet for faster cutting in thicker green branches
- Strong 2-component plastic handle with comfortable grip
- Safety lock both in opened and closed position
- Replacement blade available



396-JS..... \$28.95 each

BAHCO TRADITIONAL PRUNING SAW

- Pruning saw for dry or hard wood
- Curved blade with fully ground, set teeth
- Comfortable and strong beech wood handle with a long hook
- Hardpoint teeth
- Replacement blades available



4211-14-6T 14" Blade..... \$26.95 each

BAHCO 21" SANDVIK BOW SAW

- A small and handy bow saw for sawing wood and wood-like materials
- The pointed nose makes the saw well suited for use in tight spaces, and it is ideal for pruning
- Complete with a type 51 blade for cutting dry wood
- The blade is hardened for exceptional durability and long service.



331 21" Blade..... \$14.95 each
3+..... \$13.75 each

BAHCO LAPLANDER 8" FOLDING SAW

Bahco Laplander folding pruning saw is a favorite tool of many professional gardeners. Lightweight and comfortable in your hand, it features a folding blade with a special non-stick coating that helps it glide through branches and even small logs with surprising ease. Bahco's special XT tothing allows the saw to cut in both directions meaning that you are cutting on both the "push" and "pull" cutting movements.



Only 9" long when folded and weighing just 6 oz, the saw is small and light. The high-quality Sandvik steel blade locks in place when open and folds away safely when you're not using it.

396-LAP..... \$24.25 each

GREEN MOUNTAIN HIGH LIMB CHAINSAW

The High Limb Chain Saw is constructed of patented chain blade which features BIMATIC carbon steel cutters. These cutters are engineered for hand use and maximum cutting efficiency as the blade is drawn back and forth. Lightweight, but extremely strong, polypropylene ropes are attached to each end of the blade. A sandbag throwing weight is attached to one rope end. The polypropylene ropes are electrically non conductive, and will pose no problem if the saw comes in contact with overhead wiring.



Each saw contains the patented Bimatic blade for two-way cutting action, two 25 foot control ropes, throwing weight, complete instruction booklet, and handy vinyl carrying pouch.

10033 24" Chain Blade..... \$27.95 each
10034 48" Chain Blade..... \$39.95 each

NEED TO SPECIAL-ORDER ARBORIST PRODUCTS?



Call our friendly and knowledgeable sales consultants for answers to any questions you may have:
1-800-592-6940

PRUNING SAWS



NICHOLSON NO. 420 TUTTLE TOOTH PRUNER

- All-purpose saw for pruning with special steel constructed blade
- Teeth designed for fast cutting of large limbs and firewood
- Wood handle
- Full cardboard sleeve protects blade
- 24" Overall Length



80309 \$39.95 each
6+ \$35.95 each

NICHOLSON NO. 14 SILVER FLASH PRUNER

- Heavy-duty
- Preferred by utility crews and tree surgeons
- Silver Steel[®] constructed blade, flat ground
- Concave cutting edge has precision set and bevel filed teeth
- Extra large teeth and gullets for speed cutting large limbs
- Wood handle
- Full cardboard sleeve protects blade
- 26" Overall Length



80299 1-5 \$62.95 each
6+ \$55.95 each
08-02001 Leather Sheath w/ Snap Hook \$46.95 each
08-03001 Rubberized Belting Sheath w/ Snap Hook \$26.95 each



FANNO RIGID HANDLE PRUNING SAWS

These saws are curved, pull cutting tree saws designed for close work. The curved blade plus the self-feeding and self-cleaning tooth design make these tree saws exceptionally efficient tools for cutting in any position.



FA22 21" cutting edge, 5 points per inch lance teeth \$39.95 each

FANNO 13" CURVED PRUNING SAW

- 13" cutting edge with Tri-Edge teeth
- 6 teeth per inch
- Contoured laminated hardwood handle



FI-1311 \$22.95 each



GILMOUR 570 CURVED SAW

- 16" curved lacquered steel blade
- Sharp, deep set teeth
- Durable hardwood handle



570 \$18.95 each

GILMOUR 514S CURVED SAW

- Cuts on pull stroke
- 8 points per inch
- Sharp deep-set teeth
- Durable hardwood handle



514S \$22.95 each
08-02009 Leather Scabbard with Snap Hook \$26.50 each

FELCO PRUNING SAWS

- Rust resistant chromed blade made of steel
- Impulse heat treatment of the teeth / clean, precise cut / parts can be replaced
- Conical blade shape for an easy, non-clogging cut
- Set and shape of teeth prevents sap build-up / maintenance free
- Comfortable non-slip handle
- Sheath for right- or left-handers with detachable belt loop



FELCO 611 PRUNING SAW



F-611 13" Blade \$60.95 each
611-3 Replacement Blade \$45.95 each

FELCO 621 PRUNING SAW



F-621 9.5" Blade \$58.95 each
621-3 Replacement Blade \$39.50 each

FELCO 600 PRUNING SAW



F-600 6.3" Blade \$31.95 each
600-3 Replacement Blade \$25.25 each

TINA BANTAM BOW SAW

Originally designed in 1922, this popular bow saw has no equal in choice of material used or quality of old-world craftsmanship.



Blade cuts on pull or push stroke. One free replacement blade with every new bow saw.

- Length - 19"
- Weight - 16 oz.
- Beechwood Handle
- Made in Germany



T-900 14" Blade \$106.95 each
T-900-3 Replacement Blade \$12.25 each

CHAIN MATE SURVIVAL SAW

With carbon steel teeth, this survival saw will cut wood up to 6 inches in diameter, and can be adapted with any rope that's handy to gather firewood from high up places. It's so compact it fits in almost any place (shirt pockets, etc) and weighs under 6 oz. 24" chain with strap handles.



CH-24 \$17.95 each

MODEL 20-18 PROFESSIONAL POLE SAW

- Durable cast aluminum saw head (Model No. 20)
- 16" curved saw blade with nonstick coating
- Three 6' by 1-1/4" diameter fiberglass poles
- Hook for pulling down cut branches
- Paint brush holder



20-18.....\$96.25 each

MODEL 20 PROFESSIONAL PRUNER HEAD

- Cast Aluminum Saw Head
- 16" curved saw blade with nonstick coating
- Hook for pulling down cut branches
- Paint brush holder
- For use with 1-1/4" diameter poles (Model Nos. 102 and 103)



20A Model 20 Pruner Head\$24.50 each

20B Replacement 16" Saw Blade for 20A.....\$12.50 each



MODEL 102 HEAD EXTENSION POLE

- 5-3/4' fiberglass head section pole
- 1-1/4" diameter
- For use with Model Nos. 11, 20, or 2011 heads
- Includes snap connectors for extension poles



102.....\$19.75 each

MODEL 103 EXTENSION POLE

- 6' fiberglass head section pole
- 1-1/4" diameter
- For use with Model Nos. 102,103, or 3FG
- Includes snap connectors-both ends for head poles and other extension poles



103.....\$15.25 each

MODEL 3FG POLE ADAPTER

- 5-3/8" Pole Adapter to mount head pole to
- For use with Model Nos. 11, 20, or 2011 heads
- Connects to model nos. 103 or 106FG poles



3FG.....\$2.95 each

312TCS TREE PRUNER

- Gear driven action and dual pulley system triples cutting power
- Fiberglass poles telescope from 6' to 12'
- 1-1/4" diameter cutting capacity
- Heavy-duty solid steel head with hardened and tempered steel lopper blade
- 16" curved saw blade
- Poles securely lock with convenient thumb screw
- 13'6" solid braid polyester cord



312T Complete Set.....\$64.95 each

312HEAD Replacement Head\$15.95 each

SNAP-CUT TRADITIONAL ANVIL PRUNER

- 3/4" diameter cutting capacity
- Heavy-duty steel body with cushioned grips
- Replaceable brass anvil
- Hardened and tempered, precision ground steel blade with Teflon-S coating
- 8" Overall Length



19T.....\$12.75 each

HEAVY DUTY BLUE POLYPROPYLENE TARPS



070618	8'x10'	.....	\$5.95 each
070627	12'x14'	.....	\$10.95 each
070640	20'x30'	.....	\$39.95 each
070642	20'x40'	.....	\$48.95 each
070650	40'x40'	.....	\$89.95 each
070652	40'x60'	.....	\$129.95 each

WE ALSO CARRY AZEL PRODUCTS!



**Need to Order?
1-800-592-6940**



FELCO HAND PRUNERS

FELCO 2 HIGH PERFORMANCE CLASSIC PRUNING SHEAR

FELCO design has remained unchanged for over forty years. Solid forged metal alloy handles are complimented by a Swiss precision made hardened cutting blade (replaceable) and an anvil blade with a sap groove. A hardened bolt and nut assure exact adjustment of both the cutting and anvil blades. A rubber cushion and shock absorber provide smooth working and soft closing of this pruner. Length 8-1/2". Weight 8.5 oz.

F-2A\$56.50 each



FELCO 7 ERGONOMIC HIGH PERFORMANCE PRUNING SHEAR

Here is a superbly designed pruning shear for the professional. The rotating handle revolved on its axes, allowing the fingers to move naturally, thereby reducing the blisters and hand fatigue that so often accompany prolonged pruning work. This unique swivel action requires up to thirty percent less effort than conventional models and offers maximum comfort on continuous-use jobs. Both the cutting and anvil blades are not riveted, and the narrow, pointed blade design allow for close pruning. Length 8-1/4". Weight 10.2 oz.

F-7A\$72.25 each



FELCO 4 STANDARD PRUNING SHEAR

If you want a more basic pruner without the refinements but still with the famous FELCO quality and cutting performance, the FELCO 4 is for you. This model offers the same quality cutting blade as the FELCO 2. The blade adjustment is by the center nut and bolt only. It has no rubber cushion, shock absorber or locking segment and is priced accordingly. Length 8-1/4". Weight 7.8 oz.

F-4A\$46.25 each



FELCO 8 ERGONOMIC PRUNING SHEAR WITH ROTATING HANDLE

If you are undecided about the FELCO 7, we recommend this ergonomically designed pruner. It is identical to the FELCO 7, except for the rotating handle. Light alloy handles are shaped to act as an extension of the forearm. The anvil blade handle is designed to prevent the pruner from sliding through the hand. Hollow-ground, the Swiss precision, hardened steel blade features a wire cutting notch. The blades are set on dowel pins for easy maintenance. Length 8-1/4". Weight 8.7 oz.

F-8A\$56.50 each



FELCO 5 BASIC PRUNER

This is the lowest priced FELCO pruner, still with excellent cutting ability. With handles made from solid steel and simplified construction, it is an ideal choice for the home hobby gardener. No cushion stop, sap groove or wire cutting notch. Length 9". Weight 11 oz.

F-5A\$30.50 each



FELCO 11, CLASSIC - NEW GENERATION PRUNING SHEAR

Suitable for every type of pruning. Ergonomic hand-fitting design. Superbly balanced, the FELCO 11 offers a large cutting capacity. Narrow pointed anvil blade allows easy access to twiggy branches and assures a close cut to the trunk. Precision alignment of cutting and anvil blade due to adjustable locking segment. Easy blade replacement. Shock absorbers reduce fatigue of wrist.

F-11A\$56.50 each



FELCO 6 ERGONOMIC, COMPACT PRUNING SHEAR

Designed for those with smaller hands who may prefer a smaller, lighter pruner. It is comfortable to use yet every bit as sturdy and powerful as all the other FELCO models. Ideal for small pruning work such as grape vines, shrubs and young trees, it is also the choice of many florists. The cutting and anvil blades are not riveted. The shorter blades facilitate closer cutting to the stem of the plant. Length 7-1/4". Weight 7.5 oz.

F-6A\$52.50 each



FELCO 12 ERGONOMIC, COMPACT PRUNING SHEAR W/REVOLVING BLADE

Requested by many users of the popular FELCO 6 model, this pruner has the added feature of a revolving cutting blade handle which helps prevent or reduce blisters and muscle fatigue that results from prolonged pruning. Smaller cutting head for precision pruning closer to the trunk. Length 8-1/4". Weight 8.5 oz.

F-12A\$68.95 each



FELCO 9 ERGONOMIC, LEFT-HAND, HIGH-PERFORMANCE PRUNING SHEAR

Left Handed. This is a true left-hander's version of the FELCO 8 with all the same features. Light alloy handles are shaped to act as an extension of the forearm. The anvil blade handle is designed to prevent the pruner from sliding through the hand. Hollow-ground, the Swiss precision, hardened steel blade features a wire cutting notch. The blades are set on dowel pins for easy maintenance. Length 8-1/4". Weight 8.7 oz.

F-9A\$56.50 each





FELCO HAND PRUNERS

FELCO 13, ONE OR TWO HAND PRUNING SHEAR

Multi-purpose patented pruning shear. Held as single-handed pruning shear but extra long cutting blade handle allows the use of both hands when cutting extra thick branches. The FELCO 13 is a good choice for users wishing to avoid tendonitis from prolonged and heavy pruning.



F-13A \$70.95 each

FELCO 31 ANVIL PRUNER

The Felco 31 is an anvil pruner which is beveled on both sides of the blade for easy clean-cut pruning. The adjustable brass anvil blade is coated in non-stick Xylan for easy cleaning and can be repositioned to line up with the cutting blade.. Handles are forged from robust aluminum alloy and are ergonomically shaped. Weight 8 oz.



F-31A \$47.50 each

REPLACEMENT PARTS FOR FELCO PRUNERS

CUTTING BLADES

Part Number	Fits Models	Price
2-3	2, 4, 11	\$13.95
5-3	5	\$11.25
6-3	6, 12	\$12.95
7-3	7, 8	\$13.95
9-3	9, 10	\$13.95
13-3	13	\$15.25



SPRING PAKS (2 PER PAK)

Part Number	Fits Models	Price
2-91	2, 4, 7, 8, 9, 10, 11	\$4.25
5-91	5, 13	\$4.25
6-91	6, 12	\$4.25



FELCO ACCESSORIES

F-912

Exclusive holster design fits all FELCO pruners. Can be used on belt or pocket with clip.



912 \$8.95 each

F-919

FELCO's most popular holster. Fits all pruning shear makes. Designed to fit on belt only. Extra riveting for long lasting use.



919 \$8.95 each

FELCO LUBRICANT SPRAY

F-980 \$12.95 each



CSP WISH LIST:

LOPPING SHEARS



FELCO LOPPERS

Simply the best loppers in the world. Two-hand pruning shears are made with solid, forged light metal handles, cushion stops, sap groove on anvil blade and the famous FELCO fine blade adjustment. Rubber bumper sand grooved rubber handgrips. Because of its construction and great cutting performance FELCO loppers have achieved top results when compared with other similar loppers on the market. FELCO loppers cut to 1-1/2" (38mm) branches with ease.



F-20A	17" Length.....	\$94.50 each
	3+	\$91.25 each
F-22A	33" Length.....	\$195.95 each



BAHCO PROFESSIONAL BYPASS LOPPERS

MODEL P14 VINEYARD LOPPER

Bypass Lopper for pruning and training of vines, orchards and shrubs. Small cutting head for easy access to hidden branches. Very comfortable to use and prevents fatigue through soft rubber bumpers between handles. Total Length 24", Cutting Capacity 1-1/4".

P14-60.....	\$49.50 each
6+	\$47.50 each



MODEL P19 HEAVY DUTY LOPPER

Heavy duty bypass lopper for cutting of very thick and strong branches on old and mature trees and vines (trunks). Long reach, also for overhead cutting. Aluminum tube handles for easy handling. Cutting head with double radii blade for powerful cuts and smooth finish. Very comfortable to use through soft rubber buffers between the handles. Total Length 32", Cutting Capacity 1-3/4".

P19-80.....	\$111.75 each
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BOND MFG. US600LS LOPPERS

- Curved forged steel blade
- Hook styling
- A particular favorite of fruit growers
- Tubular steel handles with textured grips
- 3 Year Mfr Guarantee

10005.....	\$35.50 each
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GILMOUR SNAP-CUT LOPPING SHEARS

MODEL 155 BYPASS LOPPER

1-1/4" diameter cutting capacity. Hardened steel blades with rustproof coating. Sap groove prevents sticky build up on blade. Heavy-duty wood handles with cushion grips. Shock absorbing bumpers. 27" Overall Length.



155.....	\$28.95 each
5+.....	\$27.25 each

JARAFF SAW BLADE – TRIM SAW BLADE

- 24" Circular Saw Blade
- 72 Carbide Teeth
- 1-1/2" Bore
- .180" Plate Thickness
- .270 Curve



24-BLADE.....	\$350.00 each
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GUIDE TO BUYING LOPPERS:

Bypass loppers work a little like scissors except they have one sharp cutting blade that moves past a non-sharpened concave hook. The bevel, or cutting edge, comes to rest just outside of the hook, which is used to grab on to or grasp the limb to be cut. Bypass loppers are the most common type of lopper, and are extremely versatile. They can be used in almost any situation, and are most often used to cut live branches because they make nice, clean, cuts.

Anvil loppers have a typically straight blade that comes to rest on a flat surface called the anvil. You may have read invectives against anvil loppers, claiming that they crush plants and leave wood spurs and you should never use them. The first part is partially true. Anvil loppers do tend to "crush" stems. The blades must be tightly fitted to make a clean cut. Anvil loppers are made more for strength than precision. In fact, the stopper gives anvil loppers more leverage than bypass loppers. This feature makes anvil loppers an excellent tool for cutting large dead branches or storm damaged wood from redbud or dogwoods, and starting a cut on a large live branch before finishing it off with a bypass lopper.

In any case, it is a good idea to have both anvil and bypass loppers in your arsenal!

PRUNER HEADS

Marvin's 1-1/4" cut pruner head with round casting. Fits all Marvin fiberglass "head" poles and 1-1/4" octagonal wood poles.



PH4R Pruner Head Only \$59.95 each

Marvin's PH4 1-1/4" cut pruner head with "quick change" adapter. Fits all Marvin poles with a female ferrule (mid-poles and base poles).



QCP PH4 Pruner Head w/Aluminum Adapter\$65.95 each

Marvin's Universal Saw Head. Fits all Marvin saw head poles and 1-1/4" octagonal wood poles. An assortment of saw blades attach to head via a wing nut and bolt.



U1R Quick Change Saw Head\$14.50 each

Snap-Cut 16" Curved Saw Blade



20B \$13.95 each

**Other blades available*

TRI-EDGE HAND SAW

Fred Marvin's most popular hand saw. Marvin F-350 tri-edge hand saw with a 13" blade and a rubber handle.



HS11\$22.85 each

TURBOCUT HAND SAW

Marvin / ARS tri-edge hand saw with a 12" blade and marine plywood handle.



HS9\$31.50 each

FIBERGLASS POLES

10' yellow fiberglass pole. Used for PH4R pruner head (Left)



Z10FS Only Available in yellow.....\$31.95 each

12' telescopic fiberglass pole with dual locking collar and rope anchor.



Z12T\$57.50 each

6' Fiberglass base pole (female coupling & rubber base)



Z6FB.....\$29.50 each

6' Fiberglass pruner head pole (male coupling & rope anchor)



Z6FH\$29.95 each

6' Fiberglass mid pole (male & female coupling)



Z6FM\$32.95 each

8' Fiberglass mid pole (male & female coupling)



Z8FM\$39.25 each

POPLAR WOOD POLE

1-1/4" octagonal cut. Each 2' poplar octagonal pole is handcrafted to assure its utmost strength and durability.



12P \$23.95 each

POLYPROPYLENE ROPE

1,000' Spool of pruner rope. Polyester, 5/16"



Z125P..... \$147.25 each



SILKY TREE PRUNING SAWS

SILKY HAYAUCHI POLE SAW

The Silky 179-39 Telescoping Landscaping Pole Saw HAYAUCHI 390 (21 feet) is a bestselling, professional, aluminum telescoping pole saw - the pole saw of choice by professionals. The aluminum alloy extension poles are oval shaped, providing precise control over the direction of the blade (especially important for high cutting) and giving strength and rigidity to the pole thus reducing bending to the minimum. The base pole has a pole-end shock absorber and comfortable rubberized over grip which ensures good hold and control. The 15-2/5" curved blade utilizes proprietary Silky 4-RETSUME (Four Rows of Teeth) Technology. Teeth are set in such a way that there appears to be 4 rows of them. Ideal for the toughest pruning jobs! Blade can be adjusted to two different angles for lower or higher cutting and features an upper and lower sickle. The upper sickle is used to cut vines and lower sickle to undercut bark. Lower sickle provides a clean cut without damaging the tree, while upper sickle prevents blade from slipping off limb. HAYAUCHI is the finest telescoping pole saw available on the market today. Black rigid-plastic blade cover is included. Made in Japan.



Model	Extensions	Extension Range	Maximum Working Reach	Weight	Price
177-39	1 (2 Poles)	7' 3" to 12'	17 ft.	4.0 lbs.	\$190.95
178-39	2 (3 Poles)	7' 8" to 16'	21 ft.	5.5 lbs.	\$230.95
179-39	3 (4 Poles)	7' 8" to 21'	25 ft.	6.9 lbs.	\$279.95
177-02-03	Replacement Blade.....				\$81.95

SILKY HAYATE POLE SAW



State-of-the-art, heavy-duty, aluminum telescoping pole saw - The pole saw of choice by professionals. Thick aluminum alloy extension poles are oval shaped, providing precise control over the direction of the blade (especially important for high cutting) thus reducing bending to the minimum. The base pole has a pole-end shock absorber and comfortable rubberized overgrip. The 16-1/2" curved blade utilizes proprietary Silky MIRAI-ME (Smooth Cutting) Technology

- The Teeth of the Future! The precision-ground, razor-sharp, super-aggressive teeth with four cutting angles provide extremely fast cutting action. The taper-ground profile reduces drag and directs more usable energy to the cutting edge. The blade features a replaceable lower sickle for small branches and undercutting bark. HAYATE is manufactured with high visibility colors and comes equipped with a new advanced design sheath with a built-in carrying handle. It is ideal for pruning large branches at a higher position without ever climbing a ladder. This is the strongest and fastest telescoping pole saw available on the market today. Made in Japan.

Model	Extensions	Extension Range	Maximum Working Reach	Weight	Price
371-42	2 (3 Poles)	7' 7" to 16'	16 ft.	6.2 lbs.	\$291.25
372-42	3 (4 Poles)	8' to 20'	25 ft.	7.9 lbs.	\$360.50
373-42	Replacement Blade.....				\$83.95

SILKY SUGOI 360 CURVED SAW

Best-selling, state-of-the-art, professional hand saw with razor-sharp and ultra-fast cutting mono-constructed 14-1/5" curved blade. Curved blade provides greater cutting speed with less effort. Large and comfortable sure-grip handle gives strength and flexibility to the full length of the saw. The super aggressive tooth pattern is ideal for pruning large limbs. Utilizes proprietary Silky MIRAI-ME (Smooth Cutting) Technology - The Teeth of the Future! The precision-ground, razor-sharp teeth with four cutting angles provide extremely fast, clean and smooth cutting action. Features hard chrome-plated, taper-ground curved blade with non-set tooth design. Taper-ground profile reduces drag and directs more usable energy to the cutting edge. The hard chrome-plated blade has 5.5 teeth per inch, resists rust and effects of tree resin, and wipes clean easily. Superbly designed molded-rubber hand grip encases the blade extension to absorb vibration while cutting. Great combination of high performance blade with a comfortable sure-grip handle that really sticks in your hands. Exceptional design, strength, balance and superior finish quality. Comes with the custom high-visibility yellow plastic scabbard that can be attached to the belt or lower leg. Ideal for pruning large limbs on the ground or at height. Made in Japan.



390-36	360 mm.....	\$93.25 each
391-36	Replacement Blade.....	\$60.95 each



SILKY TREE PRUNING SAWS

SILKY IBUKI 390 CURVED SAW

Best-selling, heavy-duty, professional hand saw with a very well-balanced 15-2/5" curved fixed blade. Large, comfortable sure-grip handle gives strength and flexibility to the full length of the saw. Curved blade provides a greater cutting speed with less effort. Utilizes proprietary Silky 4-RETSUME (Four Rows of Teeth) Technology. Teeth are set in such a way that there appears to be 4 rows of them. Ideal for toughest pruning jobs! The heavy duty blade with precision-ground, razor-sharp 5.5 teeth per inch is designed to cut on a pull stroke and provides fast, clean and extremely smooth cutting action. Superbly designed comfortable rubber hand grip absorbs vibration while cutting and provides excellent control over the full length of the saw. The hard chrome-plated blade resists rust and effects of tree resin, and wipes clean easily. Great combination of high performance blade with a comfortable sure-grip handle that really sticks in your hands. Exceptional design, strength, balance and superior finish quality. Comes with a custom black polypropylene sheath equipped with both ring and belt strap attachments that can be used on the left and right side and allow attachment to a tree saddle using carabiner. Suitable for serious pruning tasks and ideal for aggressive cutting and efficient chip removal. Made in Japan.



- 275-39\$100.75 each
- 276-39 Replacement Blade.....\$67.25 each

SILKY ZUBAT CURVED SAW

Best-selling, professional, heavy-duty hand saw with a 13", curved, mono-constructed blade. Features rust-resistant, hard chrome-plated, taper-ground curved blade with an impulse-hardened non-set tooth design. Curved blade provides greater cutting speed with less effort. Utilizes proprietary Silky MIRAI-ME (Smooth Cutting) Technology - The Teeth of the Future! The precision-ground, razor sharp blade with four cutting angles provide fast, clean and extremely smooth cutting action. The hard chrome-plated blade has 6.5 teeth per inch, resists rust and effects of tree resin, and wipes clean easily. Molded-rubber handle holds the high-performance fast-cutting curved blade that fits securely inside its custom-fitted, pivoting, black polypropylene sheath with detachable belt holder. Great combination of high performance curved blade with a comfortable sure-grip handle that really sticks in your hands. Exceptional design, strength, balance and superior finish quality. Suitable for all pruning tasks and cutting large branches. Made in Japan.



- 270-33 330 mm\$71.50 each
- 271-33 Replacement Blade.....\$47.50 each

SILKY POCKET BOY FOLDING SAWS

Compact lightweight folding saw with 6-3/4" blade that will take up very little room in your pocket or backpack. Nicknamed as "Little Giant" due to its extraordinary cutting capacity. This sleek saw features rust-resistant, hard chrome-plated, taper-ground blade with an impulse-hardened non-set tooth design for greater cutting efficiency. Utilizes proprietary Silky MIRAI-ME (Smooth Cutting) Technology - The Teeth of the Future! The precision-ground, razor sharp blade provide fast, clean and smooth cutting. The blade locks securely into one of two open positions, in line with the handle and flush cutting. The blade resists the effects of tree resin and easily wipes clean. The non-slip rubberized handle provides a sure and comfortable grip even in the most difficult operating conditions. Exceptional design, strength, balance and superior finish quality. Clear plastic flip-lock carrying case with belt clip is included. An ideal saw for your glove box or to carry on hikes. Made in Japan. Replacement blades available



Part #	Model	Blade Length	Teeth/Inch	Weight	Price
340-13	PB 130 (Large Teeth)	5"	7	6 oz.	\$34.50
340-17	PB 170 (Large Teeth)	6.75"	7	7.5 oz.	\$36.50
342-17	PB 170 (Fine Teeth)	6.75"	17	7.5 oz.	\$36.50



SILKY TREE PRUNING SAWS

SILKY F-180 FOLDING SAW

Lightweight strong folding saw with 7' blade suitable for multiple tasks. Utilizes proprietary Silky MIRAI-ME (Smooth Cutting) Technology - The Teeth of the Future! The precision-ground, razor sharp blade have four cutting angles along the length of the blade and provide fast, clean and smooth cutting action. Blade easily and securely locks into two different angle positions for easy cutting. Handle is constructed of a fiberglass polypropylene with a rubber insert to insure comfortable and sure grip. Large teeth configuration model comes in Red color and cuts quickly through green wood branches and firewood. Yellow colored fine teeth configuration model can additionally be used on dry wood and carpentry projects. Exceptional design, strength, balance and superior finish quality. Put this handy, lightweight tool in your pocket, glove compartment or tool box. It is an ideal cost-effective all-round folding saw that is always ready for all pruning tasks and outdoor projects. Comes in a blister pack. Made in Japan.



- 143-18 Large Teeth.....\$31.50 each
- 144-18 Replacement Blade.....\$19.75 each

SILKY GOMTARO 300 STRAIGHT SAW

Beautifully balanced straight pruning saw with an 11-4/5", ultra-strong, mono-constructed blade. Features rust-resistant, hard chrome-plated, taper-ground blade with an impulse-hardened non-set tooth design for greater cutting efficiency. Utilizes proprietary Silky MIRAI-ME (Smooth Cutting) Technology - The Teeth of the Future! The precision-ground, razor-sharp teeth with four cutting angles provide fast, clean and extremely smooth cutting action. Great combination of high performance blade with an integrated non-slip cushioned comfort rubber handle that really sticks in your hands. Durable black polypropylene sheath with belt clip is included. Exceptional design, strength, balance and superior finish quality. Ideal for all pruning tasks. Made in Japan.



- 102-30 300 mm.....\$63.75 each
- 103-30 Replacement Blade.....\$39.95 each



MAKING THE CUT: 10 TIPS FOR PRUNING

An ideal time to prune most trees and shrubs is just as their buds are swelling. Leafless stems make it easy to see where to cut, dead stems make their presence known, and chances for cold damage near cuts are minimized. Warmer spring weather also promotes rapid healing of cuts. The 10 pointers listed below will keep you and your plants reasonably happy.

1. Prune young trees as little as possible. Any pruning ultimately slows growth.
2. On any tree, cut away watersprouts and root sprouts. These vigorous, vertical shoots - the first originating in the branches and the second at the base of the tree - soak up the plant's energy, look unattractive, and bear few or no flowers or fruits.
3. Avoid hedge shears on bushes, except for those trained to formal shapes. Prune most bushes by a renewal method, every year lopping some of the oldest stems to the ground to make way for young sprouts. In this way, the bush maintains a graceful fountainlike shape.
4. Tailor how much you prune any bush to its growth habit. Forsythia & lilac sucker abundantly, so remove some older stems every year to make way for new ones. Bushes that make few suckers - such as witchhazel & rhododendron - need their oldest stems cut back infrequently.
5. Wait to prune spring flowering bushes, such as spiraea and mock orange, until right after their blossoms fade or else you will be removing some of the flower buds soon to unfold. Prune spring flowering bushes, such as rose-of-Sharon and potentilla, anytime in early spring.
6. Almost all fruit plants need regular pruning. The amount depends on where a plant bears its fruits. Apple trees bear fruits on long-lived stubby growths, so need moderate pruning. Peaches need severe pruning to stimulate an annual supply of new shoots, which are the ones that bear fruit the following year. Each raspberry cane dies at the end of its second year, so completely cut away all old canes.
7. Don't cut unless you have a clear reason to do so. Trees and shrubs vary in their needs for pruning, from, for example, Japanese maple and witch hazel, which need no regular pruning, to butterfly bush and lilac, which need annual pruning to look their best.
8. No matter what the plant, cut all dead and diseased stems back to healthy wood. Also prune back broken stems.
9. Tailor each cut to the response you want from the plant. Where you want increased branching, shorten a stem. Where you want less congestion or to make a plant smaller, remove whole stems or limbs.
10. Always use a tool appropriate to the job. For stems a half inch or less in diameter, use hand-held pruning shears. Cut stems up to an inch-and-a-half across with a long handled lopper. For even thicker wood, use a pruning saw, which differs from a shop saw in having special teeth that do not become clogged by green wood. Make sure that your pruning tools are sharp and clean, because plants heal quickest when cuts are clean.

-by Lee Reich

DEEPROOT URBAN LANDSCAPE PRODUCTS



DEEPROOT® TREE ROOT BARRIERS

DeepRoot Tree Root Barriers are patented mechanical guides that redirect tree roots down and away from hardscapes, (i.e sidewalks, patios, driveways, utilities, tennis courts, etc.) preventing costly root damage while preserving the health and beauty of mature trees. Our Tree Root Barriers are used for linear, surround and root pruning applications on both new plantings and existing trees.



UB 18-2	18" x 24" Panel - with zipper joining system.....	\$7.95 per panel
UB 24-2	24" x 24" Panel - with zipper joining system.....	\$9.25 per panel
UB 36-2	36" x 36" Panel - no joiners required.....	\$17.75 per panel
UB 48-2	48" x 48" Panel - no joiners required.....	\$23.50 per panel

DEEPROOT® WATER BARRIER/BAMBOO BARRIER GEOMEMBRANES

Versatile DeepRoot geomembranes protect hardscapes and landscapes from subterranean water movement, root intrusion and much more. Used in bamboo and invasive species control, the tough DeepRoot® geomembranes are also ideal for home foundation protection and golf course green construction.



Features:

- Cuts at any measured length with utility knife
- Up to 300 linear feet without the need for a seam
- Joins vertically or horizontally with sealant tape
- Made in the USA

Caution: The DeepRoot Water Barrier will not turn tree roots downward for subsequent lateral growth, which firmly anchors the tree. If the water barrier is to be used near a tree, a local arborist should be consulted.

WB 18/30-100	18" x 100' Roll - 0.030" (0.76mm) thickness.....	\$147.60	WB 30/40	30" x 300' Roll - 0.040" (1.02mm) thickness.....	\$713.50
WB 18/30	18" x 300' Roll - 0.030" (0.76mm) thickness.....	\$321.75	WB 30/60-100	30" x 100' Roll - 0.060" (1.52mm) thickness.....	\$392.95
WB 24/30-100	24" x 100' Roll - 0.030" (0.76mm) thickness.....	\$159.50	WB 30/60	30" x 300' Roll - 0.060" (1.52mm) thickness.....	\$1,071.95
WB 24/30	24" x 300' Roll - 0.030" (0.76mm) thickness.....	\$428.95	WB 36/30-200	36" x 200' Roll - 0.030" (0.76mm) thickness.....	\$442.75
WB 24/40-100	24" x 100' Roll - 0.040" (1.02mm) thickness.....	\$209.50	WB 36/30	36" x 300' Roll - 0.030" (0.76mm) thickness.....	\$643.25
WB 24/40	24" x 300' Roll - 0.040" (1.02mm) thickness.....	\$571.25	WB 36/60-100	36" x 100' Roll - 0.060" (1.52mm) thickness.....	\$471.75
WB 30/30-100	30" x 100' Roll - 0.030" (0.76mm) thickness.....	\$198.00	WB 36/60	36" x 300' Roll - 0.060" (1.52mm) thickness.....	\$1,286.50
WB 30/30	30" x 300' Roll - 0.030" (0.76mm) thickness.....	\$535.95	WB 48/30-100	48" x 100' Roll - 0.030" (0.76mm) thickness.....	\$314.50
WB 30/40-100	30" x 100' Roll - 0.040" (1.02mm) thickness.....	\$261.75	WB 48/30	48" x 300' Roll - 0.030" (0.76mm) thickness.....	\$857.95

DEEPROOT® SEALANT TAPE

This 10 foot roll of double-sided adhesive tape is used to join sections of Deep Root Water/Bamboo Barrier.



BB-10.....	\$5.75 each
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NOTES



DEEPROOT URBAN LANDSCAPE PRODUCTS



URBAN LANDSCAPE PRODUCTS

DEEPROOT® ARBOR TIE



Specifically designed to replace traditional methods such as wire and hose, ArborTie is a revolutionary material that is safe, soft, easy to use and less expensive than traditional tree ties. ArborTie also eliminates the need to flag or cover guywires, and proven ArborKnot expands as the tree grows in caliper, preventing girdling.

Features:

- 900 lbs. tensile strength
- Flat woven polypropylene material
- Lock stitch with rounded weave

AT2G	250' Roll.....	\$41.50 each
AT5G	500' Roll.....	\$83.00 each
AT7G	750' Roll.....	\$124.50 each

We stock ArborTie® Green - Also available in ArborTie® White (2500 lb. tensile strength) by special order. Please call for pricing and availability.

ArborTie® PROFESSIONAL TREE ANCHORING KIT

- Protects from high winds
- Helps trunks grow straight
- Prevents bark damage
- Stakes are reusable
- Made in the USA
- Easy Install: No drive rods required



Kit Includes:

- (3) 15" Steel Eye Stakes
- (3) 10" lengths of green ArborTie® 3/4" strapping material (900 lb. tensile strength)
- Instruction Sheet

AT LD 100.....\$18.95 each

Stakes and Anchors also sold separately:

SES 15	15" Steel Eye Stakes.....	\$2.50 each
SEA 15	15" Steel Eye Anchors.....	\$7.50 each
SEA 30	30" Steel Eye Anchors.....	\$9.75 each



ArborGard+® TREE TRUNK PROTECTORS

Made of durable polyethylene, ArborGard® shields tree trunks from damaging string trimmers. ArborGard® also protects against bark damage from gardening equipment, tools, rodents and other small pests. Holes are sized to prevent insect infestation and bark rot. ArborGard® is manufactured in round tube form and unlike flat tree guards, will not lose its coil shape in hot sun.

Easy to install, ArborGard+® is 9" high and protects trunks up to 4" in diameter. For larger trees, simply join two or more together.

AG9	1-24	\$1.95 each
	25-49.....	\$1.95 each
	50-99.....	\$1.75 each
	100+.....	\$1.55 each



CLEANING SUPPLIES

KIMBERLY-CLARK WYP-ALL® ALL PURPOSE WIPERS

Ideal for routine industrial cleaning and maintenance.

- Removes soils and liquids from face and hands
- One-at-a-time dispensing for users on the go

03046 10.8" x 10" – 90 Wipers per Box.....\$8.95 each
6+.....\$8.25 each



Z400 BLUE DRC WIPERS

Ideal for general shop or industrial applications. Blue DRC Wipers help hide grease and grime better than white shop towels allowing for more use before being discarded. Perfect for extremely messy locations as they fit on a floor stand (item # 99911). Made with 40% post-consumer recycled fibers (based only on the product's fiber content, which represents a minimum of 85% of the total product weight) and 10% pre-consumer recycled fibers... meeting the EPA Comprehensive Procurement Guidelines. Made in the USA.

10252 12.5" x 18" Sheets, 692 Sheets per Roll.....\$38.95 each



SCOTT® BLUE SHOP TOWELS

- 11' x 10"
- 55 Towels per Roll
- Absorbs liquid, oil and grease
- Use in maintenance departments, shops or garage

75062 Case of 12 Rolls\$28.95 each



LA-CO LIFTER WIPES®

At the end of the job, clean off hands, tools, machinery, and more with Lifter Wipes. With a smooth side for gentle cleaning and a rough side for hard-to-clean areas, Lifter Wipes are the ultimate all-purpose wipes. Disposable and easy to use, Lifter Wipes require no drying and leave no residue.

72405 Bucket of 72\$16.95 each



AERVOE HAND-Y PRO TOWELS

Waterless cleaning towels are lint-free and packaged in a convenient tub with a dispenser lid for easy access. Removes grease, adhesive, grime, ink, lubricants, tar, and other industrial stains and soils.

- Large 10" x 12" towel
- Smooth surface on one side and a rough surface on the other for stubborn grime
- Cleans hands, tools, equipment
- Fresh citrus scent
- Tub keeps the towels moist

5025 75 Towels per Tub.....\$15.95 each



RAGS

Made up of large pieces of clean cotton knit scraps such as T-shirts and other clothing. Perfect for all types of cleanups.

9-10-BX Colored Rags, 10 lb Box\$10.95 each
9-25-BX Colored Rags, 25 lb Box\$26.50 each
18-10-BX White Rags, 10 lb Box\$17.50 each
18-25-BX White Rags, 25 lb Box\$37.50 each
8-25-BX White Turkish Towels, 25 lb Box.....\$42.50 each

ZEP® PROFESSIONAL HAND CLEANER

- Removes tough greases, oils and odors
- Has emollients to moisturize hands & prevent dryness
- The pumice formulation is designed to remove the toughest grime
- Fragrance eliminates odors
- 1 Gallon



R04824 Cherry w/Abrasive.....\$24.95 each
R05124 Orange w/Abrasive.....\$24.95 each
R04924 Cleaner w/Scrubbing Beads (No Solvents).....\$22.95 each
R09501 Hand Pump for Gallon Containers.....\$10.95 each

GOJO HAND CLEANER

GOJO® ORIGINAL FORMULA™ crème contains soothing emollients. For removing heavy grease, tar and oil. Rub, then wipe clean with a towel or rinse off.

1109 18 oz. Original Formula.....\$3.95 each
1111 4.5 lb., Original Formula\$27.95 each



JOE'S ALL PURPOSE HAND CLEANER

Joe's All-Purpose Hand Cleaner is a unique blend designed to clean the hands without harsh acids or alkalis. Joe's works equally well with or without the use of water. You'll be amazed at the way your hands look and feel after use: clean, conditioned, and without the greasy feeling associated with most hand cleaners.

JOE101 4 lb. 5 oz. Plastic Container\$16.50 each



ALCONOX® DETERGENT

Concentrated, anionic detergent or manual and ultrasonic cleaning. Free rinsing to give you reliable results without interfering residues. Ideal for cleaning contaminants from glassware, metals, plastics, ceramic, porcelain, rubber and fiberglass. Excellent replacement for corrosive acids and hazardous solvents. USDA authorized. Dilute 1:100. pH 9.5

ALCONOX 4 lb. Carton.....\$33.95 each



DAB-A-DO HAND CLEANER

Dab-A-Do Premium Liquid Hand Cleaner with American Pumice and Plastic Beads - Oil Base. 1 Gallon Jug Bottle with Pump. Cherry Fragrance

03057-C.....\$35.00 each



PURELL® INSTANT HAND SANITIZER

Purell® Instant Hand Sanitizer is America's #1 instant hand sanitizer. Kills 99.99% of most common germs that may cause illness. Instant Hand Sanitizer works in as little as 15 seconds with no need for water or towels to dry your hands. Specially formulated with moisturizers to leave your hands feeling soft and refreshed. Alcohol-based.

9651 4 oz. Bottle\$3.25 each



ZEP TRUCK AND TRAILER WASH

Premium liquid truck and trailer wash. Removes exhaust deposits, road film, and bug residues from painted vehicle surfaces. Cleans in one application.

R08024 1 Gallon.....\$12.00 each



SPADES



Professional Tools
Fiberglass Tough!

DRAIN SPADES/SHARP SHOOTERS



- 14" Drain Spade/Sharp Shooter
- Hollow Back -- 5-3/4" x 14"
- 30" Fiberglass D-Grip Handle

10046 \$38.95 each



- 14" Drain Spade/Sharp Shooter
- Solid Shank -- 5-1/2" x 14"
- 27" Solid Fiberglass Double-Dip Handle

10053 \$81.95 each



- 14" Drain Spade/Sharp Shooter
- Hollow Back -- 5-3/4" x 14"
- 48" Fiberglass Double-Dip Handle

10047 \$41.50 each



- 14" Drain Spade/Sharp Shooter
- Solid Shank -- 5-1/2" x 14"
- 47" Solid Fiberglass Double-Dip Handle

H1530L \$88.50 each



- 14" Drain Spade/Sharp Shooter
- Solid Shank -- 5-1/2" x 14"
- 28" Fiberglass D-Grip Handle

10049 \$75.95 each



- 14" Drain Spade/Sharp Shooter
- Closed Back -- 5-3/4" x 14"
- 48" Fiberglass Double-Dip Handle

H1514L-CB \$47.25 each

KRAFT ECONOMY DRAIN SPADE

- Round Blade
- 14 Gauge tempered steel blade for strength
- Forward turn step for comfort and firmer footing



GG866 \$17.50 each

HEAVY-DUTY TREE PLANTING SPADES



- 9" socket
- Forward-turned step
- Closed back with a 4-3/4" x 16" industrial gauge blade
- 29" ash handle with steel and wood D-Grip

47103 \$38.95 each



- 9" socket
- Solid back with a 4-3/4" x 16" industrial gauge-blade
- 29" ash handle with steel and wood D-Grip

47110 \$75.95 each



**Full line of Hisco products available.
Call for more information.**

EAGLE FIBERGLASS LONG HANDLE SHOVELS



Steel collar for added strength at the handle/socket connection. Lightweight 46" fiberglass handle resists splintering, cracking and weathering. Top cap with hang-up hole for storage. Rolled shoulder.



- 13-483 Square Point.....\$14.25 each
- 13-485 Round Point\$11.95 each

EAGLE HARDWOOD LONG HANDLE SHOVELS



46" Hardwood handle for strength and durability. Open-back tempered steel blade. Rolled shoulder design strengthens blade and provides a step for foot placement. 9" x 10.5" blade.



- 40184 Square Point.....\$9.95 each
- 40191 Round Point\$9.95 each

EAGLE D HANDLE SHOVELS



Strong poly D grip is engineered for comfort. Hardwood handle for strength and durability. Open-back tempered steel blade. Rolled shoulder design strengthens blade and provides a step for placement.



- 42106 Square Point.....\$14.95 each
- 43106 Round Point\$14.95 each

JACKSON SITE-SAFE SHOVELS

The Jackson Site-Safe series is designed for heavy-duty commercial use in a variety of soils. It features a heavy duty, open back, tempered steel blade with forward turned step, a socket with strength collar, and a 48" fiberglass handle.

- 18" TPE strip for added comfort and control
- "Construction Orange" fiberglass handle is not only stronger than wood, it is easy to pick out on the job site
- Cushion end grip



- SFGLS Square Point.....\$31.95 each
- SFGLR Round Point\$31.95 each

AMPCO NON-SPARKING ROUND POINT SHOVEL

- Non-sparking
- Non-magnetic
- Corrosion resistant
- Made in the USA
- Beryllium-free
- 9" Blade
- 56-1/2" Overall Length



- 065-S-81FG \$251.95 each

KODIAK CUB ROUND POINT SHOVEL



Smaller design for use in gardens and tight spaces. 16 gauge tempered steel blade. Forward turned step for secure foot placement. Premium 17" hardwood handle with 17" power D handle. 27" Overall length.



- 15663 \$13.25 each

HISCO TRENCH SHOVELS



- 4" x 12" Classic Trench Shovel with Hollow Back
- 72" Fiberglass Handle

- 10054 \$41.25 each



- 3" Step Trench Shovel
- Steel, Forward Step 3" x 11" Blade
- 47" Fiberglass Double-Dip Handle

- 10055 \$38.25 each

TACO LITE SHOVEL



- 3" Steel Taco Lite Tool with boxed step
- 2-3/4" x 11-1/2"
- 50" Fiberglass Handle

- 10064 \$46.95 each

GROUND TOOLS

IDEAL 30" POLY LAWN RAKE

- Uniform, fortified, premium polypropylene tines that retain their shape
- Ribbed construction provides additional rigidity and strength
- Twin tines for twice the rigidity
- 48" Handle
- Limited 5 year warranty



1923000 \$14.95 each

KODIAK 22-TINE SPRING BRACE RAKE

- Strong and flexible one-piece steel tines
- Heavy-duty bolt-thru construction
- 54" Handle
- Limited lifetime warranty



1935900 \$16.95 each

AMES LEAF RAKE

- Positive bolt-through handle construction securely locks head
- Steel coil spring provides smooth raking action
- Handle: 48" Head: 22" Tines: 22"



1936300 \$11.50 each

EAGLE GARDEN HOE

- 48" Wood Handle
- Welded Head
- Blade is 6-1/2" x 4'



18053 \$9.25 each

AMES ENSILAGE FORK

- Long, chrome-plated steel ferrule for added strength
- 30" Seal-coated Northern Ash handle
- Welded 10-tine with 1-1/2" tine spacing
- Power D handle



1829500 \$46.45 each

KODIAK BOW RAKE, FORGED

This bow rake is perfect for loosening or breaking up compacted soil, spreading mulch or other material evenly and leveling areas before planting. It can also be used to collect leaves, hay, grass or other garden debris.

- One-piece forged 14-tine tempered-steel rake head
- Extra-long 60" North American ash handle reduces back strain
- Professional grade tool for even the toughest jobs
- Steel ferrule for strongest blade and handle connection



18863 16-Tine \$28.95 each

18867 14-Tine \$26.50 each

TRUE TEMPER WELDED STEEL SIDEWALK SCRAPER

- 48" Handle
- 7.5" Blade



16478 \$11.95 each

16463 Heavy Duty \$24.95 each

TRUE TEMPER CONTRACTOR WHEELBARROW

- Heavy gauge seamless steel tray with front tray braces and 6 cu. foot capacity
- 16" Wheel assembly with pneumatic 2-ply tire with oil lube bearing
- Hardwood handles



77269 \$93.95 each

DIXIE POST DRIVER

- Drives steel fence posts into the ground
- Handles are ergonomically placed at an angle to allow maximum to be applied
- Welded steel plug prevents loosening during strong blows
- 2" inside pipe diameter
- Angled handles for easy driving
- 32" long, 22 lbs.



47141 \$49.95 each

GRAB-IT® LITTER GITTER

This inexpensive, easy-to-use trash retriever is an effective aid in the fight against pollution. With easy hand action, this lightweight durable tool picks up trash quickly and efficiently with no special training required. Constructed with an aluminum barrel and durable steel strappings, which give a dependable spring action to the always open jaws, and a gentle application on the firm, comfortable handle. Also great for picking up cans, bottles, paper, pine cones, picking fruit, etc. It's also a handy tool for the elderly and the handicapped.



10075 30" (1-9) \$19.95 each

10+ \$17.50 each

TRASH BAGS

109 55-60 Gallon, 2 Mil, Black, 25/Rol \$17.50 each

DIGGING (SAN ANGELO) BARS

Assists in the digging of holes in difficult soils. San Angelo style has a round pencil point end. Forged from hexagon shaped stock with a straight chisel-end blade. Finished with black enamel paint.



1705A 1" x 72" - weighs 17 lbs \$44.50 each

PICK MATTOCK HEAD

- 19-1/4" x 3-1/2"
- R50PM 5 lb. \$23.50 each

36" HICKORY PICK HANDLE
70-031 \$15.95 each

COMPLETE UNIT

30125 5 lb head with 36" handle \$34.95 each



(Parts Sold Separately)

SCOOPS & HACKSAWS

AMES #12 POLY SCOOP WITH POWER D-GRIP



This True Temper lightweight poly scoop is perfect for moving and scooping grain, seed, feed, fertilizers, and other granulated materials. It's also a useful and versatile garden tool. It's sturdy enough for general clean-up or for moving mulch, soil or even snow.

- Large, deep ABS poly blade, size #12, is perfect for big jobs
- 27" sturdy, stained North American ash handle for long life
- Power D-grip for added leverage and control



1680000 \$28.50 each

AMES #14 ALUMINUM SCOOP WITH CUSHION D-GRIP



This True Temper lightweight aluminum scoop is perfect for moving and scooping grain, seed, feed, fertilizers, and other granulated materials. It's also a useful and versatile garden tool. It's sturdy enough for general clean-up or for moving mulch, soil or even snow.

- Aluminum blade, size #14, is lightweight, non-sparking and naturally rust proof
- 27" sturdy, stained North American ash handle for long life
- Cushion D-grip for added comfort, leverage and control



16814 \$38.95 each

HISCO STEEL ASPHALT SCOOP

Steel 11" x 15" Asphalt Scoop. 27" Ash handle with D-Grip.

- HIASD 27" Ash Handle w/D-Grip \$43.95 each
- HIASL 44" Fiberglass Handle w/Double-Dip Grip \$46.95 each



HIASD



HIASL

IRWIN 15" STANDARD COARSE CUT SAW

- M2™ Tooth Technology: patent-pending advanced tooth geometry and Tri-Ground™ teeth provide a fast, efficient cut
- Deep Gullets™ provide rapid removal of chips
- Easy-Start™ Front Teeth: 12pt. Extra-fine front teeth provide a rapid, smooth start
- Thick-Body™ Blade: delivers rigidity and control
- Tapered-Pitch™ nose improves clearance and stability
- Hardwood handle



2011102 \$16.95 each

NICHOLSON ECONOMY HACKSAW FRAME

- Adjustable from 10"/250mm to 12"/300mm
- Cuts to 2.75"/70mm in depth
- For DIY and home use



80950 \$8.50 each

NICHOLSON GENERAL PURPOSE HACKSAW FRAME

- Instantly adjustable for 10"/250mm to 12"/300mm blades
- Adjusts 90° for vertical or horizontal cuts



80951 \$10.95 each

NICHOLSON SS1018 SHATTERPROOF HACKSAW BLADE

- Solid high carbon steel
- Tempered to provide hard edge with flexible back
- Specially hardened to induce toughness
- Economy blade for sawing light to medium-hard materials
- A good balance of wear resistance, mechanical shock absorbing properties
- Virtually unbreakable



63103 10" x 18 Teeth Per Inch \$0.80 each
 63112 10" x 24 Teeth Per Inch \$0.80 each

NICHOLSON NF1218 BI-METALLOY® HACKSAW BLADE

- Molybdenum alloy tool steel edge
- Tough flexible high carbon steel backing
- Lasts twice as long as high-speed steel
- Lasts up to ten times longer than carbon steel
- Operates 20% to 50% faster
- High tooth hardness and shock resistance



62723 12" x 18 Teeth Per Inch \$1.65 each
 62749 12" x 24 Teeth Per Inch \$1.65 each

**LEXOX SAWS & BLADES AVAILABLE.
 CALL FOR MORE INFORMATION.**

BOLT CUTTERS & SNIPS

H.K.Porter®

H.K. PORTER INDUSTRIAL GRADE CENTER CUT CUTTER

- General plant maintenance tool
- Drop-forged precision ground alloy tool steel jaws w/ center-cut blades
- Cuts soft, medium, or hard materials
- Maximum hardness of material to be cut: Brinell 455/Rockwell C48
- Lockplate keeps jaws from loosening
- Toggle joints turn 50 lb hand pressure to 4000 lb cutting pressure
- Screw-type adjustment realigns edges
- Steel handles with rubber grips



0090MC	18", 5/16" Capacity	\$91.50 each
0390MC	36", 9/16" Capacity	\$156.50 each
590MC	42", 11/16" Capacity	\$199.95 each

H.K. PORTER SERIES 2000 GENERAL PURPOSE CENTER CUT BOLT CUTTER

- Drop-forged jaws with center-cut blades
- Heat treated for wear resistance and long cutting life
- Cuts soft, and medium/hard materials
- Maximum hardness of material to be cut: Brinell 300/Rockwell C31
- Toggle joints turn 50 lb hand pressure to 4,000 lb of cutting pressure
- Precision cast, 1-piece, aluminum alloy handles with rubber grips



0190AC	24", 7/16" Capacity	\$75.95 each
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H.K. PORTER COMPACT BOLT CUTTERS

The dual material cutters are outfitted with a robust locking latch that is easy to adjust even when using gloves. In addition the Heavy-duty spring returns blades to their open position for high production applications.



0890MC	\$36.95 each
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H.K. PORTER 18" POWERLINK CENTER CUT BOLT CUTTER

- Power Link(TM) Technology for superior cutting power
- Double compound cutting action
- Precision engineered induction hardened center cut blades
- Heat treated for wear resistance and long cutting life
- Tubular steel handles for ultimate strength and cutting support
- Screw-type adjustment for blade gap and alignment
- Maximum hardness of material to be cut: Brinell 455/Rockwell C48



0090MCD	\$56.95 each
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KLEIN TOOLS.

KLEIN INSULATED HIGH-LEVERAGE CABLE CUTTER

- Individually tested to exceed the IEC 60900 and ASTM F1505 standards, for insulated tools, and clearly marked with the official 1000-volt rating symbol.
- Two layers of insulation provide protection against electric shock.
- Thick, exceptionally tough, high-dielectric white inner coating is bonded to the tool.
- A flame retardant, impact-resistant, bright orange outer coating.
- Integral guards help prevent hand contact with conductive parts.
- Special, high-leverage design for exceptional cutting capability.
- Cable-gripping shear-type jaws.
- Precision, one-hand shearing action.



63050	\$33.95 each
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9-3/4" METALMASTER® COMPOUND ACTION SNIPS

- Left cut, cuts left from tight curves to straight
- Cuts low carbon cold rolled steel
- Non-slip serrated jaws are made of wear-resistant molybdenum steel
- Provides extra service demanded by the compound lever action
- Self-opening action for fast, effortless feed
- Convenient, protective safety latch
- Red handles for ease of identification

Wiss®



M1R	Cuts straight to left, red grips	\$16.95 each
M2R	Cuts straight to right, green grips	\$16.95 each
M3R	Cuts straight, left or right in light stock	\$16.95 each

H.K.Porter®

***MANY OTHER H.K. PORTER CUTTERS AVAILABLE.
CALL FOR MORE INFORMATION**

HAMMERS

PLUMB HAMMERS

- High-luster, full-polished finish
- Virtually unbreakable fiberglass handle
- Solid fiberglass core covered with a molded nylon jacket
- Resists breakage due to overstrike
- Contoured handle for increased comfort and reduced fatigue
- Enlarged handle base for butting material
- New grip material reduces handle slickness
- Factory balanced for maximum striking power
- Permabond® construction between head and handle



16 OZ PRO SERIES FIBERGLASS CURVE CLAW HAMMER



11402 16 oz Head, 13" Overall Length \$22.75 each

22 OZ PRO SERIES FIBERGLASS RIP CLAW CHECKERED FACE HAMMER



11417 22 oz Head, 15" Overall Length \$24.95 each

STANLEY® RIP CLAW FIBERGLASS NAILING HAMMER

- Fiberglass core adds strength and durability in the handle, reduces vibrations and provides the "feel of wood"
- Yellow-colored shaft for easy product visibility
- Exclusive rim temper reduces incidences of chipping or spalling



STA51-622 \$12.95 each

ECONOMY HAMMERS

HM 14015 16 oz, Fiberglass Handle \$7.95 each
 HM 14027 16 oz, Wood Handle \$9.95 each

ESTWING® HAMMERS

Estwing's Hammers provide unsurpassed balance and temper. The head and handle are fully polished and forged in one piece. Exclusive Vinyl Shock Reduction Grip® is molded on and offers the utmost in both comfort and durability, while reducing vibrations caused by impact.



ESTWING® CURVED CLAW HAMMERS, SOLID STEEL



E3-16C 16 oz, 13" Overall Length \$31.50 each
 E3-20C 20 oz, 13-1/2" Overall Length \$35.95 each

ESTWING® STRAIGHT CLAW RIP HAMMER, SOLID STEEL



E3-20S 20 oz, 13-1/2" Overall Length \$35.95 each

ESTWING® FRAMING HAMMER – LONGER HANDLE



E3-22SM 20 oz, 13-1/2" Overall Length \$43.95 each

ESTWING® WELDING CHIPPING HAMMER



E3-WC 14 oz, 11" Overall Length \$29.50 each

ESTWING® ENGINEER HAMMER



E6-48E 48 oz, 16" Overall Length \$31.95 each

ESTWING® DRILLING HAMMER

- Shock Reduction Grip® reducing vibrations caused by impact
- Forged in one piece w/blue UV coating
- Use with chisels, punches, star drills and hardened nails
- Permits heavy blows with limited swing



B3-2LB 2 lb \$30.95 each
 B3-3LB 3 lb \$30.95 each
 B3-4LB 4 lb \$34.95 each
 B3-4LBL 4 lb, Long Handle \$35.50 each

BALL PEIN HAMMERS

ESTWING BALL PEEN HAMMER

Estwing's Ball Peen Hammers have bonded and molded Nylon Shock Reduction Grip™ which offers the utmost in both comfort and durability, while reducing vibrations caused by impact. Estwing hammers are the only hammers that can make this claim. Head and handles are fully polished and are forged in one piece.



E3-32BP 32 oz, 14" Overall Length \$39.95 each

VAUGHAN COMMERCIAL BALL PEIN HAMMER

- Forged Steel
- Other surfaces finished in rust resistant black paint
- Compression wedged handle
- Straight Hickory Handle
- 13-1/4" Overall Length



TC308 8 oz, 11-3/4" Overall Length \$13.15 each
 TC016 16 oz, 13-1/4" Overall Length \$14.99 each
 TC120 20 oz, 15" Overall Length \$16.99 each

ATLAS CHIPPING HAMMER

The Atlas "Long Neck" head design offers 50% greater handle support and protection from handle splinter caused by working over an edge. Select Hickory handles are hand fitted and secure in the head by a unique process which virtually eliminates handle loosening. Cone and Chisel Steel Head with a straight Hickory Handle.



WH-20A \$12.25 each

AMPCO BRASS NON-SPARKING DOUBLE-FACE ENGINEER HAMMER

Non-sparking, Non-magnetic and Corrosion resistant. Made in the USA. Rubber Handle



065-H-14FG 2 lb \$76.50 each
 065-H-17FG 3.5 lb \$127.25 each
 065-H-71FG 7.5 lb \$234.95 each
 065-H-72FG 10 lb \$291.50 each

COUNCIL TOOL BACK-OUT PUNCH

Used for driving out bolts, rivets, and pins. Forged tool steel head. Clear lacquer finish to deter rust. Striking face is hand beveled. Heat treated after machining for increased depth of hardness. Heat treatment produces fine grain structure and Rc 46-54 (Rockwell) for safety and toughness. American-made 15" hickory handle, kiln dried before turning. Eye section is then dried below 10% moisture content prior to assembly. Handle is hydraulically inserted into head and secured with a serrated aluminum wedge, providing a very secure mechanical bond. Made in the USA.



BO500 1/2" Nose Diameter \$45.95 each
 BO750 3/4" Nose Diameter \$51.95 each
 BO100 1" Nose Diameter \$59.95 each

CUSTOMER NOTES:



HAMMERS

SLEDGE HAMMERS

SEYMOUR SLEDGE HAMMERS— 36" HANDLE



PR600	6 lb, Hickory Handle.....	\$25.95 each
PR800	8 lb, Hickory Handle.....	\$33.95 each
PR800F	8 lb, Fiberglass Handle.....	\$37.95 each
PR1000	10 lb, Hickory Handle.....	\$38.95 each
PR1000F	10 lb, Fiberglass Handle.....	\$41.95 each
PR1200	12 lb, Hickory Handle.....	\$42.50 each
PR1200F	12 lb, Fiberglass Handle.....	\$47.25 each
PR1600	16 lb, Hickory Handle.....	\$67.95 each
PR2000	20 lb, Hickory Handle.....	\$72.25 each
92001	Replacement Wood Handle for 6-16 lb sledges.....	\$9.95 each

WILTON UNBREAKABLE™ B.A.S.H. SLEDGE HAMMER

Revolutionary construction designed with Unbreakable™ handle technology makes this the highest quality, most indestructible tool ever. A Hi-Vis, Drop Forged head (46 hrc) endures the most demanding applications.



825-20624	6 lb, 24" Handle.....	\$89.50 each
825-20630	6 lb, 30" Handle.....	\$97.50 each
825-20824	8 lb, 24" Handle.....	\$99.50 each
825-21030	10 lb, 30" Handle.....	\$115.95 each
825-21230	12 lb, 30" Handle.....	\$136.25 each
825-21430	14 lb, 30" Handle.....	\$172.50 each
825-22036	20 lb, 36" Handle.....	\$182.95 each

COUNCIL TOOL BRASS NON-SPARKING HAMMERS

Durable non-sparking, non-magnetic hammer. Made from a tough, manganese-bronze alloy that offers superior strength advantages over brass and other bronze alloys. Ideal tool for applications and environments where you can't have a spark or magnetic attraction.



NSBRZDF26FG	2.6 lb.....	\$73.50 each
NSBRZDF38FG	3.8 lb.....	\$97.50 each

STANLEY® 2 LB SOFT FACE HAMMER

- Uni-Cast™ construction of non-ferrous materials eliminates sparking and won't absorb liquids
- No exposed metal on face, head or shaft
- Dead blow function eliminates bounceback when striking hardened surfaces
- Soft face helps prevent marring
- Steel reinforced handle provides strength and resists breaking on overstrike



STA57-532 \$36.95 each

OLYMPIA TOOLS RUBBER MALLET

32 oz Black Rubber Head with premium hardwood handle.



534545 \$12.95 each

HISCO ENGINEER HAMMER



- 3 lb Double-Faced Head
- 13" Fiberglass Handle
- Total Weight 3.5 lbs



10045 \$29.95 each

SEYMOUR STRUCTRON ENGINEER HAMMER

16" Fiberglass Handle



PR30	3 lb.....	\$14.50 each
PR40	4 lb.....	\$20.50 each

U.S. TAPE DEAD BLOW HAMMERS

STRIKER Dead Blow Hammers have a soft face that prevents marring of the work surface and reduces noise. The sand-loaded head adds weight for controlled impact, minimized rebound, and low vibration. Controlled swing allows for less fatigue with extended use and the textured grip handle makes the hammer easy to hold.



69005	3 lb.....	\$28.95 each
69006	4 lb.....	\$30.95 each

BARS

ESTWING LIGHTWEIGHT I-BEAM CONSTRUCTION PRY BAR

Estwing's Lightweight I-Beam Construction Pry Bar has beveled nail slot. It's I-Beam construction gives added strength while removing weight. Rocking head provides maximum leverage.



PB-18..... \$19.95 each

CATS PAW™ GOOSENECK WRECKING BARS

- 3/4" Stock Size
- Hex Stock Shape
- Tip Type: Claw - Gooseneck, Chisel - Offset
- Alloy Steel



41002 24"\$16.50 each
41004 36"\$24.50 each

KRAFT TOOL HEAVY DUTY PRY BAR

- Ideal all-purpose tool for prying forms and other construction jobs
- Specially designed 3" wide blade angle and hardened steel claw



GG631 Little John – 46" Overall Length \$79.95 each
GG630 Big John – 56" Overall Length \$106.95 each

COUNCIL CROWBARS

Intended for pinching and prying of large objects. Available with a pinch or wedge point opposite a tapered round handle. Painted black. Weight - 18 lbs.



180PP 1-1/4" x 60" Pinch Point \$47.95 each
180WP 1-1/4" x 60" Wedge Point (pictured)..... \$48.25 each

(Other styles and lengths available. Call for more information)

JACKSON PINCH POINT CROWBAR

- 1-1/4" x 60"
- Used to pry and move heavy objects



180PP \$47.95 each

UNIONTOOLS 60" WEDGE POINT BAR

For levering and demolition jobs



180WP \$47.95 each

KLEIN GRIZZLY™ BAR

A heavy, strong, multi-purpose tool that saves time and effort on the job. The 3" (76 mm) width protects concrete when stripping forms. Efficient blade angle and 55-1/2" (141 cm) total length provide high leverage as a crow bar and nail and spike puller. Blade is forged and hardened alloy with keyhole nail-pulling slot in center and V-notch in tapered edge. Very efficient nail-pulling tool even in awkward positions. Can also be used to help align walls during tilt-up construction, to roll and align large pipe, to remove shingles and flooring, and for many other stripping and prying tasks.



64306 55-1/2" Overall Length \$96.95 each

REED MANHOLE COVER HOOK

- Manhole hooks are forged of 5/8" hex high carbon steel
- Handle fits large hand.
- Rotated handle and rocker head to more easily enter notch in stubborn covers
- Points are 1/2" wide for cover openings
- Powder painted for corrosion protection



REED02302.....\$46.75 each

REED FIRE HYDRANT WRENCH

- Suitable for pentagon and square hydrant nuts.
- Strong and knurled for more secure gripping for critical field applications
- Spanners for either pin or lug style hose couplings
- Zinc-chromate plated for corrosion-resistance
- Lifetime Warranty



REED02283.....\$28.50 each

CUSTOMER NOTES:



NAILS & FASTENERS

NAILS

SITEPRO HI-MAGNETIC MASONRY NAILS

- 3 times easier to locate than other nails on the market
- Most preferred by professionals
- Zinc plated to resist corrosion
- Large targeted center point
- 6 sizes available from 2-1/2 to 3/4 inches in length
- Includes durable pouch with velcro closure
- Box of 100 nails

Part Number	Size	Price: Qty 1-9 Boxes	Price: Qty 10+ Boxes
20-751	1/8" x 3/4"	\$5.95	\$5.25
20-752	5/32" x 1"	\$7.25	\$6.95
20-753	3/16" x 1-1/4"	\$10.40	\$9.40
20-754	1/4" x 1-1/2"	\$14.50	\$13.25
20-755	1/4" x 2"	\$16.95	\$15.75
20-756	1/4" x 2-1/2"	\$21.25	\$19.25

MAG NAILS

Rock hard MAG NAIL has become the chosen nail among surveyors worldwide. The MAG NAIL has also been coated with an environmentally friendly zinc and clear chromate to resist corrosion.

- Find it farther
- Larger center point
- More durable than other nails
- Zinc Plated- ROHS European Compliant
- Box of 100 nails



Part Number	Size	Price: Qty 1-9 Boxes	Price: Qty 10+ Boxes
MAG-1	5/32" x 1"	\$7.85	\$7.35
MAG-2	3/16" x 1-1/4"	\$10.95	\$9.95
MAG-3	1/4" x 1-1/2"	\$14.95	\$13.75
MAG-4	1/4" x 2"	\$17.75	\$16.25
MAG-5	1/4" x 2 1/2"	\$21.75	\$19.95

MAG-HUBS

- 6" x 1/4"
- Box of 360



23MAGHUB6\$89.50 each

ALUMINUM SIDING NAILS

2AKAET 3/8" Head, 2-1/8" Long, 1 lb. box..... \$5.95 each
 2AKAET-50 3/8" Head, 2-1/8" Long, 5 lb. box..... \$215.50 each

BRIGHT SPIKES – 50 LBS.

53262 3/8" x 8" \$80.95 each
 53282 3/8" x 12" \$80.95 each

COMMON NAILS – 50 LBS.



MM-6D	6D	.....\$56.99 each
MM-8D	8D	.....\$56.99 each
MM-16D	16D	.....\$56.99 each
53202	20D	.....\$61.95 each
0040B	40D	.....\$71.50 each
MM-60D	60D	.....\$56.99 each

DUPLEX NAILS – 50 LBS.

6855	8D	..... \$56.99 each
7480	16D	..... \$57.95 each

FASTENERS

BAR TIES – BAG OF 5,000



0497550 4" \$42.95 each
 0497561 5" \$44.95 each
 0497563 6" \$56.00 each
 0497565 8" \$63.85 each

MARMAC TIE WIRE

- 16 gauge
- 3.5# Roll



MM-TIEWIRE.....\$4.50 roll

WIRE REEL FOR TIE WIRE

- Lightweight, but strong
- Will not chip, crack or break
- Fits any standard belt



GG309 Yellow Plastic.....\$20.95 each
 GG311 Gray Metal\$33.95 each

WEDGE-ALL® WEDGE ANCHOR

The Wedge-All® wedge anchors are a non-bottom bearing, wedge-style expansion anchor for use in solid concrete or grout-filled concrete masonry. A one-piece clip ensures uniform holding capacity that increases as tension is applied. Zinc finish. Sold in boxes of 25.



WA50414 1/2" X 4-1/4" \$0.75 each
 WA50700 1/2" X 7" \$1.10 each
 WA37500 3/8" X 5" \$1.05 each

EDOT™ EPOXY ANCHORING ADHESIVE

Formulated specifically for doweling applications, EDOT™ is a two-component, high-solids epoxy system. It is designed for use as a high-strength, nonshrink anchor grouting. Resin and hardener are dispensed and mixed simultaneously through the static mixing nozzle. EDOT meets the requirements of ASTM C-881 and AASHTO M235 specifications for Type I, II, IV and V, Grade 3, Class C.



EDOT22-N 22 oz Cartridge w/Nozzle..... \$16.50 each

ET-HP® ANCHORING ADHESIVE

ET-HP® is a two-component, high-solids epoxy system for use as a high-strength, non-shrink anchor grouting material. Resin and hardener are dispensed and mixed simultaneously through the mixing nozzle. Tested in accordance with AC308.



ET-HP22-N 22 oz Cartridge w/Nozzle..... \$32.50 each

SET® ANCHORING ADHESIVE

SET® is a two-component, 1:1 ratio, high-solids, epoxy-based adhesive for use as a high strength, non-shrink anchor grouting material. Resin and hardener are dispensed and mixed simultaneously through the mixing nozzle. SET meets or exceeds the requirements of ASTM C-881 specification for Type I, II, IV and V, Grade 3, Class B and C.



SET22N 22 oz Cartridge w/Nozzle..... \$38.95 each

ACCESSORIES

EMN22I	Single Epoxy Mixing Nozzle	\$3.75
EMN22I-RP10	10 pack Epoxy Mixing Nozzle	\$35.95
EDT22S	Manual Dispensing Tool for 22 oz Cartridges	\$93.50

SET-XP® HIGH-STRENGTH ANCHORING ADHESIVE FOR CRACKED & UNCRACKED CONCRETE.

SET-XP® is a 1:1 two-component, high-solids, epoxy-based anchoring adhesive formulated for optimum performance in both cracked and uncracked concrete. SET-XP® adhesive has been rigorously tested in accordance with ICC-ES AC308 and 2009 IBC requirements and has proven to offer increased reliability in the most adverse conditions, including performance in cracked concrete under static and seismic loading. SET-XP® adhesive is teal in color in order to be identified as a high-performance adhesive for adverse conditions. Resin and hardener are dispensed and mixed simultaneously through the mixing nozzle. SET-XP® adhesive exceeds the ASTM C 881 specification for Type I and Type IV, Grade 3, Class C epoxy.



SET-XP10 8.5 oz Cartridge \$22.95 each

TOUCH-N-FOAM MAX FILL

The original Touch 'n Foam sealant formulated to fill gaps and voids all around the home. This super-expanding foam creates an airtight, weather-resistant bond that seals out drafts while blocking insects and other pests. MaxFill Foam Sealant is ideal for filling larger gaps and cracks. It can be used indoors or outdoors.



TOUCHFOAM 12 oz Can..... \$6.75 each

RED DEVIL CAULKING GUN

1/10 Gallon, Half Barrel



630-3985 \$3.95 each

HEAVY DUTY DISPENSING TOOL

Manual Dispensing Tool for SET-XP™ 10 Adhesive, and other Single Cartridge Adhesives. Features a steel carriage for ultimate durability and is engineered for continuous, high-volume use. Also features double-gripping plates that help extend tool life.



CDT105S 10 oz \$35.75 each

DAP® 100% SILICONE RUBBER SEALANT

100% silicone rubber sealant provides excellent durability, flexibility and adhesion for a long-lasting, waterproof seal. Resists cracking, crumbling and chalking. Cured sealant is mildew resistant. Indoor/outdoor use. Meets ASTM C920, Specification C719, Class 25.



08641 10.3 oz Container \$4.75 each

SONOLASTIC® NP 1™

NP 1™ is a one-component, high-performance, nonpriming, gun-grade, elastomeric polyurethane sealant. It requires no mixing and typically requires no priming to bond to many materials, including concrete and masonry. 10.3 oz. tube.



- NP1OFFWHITE Off-White\$6.75 each**
- NP1BLK Black\$6.75 each**
- NP1LMSTN Limestone\$6.75 each**
- NP1TAN Tan\$6.75 each**
- NP1WHITE White\$6.75 each**
- NP1ALUGRA Aluminum Gray\$6.75 each**

SONOLASTIC® SL 1™

SL 1™ is a one-component nonpriming, self-leveling elastomeric polyurethane designed for expansion joints in concrete floors and decks.



SL1GRY Grey \$19.95 each

LOCTITE C5-A® COPPER BASED ANTI-SEIZE LUBRICANT

Exclusive formula suspends copper and graphite in a high quality grease. Protects metal parts from rust, corrosion, galling, and seizing. Temp. Range : 1800.0 °F [Max]



442-51007 1 lb Brush-Top Can..... \$25.75 each

NEVER-SEEZ

Protects against rust, corrosion, carbon fusion and seizure at high temperatures. Keeps parts working longer with less wear.



535-NSBT-16 1 lb Brush-Top Can..... \$24.50 each

PROFESSIONAL LEVER GREASE GUN

Heavy duty grease gun. Variable/short stroke for easy use in confined areas. Air bleeder and bulk loader fitting for 3-way loading: 14 oz. cartridge, bulk or suction. 5-3/8" pipe and coupler. Develops up to 10,000 PSI and delivers 1.8 oz./40 strokes.



30-475 \$31.95 each

CRESCENT® TOOLS



CRESCENT® 3/4" DRIVE MECHANICS TOOL SET

CTK14SAE 14 Piece, SAE \$202.95 each
 CTK21SAE 21 Piece, SAE \$269.95 each
 *Also available in metric



CRESCENT® MECHANIC'S TOOL SETS

- Includes most commonly used mechanic's tools - 170 pieces
- 1/4", 3/8" and 1/2" Drive
- 6 and 12 Point
- SAE/Metric
- Exceeds ANSI Specs



CTK170MP \$131.50 each

CRESCENT® 30 PIECE SOCKET AND TOOL SET WITH HARD CASE

- Professional quality, Cr-V
- 3/8" drive ratchet handle; 6" extension; 3" extension
- Metric sockets: 9, 10, 12, 13, 14, 15, 17, 19
- SAE sockets: 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4
- Deep Metric sockets: 12, 13, 14, 16, 17
- Deep SAE sockets: 7/16, 1/2, 9/16, 5/8, 11/16
- 13/16" spark plug socket



CTK30SET \$39.95 each

CRESCENT® 70 PIECE SOCKET AND TOOL SET WITH HARD CASE

- Professional quality
- 3/8" drive, 1/4" drive ratchet handles; 1/4" & 3/8" x 3" extensions
- 32 SAE and Metric sockets
- 8 SAE hex key set
- Multi-bit DuraDriver screwdriver
- 12 SAE and Metric combination wrenches



and 12 bits

CTK70MP \$67.50 each

CRESCENT® 140 PIECE PROFESSIONAL MECHANIC'S TOOL SET

Carefully selected assortment of Crescent® brand hand tools. Set contains all the tools needed for most industrial applications, including 1/4", 3/8", and 1/2" quick-release ratcheting drives, with a wide selection of standard and deep sockets in the most common SAE and metric sizes. All tools are industrial-quality, meeting stringent new ANSI and ASME specifications, and come with a full satisfaction guarantee



CTK140CMP \$195.00 each

CRESCENT® CHROME FINISH ADJUSTABLE WRENCHES

- Domestic
- For professional, industrial or home use
- Wide capacity jaw allows each tool to work with more fastener sizes
- Wider handle provides more comfort and less stress to the hand
- Tension spring stabilizes jaw and knurl adjusts easily
- Alloy steel and heat treated
- Proportioned dimensions for greatest strength and minimum weight
- Chrome plated finish resists rust and corrosion
- Polished head and regular, satin finished handle



AC14	4"	.....	\$16.95 each
AC16	6"	.....	\$18.95 each
AC18	8"	.....	\$19.95 each
AC110	10"	.....	\$24.95 each
AC112	12"	.....	\$35.95 each
AC115	15"	.....	\$57.95 each
AC118	18"	.....	\$98.95 each
AC124	24"	.....	\$158.95 each
AC3C	3 pc Set: 6", 8", 10"	.....	\$64.95 each

CRESCENT® CHAIN NOSE SIDE CUTTING SOLID JOINT PLIERS, CUSHION GRIP

- 7-1/2" Long
- Designed for reaching confined areas
- Long chain nose with fine serrated jaws to make wire loops and bends
- Electronically induction hardened hand-honed, keen side cutting edges
- Made of forged alloy tool steel
- Individually tested for strength and cutting ability
- Polished head
- Red non-slip cushion handle grips



6547CVN \$19.95 each

CRESCENT® 10" TONGUE AND GROOVE PLIERS, STRAIGHT JAWS, CUSHION GRIP

- Made from finest quality tool steel
- Designed to grip all shapes like rods, pipes and cable connections
- Precision-milled ribs for smooth, positive interlock between two halves
- No chance of halves separating or jumping out of grooves
- Straight jaws and self-locking jaw adjustment
- Forged, hardened and tempered
- Red non-slip cushion handle grips



R210CV Jaw Capacity 1-1/2 in./38 mm \$15.35 each

20V MAX* XR LITHIUM ION BRUSHLESS PREMIUM HAMMERDRILL & IMPACT DRIVER COMBO KIT

- DEWALT-built brushless motor delivers up to 57% more run time over brushed
- XR Li-Ion batteries with fuel gauge provide 33% more capacity over standard packs
- DCD995 20V MAX*1/2" hammerdrill 3-speed, high performance (0-2,000 RPM) all-metal transmission optimizes tool-to-task for fast application speeds and improved run time
- DCD995 20V MAX*1/2" hammerdrill 0-34,000 BPM for fast drilling in masonry materials
- DCD995 20V MAX*1/2" hammerdrill compact size--8.4" front-to-back length & lightweight 4.7 lb--fits tight areas
- DCF886 20V MAX* 1/4" impact driver provides 1,500 in-lbs of max torque at fast 0-2,800 RPM speed and 0-3,200 impacts per minute
- DCF886 20V MAX* 1/4" impact driver compact size--5.6" front-to-back length & lightweight 3.4 lbs--fits into tight areas
- Both tools feature LED lights with 20 second trigger release delay providing increased visibility in dark or confined spaces



DKC296M2 \$369.00 each

20V MAX* LITHIUM ION RECIPROCATING SAW KIT

- 4-Position Blade Clamp allows for flush cutting and increased positional versatility with tool free blade changes.
- 1-1/8" stroke length delivers a fast cutting speed.
- Variable speed trigger with 0-3000 spm provides increased blade control and faster cut speeds.
- Pivoting adjustable shoe extends blade life and allows depth of cut control.
- Rubber overmolded comfort grip delivers optimal comfort and control
- Double oil sealed shaft resists contamination and increases durability.



DCS380P1 \$259.00 each

20V MAX* LITHIUM ION GREASE GUN

- Powerful motor delivers 10,000 max psi to power through clogged grease fittings
- High-volume pump pushes up to 5.0 oz/min high-flow applications
- Up to 16 cartridges per charge with a single DEWALT 20V MAX Battery (4.0 Ah)
- Variable speed trigger offers precise control of the grease flow
- 42" extra-long and flexible hose designed for reaching hard to access grease fittings
- Bright LED light assists in locating hard to see grease fittings in low-light situations
- Innovative pump filter screen prevents dirt and contamination from clogging the pump mechanism
- Integrated no-mar foot design allows operators to rest the tool on flat surfaces
- Air-bleeder valve assists in pump priming after cartridge changes



20V MAX* XR LITHIUM ION BRUSHLESS PREMIUM 3-SPEED HAMMERDRILL KIT

- DEWALT-built high power, high efficiency brushless motor--650 unit watts out (UWO) max power for superior drilling & fastening applications performance--delivers up to 57% more run time over brushed
- XR Li-Ion batteries with fuel gauge provide 33% more capacity over standard packs
- 3-speed, high performance (0-2,000 RPM) all-metal transmission
- 0-34,000 BPM for fast drilling in masonry materials
- Compact size--8.4" front-to-back length & lightweight 4.7 lb--fits tight areas
- Heavy-duty 1/2" metal ratcheting chuck with carbide inserts for superior bit gripping strength
- LED light with 20 second trigger release delay, improved LED tool placement minimizes chuck shadows



DCD995M2 \$299.00 each

20V MAX* XR BRUSHLESS HIGH TORQUE 1/2" IMPACT WRENCH KIT W. DETENT ANVIL (5.0AH)

- Up to 700 ft-lbs of max torque and 1200 ft-lbs of max breakaway torque
- Compact design of 8-13/16" in length and weighs only 7.2 lbs
- 1/2" Anvil with detent pin
- LED light with 20 second delay
- Multi-speed control for a variety of applications (0-400/ 1,200/ 1,900 RPM)



DCF899P2 \$499.00 each



IMPORTANT MOMENTS IN HISTORY

- 1924 DeWalt Products Company is formed with plant and offices located in Leola, Pennsylvania. Their product is an electric universal woodworking machine known as the DeWalt "Wonder-Worker."
- 1941 The DeWalt firm begins a period of rapid expansion to meet the demands of government orders in connection with national defense and wartime machinery requirements.
- 1967 Introduces bench grinder.
- 1971 Introduces metal cutting machines for ferrous and non-ferrous metal
- 1992 DEWALT introduces its first line of portable electric power tools and accessories designed specifically for residential contractors, remodelers, and professional woodworkers.

**Call for Promotions. All prices & part numbers subject to change / Bare tools also available*

DEWALT TOOLS



20V MAX* LITHIUM ION GRINDER TOOL KIT

- 7,000 RPM motor provides high-power for cutting and grinding applications
- Quick-Change™ Wheel Release allows for tool free wheel changes without the need for a wrench
- Tool free guard allows for quick, easy guard adjustments/positioning
- 2-finger trigger switch (w/ lock-off button) allows for convenient activation and easier gripping
- 2-position side handle offers greater control, comfort & versatility
- 5.0 amp hour batteries (2)
- Power to Grind



DCG412P2 \$309.00 each

20V MAX* LITHIUM ION CIRCULAR SAW KIT

- Powerful 5,250 rpm motor delivers power and speed to make the most demanding cuts with ease
- High strength and lightweight magnesium shoe provides jobsite durability for long-term cut accuracy
- Optimized rubber overmolded comfort grip delivers optimal balance and control
- 0°-50° bevel capacity allows for aggressive bevel cuts for a multitude of applications
- 6-1/2" carbide tipped blade for cutting 2x material at 90° and 45° and more cuts per charge
- 20V MAX* Lithium Ion 5.0 AH battery



DCS391P1 \$259.00 each

20V MAX BRUSHLESS SDS ROTARY HAMMER

- Brushless motor for extended runtime and durability
- SHOCKS™- Active Vibration Control significantly reduces vibration and increases user comfort and productivity, A Perform and Protect Feature
- 2.1 Joules impact energy provides corded power without the cord
- Retractable Utility Hook for convenient hanging and storage



DCM273P2 \$539.10 each

20V MAX* PREMIUM XR 5.0AH LITHIUM ION 2- PACK

- Premium XR Lithium Ion pack provides up to 60% more capacity than standard 20V MAX* battery pack (DCB200)
- 3-LED fuel gauge system allows immediate feedback on state of charge
- No memory and virtually no self-discharge for maximum productivity and less downtime
- Lightweight at 1.4 lbs and compatible with entire line of 20V MAX* tools



DCB205-2 \$189.00 each

COMBINATION DUAL PORT FAST CHARGER

- Port 1 charges all DEWALT® 12V - 20V MAX* Li-Ion batteries
- Port 2 charges all DEWALT® 7.2V - 18V NiCd/NiMH/Li-Ion batteries (except Univolt batteries)
- Charges batteries in 1 hour or less thus minimizing downtime
- Diagnostics with LED indicator communicates battery charge status: charged, charging, power line problem, battery too hot or too cold, and problem pack or charger



DCB103 \$99.00 each

40V MAX* LITHIUM ION XR BRUSHLESS BLOWER (4.0 AH)

- 400 CFM and 120 MPH performance
- Variable trigger and speed lock
- Lightweight and ergonomic design
- Designed to withstand everyday heavy-duty usage



DCBL790M1 \$299.00 each

40V MAX* LITHIUM ION XR BRUSHLESS 15" STRING TRIMMER (4.0 AH)

- Brushless Motor
- Dual 0.080" line with bump feed
- Variable trigger with speed control
- Metal gear case for on the job durability
- Patented gear drive design



DCST990M1 \$299.00 each

**Call for Promotions. All prices & part numbers subject to change / Bare tools also available*

40V MAX* LITHIUM ION 22" HEDGE TRIMMER (4.0 AH)

- Powerful high output motor for cuts up to 3/4" thick
- 22" laser cut, hooked-tooth blade design
- Removable gear case cover for easy blade exchange
- High impact housing for shock resistance and durability
- Removable top cover for easy access to brushes



DCHT860M1 \$299.00 each

1-1/2" (40MM) DIE GRINDER, NO LOCK-ON

- 4.2 Amp, 25,000 rpm motor provides high power and speed for all 1-1/2" grinding applications
- AC/DC capacity works off welding machines and generators for increased productivity and versatility
- Convenient paddle switch
- Precision 1/4" collet securely holds all proper accessories



DWE4887 \$169.76 each

4-1/2" (115 MM) / 5" (125 MM) HIGH PERFORMANCE PADDLE SWITCH GRINDER WITH NO LOCK-ON

- 13.0 Amp / 2.3HP, 11,000 rpm DEWALT built G55 (AC) motor designed for faster material removal and higher overload protection
- No Lock-On paddle switch prevents the user from locking the grinder on
- Dust Ejection System™ provides durability by ejecting damaging dust and debris particles that enter the tool through the air intake vents
- Quick-Change™ Wheel Release allows tool free wheel removal
- Dual Abrasion Protection provides increased motor protection from damaging dust and debris ingestion
- One-piece brush arm prevents brush hang-up due to dust ingestion
- E-Clutch® shuts the grinder off when a wheel pinch or wheel stall occurs, extending the life of the gears and motor
- Power-Off® Advanced Overload Protection shuts the tool off before it reaches overload or burn-up
- Power-Loss Reset® prevents accidental re-starts following a power disruption when the tool is left in the "on" position
- Vibration-reducing side handle increases comfort for extended use applications
- Low profile, jam-pot gear case provides precise gear alignment for a smoother, quieter transmission while allowing access to tight spaces
- Auto-off brushes shut the tool down when the brushes need replacing to avoid tool damage
- Keyless adjustable guard provides tool-free guard adjustments, increasing productivity



D28114N \$145.25 each

5" (125 MM) / 6" (150 MM) HIGH PERFORMANCE CUT-OFF/GRINDER WITH NO LOCK-ON

- 13.0 Amp / 2.3HP, 9,000 rpm DEWALT built G55 (AC) motor designed for faster material removal and higher overload protection
- No Lock-On paddle switch prevents the user from locking the grinder on
- Dual Clutch Protection™ prevents the gears from stripping and motor from burning up in a wheel pinch/stall increasing durability
- Dust Ejection System™ provides durability by ejecting damaging dust and debris particles that enter the tool through the air intake vents
- Quick-Change™ Wheel Release allows tool free wheel removal
- Dual Abrasion Protection provides increased motor protection from damaging dust and debris ingestion
- One-piece brush arm prevents brush hang-up due to dust ingestion
- E-Clutch® shuts the grinder off when a wheel pinch or wheel stall occurs, extending the life of the gears and motor
- Power-Off® Advanced Overload Protection shuts the tool off before it reaches overload or burn-up
- Power-Loss Reset® prevents accidental re-starts following a power disruption when the tool is left in the "on" position
- Vibration-reducing side handle increases comfort for extended use applications
- Low profile, jam-pot gear case provides precise gear alignment for a smoother, quieter transmission while allowing access to tight spaces
- Auto-off brushes shut the tool down when the brushes need replacing to avoid tool damage
- Keyless adjustable guard provides tool-free guard adjustments, increasing productivity



D28144N \$195.00 each

5" (125MM) MEDIUM ANGLE GRINDER

- 12.0 Amp AC/DC, 10,000 rpm motor provides high speed for fast material removal
- High power-to-weight ratio for greater efficiency and reduced user fatigue
- Adjustable guard can be adjusted to redirect sparks away from user
- Rear handle design for greater comfort and control
- External brush caps for easy servicing
- Sealed ball and roller bearings for extended motor life



DW831 \$145.25 each

**Call for Promotions. All prices & part numbers subject to change / Bare tools also available*

DEWALT TOOLS



7" 8,500 RPM 4.7 HP ANGLE GRINDER

- High power 4.7 HP (maximum motor HP) 8,500 rpm motor provides overload protection provides higher operating speeds under load
- Dust Ejection System™ protects the motor from damaging particles entering air intake that would otherwise abrade the motor and increases brush life
- Anti-Vibe Trigger Handle reduces user fatigue caused by vibration
- Light weight design (11.6 lbs) lessens user fatigue
- Automatic turn-off brushes shut down the tool when brushes need to be changed to avoid tool damage
- Low profile gear case allows for work in tight areas
- 8,500 rpm provides optimal material removal with 7" grinding wheels
- Brush door allows for quick brush replacement
- Quick Change Guard allows user to quickly adjust guard to redirect sparks
- Soft grip trigger handle provides greater comfort and control
- Thick, "S" style cord takes the abuse of the jobsite and shop environments providing durability and long life for the cord set
- 3 position side handle provides improved ergonomics for specific applications



DWE4557 \$214.44 each

9" 6,500 RPM 4.7 HP ANGLE GRINDER NO-LK

- High power 4.7 HP (maximum motor HP) 6,500 rpm motor provides overload protection provides higher operating speeds under load
- Dust Ejection System™ increases brush life and protects the motor from damaging particles entering the air intake that would otherwise abrade the motor
- Anti Vibe Trigger Handle reduces user fatigue caused by vibration
- Light weight design (12.1 lbs) lessens user fatigue
- Automatic turn-off brushes shut down the tool when brushes need to be changed to avoid tool damage
- Low profile gear case allows for work in tight areas
- 6,500 rpm provides optimal material removal with 9" grinding wheels
- Brush window allows for quick brush replacement
- Quick Change Guard allows user to quickly adjust guard to redirect sparks
- Soft grip trigger handle provides greater comfort and control
- Thick, "S" style cord takes the abuse of the jobsite and shop environments providing durability and long life for the cord set
- 3 position side handle provides improved ergonomics for specific applications



DWE4559N \$223.95 each

2" 2-SPEED MAGNETIC DRILL PRESS

- 10.0 Amp Motor with 2-Speed settings provides optimal performance in a variety of applications
- Overload Protection electronics prevent motor damage and excess accessory wear
- Quick Change Chuck system allows for tool free change between 3/4" Weldon Shank and 1/2" keyed chuck
- Quick Release feed handles provide tool free change of handles to either side of the tool
- Magnetic coolant bottle can be placed on either side of tool or on a work surface to allow for a variety of tool orientations
- 4-3/8" Drill travel offers maximum capacity for heavy duty applications
- Motor height adjustment gives greater range of accessory compatibility



DWE1622K \$899.00 each

1-3/4" SDS MAX COMBINATION HAMMER

- SHOCKS - Active Vibration Control® Reduces vibration felt by the user at the handles. A Perform and Protect feature.
- 8.0 Joules of impact energy provides fast drilling and powerful chipping
- 13.5 Amp high-performance motor provides high performance & overload protection
- Electronic Variable Speed Dial allows the user to control the speed of drilling or chipping while maintaining speed under load
- Rear handle mount increases user comfort in down-drilling applications
- Trigger lock-on reduces user fatigue while chipping. Only available in chipping mode.
- Electronic Soft Start provides the user more control when the trigger is pulled.



D25601K 1-3/4" \$595.90 each

D25501K 1-9/16" \$529.00 each

1/2" (13MM) VSR DRILL

- Helical-cut steel, heat-treated steel gears for long life and durability
- Metal gear housing for jobsite durability and increased reliability
- Two-finger, rubber trigger for increased comfort
- 360° side handle for greater control and versatility



DW235G \$119.00 each

**Call for Promotions. All prices & part numbers subject to change*

1/2" VSR PISTOL GRIP DRILL WITH E-CLUTCH ANTI-LOCK CONTROL

- DEWALT's Perform & Protect™ line of Power Tools is designed to provide a high level of one or more of the following: control, dust containment, or low vibration, without sacrificing performance.
- E-Clutch® System shuts the tool off when a stall is detected, reducing reactionary torque in bind-up situations, a Perform & Protect™ Control Feature
- 10.5 Amp motor delivers increased drilling performance
- Patented DEWALT built motor design generates 50% more power with increased overload protection for added durability
- 0-1200 RPM, variable speed reversing switch for increased versatility
- Soft grip handle and two-finger trigger for increased comfort and greater control
- Metal gear housing for jobsite durability and increased reliability



DWD220 \$159.79 each

1/2" (13MM) IMPACT WRENCH WITH DETENT PIN ANVIL

- 345 ft-lbs of deliverable torque in forward and reverse
- 1/2" detent pin anvil
- AC/DC forward/reverse rocking switch
- Soft grip handle for increased comfort
- Ball bearing construction for increased durability



DW292 \$189.99 each

1/2" (13MM) SPADE HANDLE DRILL

- Variable speed reversible switch reduces air bubbles when mixing mud and offers greater control when drilling
- 0-550 RPM provides increased torque for drilling and mud mixing
- 9.0 AMPS, 120V motor provides enough power for any job site application
- 7.5 lbs. (3.4 kg) increases user productivity and decreases user fatigue
- Soft grip handle for increased comfort
- 2-position rear spade handle and 3-position side handle gives greater control for all drilling and mixing applications



DW130V \$189.79 each

7-1/4" LIGHTWEIGHT CIRCULAR SAW

- Among one of the lightest saws in its class at 8.8 lbs
- 15 amp motor, powerful enough for even the toughest applications
- 57° beveling capacity with stops at 45° and 22.5°
- 2-9/16 " Depth of cut capacity provides additional versatility of applications
- Anti-snap Ball bearing lower guard provides smooth guard operation and long life in harsh environments
- Toughcord provides longer durability against cord pull outs
- Integrated dust blower function cleans the line of sight during cutting
- Durable high grade Aluminum smooth base for accurate cuts
- Clear line of sight aids in blade visibility from any angle
- On-board blade wrench storage allows for easy access to the wrench
- Keyless blade clamp allows for quick blade change without touching blade or reciprocating shaft
- 5.5 Amp motor deliver powerful cuts in the hardest materials
- Variable speed delivers 0 - 3,100 strokes per minute for optimal cutting speed
- 4-position orbital action allows for faster, more aggressive cuts in a variety of materials
- All-metal gear case provides superior durability on a professional site
- Shoe bevels 0° to 45° for beveled cuts



DWE575 \$129.00 each

COMPACT JIG SAW

- Keyless blade clamp allows for quick blade change without touching blade or reciprocating shaft
- 5.5 Amp motor deliver powerful cuts in the hardest materials
- Variable speed delivers 0 - 3,100 strokes per minute for optimal cutting speed
- 4-position orbital action allows for faster, more aggressive cuts in a variety of materials
- All-metal gear case provides superior durability on a professional site
- Shoe bevels 0° to 45° for beveled cuts



DW317K \$115.49 each

**Call for Promotions. All prices & part numbers subject to change*

DEWALT TOOLS



7-1/4" WORM DRIVE CIRCULAR SAW

- 13.8 lbs. Lightweight magnesium construction for optimum user handling, comfort, and strength
- Durable cast magnesium footplate provides a tough and solid cutting platform
- Extra wide saw hook accepts material up to 2-1/2" wide
- TOUGHCORD™ Cord Protection System provides 4X better cord jerk protection
- 53° Bevel capacity for advanced applications
- Bevel detents at 22.5° and 45° for fast and accurate setting to common angles
- Dual rip ports to accept available DWS5100 12" Dual Port Rip Guide
- Top-accessible spindle lock enables easier and faster blade changing



DWS535 \$219.89 each

DEEP CUT BAND SAW KIT

- Industry best 10 amp motor designed with controlled power to withstand any jobsite application
- Industry best 5" deep cut capacity for round or rectangular stock
- Serviceable steel shroud and rubber bumpers allow guards to withstand jobsite abuse without damage
- LED sight light allows the user to see cut line in dark jobsite environment
- Integrated hang hook allows user to hang the saw without damaging front handle or castings
- Variable speed dial allows user to vary speed for specific materials and various applications (100-350 spm)
- Multi-position adjustable large front handle offers the user plenty of hand space for a more accurate cut
- Superior balance and ergonomics allows for more accurate cuts and less user fatigue
- Blade tracking adjustment increases blade life by providing better blade tracking
- Dual bearing blade guide rollers increase durability in the blade support system
- Durable and adjustable material guide allows user to adjust for various jobsite materials
- Ergonomic soft grip back handle provides comfort during use
- Blade changing lever loosens blade tension to allow for blade change
- Externally replaceable brushes allow for quick repairs on the jobsite



DWM120K \$349.99 each

14" CHOP SAW W/ QUIK-CHANGE™ KEYLESS BLADE CHANGE SYSTEM

- Powerful 15.0 Amp/5.5 HP (maximum motor HP) motor provides more overload capacity, increasing performance and durability
- QUIK-CHANGE™ Blade Change System increases productivity by providing the user the ability to change wheels without a wrench
- Exclusive QUIK-FENCE™ tool-free, 45° adjustable fence allows for fast and accurate angle cuts without using a wrench
- Quick-Lock Vise allows for fast clamping on different size materials to increase productivity
- Ergonomically designed "D" handle provides a more comfortable hand position, reducing fatigue and increasing productivity
- Extra wide solid steel base provides increased stability when cutting longer material. The four pre-drilled holes in the base allow easy bolt down to any work bench. The solid steel base also allows user to weld jigs or stops directly to the base.
- Heavy-duty lock down pin allows head of the saw to be locked in the carrying position without the use of a chain
- Heavy-duty compression spring provides smooth movement and greater durability than torsion springs
- Spindle Lock allows user to make wheel changes quickly and easily, saving time and money
- Large cutting capacity (5" round / 4-1/2" x 6-1/2" rectangle) provides the ability to cut a wide variety of materials
- Adjustable spark guard allows user to channel sparks
- Easily accessible brushes allow for convenient servicing on the worksite to minimize downtime



D28715 \$209.90 each

168 PIECE MECHANICS TOOLS SET

- 168 Piece Set.
- Quick Release, 72 Tooth Ratchet for high torque ratcheting.
- Removable Power Tools Accessory case
- Durable anti-slip vinyl bit driver with maximum comfort.
- Knurled Beauty Rings help reduce slippage for hand tightening applications.
- Exceed ANSI.



DWMT73803 \$149.89 each

12.0 AMP CORDED RECIPROCATING SAW

- Powerful 12.0 Amp motor designed for heavy-duty applications
- 4-position blade clamp allows for flush cutting and increased versatility
- Keyless lever-action blade clamp for quick and easy blade changes
- 0-2,900 strokes per minute and 1-1/8" stroke length deliver fast cutting
- Variable speed trigger allows user to instantly control speed at the trigger



DWE305 \$119.79 each

**Call for Promotions. All prices & part numbers subject to change*

WISE-GRIP® ORIGINAL™ STRAIGHT JAW LOCKING PLIERS

- Straight jaws provide maximum contact on flat, square, or hex work
- Ideal for tightening, clamping, twisting and turning
- Turn screw to adjust pressure and fit work. Stays adjusted for repetitive use
- Constructed of high-grade heat-treated alloy steel for maximum toughness and durability
- Classic trigger release designed to provide maximum locking force
- Hardened teeth are designed to grip from any angle



0302L3	7"	.....	\$14.25 each
0102L3	10"	.....	\$14.50 each
0502L3	10" Curved Jaw w/wire cutter	.....	\$14.50 each

WISE-GRIP® ORIGINAL™ LONG NOSE LOCKING PLIERS WITH WIRE CUTTER

- Long, straight nose provides easy access in narrow, hard-to-reach places. Ideal for precision work and hobbies, with convenient wire cutter
- Ideal for tightening, clamping, twisting and turning
- Turn screw to adjust pressure and fit work.
- Constructed of high-grade heat-treated alloy steel for maximum toughness and durability
- Hardened teeth are designed to grip from any angle



1402L3	6"	.....	\$15.00 each
1502L3	9"	.....	\$17.95 each

WISE-GRIP® LONG-REACH PLIERS

- 11" Long Reach BENT Nose Pliers 90 Deg
- Superior long reach design for work in confined areas
- Machined Jaws for maximum gripping strength
- Lifetime guarantee



1773387	LR90	\$24.50 each
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WISE-GRIP® GROOVELOCK PLIERS SETS

- Press and slide button quickly adjusts lower jaw
- Jaw grips on round, flat, square and hex shapes
- More groove positions provide for a better grip
- ProTouch™ Grips provide extra comfort and reduces hand fatigue
- Ratcheting action allows GrooveLock to be adjusted from the open position up to the work piece by pushing the handle up



2078710	3 pc Set GJ10R	.....	\$60.75 each
2078712	8 pc Set	.....	\$129.95 each
2078714	8 pc Mini Pro Set	.....	\$122.95 each

UTILITY SNIPS

- Compound cutting action with textured grips and E-Z close latch
- Great for cutting sheet metal, vinyl, plastic, rubber and many other applications
- Pro-Touch™ Grips provide superior comfort, resists twisting



2073113	Straight Aviation Snips	\$16.95 each
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FLAT CHISEL

For general chiseling and breaking work in brickwork, concrete and loose stone. Fully heat-treated for strength and long life. Forged from superior-grade steel, the working points of Irwin® chisels can be re-sharpened for longevity.



332003	1" x 12", SDS-Max	\$11.95 each
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CARPENTER SQUARE

- Permanent deep stampings for durability

1794450	Aluminum Carpenter Square	\$13.25 each
1794462	Steel Carpenter Square	.....	\$6.25 each

RAFTER SQUARE

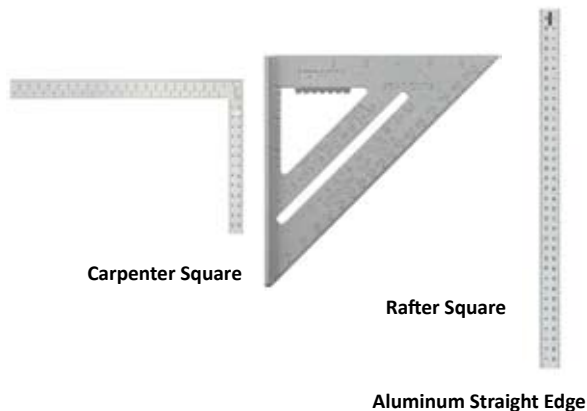
- Permanent deep markings
- Can be used as a protractor, saw guide, and tri & mitre square

1794464	Aluminum Rafter Square	.....	\$10.75 each
1794466	Hi-Vis Rafter Square	.....	\$4.25 each

ALUMINUM STRAIGHT EDGE

- Durable, rust-proof aluminum body
- Thermally bonded graduations with anodized finish
- 36"

1794479	\$9.25 each
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BI-METAL HOLE SAWS

- Variable depth gullets provide more efficient chip clearance
- 4/6 Variable pitch teeth for reduced noise and improved performance
- Electron beam weld for stronger, longer lasting teeth
- Bi-metal construction for toughness and long life



Part Number	Size	Price
373034BX	3/4"	\$5.75
373058BX	5/8"	\$5.75
373078BX	7/8"	\$5.75
373100BX	1"	\$5.95
373112BX	1-1/2"	\$6.50
373114BX	1-1/4"	\$5.95
373118BX	1 1/8"	\$5.95
373134BX	1-3/4"	\$7.95
373138BX	1-3/8"	\$7.95
373200BX	2"	\$7.95
373212BX	2-1/2"	\$10.95
373300BX	3"	\$11.25

**We also stock M.K. Morse Company Hole Saws*

SPEEDBOR® STANDARD LENGTH SPADE BITS

- Blue-Groove point and cutting edge for faster chip removal - 4x faster than standard spade bits
- Double cutting spurs scribe the outside of the hole reducing breakout
- 10% larger shank for added durability
- Grooved hex shank prevents slipping in drill chuck or bit extension
- Fits all standard quick change chucks



Part Number	Size	Diameter	Price
88808	6"	1/2"	\$3.50
88809	6"	9/16"	\$3.75
88810	6"	5/8"	\$3.75
88811A	6"	11/16"	\$3.75
88812	6"	3/4"	\$3.75
88813A	6"	13/16"	\$3.95
88814A	6"	7/8"	\$3.95
88815B	6"	15/16"	\$4.25
88816	6"	1"	\$4.25
88818	6"	1-1/8"	\$5.95
88820	6"	1-1/4"	\$5.95
88222	6"	1-3/8"	\$5.95
88824	6"	3/8"	\$5.95
99924	6"	1-1/2"	\$5.95

SPEEDBOR MAX SPEED BITS 6" STANDARD LENGTH BITS

- Three cutting spurs for faster, cleaner holes, less breakout, and extended drilling life.
- Full screw-point tip allows bit to self-feed for ease of drilling.
- Tapered tri-flute design for faster chip ejection and less binding.
- 1/4" quick-change shank reduces slipping in standard chucks and is compatible with all 1/4" quick-change chucks, including impact drills.

Part Number	Diameter	Flute Length	Shank Size	Price
3041001	1/2"	1-3/4"	1/4"	\$6.95 ea
3041002	2"	2"	1/4"	\$7.95 ea
3041004	3/4"	2-3/8"	1/4"	\$8.50 ea
3041004B (6 Pk)	3/4"	2-3/8"	1/4"	\$47.75 pk
3041005	7/8"	2-5/8"	1/4"	\$8.95 ea
3041007	1"	2-3/4"	1/4"	\$9.95 ea
3041009	1-1/4"	2-7/8"	1/4"	\$11.50 ea
3041009B (6 Pk)	1-1/4"	2-7/8"	1/4"	\$64.50 pk
3041021B (6 Pk)	1-1/2"	2-7/8"	3/8"	\$76.50 pk
3041006	6 Piece Set	1/2", 5/8", 3/4", 7/8", 1-1/4"		\$40.50 ea



29 PIECE DRILL BIT SET

- Oxide treatment resists corrosion, helps prevent bit from rusting
- Turbomax tip starts up to 10x faster
- Flatted shanks above 11/64" eliminates slip page in drill chuck
- Reduced shank above 3/8" allows the use of larger drill bits in a 3/8" chuck
- Rubber overmolded case protects kit
- Tap & Drill selection chart for convenient reference.
- Automatic indexing for easy bit access and identification
- Removable cartridges: easy to carry bits from case to worksite
- Sizes include 1/16" to 1/2" in 1/64" increments



3018005 \$103.05 each

SLOTTED POWER BITS

- Used for common round, oval, and flat head fasteners
- Designed for use in power drill chuck and chuck adapter
- 1/4" Shank Size
- 15/16" Overall Length



93109 6-8 Point Size \$0.89 each
93111 8-10 Point Size..... \$0.89 each
93113 10-12 Point Size..... \$0.89 each

POWER-GRIP™ 7 PIECE SCREW & BOLT EXTRACTOR KIT

- Designed for use with power tools
- 1/4" hex shank fits most power tools
- When you are faced with a rounded-off, rusted-tight or painted-over bolt, bolt extractors will break it free
- Reverse spiral flutes are designed to bite down to provide maximum gripping power
- High carbon steel ensures longer life and greater durability
- Universal lobular design fits all types of fasteners
- Set include bolt extractors to remove bolts sizes: 8mm, 10mm, 11mm, 3/16", 1/4", 5/16", 3/8", 7/16", 1/2" in drive size 1/4" and pastel carry case.



394100 \$39.95 each

SAFETY KNIFE

- Self-retracting spring action returns blade safely into the housing when not in use
- Interlocking nose reduces blade wobble
- Ergonomic grip fits comfortably in the hand
- Two blade positions - 2mm extension for box cutting and full extension for general use
- Tool-free entry
- Includes one Bi-Metal utility blade



2088600 Safety Knife \$7.95 each
2088100 5 Pack Replacement Blades..... \$2.35 pk
2084400 100 Count Replacement Blades..... \$29.50 pk

15" STANDARD COARSE CUT SAW

- M2™ Tooth Technology: patent-pending advanced tooth geometry and Tri-Ground™ teeth provide a fast, efficient cut
- Deep Gullets™ provide rapid removal of chips
- Easy-Start™ Front Teeth: 12pt. Extra-fine front teeth provide a rapid, smooth start
- Thick-Body™ Blade: delivers rigidity and control
- Tapered-Pitch™ nose improves clearance and stability
- Hardwood handle
- 1 mm blade thickness
- Tooth Count: 9 pt.



2011102 \$16.50 each

THE ORIGINAL™ LOCKING CHAIN CLAMP

- Chain holds and locks around any shape or size
- Ideal for awkward shape pieces
- Turn screw to adjust pressure and fit work. Stays adjusted for repetitive use
- Constructed of high-grade heat-treated alloy steel for maximum toughness and durability
- Classic trigger release designed to provide maximum locking force
- Jaw Capacity 18"
- Model 20
- Chain Size 9"



272R \$31.75 each

ORIGINAL™ LOCKING C-CLAMPS

- Wide-opening jaws provide greater versatility in clamping a variety of shapes
- Turn screw to adjust pressure and fit work. Stays adjusted for repetitive use
- Constructed of high-grade heat-treated alloy steel for maximum toughness and durability
- Classic trigger release designed to provide maximum locking force



17-CLAMP/19-CLAMP



20-CLAMP

17-CLAMP 6" w/Regular Tips, 2-1/8" Jaw Capacity.....\$13.50 each
19-CLAMP 11" w/Regular Tips, 4" Jaw Capacity.....\$22.50 each
20-CLAMP 11" w/Swivel Pads, 4" Jaw Capacity\$24.25 each

CUSTOMER NOTES:



2000 BOX BEAM LEVELS

- Continuous Edge increases level durability ensuring accuracy over time, protects center vial, and allows for continuous scribing
- Plumb Site® offers dual-sided, undistorted viewing in the plumb position and easy, more accurate plumb readings
- Retractable end caps allow for scribing into and through corners, increasing work efficiency



1794075	24"	.....	\$47.75 each
1794077	48"	.....	\$64.75 each
1794079	72"	.....	\$85.50 each

2500 BOX BEAM LEVELS

- Thick-walled high-grade aluminum frame provides extreme durability and resists jobsite wear and tear
- Continuous Edge increases level durability ensuring accuracy over time, protects center vial, and allows for continuous scribing
- Plumb Site® offers dual-sided, undistorted viewing in the plumb position and easy, more accurate plumb readings
- Over-molded rubber end caps provide shock-absorption, protecting the level's accuracy upon impact, and are removable for accurate leveling into corners
- Rare earth magnets are 5X stronger than strip magnets and allow for easy, hands-free steel construction work (2550 Series)



1794063	24" – 2500	.....	\$72.95 each
1794064	24" – 2550, Magnetic	.....	\$84.95 each
1794067	48" – 2500	.....	\$109.25 each
1794068	48" – 2550, Magnetic	.....	\$121.50 each
1794069	72" – 2500	.....	\$180.95 each

150T MAGNETIC TOOLBOX LEVEL

- Plumb Site®
- Pitch Vial to easily read slope
- Reinforced aluminum frame for durability



1794158	9"	\$14.75 each
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250 MAGNETIC TORPEDO LEVEL

- Die cast aluminum body provides extreme durability and strength
- 1.5" integrated button for easy 1/4" per foot drainage; button has a slight radius to ensure it sits securely on pipe
- Plumb Site® offers dual-sided, undistorted viewing in the plumb position and easy, more accurate plumb readings
- B-Tank valve key provides the ability to open an acetylene tank valve without stripping
- Rare earth magnets are 5X stronger than strip magnets and allow for easy hands-free steel construction work



1794153	9"	\$28.75 each
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1000 I-BEAM LEVEL

- Rigid aluminum I-Beam construction
- Rotating angle vial



1801094	48"	\$28.95 each
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2500E ELECTRONIC BOX BEAM LEVEL

- Electronic module with back-lit LCD wide-screen display
- Thick-walled high-grade aluminum frame
- Plumb Site®
- Removable end caps
- Continuous edge



1801099	48"	\$191.95 each
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IRWIN CAST ALUMINUM PIPE WRENCHES

- Heavy-duty cast aluminum housing is 40% lighter than cast iron and easier to maneuver
- I-Beam handle and wide design provides better weight distribution
- Drop-forged jaw is heat-treated to resist distortion or breakage
- Easy-spin adjusting nut is heat-treated for durability
- Hammer head design provides a flat surface for hammering
- Features a Lifetime Guarantee



2074112	12"	.....	\$50.95 each
2074114	14"	.....	\$52.50 each
2074118	18"	.....	\$66.50 each
2074124	24"	.....	\$103.25 each
2074136	36"	.....	\$167.25 each

IRWIN CAST IRON PIPE WRENCHES

- Constructed from the highest grade cast iron, forged and heat treated to ensure maximum durability.
- Unique hammer head design provides a flat surface for hammering
- Easy-spin adjusting nut is heat-treated for durability
- Wide I-beam handle design provides better weight distribution
- Drop-forged jaw is heat-treated to resist distortion or breakage
- Hardened teeth provide tremendous bite
- Housing constructed of heavy-duty cast iron



274105	8"	.....	\$21.95 each
274101	10"	.....	\$22.50 each
274106	12"	.....	\$28.75 each
274102	14"	.....	\$29.50 each
274103	18"	.....	\$37.00 each
274104	24"	.....	\$53.25 each
274107	36"	.....	\$109.50 each
274108	48"	.....	\$164.25 each



KLEIN WIRE STRIPPER/CUTTER

- Compact, lightweight wire-stripping and cutting tool.
- Narrow nose fits into tight places.
- Hardened steel with precision ground stripping holes.
- Do not use for cutting steel wire or bolts.
- Spring-loaded action for self-opening.
- Precision-ground stripping holes for easy removal of insulation.
- Easy-to-read wire gauge markings on both sides for stripping in either direction.
- Black-oxide finish resists corrosion.
- Color-coded handles: red indicates stranded wire, yellow indicates solid wire.
- Textured handles provide a firm, comfortable grip.
- Wire looping and bending holes.



- 11045 Strips/Cuts 10 - 18 AWG solid, yellow handle** \$14.95 each
11046 Strips/Cuts 16 - 26 AWG stranded, red handle..... \$14.95 each

KLEIN IRONWORKER'S SIDE-CUTTING PLIERS

- Custom, US-made tool steel.
- Hot-riveted joint ensures smooth action and no handle wobble.
- Induction hardened cutting knives for long life.
- Unique handle tempering helps absorb the "snap" when cutting wire.
- "Handform" handles for full gripping and cutting power.
- Precision-hardened plier head for on-the-job toughness.
- Sure-gripping cross-hatched knurled jaws.
- Plastic-dipped handles for comfort and ease of identification.
- Twists and cuts soft annealed rebar tie wire.
- Hook bend handle.
- Spring-loaded action for self-opening.
- Heavy-duty knurled jaws.
- Combination polished and black-oxide finish.
- 2000 Series - Cuts ACSR, screws, nails and most hardened wire.
- High-leverage design -- Rivet is closer to the cutting edge for 46% greater cutting and gripping power than other plier designs.



Part/Model #	Jaw Length	Jaw Width	Knife Length	Overall Length	Price
D201-7CST – Ironworker’s, Plastic Dipped Handle	1-9/32"	1-5/32"	5/8"	9-1/4"	\$41.95
D2000-7CST Ironworker’s, Heavy Duty	1-9/32"	1-5/32"	5/8"	9-1/4"	\$51.95
D2000-9ST Rebar Work, Heavy Duty	1-19/32"	1-1/4"	25/32"	9-3/8"	\$54.95
D213-9ST Ironworker’s, Plastic Dipped Handle – High Leverage	1-19/32"	1-1/4"	25/32"	9-3/8"	\$39.95
D213-9NE High Leverage	1-19/32"	1-1/4"	25/32"	9-3/8"	\$35.95
D2000-9NE High Leverage, Heavy Duty	1-19/32"	1-1/4"	25/32"	9-3/8"	\$45.95

KLEIN HIGH-LEVERAGE DIAGONAL-CUTTING PLIERS

- Custom US-made tool steel.
- Induction hardened cutting knives for long life.
- Hot-riveted joint ensures smooth action and no handle wobble.
- Short jaws and beveled cutting edges permit close cutting of wire.
- Plastic-dipped handles for comfort and ease of identification.
- High-leverage design. Rivet is closer to the cutting edge for 36% greater cutting power than other plier designs.
- Heavy-duty cutting knives.
- Cuts ACSR, screws, nails and most hardened wire.
- Combination polished and black-oxide finish.
- Angled head design for easy work in confined spaces.



D228-8 & D248-8

Model Number	Jaw Length	Jaw Width	Jaw Thickness	Overall Length	Price
D228-8	13/16"	1-3/16"	7/16"	8 1/16"	\$26.95
D248-8	13/16"	1-3/16"	7/16"	8 1/16"	\$27.95

KLEIN CRIMPING/CUTTING TOOL — NON-INSULATED/INSULATED CONNECTORS

- Accommodates wire from No. 10 to 22 AWG.
- Specially hardened wire cutter in nose.
- Tapered nose design for working in confined spaces.
- Crimping die marked for insulated and non-insulated solderless terminals and connectors.
- Plastic-dipped, cushioned handles for comfort.
- Hot-riveted joint for smooth action and no handle wobble.



1005 \$32.95 each

KLEIN 7-PIECE CUSHION-GRIP SCREWDRIVER SET

- General-purpose selection of the most frequently used screwdrivers.
- Includes: three cabinet-tip, two Phillips-tip and two keystone-tip styles.



85076 \$65.50 each

ALL-PURPOSE PLIERS

- Strips and cuts 8-16 AWG solid and 10-18 AWG stranded wire.
- Long nose for extended reach, grabbing and looping wire.
- 6-32 and 8-32 screw shearing.
- Induction-hardened cutting knives for hard wire.
- Hot-riveted joint ensures smooth action with no handle wobble.
- Forged steel for maximum durability.
- Spring-loaded for self-opening action.
- Dual material Journeyman handles provide better grip.



J2068C \$44.95 each

LONG-NOSE PLIERS, SIDE-CUTTING

- Induction hardened cutting knives for long life.
- Knurled jaws for sure wrapping and looping.
- Slim head design for working in confined areas.
- Hot-riveted joint ensures smooth action and no handle wobble.
- Curved handles provide greater tool control.
- Plastic-dipped handles for comfort and ease of identification.
- Custom, US-made tool steel.



D203-6 6" \$22.50 each

HEAVY-DUTY LONG-NOSE PLIERS - SIDE-CUTTING & WIRE STRIPPING

- Cleanly strips 12 AWG wire.
- Heavier design for greater cutting power.
- Extended handles provide added reach and leverage.
- Slim head design for working in confined areas.
- Induction hardened cutting knives for long life.
- Hot-riveted joint ensures smooth action and no handle wobble.
- Plastic-dipped handles for comfort and ease of identification.
- Custom, US-made tool steel.



D203-8N 8" \$33.95 each

DEPTHFINDER - STEEL FISH TAPE

- High strength spring steel fish tapes are stiff for long runs and are great for heavy duty wire pulls.
- Laser etched markings in 1' (0.3 m) increments allow you to accurately measure depth of conduit runs & determine amount of tape left to pay out.
- Polypropylene case and handle offer the maximum in impact resistance.
- Raised fingergrrips transfer 100% of the winding power from your hand and fingers.
- Full grip style handle gives you a firm, steady grip as you pull tape from the case.
- Unique sloped handle optimizes hand position for quick hand-over-hand rewinds.
- The 13" (330 mm) case diameter means you can reel in 15% more tape in a single revolution than 12" (305 mm) tapes
- Patents: D574,277; 8,212,178; 8,168,921; 8,164,025. Other patents pending.



56003 1/8" x 125' \$59.95 each

CONSTANT SWING TUBE CUTTER

- Features an enclosed feed screw to eliminate clogging and jamming, grooved rollers for close-to-flare cuts, and a fold-away reamer.
- X-CEL Knob – cut tubing more quickly and easily with our larger, more ergonomic designs.
- X-CEL Wheel Pin – change your cutter wheel quickly using our new ball detent design... no tool needed...no lost clips!
- Spare cutter wheel included in the knob.
- Made from high-strength zinc alloy.
- Cuts copper, brass, and aluminum tubing and thin-wall conduit.



RID31622 Std Wheel E3469, 1/8" to 1-1/8" Capacity\$28.50 each

SCREW FEED TUBING CUTTER

- Clean, square cuts are easily made on copper, brass, aluminum and thin-wall steel.
- X-CEL Knob – cut tubing more quickly and easily with our larger, more ergonomic designs.
- Features a convenient fold-away reamer.



RID32910 Std Wheel F-158, 1/8" to 1"\$34.95 each

TOP SCREW BENCH CHAIN VISES

- Crank handle is anchored to base.
- Rugged cast-iron base has handy pipe rest and bender. Capacities of 1/8" through 8".
- Two models available for plastic pipe. Toothless jaws are neoprene-coated to prevent scoring of pipe.



Part Number	Model Number	Pipe Capacity	Price
RID40195	BC410	1/8" to 4"	\$243.95
RID40210	BC610	1/4" to 6"	\$396.85

PORTABLE TRISTAND® CHAIN VISE

Each TRISTAND® pipe vise features integral folding legs for easy transport and setup, tool hangers and a base which overhangs the front legs for clear tool swing. Optimized base layout to maximize working area, convenient lug to clamp the weld ground, rugged leg chain for the tough demands and a durable tool tray.

Part Number	Model Number	Pipe Capacity	Price
RID36273	460-6	1/8" to 6"	\$468.75



HAND USE PIPE TAPS

- Made from carbon steel in right hand configuration only.
- These taps are especially suited for restricted area work.
- All taps have taper of 3/4" per foot.
- Marked with drill size for pilot hole

Part #	Model #	Description	Drill Size	Nominal Pipe Size	Thread	Price
RID35820	E-5113	1/4" Pipe Tap – NPT	2-1/64"	1/8"	27-27	\$16.25
RID35830	E-5115	1/4" Pipe Tap – NPT	45/64"	1/2"	14-14	\$27.75
RID35835	E-5116	3/4" Pipe Tap – NPT	29/32"	3/4"	14-14	\$39.75
RID35840	E-5117	1" Pipe Tap – NPT	1-31/64"	1-1/4"	11-1/2-11-1/2	\$59.75
RID35855	E-5120	2" Pipe Tap – NPT	2-13/64"	2"	11-1/2-11-1/2	\$189.95



PIPE AND TUBING CUTTER WHEELS

Part Number	Model Number	Price
RID44185	E-1032	\$21.40
RID33105	F-3	\$11.90
RID33125	F-229	\$19.95
RID33145	F-367	\$21.50
RID33100	F-515	\$9.85
RID33120	F-515	\$15.65
RID33190	E-4546	\$8.65
RID41317	E-3469	\$12.75



TUBING BENDERS

- Designed for bending annealed copper, steel and stainless with a wall thickness less than or equal to 0.06" (1.5 mm) to a maximum of 180°.
- Offset cushion grip handles for comfort when forming 180° bends. A 90° start angle and unique oil-absorbing shoe minimize bending effort while forming accurate bends.



Part Number	Model Number	Tube Size (actual O.D.)	Bend Radius	Price
RID36097	406	3/8"	15/16"	\$89.95
RID36122	404	1/4"	5/8"	\$74.95
RID36132	408	1/2"	1-1/2"	\$135.75

RIDGID TOOLS

EXPOSED RATCHET THREADER SET

Includes Die Heads, Ratchet Assembly, Ratchet Handle and Alloy Dies. Uses the same 12-R Dies in Die Head. Includes carrying case. NPT, Model 12-R



RID36475 Pipe Capacity 1/2" to 2"\$768.50 each

NO. 65R-C MANUAL RECEDING THREADER

- Threads 1"-2" pipe.
- Jam-proof drive pawl.
- Cam workholder sets instantly.
- Right-hand only.
- Model 65R-C
- NPT w/1 set High-Speed Dies



RID36565 Threads 1" to 2" Pipe.....\$895.95 each

RECEDING GEARED THREADER

- Jaw clutch prevents jamming.
- Simple adjustment for tapered or straight threads.
- Cam-type workholder sets instantly.
- Fully enclosed gearing.
- Right-hand only.
- Model 141
- NPT with 1 Set High-Speed Dies



RID36620 Threads 2-1/2" to 4" Pipe.....\$2,767.00 each

NO. 65R-TC MANUAL RECEDING THREADER

- Threads 1"-2" pipe.
- True centering workholder.
- Jam-proof.
- Right-hand only
- Model 65R-TC
- NPT w/1 Set High-Speed Dies



RID36570 Threads 1" to 2" Pipe.....\$1,167.00 each

MODEL 700 POWER DRIVE

- Heavy-duty hand-held power drive
- Designed for RIDGID No. 12-R die heads. Other RIDGID die heads (OO-R, OO-RB, 11-R) using adapters. Also used with 258/258XL pipe cutters
- Weight: 25 lbs
- Double-throw reversible switch
- Spur gear reduction face gear drive. Spring-loaded adapter pawls. Hardened steel spindle gear.
- Cast aluminum body
- 12-R Die Heads



RID41935 26-30 RPM, 115v, 1/2 HP\$1,727.50 each

CAST-ALUMINUM PIPE WRENCHES



RID31090	10"	.....	\$44.75 each
RID47057	12"	.....	\$53.95 each
RID31095	14"	.....	\$59.95 each
RID31100	18"	.....	\$75.50 each
RID31105	24"	.....	\$120.50 each
RID31110	36"	.....	\$215.25 each
RID31115	48"	.....	\$421.95 each

HEAVY-DUTY PIPE CUTTERS

- Swirl flame provides a hotter, more efficient fast, clean pipe cutting by hand or power.
- Extra-long shank protects adjustment threads, while an extra-large handle is provided for quick, easy adjustment.
- Can be converted to 3-wheel cutter by replacing rollers with cutter wheel, or the 2A and 4S can be ordered as 3-wheel model for use in areas where a complete turn is not possible.
- Second handle on 3-S, 4-S and 6-S makes two-man leverage possible on large pipe sizes.



RID32820 - 2A HD	1/8" - 2"	.....	\$195.95 each
RID32830 - 3S HD	1" - 3"	.....	\$274.95 each
RID32840 - 4S HD	2" - 4"	.....	\$420.00 each
RID32850 - 6S HD	4" - 6"	.....	\$589.95 each

CAST-IRON PIPE WRENCHES



RID31010	10"	.....	\$28.95 each
RID31015	12"	.....	\$33.25 each
RID31020	14"	.....	\$36.95 each
RID31025	18"	.....	\$53.75 each
RID31030	24"	.....	\$84.95 each
RID31035	36"	.....	\$182.50 each
RID31040	48"	.....	\$280.50 each
RID31045	60"	.....	\$416.75 each

**Only the most popular selections are shown. Full line of Ridgid available. Call for details.*

11-PIECE FATMAX® SCREWDRIVER SET

- Ergonomically designed tri-lobe handle provides maximum tip torque
- Durable bi-material handle with comfort grip
- Rugged handle resists job site environment and heavy-duty use
- Magnetic tips for secure grip on fasteners



Includes:

- Standard: 1/4" Stubby, 1/4" x 4", 5/16" x 6"
- Cabinet: 1/8" x 3", 3/16" x 3"
- Phillips®: 0pt x 2-3/8", 2pt Stubby, 1pt x 3", 2pt x 4", 3pt x 6"
- Hybrid Offset: 1/4" Slotted, 2pt Phillips®

STAN62.502 \$31.50 each

6-PIECE VINYL GRIP SCREWDRIVER SET

- Vinyl grip handle for comfort
- Durable alloy steel blade
- Precision-formed tips for a secure fit
- Chrome-plated bars for corrosion resistance
- Black oxide tips for use in electrical applications



Includes:

- Standard: 1/4" x 4", 5/16" x 6"
- Cabinet: 3/16" x 3", 3/16" x 6"
- Phillips®: 1pt x 3", 2pt x 4"

STAN66-565 \$29.95 each

201 PIECE MECHANICS TOOL SET

- Chrome Vanadium Forged Body for torque, strength, and durability
- Full Polish Chrome Finish for anti-corrosion protection
- Quick Release allows user to remove extensions or sockets with one hand
- Meets or Exceeds ANSI specifications
- Tough and Durable Carry Case for easy storage and mobility
- Lifetime Warranty



STMT71654 \$87.50 each

3-3/32" HIGH VISIBILITY PLASTIC LINE LEVEL

- Special hooks allow level to slide freely
- Flat bottom for surface leveling
- High visibility tinted liquid provides clear readings



42-193 \$1.75 each

25' X 1" POWERLOCK® TAPE RULE

- 7' blade standout
- Mylar® polyester film extends life of entire blade
- Chrome high-impact ABS case is job site tough
- Secure blade lock won't creep during measurements
- 16" and 19.2" stud center markings simplify framing jobs
- Corrosion-resistant Tru-zero end hook for accurate measurements



STAN33-425 25' x 1" Tape \$14.95 each

FATMAX® TAPE RULE

- 11' blade standout
- 1-1/4" wide blade for easy readability
- BladeArmor™ coating on the first 4-1/2" maximizes durability of the blade
- Mylar® polyester film extends life of entire blade
- High-impact ABS case with durable rubber-holds up to heavy use
- Top-forward blade lock makes locking and unlocking easy
- 16" and 19.2" stud center markings simplify framing jobs
- Cushion grip provides comfortable, slip-resistant hold
- Specially designed multi-catch hook grabs on top or bottom for versatility
- Three-rivet, corrosion-resistant Tru-zero end hook for accurate measurements



STAN33-725 25' X 1-1/4" Tape \$30.50 each

STAN33-735 35' X 1-1/4" Tape \$36.95 each

6" CLASSIC 99® RETRACTABLE UTILITY KNIFE

- Interlocking nose to hold blade securely
- Three-position retractable blade
- Blade storage in handle



10-099 Utility Knife \$5.95 each

11-921A Replacement Blades, Pack of 100 \$20.95 each

4-1/4" POCKET KNIFE WITH ROTATING BLADE

- Powder-coated, epoxy handle
- Safety blade lock
- Replaceable stainless-steel blade
- Blade folds into handle for safe storage



STA10-049 \$8.95 each

6" SHARPTOOTH™ SAW

- Aggressive Multi-Purpose Saw with induction hardened teeth
- Fast Cuts with push & pull strokes
- Contoured, Sturdy Handle is designed for comfort & control
- Handle Offers Square/Mitre Feature with 45° and 90° angles



15-726 \$9.95 each

URREA PROFESSIONAL TOOLS

STANDARD COMBINATION WRENCHES - 12 Point

Model Number	Opening	Length	Price
1212URR	3/8"	6"	\$6.50
1214	1/2"	8"	\$6.95
1216A	1/2"	7"	\$6.75
1218	9/16"	7-1/2"	\$7.75
1220A	5/8"	8-1/8"	\$8.25
1224	3/4"	9-3/3"	\$10.95
1228	7/8"	11-1/2"	\$15.50
1230-A	15/16"	12-3/8"	\$16.50
1232	1"	13-1/4"	\$20.50
1234A	1-1/16"	14-1/8"	\$22.95
1236	1-1/8"	15-3/8"	\$27.95
1240	1-1/4"	16-3/4"	\$33.50
1242	1-5/16"	17-5/8"	\$49.50
1244	1-3/8"	18-1/2"	\$52.50
1246	1-7/16"	19-3/8"	\$63.50
1248	1-1/2"	20-1/4"	\$66.50
1250A	1-9/16"	23"	\$63.50
1252	1-5/8"	23"	\$76.50
1254	1-11/16"	23"	\$80.50
1256	1-3/4"	25"	\$92.95
1258	1-13/16"	25"	\$97.95
1260	1-7/8"	28"	\$121.25
1264	2"	28"	\$125.50
1274	2-5/16"	30-1/2"	\$271.50
1276	2-3/8"	30-1/2"	\$274.95
1278	2-7/16"	30-1/2"	\$303.50
1280	2-1/2"	30-1/2"	\$311.25



15 PIECE STANDARD COMBINATION WRENCH SET (Includes the following items)

Model	Opening	Length
1210	5/16"	5-1/2"
1212-URR	3/8"	6"
1214	7/16"	6-1/2"
1216	1/2"	7"
1218	9/16"	7-1/2"
1220A	5/8"	8-1/16"
1222	11/16"	8-7/8"
1224	3/4"	9-3/4"
1226	13/16"	10-5/8"
1228	7/8"	11-1/2"
1230	15/16"	12-3/8"
1232	1"	13-1/4"
1234	11/16"	14-1/8"
1236	1 18/16"	15-3/8"
1240	1-1/4"	16-3/4"
E104	Pouch	



1200F \$208.25 each

7 PIECE STANDARD COMBINATION WRENCH SET (Includes the following items)



Model Number	Opening	Length
1212URR	3/8"	6"
1214	7/16"	6-1/2"
1216	1/2"	7"
1218	9/16"	7-1/2"
1220A	5/8"	8-1/16"
1222	11/16"	8-7/8"
1224	3/4"	9-3/4"
E104	Pouch	

1200H 7 pc Set \$55.95 each

***OTHER BRANDS AVAILABLE: ARMSTRONG, WRIGHT, ETC. PLEASE CALL FOR DETAILS.**

12-POINT FRACTIONAL BLACK OFFSET STRIKING WRENCHES

Model Number	Opening	Length	Price
2616SW	1"	8-1/2"	\$32.50
2617SW	1-1/16"	8-1/2"	\$34.50
2618SW	1-1/8"	8-1/2"	\$36.50
2619SW	1-3/16"	10-3/4"	\$39.95
2620SW	1-1/4"	10-3/4"	\$39.95
2622SW	1-3/8"	10-3/4"	\$44.95
2623SW	1-7/16"	12"	\$47.95
2624SW	1-1/2"	12"	\$49.75
2626SW	1-5/8"	12-1/4"	\$57.95
2627SW	1-11/16"	12-1/4"	\$62.95
2628SW	1-1/4"	13-7/16"	\$65.50
2629SW	1-13/16"	13-7/16"	\$67.25
2630SW	1-7/8"	13-7/16"	\$70.95
2632SW	2"	13-7/16"	\$84.75
2635SW	2-3/16"	13-1/2"	\$115.95
2636SW	2-1/4"	13-1/2"	\$118.95
2638SW	2-3/8"	14"	\$120.95
2641SW	2-9/16"	15-1/4"	\$145.95
2644SW	2-3/4"	15-1/4"	\$185.50
2647SW	2-15/16"	16-1/2"	\$187.50



FORGED DEEP THROAT C-CLAMPS

- 406-C 0" to 6".....\$31.50 each
- 408-C 0" to 8".....\$44.75 each
- 412-C 0" to 12".....\$85.50 each



5 PIECE SPIRAL SCREW BOLT EXTRACTOR SET

- For 1/8" to 3/4" Screws
- Vinyl Pouch



9500B..... \$15.95 each

5 PIECE STRAIGHT PIPE EXTRACTORS SET

- 1/8" to 3/8"
- Vinyl Pouch



9500A..... \$24.95 each

ALIGNMENT BARS

Useful tool for prying, aligning and positioning mechanical parts or pipe flange

- 2124B 3/4" Between Hexagon Surfaces – 20" Length\$29.95 each
- 2125B 7/8" Between Hexagon Surfaces – 30" Length\$47.95 each



***Full line of URREA Professional Tools Available
Call for more information**

URREA PROFESSIONAL TOOLS

SOCKETS

12-POINT DEEP HAND SOCKETS

In fractional sizes with accessories – 1/2" Drive

5300A



5400PB

- 5300A 15 Piece Set -- Sizes 1/2" to 1 1/8", Metal Box.....\$199.95 each
 5400PB 20 Piece Set -- Sizes 3/8" to 1-1/4", Blow Molded Case.....\$141.95 each

IMPACT SOCKET SET ON RAIL AND CLIPS

1/2" Drive – Fractional Sizes

- 74103 12-Point, 13 Piece -- Sizes 3/8" to 1-1/8", Cardboard Box.....\$107.50 each



3/4" DEEP IMPACT SOCKETS – 6 POINT

Part Number	Size	Price
7520L	1-1/4"	\$27.50
7525L	1-9/16	\$35.00
7526L	1-5/8"	\$36.95
7527L	1-11/16"	\$37.25
7528L	1-3/4"	\$38.95
7529L	1-13/16"	\$41.75
7530L	1-7/8"	\$46.75
7531L	1-15/16"	\$48.95
7532L	2"	\$49.95



RATCHETS

CHROME REVERSIBLE RATCHETS

5449	10-1/8" – 1/2" Drive	\$32.25
5450	16" Long-Handle – 1/2" Drive	\$43.50
5649	20" – 3/4" Drive, Pear-Head	\$88.25



5449



5450



5649

WRENCHES

TORQUE WRENCHES

60143	24" – 1/2" Drive, 50-250 FT/LB Torque	\$305.75
6020 URREA	42-1/4" – 3/4" Drive, 100-600 FT/LB Torque	\$748.95

SPUD WRENCHES

712SC	16" Long – Adjustable	\$47.75
C909	1-7/16" Opening, Open-End Structural	\$59.95
5449 14BL	14" – 1/2" Drive, Structural	\$44.95

BOX END WRENCHES

1155A	1-1/4" X 1-5/16"	\$44.95
1162	1-7/16" X 1-1/2"	\$66.50



60143



C909



5449 14BL



1155A/1162

5 PIECE CHISEL SET IN CASE

- 5/16" (9.5mm), 7/16" (12.7mm), 1/2" (15.8mm), 5/8" (19.0mm), 3/4" x 8" (22.2mm)

- 86A\$21.50 each



1/2" DRIVE EXTENSIONS

5461	5"	\$7.95
5463	10"	\$11.95

BREAKOVER BARS



5467	15-3/4" – 1/2" Drive	\$32.95
5668	20" – 3/4" Drive	\$63.75

7 PIECE DRIVE PIN PUNCH SET

- 47A\$33.50 each



7 PIECE DRIFT PUNCH SET

- 96A\$68.25 each



UNIVERSAL JOINTS - SWIVELS

7470P	1/2" Drive	\$25.95
7570	3/4" Drive	\$69.75



*Only the most popular sizes are listed. Please call for pricing on any sizes/configurations not shown here.

SANDING

NON-WOVEN FLAP DISK

High performance non-woven material for long disc life



DAAH7GVF05 4-1/2" x 5/8"-11, Fine Grit \$17.95 each

QUICK CHANGE SANDING DISCS - HIGH PERFORMANCE

High performance aluminum oxide or Non-Woven material for long disc life. QDC mounting is the fastest method for changing discs.



DALD1C081A 2" 80g HP QDC, Aluminum Oxide..... \$1.95 each
DALN1C081A 2" 80g HP QRC, Aluminum Oxide \$1.95 each
DALN1E0850 3" 80g HP QRC, Aluminum Oxide \$2.25 each
DALN7CMD25 2" Medium HP, Nonwoven QDC..... \$2.95 each

FLAP DISCS - EXTENDED PERFORMANCE

- Extended Performance flap design lasts 2.5x's longer than standard flap discs
- Premium zirconia cloth provides aggressive grinding action 40% faster than standard flap discs
- Proprietary design provides removal rate of a grinding wheel with finish of a fiber resin disc



DW8250 4-1/2" x 7/8" 40g \$6.95 each
DW8251 4-1/2" x 7/8" 60g..... \$6.95 each
DW8252 4-1/2" x 7/8" 80g..... \$6.95 each
DW8254 4-1/2" x 5/8"-11 40g..... \$8.25 each
DW8255 4-1/2" x 5/8"-11 60g..... \$8.25 each
DW8256 4-1/2" x 5/8"-11 80g..... \$8.25 each
DW8258 5" x 7/8" 40g \$8.25 each
DW8259 5" x 7/8" 60g \$8.25 each
DW8270 7" x 5/8"-11 40g \$16.95 each

TYPE 29 FLAP DISCS - HIGH PERFORMANCE

- Zirconia grit enables 3X faster material removal than fiber resin metal sanding discs
- Premium abrasive cloth provides up to 15 X longer life than fiber resin metal sanding discs
- Type 29 fiberglass backing provides grinding angle of 20-25 degrees



DW8311 4-1/2" x 5/8"-11 40g.....\$7.25 each
DW8312 4-1/2" x 5/8"-11 60g\$5.50 each
DW8313 4-1/2" x 5/8"-11 80g.....\$6.50 each

TYPE 29 FLAP DISC - ZIRCONIA T29 CONTAMINANT-FREE

- Zirconia grit enables 3X faster material removal than fiber resin metal sanding discs
- Premium abrasive cloth provides up to 15 X longer life than fiber resin metal sanding discs
- Type 29 fiberglass backing provides grinding angle of 20-25 degrees



DWA8207H 4" x 5/8" 60 Grit\$4.95 each

TYPE 27 FLAP DISC - HIGH PERFORMANCE

- Zirconia grit enables 3X faster material removal than fiber resin metal sanding discs
- Premium abrasive cloth provides up to 15 X longer life than fiber resin metal sanding discs
- Type 27 fiberglass backing provides grinding angle of 5-15 degrees



DW8378 7" x 5/8"-11 80g type 27 HP flap disc..... \$9.95 each

NON-WOVEN HAND PAD

High performance non-woven material for long life. Flexible material easily conforms to surface.

DAXU7AFN10 6" x 9", Fine \$10.25 each

CUTTING

TYPE 1 FLAT WHEELS - HIGH PERFORMANCE FOR METAL AND STAINLESS CUTTING

- Proprietary aluminum oxide grain combination for aggressive cutting action and long life
- 2 full sheets of fiberglass for durability and safety

DW8062-DW8726



Part #	Size	Description	Price
DW3511	7" x 1/8" x 5/8"	Diamond knockout arbor for use with worm drive saws	\$3.25
DW8062	4-1/2" x .045" x 7/8"	Thin .045" wheel design for fast burr free cutting	\$1.95
DW8063	5" x .045" x 7/8"	Thin .045" wheel design for fast burr free cutting	\$2.25
DW8725	6" x .040" x 7/8"	Thin .045" wheel design for fast burr free cutting	\$1.95
DW8726	6" x .045" x 7/8"	Thin .045" wheel design for fast burr free cutting	\$1.95



DW3511



DEWALT ABRASIVES

TYPE 1 FLAT WHEELS: HIGH SPEED GAS SAW CUTOFF WHEELS

- Softer Formulation For Faster Cutting
- High grain concentration for aggressive cutting action and smoother running wheels
- 2 full sheets of thicker fiberglass to withstand extreme applications and hold up to high speeds



DWA8030	14" x 1/8" x 1"	.....\$6.50 each
DWA8031	14" x 1/8" x 20mm	.....\$6.50 each

DIAMOND EDGE CHOP SAW BLADE

- Diamond Edge provides 100x the life vs standard DEWALT chop saw wheel
- Advanced Brazing Technology cuts metal with the speed of a conventional abrasive blade
- Steel Blade Core provides constant cutting depth, capacity and stability of a solid core
- Exposed Diamond Matrix allows the blade to cut concrete, plastic, fiberglass, rubber, non-ferrous metals and other soft materials without loading



DW8500	14" x 1"\$199.00 each
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GRINDING

TYPE 27 - DEPRESSED CENTER GRINDING WHEELS

- Bonded Abrasives
- Thin .045" wheel design for fast burr free cutting
- Specially treated grain combination for aggressive cutting action
- Proprietary material mix ensures durable long life wheels
- 2 full sheets of fiberglass for durability and safety



DW4514	4-1/2" x 1/4" x 7/8", High Performance Metal	.....\$2.95 each
DW4523	4-1/2" x 1/4" x 5/8"-11, High Performance Metal	.....\$3.50 each
DW4542	4-1/2" x 1/4" x 5/8"-11 Fast Cutting Abrasive	.....\$3.50 each
DW4623	5" x 1/4" x 5/8"-11, High Performance Metal	.....\$4.95 each
DW4624	6" x 1/4" x 7/8", High Performance Metal	.....\$4.95 each
DW4626	6" x 1/4" x 5/8"-11, High Performance Metal	.....\$5.95 each
DW4954	9" x 1/4" x 5/8"-11, High Performance Metal	.....\$7.50 each
DW4999	7" x 1/4" x 5/8"-11, High Performance Metal	.....\$5.95 each
DW8407	7" x 1/4" x 5/8"-11, Aluminum	.....\$9.95 each
DWA8907	4-1/2" x 1/8" x 5/8"-11 Ceramic Abrasive	.....\$9.50 each
DWA8909	4-1/2" x 1/4" x 5/8"-11 Ceramic Abrasive	.....\$9.95 each
DWA8912	5" x 1/8" x 7/8" Ceramic Abrasive	.....\$9.50 each
DWA8914	5" x 1/4" x 7/8" Ceramic Abrasive	.....\$10.25 each
DWA8921	6" x 1/4" x 5/8"-11 Ceramic Abrasive	.....\$12.95 each
DWA8924	7" x 1/8" x 7/8" Ceramic Abrasive	.....\$11.25 each
DWA8927	7" x 1/4" x 5/8"-11 Ceramic Abrasive	.....\$15.25 each
DWA8933	9" X 1/4" X 5/8"-11 Ceramic Abrasive	.....\$19.95 each

DIAMONDS CUP GRINDING WHEELS - EXTENDED PERFORMANCE

- High Diamond concentration for long life and aggressive material removal
- Large Grinding segments with heat treated steel bodies which provides increased durability and wheel life
- Double row diamond cup grinding wheel



DW4773	7"	.....\$75.50 each
DW4774	4-1/2"	.....\$49.95 each

WIRE BRUSHES

STRINGER WIRE WHEEL BRUSHES - HIGH PERFORMANCE

- High tensile, heat treated carbon or stainless steel wire provides long lasting aggressive brushing action
- Internal holding plate construction provides reduced knot movement and increased control and brush life



DW49202B	6" x 5/8"-11 HP .020 CS	.....\$17.50 each
DW49204B	4" x 5/8"-11 HP .020 SS	.....\$13.95 each
DW4925B	4" x 5/8"-11 HP .020 CS	.....\$8.50 each

CUP BRUSHES - HIGH PERFORMANCE

- Constructed with internal holding plate to ensure consistency and safety
- Wire is 100% inspected to meet demanding quality specifications
- Carbon Steel



DW4910	3" x 5/8"-11 HP .020 CS	.....\$12.75 each
DW4916	4" x 5/8"-11 HP .020 CS	.....\$19.50 each
DW4917	6" x 5/8"-11 HP .020 CS	.....\$41.50 each
DW49159	6" x 5/8"-11 HP .025 CS	.....\$41.95 each



ABRASIVES

TOOLS

PFERD KNOT WHEEL BRUSHES – STRINGER BEAD TWIST

Stringer bead knot wheel brushes are tightly twisted for low flex, high impact brushing action. Designed for root and hot pass weld cleaning in pipe joining applications. Also for general use where a narrow face, aggressive brush is desired for controlled, confined surface contact area.



Part #	Dia.	Arbor Hole / Thread	Wire Size	# of Knots	Face Width	Max RPM	Price
ADV82186	4"	5/8-11	.020 CS	32	3/16	20,000	\$11.25
ADV82479	4-7/8"	5/8-11	.020 CS	38	3/16	15,000	\$16.75
ADV82488	6"	5/8-11	.020 CS	56	3/16	12,500	\$19.75
ADV82611	6"	5/8-11	.020 SS	40	3/16	12,500	\$35.95
ADV82604	4-7/8"	5/8-11	.020 SS	38	3/16	15,000	\$34.95

PFERD KNOT CUP BRUSHES

For use on large surfaces where a great deal of roughing is required. Good for corners and angles, and removal of contaminants such as scale, concrete, slag, and marine growth.

- External Nut
- Single Row
- Standard Twist
- Carbon Steel Wire



Part #	Diameter	Thread Size	Wire Size	Trim Length	Max RPM	Price
ADV82231	3-1/2"	5/8-11	.020	7/8	12,500	\$24.50
ADV82219	2-3/4"	5/8-11	.014	7/8	14,000	\$20.25
ADV82329	2-3/4"	5/8-11	.014	7/8	14,000	\$29.95

DIAMOND STANDARD GOLD SEGMENTED SMALL DIAMETER BLADES

- Very good quality & good life
- For use on electric circular saws and right angle grinders
- General Purpose – For hard materials and concrete



11347 4.5" x 7/8"\$29.95 each

DIAMOND STAR BLUE TUCK POINT BLADES

- For use on electric circular saws and right angle grinders
- General purpose tuck pointing in mortar joints



74967 4.5" x 1/4"\$37.95 each

DIAMOND STANDARD GOLD HIGH SPEED BLADES

- Better quality diamond & better cutting value
- Diamond depth of .394"
- Segment height of .472"
- For use on high speed, masonry and low HP walk behind saws
- General Purpose -- For hard materials and concrete



57720 14" x 1/8"\$159.75 each

DIAMOND STAR BLUE HIGH SPEED BLADES

- For use on high speed, masonry and low HP walk behind saws
- Good quality diamond and good cutting value
- Diamond depth of .394"
- Segment height of .472"



85261 14" x 1/8"\$101.50 each

DIAMOND STAR BLUE DOUBLE ROW CUP GRINDERS

- Good quality diamond and good grinding value
- For use on right angle grinders



70387 4.5"\$60.75 each

DIAMOND 11 STAR BLUE TURBO CUP GRINDER

- General grinding and removal
- Spiral turbo for a fast grind
- Try the ring style for a smoother finish



90193 7" x 5/8"\$68.50 each

DIAMOND IMPERIAL PURPLE HIGH SPEED BLADE

- Better quality diamond and very good cutting life
- Diamond depth of .354"
- Segment height of .433"
- H8I - General purpose - very good life
- H10I - Asphalt, green concrete, brick and block - very good life



78976 14" x .125"\$225.75 each

**Full Line of Diamond Blades, Grinding Products and Machines offered from Diamond Products. Call for details.*

PFERD ABRASIVES

A-11 MOUNT POINTS



Part #	Shape/Form	Diameter x Length (In)	Shank Diameter	Grit	Max RPM	Price
Vitrified Bond - Silicon Carbide, Hardness Grade R - A Shape						
PFD31061	A-11	7/8-2	1/4	30	24,240	\$3.25
Resin Bond - Aluminum Oxide, Hardness Grade N - A Shape						
PFD35113	A-11	7/8-2	1/4	30	25,420	\$4.50
PFD35115	A-12	11/16-1 1/4	1/4	30	38,050	\$4.50

PFERD MOUNTED FLAP WHEELS

1/4" Shank - Aluminum Oxide A. Flap wheels with 1/4" shank and aluminum oxide A grain are universally suitable for all materials.



Part #	Diameter (in)	Length	Shank Diameter	Grit	Max RPM	Price
PFD45184	1	1	1/4	60	25,000	\$5.50
PFD45185	1	1	1/4	80	25,000	\$5.50
PFD45232	1-1/2	1	1/4	60	23,000	\$4.75
PFD45233	1-1/2	1	1/4	80	23,000	\$5.25
PFD45238	2	1	1/4	60	23,000	\$6.95
PFD45239	2	1	1/4	80	23,000	\$6.75
PFD45208	3	1	1/4	60	20,000	\$9.75
PFD45209	3	1	1/4	80	20,000	\$9.75

GRINDING WHEELS FOR STAINLESS STEELS

Universal Line PS-FORTE: A 24 L PSF INOX

General purpose grinding wheel for use on all metals. Smooth grinding action and fast removal rates with minimal contact pressure.

- Abrasive: Aluminum Oxide
- INOX: Manufactured without addition of ferrous, sulphurous or chlorinated fillers.
- Application: Surface grinding, edge grinding
- Recommendation for Use: Recommended for angle grinders of all power output levels.



Part #	Diameter (in)	Thickness	Arbor Hole	Grit	Max RPM	Price
PFD61002	4.5	1/4	7/8	24	13,300	\$2.75
*Many other sizes/styles available. Call for details.						

REINFORCED GRINDING WHEELS

Reinforced Grinding Wheels for Steel, Cast Iron: Type 27 (Depressed Center), Type 28 (Saucer)

Performance grinding wheel provides good removal rates and long service life for reduced wheel changes. Particularly recommended for use in severe, high pressure grinding applications (e.g. edge grinding, beveling, etc).

- Abrasive: Aluminum Oxide
- Application: Weld grinding, edge grinding
- Recommendation for Use: Achieves optimum grinding results on high-powered angle grinders.
- 5/16" thick discs provide additional strength and service life for heavy-duty applications.



Part #	Diameter (in)	Thickness	Arbor Hole	Grit	Max RPM	Price
PFD61038	4.5	1/4	5/8-11	24	13,300	\$ 4.25
PFD61042	6	1/4	5/8-11	24	10,200	\$ 5.25
PFD61047	9	1/4	5/8-11	24	6,600	\$ 7.75

POLIFAN FLAP WHEEL

Universal Line PSF - POLIFAN PSF A - Flat (PFF- Type 27)



Versatile flap disc for multi-purpose grinding tasks. Suitable for angle grinders of all power outputs. Offers aggressive grinding performance and a good service life. Optimizes inventory management due to its suitability for many materials.

- Abrasive: Aluminum Oxide
- Grit sizes: 40, 60, 80, 120
- INOX-rated: Free of iron, sulphur and chlorinated fillers; suitable for use on stainless steel (INOX)
- Workpiece Materials: Steel, Stainless steel (INOX), plastics, wood
- Application: Surface grinding, edge grinding
- Recommendation for Use: Achieves very good grinding results even at low contact pressure.

Part #	Diameter (in)	Thickness	Arbor Hole	Grit	Max RPM	Price
PFD62029	4.5	5/8	5/8-11	60	13,300	\$7.75
<i>*Many other sizes/styles available. Call for details.</i>						

CUTTING & GRINDING

PFERD POLIFAN FLAP DISCS –UNIVERSAL LINE PSF - TYPE 27

Versatile flap disc for multi-purpose grinding tasks. Suitable for angle grinders of all power outputs. Offers aggressive grinding performance and a good service life. Optimizes inventory management due to its suitability for many materials.



- General purpose flap discs for multipurpose, demanding grinding applications.
- INOX-rated: Free of iron, sulphur and chlorinated fillers; suitable for use on stainless steel (INOX)
- Workpiece Materials: Steel, stainless steel (INOX)
- Application: Weld dressing, edge finishing
- Recommendation for Use: Optimum stock removal rates are achieved with high-powered angle grinders used at higher application pressures.

Part #	Diameter	Thread Size	Grit	Thickness	Max RPM	Price
PFD62033	4-1/2"	5/8-11	40	5/8	13,300	\$8.25
PFD62034	4-1/2"	5/8-11	60	9/16	13,300	\$8.50
PFD62043	7"	5/8-11	40	5/8	8,600	\$13.50

PFERD DEPRESSED CENTER GRINDING WHEELS -- (TYPE 27) NOTCHING

PFERD pipeline wheels are designed for light grinding and cutting, and all facets of steel and non-ferrous metal production and fabrication.



Part #	Diameter	Thread Size	Grit	Thickness	Max RPM	Price
PFD63427	4-1/2"	5/8-11	30	1/8	13,300	\$5.25
PFD63430	7"	5/8-11	30	1/8	8,600	\$9.50
PFD63431	9"	5/8-11	30	1/8	6,600	\$9.75



PFERD ABRASIVES

PFERD CUTTING WHEELS – FOR STEEL AND CAST IRON

- PFERD cut-off wheels are global leaders in quality, consistency and performance
- The wide range of wheel shapes, thicknesses and cutting characteristics meet all demands for efficient cutting operations
- This range of premium cut-off wheels provides fast cutting performance and long service life

Part #	Diameter	Thread/AH	Grit	Thickness	Max RPM	Price
PFD63162	4-1/2"	7/8 AH	46	.045	13,300	\$3.25
PFD69964	6"	7/8 AH	60	.045	10,200	\$2.50
PFD63257	7"	5/8-11	30	1/8	8,600	\$12.25



PFERD CUT-OFF WHEELS FOR PIPELINE, STAINLESS STEEL

General purpose pipeline wheel provides smooth grinding action, fast removal rates and good service life with minimal contact pressure. In addition to providing an aggressive, low cost solution for conventional use, INOX-Rated Pipeline PSF is an excellent tool for pipe fitters servicing the Nuclear and food industry.

- Aluminum Oxide grain
- Fast stock removal, good service life
- INOX Rated: Free of iron, sulphur and chlorinated fillers; suitable for use on stainless steel

Part #	Diameter	Thread	Thickness	Max RPM	Price
PFD63414	4-1/2"	5/8-11	1/8	13,300	\$3.95
PFD63418	6"	5/8-11	1/8	10,200	\$6.25
PFD63417	9"	5/8-11	1/8	6,600	\$8.75



PFERD SAW BLADES

Part #	Diameter	Arbor Hole	Grit	Thickness	Max RPM	Price
<i>For Portable/Gas Saws</i>						
PFD64015	12"	1"	24	1/8	6,400	\$7.50
PFD64016	14"	20mm	24	3/16	5,500	\$12.95
PFD64018	14"	1"	24	3/16	5,500	\$12.75
<i>For Electric Saws</i>						
PFD64502	14"	1"	36	3/32	4,400	\$8.95



Gas Saw Blade



Electric Saw Blade

CUSTOMER NOTES:





PFERD ABRASIVES

PFERD KNOT WHEEL EXPANSION JOINT CLEANING BRUSH

Long trim for joint penetration, and finer wire for extended life. Used for removing road joint material. Features 3/8" drive pin hole. Used on walk-behind and portable machines.

Part #	Dia.	Arbor Hole	Wire Size	Trim Length	Face Width	Max RPM	Price
ADV82078	12"	1"	.035"	3"	3/8"	6,000	\$69.95



PFERD KNOT WHEEL BRUSHES - FULL CABLE TWIST - COMBITWIST®

Full cable twist knotted wire is efficient for weld spatter removal, blending tool marks, cleaning and deburring, and removal of encrustations. Used in pipe joining for cleaning scale and spatter following welding. Low-flex, high-impact cleaning. COMBITWIST® is a variation on existing knot styles in which the knots are alternately twisted to offer superior balance during rotation. This construction style offers a more aggressive and effective brushing solution for cleaning and deburring applications.

- More aggressive brushing
- Longer brush life
- Superior rotational balance
- Faster stock removal
- Reduced operator fatigue
- Better surface finish

Part #	Dia.	Thread Size	Wire Size	# of Knots	Trim Length	Max RPM	Price
ADV82388	4"	5/8-11	.020 CS	22	3/4"	20,000	\$21.75
ADV82417	4"	5/8-11	.020 SS	22	3/4"	15,000	\$33.95



PFERD CRIMPED CUP BRUSHES - CARBON STEEL WIRE

For light duty application and surface cleaning. Flat brushing, edge cleaning, and flash removal. Recommended for use on portable power tools to remove paint, burrs, and corrosion. Suitable for use on stationary machines and angle grinders.

Part #	Dia.	Thread Size	Wire Size	Filament Material	Trim Length	Max RPM	Price
ADV82517	6"	5/8-11	.020	Carbon Steel Wire	1-3/8"	6,000	\$39.75



SHOP ROLLS - LIGHT, FLEXIBLE SHOP ROLLS

Provides good heat resistance and smooth finishes. Aluminum oxide cloth, for use on ferrous and non-ferrous metals grinding flat or irregular surfaces, cleaning and polishing of rough ground work pieces.

Part #	Width (Inches)	Length (Yards)	Grit	Price
PFD47203	2	50	80	\$49.95
PFD47204	2	50	100	\$49.95
PFD47205	2	50	120	\$49.95



GRINDING WHEELS FOR STAINLESS STEELS - PERFORMANCE LINE SG-ELASTIC: A 30 N SG-INOX

Highly productive, long life grinding wheel for stainless steel (INOX) and high temperature alloys. Smooth grinding action and fast removal rates are achieved with minimal contact pressure. Also suitable for carbon steel and all ferrous metals.

- Abrasive: Premium Aluminum Oxide
- INOX: Manufactured without addition of ferrous, sulphurous or chlorinated fillers.
- Workpiece Materials: Stainless steel (INOX)
- Application: Weld grinding, surface grinding
- Recommendation for Use: Provides optimum grinding results on high-powered angle grinders.
- 5/16" thick discs provide additional strength and service life for heavy-duty applications.

Part #	Dia.	Thickness (Inches)	Thickness (mm)	Arbor Hole/Thread Size	Max RPM	Price
*PFD71458	7"	1/4"	7.2 mm	5/8-11	8,600	\$7.25



*Note: Pferd part number for this item is 61110

FILES

NICHOLSON MILL BASTARD FILES

- Fine quality file with a number of uses
- Great for sharpening machetes and other tools



08354	6"	.....	\$5.50 each
08497	8"	.....	\$6.50 each
08642	10"	.....	\$8.50 each
08737	12"	.....	\$13.75 each
08832	14"	.....	\$18.50 each
08925	16"	.....	\$23.95 each

NICHOLSON HALF ROUND BASTARD CUT FILES

- American Pattern Half Round File, Bastard Cut
- Used on Concave, Convex and Flat Surfaces
- Rounded on 1 Side, Flat on Opposite
- Rounded Sides are Double-Cut
- Flat Sides are Double Cut



04896N	8"	.....	\$13.25 each
04995N	10"	.....	\$16.50 each
05094	12"	.....	\$21.25 each

NICHOLSON FLAT BASTARD CUT FILES

- American Pattern Flat File, Bastard Cut
- Used By Machinists, Machinery Builders, Ship and Engine Builders
- Also By Repairman and Others Who Require Rapid Removal of Metal
- Rectangular in Cross Section and Taper Slightly Towards Point in Width
- Double Cut on Sides, Single Cut on Edges



03566	8"	.....	\$8.95 each
03655	10"	.....	\$10.95 each

NICHOLSON TAPER FILES

- American Pattern Taper File
- Made for Filing Saws with 60° Angle Teeth
- Triangular Shape
- Single Cut
- Edges Set and Cut for Filing Gullets Between Saw Teeth
- Tapers Slightly Towards the Point



21866	6" Triangular Slim Taper File	.....	\$4.95 each
13875M	8" Regular Taper File	.....	\$8.65 each

METAL FERRULED WOODEN HANDLE

- Made From Close Grain Hardwood with Wax Finish
- Handles Have Strong Nickel-Plated Metal Ferrules
- Size 00



21471N..... \$3.75 each

WHICH FILE SHOULD YOU CHOOSE?

- Use a triangular file on acute internal angles and to clear out square corners. Triangular, or three square, files can also be used to sharpen saw teeth.
- Use a mill file in smoothing lathe work, draw filing and other fine precision work. Mill files are always single cut.
- Use a flat file for general purpose work bastard cut for rough work and second cut or smooth for smooth finishing.
- Use a square file to enlarge rectangular shaped holes and slots.
- Round files do the same thing for round openings.
- Use a half round file when you want one file for a wide range of different jobs - the flat side on flat surfaces, the rounded side for curved surfaces.
- Use Swiss Pattern files when fitting parts of delicate mechanisms.

WE OFFER MANY TYPES OF FILES. ONLY THE MOST POPULAR ARE SHOWN HERE.

CALL FOR DETAILS.





BUCKET BOSS® TOOL BAGS

TOOLS

GATEMOUTH 24 LONGBOY TOOL BAG

Perfect for holding all different sizes of tools and more! Made of poly ripstop/600D poly material, this is the bag with the super-wide "Dr.'s Bag" opening. There are 16 pockets to hold tools or other items in place. The bottom of the bag is reinforced with padded ripstop material. There are now side pull handles so you can pull your bag across a surface. The padded shoulder strap makes it easy to transport your tools while on the job.



- Poly ripstop / 600d poly material
- Super-wide "Dr.'s Bag" opening
- Padded ripstop bottom
- Removable padded shoulder strap
- 16 Pockets: 6 exterior, 10 interior
- 24" W x 10" D x 10" H

BB60024 \$36.95 each

GATEMOUTH 16 TOOL BAG

Perfect for holding small hand tools. Made of poly ripstop/600D poly material, this is the bag with the super-wide "Dr.'s Bag" opening. There are 16 pockets to hold tools or other items in place. The bottom of the bag is reinforced with padded ripstop material.



- Poly ripstop / 600d poly material
- Super-wide "Dr.'s Bag" opening
- 16 Pockets: 6 exterior, 10 interior
- Padded ripstop bottom
- Removable padded shoulder strap
- Side pull handles
- 16" W x 9" D x 12" H

BB60016 \$29.75 each

PRO GATEMOUTH 14 TOOL BAG

Made of heavy-duty 1680 Poly water-resistant material and a molded water proof bottom. The Stayput handles will remain upright, unlike most conventional bag handles that droop to the side. There are also side pull handles so you can grab the bag from the back of your truck, and a removable, padded shoulder strap. It even has an ID window so you can ID your bag.



- Heavy-duty 1680d poly material
- Molded waterproof rubber bottom
- Water-resistant zipper
- 12 Pockets: 5 exterior, 7 interior
- StayPut handle grips wont flap down
- Removable padded shoulder strap
- Side pull handles
- ID window
- 14" W x 10" D x 11" H

BB64014 \$61.95 each

GATEMOUTH 13 TOOL BAG

Perfect for holding small hand tools. Made of 600D poly material, this tool bag has 3 exterior pocket and 3 mesh exterior pockets. The carrying handle makes it easy to transport your tools while on the job.



- 600d poly material
- Super-wide "Dr.'s Bag" opening
- 6 Pockets: 6 exterior
- 13" W x 8" x 10"

BB60013 \$14.95 each

POWER PRO DROP BOTTOM 18" TOOL BAG

Made of heavy-duty 1680 Poly water-resistant main body fabric and a molded water proof bottom and water-resistant zipper, featuring 14 total pockets this bag will hold small and medium size hand tools. But there is more! The drop bottom compartment is zippered on the bottom of the bag and has dividers to hold small parts. It also has new Stayput handles which will remain upright all the time unlike most conventional bag handles. There are side pull handles so you can grab the bag and drag it across the back of your truck or surface and a removable, padded shoulder strap so you can carry your tools around with comfort. It even has an ID window so you can ID your bag.



- Heavy-duty 1680d poly material
- molded waterproof rubber bottom
- DropBottom compartment with dividers that organizes accessories
- 14 Pockets: 6 exterior, 8 interior
- StayPut handle grips
- Removable padded shoulder strap
- Side pull handles
- ID window
- 18" W x 11.5" D x 16" H

BB68018 \$105.95 each

CABLE BAG

Constructed out of poly ripstop/600D poly material for great durability. It fits neatly in with the spare wheel.



- Poly ripstop / 600d poly material
- Fits in neatly with spare wheel
- Works great for jumper cables, tow straps, pneumatic hoses and extension cords
- 14" D, 3" W

BB69000 \$13.95 each



BUCKET BOSS® TOOL BAGS

TOOLS

CONTRACTOR'S BRIEFCASE

Pockets for files or magazines on the exterior and interior. Made of poly ripstop/600D poly material, it includes 15 interior pockets for holding basic hand tools. The front compartment flap opens up to find a sleeve which can hold an iPad. The main interior compartment can hold a laptop computer. Carrying the Contractor's Briefcase is made easy with the carrying handles or use the adjustable, removable padded shoulder strap.



- Poly ripstop / 600d poly material
- Laptop sleeve in main compartment
- iPad sleeve in front flap compartment
- 15 interior pockets holds basic tools and supplies
- 1 rear pocket that can hold files or magazines
- Padded shoulder strap
- 16" W X 6" D X 12.5" H

BB62100.....\$35.95 each

GATEMOUTH SOFT TOTE

Made of poly ripstop/600D poly material, durability won't be an issue. It has 12 pockets and 16 tool loops, a large interior space with an adjustable/removable partition. It's also equipped with a tape clip, electrical tape holder and a tool clip. There is also a plastic small parts tray included so you can keep nails, screws, caps and other items that can be easily lost contained. Finally, the padded shoulder strap makes it easy to transport your tools while on the job.



- Poly ripstop / 600d poly
- Tape clip, electrical tape holder, and tool clip
- Large interior with removable partition
- Includes plastic small parts tray
- 16" W x 7" D x 8.5" H

BB60088.....\$34.95 each

TOOL ROLL

Holds most types of small hand tools. The 18 oz. Duckwear canvas is used to absorb tool oil and to protect your tools from getting scratched, scrapped or dinged. There are 22 pockets, 3 small Velcro® pockets and 17 loops to hold your tools in place. Use the quick release buckles to secure the Tool Roll when it's all rolled up and use the carrying handle to transport your tools.



- 18 oz. Duckwear canvas
- 22 pockets, 3 small velcro pockets, 17 loops
- Carry handle
- Rolled: 14" W x 4.5" D Opened: 26" W x .125" D X 14.5" H

BB70004.....\$17.75 each

CONTRACTOR'S PORTFOLIO

Outer sleeve to hold files or magazines. Open it up and you have another sleeve that is wider and can hold an iPad and folders. There are organizing pockets for pencils, cellphone and business cards and a 8.5" x 11" notepad included. Plus, it's durable as it is made out of poly ripstop/600D poly material.



- Poly ripstop / 600d poly material
- iPad or folders fit in outside sleeve
- Inside sleeve fits iPad / folders
- Organizer for pencils, phone, and business cards
- 8.5" x 11" notepad included
- 15" W x 4" D X 12" H

BB62200.....\$21.75 each

BUCKET BOSS® 56 TOOL ORGANIZER

Gives you the ability to hold plenty of your hand tools in a 5 gallon bucket. Made of poly ripstop/600D poly material and built with 56 pockets, this BTO fits any 5 gallon bucket. There are also 3 interior loops for hammers, drills, pry bars and long tools.



- Poly ripstop / 600d poly material
- Fits most 5 gallon buckets
- 58 assorted storage pockets: 40 outside & 18 inside
- Three interior loops for hammers, drills, pry bars, and long tools

BB10056.....\$32.50 each

BALLISTIC CELLPHONE HOLDER

Made of 1680 poly with foam padding to keep your phone protecting while on a job site. It's a top loading holder with a water-resistant zipper tape closure. The stainless steel spring clip allows you to attach the holder to your tool belt, belt or pants.



- Certified ballistic nylon for extreme duty with foam padding for jobsite protection
- Top loading, water-resistant zipper tape closure
- Stainless steel spring clip that attaches to tool belt, pants or belt
- fits iphone5
- 3.25" L X 1.5" W X 6.5" H

BB57500.....\$6.50 each

DUCKWEAR SUPERWAIST APRON

A great way to hold small tools and other items while working. Constructed out of 18 oz. Duckwear canvas, there are 13 pockets and the seams are bar tacked for added durability. The belt fits waists up to 52" and has a quick release buckle. There are two web loops to hold hammers.



- 18 oz. Duckwear canvas
- Quick release belt that fits up to 52' waists
- 13 pockets to hold tools and pens
- Bar tacked seams
- 23" W x 9.5" H
- 27" to 54" waist size

BB80100.....\$10.95 each

Full line of Bucket Boss items available.
Call for more information.

3' FIBERGLASS PLATFORM LADDER

3 foot non-conductive fiberglass platform ladder capable of holding a load capacity of 300 lbs. Featuring double-rivet construction, extended handrail, ProTop with multiple tool slots and magnet and a larger platform. Also equipped with SHOX impact system and Da Boot Slip Resistant Boot.



FXP1703\$195.00 each

TYPE 1A FIBERGLASS PLATFORM LADDER

A 3 foot non-conductive fiberglass industrial platform ladder capable of holding a load capacity of 300 lbs. Equipped with SHOX impact system, Da Boot slip resistant boot, top rail guard and a gapless slip resistant platform. Slim – Double rivet step construction.



FP1504 4'.....\$170.00 each
 FP1506 6'.....\$195.00 each
 FP1508 8'.....\$255.00 each
 FP1510 10'.....\$395.00 each



TYPE 1A FIBERGLASS STEPLADDER WITH PROTOP

This non-conductive fiberglass step ladder is capable of holding a load capacity of 300 lbs. Equipped with ProTop with magnet and tool slots, SHOX impact absorption system and Da Boot Slip Resistant Boot. *Note: Pail shelf can be added to this model FS1504-S51.* Inside spreader braces, wide back braces and double-rivet step construction. Orange



FS1504 4'.....\$85.00 each
 FS1506 6'.....\$115.00 each
 FS1508 8'.....\$160.00 each

TYPE 1A FIBERGLASS STEPLADDER

This non-conductive fiberglass step ladder is capable of supporting a 300lb load capacity. This ladder is equipped with a molded top with tool slots, heavy duty gusset bracing, and slip-resistant rubber feet. Red

- Molded top with Handyman's Tool Slots
- Aluminum Angle Slip Resistant Rubber Feet
- Inside Spreader Braces
- Heavy Duty Gusset Bracing



L3016-04 4'.....\$75.00 each
 L3016-06 6'.....\$104.50 each
 FS6108 8'.....\$142.50 each
 FS6110 10'.....\$219.95 each
 FS6112 12'.....\$261.50 each

FIBERGLASS EXTENSION LADDER

This 16 foot fiberglass extension ladder comes with a 300lb load capacity. The ladder features outside slide guides, D-shape rungs fully serrated for slip resistant surface, non marring rail end caps, QuickLatch rung lock for better secure operation and swivel safety shoes to be used as tread down or in spike position.



FED6216-2 16'.....\$224.50 each
 FED6220-2 20'.....\$257.50 each
 FED6224-2 24'.....\$298.50 each
 FED6228-2 28'.....\$353.50 each
 FED6232-2 32'.....\$413.50 each

THE THREE POINT-OF-CONTACT CLIMB

When climbing a ladder, it is safest to utilize Three Points-of-Contact because it minimizes the chances of slipping and falling from the ladder. At all times during ascent or descent, the climber must face the ladder and have two hands and one foot, or two feet and one hand in contact with the ladder cleats and/or side rails. In this way, the climber is not likely to become unstable in the event one limb slips during the climb. It is important to note that the climber must not carry any objects in either hand that can interfere with a firm grip on the ladder. Otherwise, Three Points-of-Contact with the ladder cannot be adequately maintained and the chance of falling is increased in the event a hand or foot slip occurs. Factors contributing to falls from ladders include haste, sudden movement, lack of attention, the condition of the ladder (worn or damaged), the user's age or physical condition, or both, and the user's footwear.

-Courtesy of laddersafety.org.

HOISTS & LIFTING EQUIPMENT



BLACK BEAR CHAIN FALLS* - HAND CHAIN HOIST

Features:

- Double ratchet pawls for increased safety
- Rugged steel frames, gear case covers and hand wheel covers for strength and durability
- 360° swiveling forged steel heat treated upper and lower hooks complete with safety latches



YB-050-10	1/2 Ton – 10' Lift Chain	\$133.95 each
YB-100-10	1 Ton – 10' Lift Chain	\$160.25 each
YB-100-20	1 Ton – 20' Lift Chain	\$238.50 each

BLACK BEAR LEVER HOISTS*

Features:

- A heavy duty steel frame
- 360° swiveling handle
- Forged steel swiveling upper level and lower hooks (with safety latches)
- An easy "free chaining" capability and short handles for versatility with low effort required to lift a capacity load.



YL-080-10	3/4 Ton Chain Lever Hoist	\$204.50 each
YL-100-10	1 Ton Chain Lever Hoist	\$250.99 each
YL-160-10	1.6 Ton Chain Lever Hoist	\$264.00 each
YL-320-10	3 Ton Chain Lever Hoist	\$399.50 each

BLACK BEAR ELECTRIC CHAIN HOISTS – 110V SINGLE PHASE**

Features:

- Automatic motor brake system provides instant braking upon power failure or release of push button
- Dual brake system assures safer operation
- Limit switches prevent over travel of load hook
- Chain container
- Advanced phase error relay prevents motor from energizing if incorrectly connected.
- Emergency stop button-standard
- Electronic overload protection
- Quick-change pendant using metal plug for easy connection



YSF100-10	1 Ton - 10' Lift - 7' Pendant	\$1,750.00 each
YSF100-15	1 Ton - 15' Lift - 12' Pendant	\$1,825.00 each
YSF100-20	1 Ton - 20' Lift - 17' Pendant	\$1,895.00 each

* Please specify Lift and Fall when ordering.
** Please specify Lift, Pendant, Length & Voltage when ordering.

**Full line of Black Bear products available.
Call for more information.**

SERIES 602 MINI RATCHET LEVER HOIST

The CM Series 602 Mini Ratchet Lever Hoist features the most compact and comfortable ratchet lever hoist in the market. It performs just like the larger models and has a 550 lb lifting capacity.

- Capacity : 550 lbs
- Lift : 5'
- Type : Chain
- Plated load chain is standard.
- Weston-type load brake.
- Rubber hand grip for better comfort and security.
- Lightweight design for ease of portability. Use in confined conditions with one-hand operation.
- Forged upper and lower hooks with latches standard.
- Impact resistant, all-steel frame, gear case and cover.
- Hardened link-type alloy steel load chain for strength.
- Free-wheeling feature serves to quickly attach the load.
- Metric rated.



0210-CM..... \$138.99 each

BLACK BEAR BEAM CLAMPS

Available in capacities of 1, 2 and 3 tons, adjustable to fit beam flanges from 3" to 12.5. Ideal for lifting beams or using for a temporary suspension point for hook suspended hoist of equal capacity.



Part Number	Capacity	Adj. Beam Width	Price
BC-100	1 Ton	3-8.5"	\$59.99
BC-200	2 Ton	3-8.5"	\$69.99
BC300	3 Ton	3-12.5"	\$129.00

BLACK BEAR 1 TON MANUAL TROLLEY

- Flange Width: 3-6"
- Headroom: 4.9"
- Minimum Radius Curve: 40"



PT100..... \$139.95 each

JET HD-5T, 5-TON WIDE BEAM CLAMP

Can accommodate a beam up to 12 inches wide. Beam clamp jaw is designed to distribute the load away from the beam flange and adjusts easily for a wide range of standard H or I beams

- Welded all-steel frame and powder coat finish provide maximum durability and protection
- Clamp jaw is designed to distribute the load away from the beam flange edge increasing safety
- Used for quick mounting of a hoist or for lifting a broad range of beams up to 12-3/5 inches wide for increased versatility



JET202750 \$127.50 each

CABLES & CORDS

VINYL EXTENSION CORDS

Three conductor grounded cord – 300V. Indoor/Outdoor SJTW vinyl cord sets constructed with double insulation and molded-on plugs. Orange, non-marring outer jacket.

Item Number	GA/COND	Length (Ft)	125V Rating	Price
EC25	12/3	25	15A	\$27.95
EC50	12/3	50	15A	\$37.95
EC100	12/3	100	15A	\$69.95



GFCI – GROUND FAULT CIRCUIT INTERRUPTERS/SAFETY

Item Number	GA/COND	Length (Ft)	125V Rating	Price
GFCI-2	12/3	2	15A	\$38.95
GFCI-3	12/3	3	15A	\$48.95

SQUIDS® TOOL LANYARD

Tethers tools to help worker prevent injury, damage and lost productivity from dropped tools.

- Stretchcord surrounded by tubular nylon webbing
- Lock stitching at both ends for extra security
- Aluminum carabiner
- Adjustable barrel lock for tool attachment
- Maximum safe working capacity: 10 lbs. (4.6 kg)
- Standard 35" - 42" (89cm-107cm)
- Black



19002\$9.95 each

COXREELS® STATIC DISCHARGE CABLE REEL

"Static Discharge" spring driven cable reels are built heavy-duty and designed for long-lasting performance. They are specifically designed to be used in combustible environments where the static buildup could ignite a spark and subsequent explosion. Static discharge or grounding reels are commonly paired with fuel hose reels.



- 3/32" Dia. 7 Strand x 7 Wire Galvanized Steel Cable
- High Visibility Orange Vinyl Cable Cover
- Solid Rubber Cable Stop
- Includes Cable, Stop & 50 Amp Grounding Clamp
- Non-Sparking Locking Ratchet Secures Cable At Desired Length
- Non-Corrosive Stainless Steel Spring, Brass, Pawl & Zinc Plated Ratchet
- Multi-Position Arm Guide

SD-35 35' Static Discharge Cable Reel\$227.95 each
**All types of COXREELS available.*

RETRACT-A-CLAMP® STATIC GROUNDING CABLE

Retract-A-Clamp® coiled static grounding cable assemblies provide the operator with a low-cost and easy-to-use system for grounding and bonding applications where reliability and operational stability is paramount. This model incorporates a cast aluminum REB 2960 hand clamp, 20 feet of cable (fully extended) and a 1/4" Lug. Coated with orange PVC that inhibits cable corrosion and radiates a bright visual capture to alert the operator of its presence. A unique PVC coating provides abrasion resistance, chemical resistance, wear resistance, prevents cable fray and increases the longevity of the cable. Coiled-cable design automatically retracts the cable to its original shape once tension is released. All REB clamps feature opposing Stainless Steel Points that exhibit a strong biting force that punctures through paint to ensure a positive metal-to-metal contact. Compliant with NFPA77. Made in America.



7610K68 20' \$68.95 each
 REB2960 Clamp Replacement..... \$26.50 each

BOOSTER CABLES

- Polar-Glo™ Clamps
- No-Tangle™ Booster Cable
- T-Prene® Jacket Remains Flexible Even in Extreme Cold Temperatures
- Wire Jacket Material is Oil, Chemical, and Water Resistant
- Polar-Glo™ Clamp is Ergonomically Designed so that it can be Easily Handled by Everyone
- Clamps' Triple-Polarity Identification Includes: Color Coding, Indent Stamping, and Glow-in-the-Dark Labels
- All Energized Clamp Surfaces are Shielded to Avoid Short Circuits
- All Conductive Clamp Surfaces are Recessed to Prevent Accidental Contact
- Made in the U.S.A.

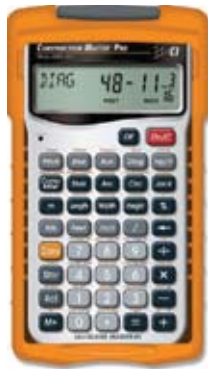


BOOSTER-4-20 20', 4 Gauge \$59.95 each
 BC412 12', Heavy Duty 4 Gauge \$82.50 each

CALCULATORS

CONSTRUCTION MASTER PRO

The Construction Master Pro is an award-winning advanced feet-inch-fraction construction-math calculator with powerful built-in solutions perfect for completing layouts, plans, bids and estimates. Calculate circles, roofs stairs, and more. Works in and converts between feet-inches-fractions and decimals, including metric. Use it in the field or office to save time, reduce costs, prevent re-work and maximize profits.

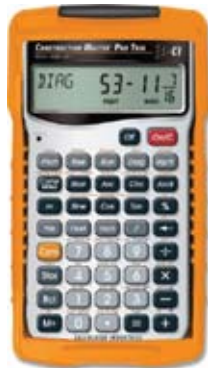


- Work in and convert between building dimensions, including Metric
- Built-in Right-Angle solutions
- Areas, Volumes, Square-ups
- Complete Stair Layouts
- Roof, Rafter and Framing solutions
- Circle: Arcs, Circumference, Segments
- Drywall - Siding and Panels
- Stairs - Riser Height and solve for Stairwell Opening
- Studs On-center
- Compound Miter Cuts
- Arched Rake-Walls

4065 Construction Master Pro.....\$69.95 each
5000-LR44 Replacement Battery\$2.50 each

CONSTRUCTION MASTER PRO TRIG

Advanced Feet-Inch-Fraction Construction-Math Calculator with Full Trigonometric Functions. The Construction Master Pro is an award-winning advanced feet-inch-fraction construction-math calculator with powerful built-in solutions perfect for completing layouts, plans, bids and estimates. Calculate circles, roofs stairs, and more. Works in and converts between feet-inches-fractions and decimals, including metric. Use it in the field or office to save time, reduce costs, prevent re-work and maximize profits.



- Work in and convert between any building dimension, including Metric
- Trigonometric Function
- Find Weight per Volume
- Built-in Right-Angle solutions
- Complete Stair Layouts
- Roof, Rafter and Framing solutions
- Circular: Arcs, Circumference, Segments and More
- Stairs - Set Riser Height and solve for Stairwell Opening
- Studs - Find number On-center for an entered Length
- Compound Miter Cuts Arched Rake-Walls
- Equal sided Polygons

For Contractors, Architects, Engineers, Project Managers, Estimators, Draftspersons, Builders, Framers, Carpenters, Tradespersons

C14080 Construction Master Pro Trig\$79.95 each
5000-LR44 Replacement Battery\$2.50 each

LASER DISTANCE MEASURE

Laser Dimension Master 130 is a one-person laser measuring tool for distances, areas and volumes. It is easier and faster to use than a tape measure and fits easily in your hand, pocket or tool belt.



- Measure up to 130 Feet with accuracy of 1/8 Inch or better over entire range
- Its small size makes it easy to use in hard-to-access areas
- Measure distances in Feet-Inches, Decimal Feet, Inches or Meters
- Large, bright, color easy-to-read display Great For - Real Estate Agents and Brokers, Appraisers, Architects, Contractors/ Builders, Electricians, Carpenters, Plumbers, Interior Designers, Remodelers, Cabinet Makers and Window Covering Professionals – Anyone Who Needs Laser Accurate Measurements

3356 Laser Distance Measure.....\$99.95 each

PIPE TRADES PRO

For Pipefitters, Steamfitters, Sprinklerfitters and Welders.

Gives you instant answers for all your pipe layout and design problems, including complex rolling offsets, parallel pipe cutbacks, weight/volume conversions, flow rates, pressures, areas and more.



With the Pipe Trades Pro you'll spend less time calculating and looking at charts and more time cutting, welding and placing pipe.

- Right Angles, Offsets, and Complex Rolling Offsets
- Fitting Angles, Bends, Slopes Percent Grades, Drops
- Parallel Pipe Cutbacks
- Feet-Inch-Fractions and Trigonometry
- Pipe Areas, Fill Weights
- Flow Rates, Velocity, Force, Volumes
- Pressure Loss for any Pipe Size, Type or Distance
- Complete Building, Plumbing and Metric Unit Conversions
- Built-in Pipe Data

Choose a Pipe Material and Pipe Type and enter Size and get Diameters, Wall Thickness, Filled Weight per Foot, Internal Area.

Seven different Pipe Materials: Steel, Stainless Steel, Brass, Aluminum, Cast Iron, Plastic, Copper.

4095 Pipes Trade Pro.....\$79.95 each
5000-2032 Replacement Battery\$5.00 each

MEASURE MASTER™ PRO

For Designers, Craftsmen, Tradespersons, Fabricators, Woodworkers and Technicians.



Get professional results every time with this handy and easy-to-use tool for projects involving measurements! Built-in functions make the Measure Master Pro ideal for faster, more accurate material estimates. Quickly solve Circumference, Circle Area, and Arcs. This simple and powerful calculator fits in a pocket, briefcase or tool pouch. Use it at home or in the shop for on-the-spot calculations – saving you time, money and frustration!

- Work in and convert between dimensions, including Metric Linear, Area and Volume measurements; Square-up and Perimeter
- Find Weight and Weight per Volume
- Instant solutions for Circle Area, Circumference, Arcs and More
- Board feet
- Cost per Unit: solve unit cost and pricing

4020 \$39.95 each
5000-LR44 Replacement Battery \$2.50 each

ULTRA MEASURE MASTER®

For Engineers, Architects, Construction Pro's, Scientists and Students.



The Ultra Measure Master is the most complete and easy-to-use U.S. Standard to Metric conversion calculator available. Convert more than 60 imperial and Metric (si) units – over 400 conversion combinations with a touch of a few buttons! Forget complex scientific calculators or memorizing conversion formulas! The Ultra Measure Master meets federal highway metrification requirements. *Note: (si) is the International System of Units, or metric system.

- Over 400 Conversion Combinations
- More than sixty Standard U.S. and Metric Units Built-in!
- Easily Calculate Linear, Area and Volume Measurements

8025 \$39.95 each
5000-2016 Replacement Battery \$5.00 each

HEAVYCALC™

For Engineers, Designers, Excavators, Highway and Heavy Construction Professionals.



Save time, eliminate costly errors, reduce material and labor expenses on all construction jobs. Built-in functions quickly find solutions for Area, Volume, Weight, Slopes, Swell, and Shrink, Cut/Fill and More! Work in and convert between all building dimensional formats, including Metric. The most effective equipment, manpower planning and estimating tool you can own!

- Work in and convert Yard, Feet-Inch-Fraction and Metric formats
- Automatically calculate Areas and Volumes
- Square-ups and Right Angles; Percent Grade and Slope; stakeout
- Drops, Ramps, Trenches, much more
- Weight per Volume (Lbs, Tons, Kg)
- Find percent (%) Swell and Shrink
- Simplify Cut/Fill Estimates

4325 \$69.95 each
5000-2016 Replacement Battery \$5.00 each

CONCRETECALC™ PRO

For Concrete, Masonry and Paving Professionals.

The easy-to-use ConcreteCalc Pro helps reduce material waste, improve design accuracy and cut estimating time. Increase efficiency in the field or in the office with fast, accurate solutions for Square-ups, Loads, Area, Volume, Rebar, Drop and Stairs. Find the number of Bags of Cement required for small jobs.



- Work in Yards, Feet-Inch-Fractions, Area,
- Volume, Weight and Loads
- Automatic Square-ups and Drops
- Rebar solutions including Inset and Weight
- Complete Stair Layouts; set Riser Height and Tread Width
- Equal sided Polygons
- Blocks and Footings
- Circles: Arc, Column, Cone, Much More!

4225 \$69.95 each
5000-2016 Replacement Battery \$5.00 each

DIGITAL PLAN MEASURE

The new ergonomic design of the affordable Scale Master® Pro makes it comfortable to hold, and the dual LCD displays make it much easier to read. Get fast, accurate Linear, Area and Volume takeoffs from blueprints, drawings and maps. It features 72 built-in scales – 6 custom scales and 2 built-in memories. Quickly switch between Metric and Imperial Modes. A Lock switch prevents accidental changes of scale or mode. It is an ideal tool for preparing bids and estimates from plans and blueprints in the field or office.



6025 Digital Plan Measure \$69.95 each
5000-2032 Replacement Battery \$5.00 each

CALCULATORS/REFERENCE BOOKS

LASER DIMENSION MASTER II

The Small, Light, Accurate and Easy Way to Measure

For Real Estate Agents, Interior Decorators, Appraisers, Estimators, Remodelers, Designers – anyone requiring, fast, accurate indoor measurements.

Use the LDM II for fast, accurate indoor measurements up to 50 feet with 99.0% accuracy. New sleek, easy-to-use design. Get an instant digital readout displayed in Feet-Inches or Meters. Laser pointer may also be used alone.



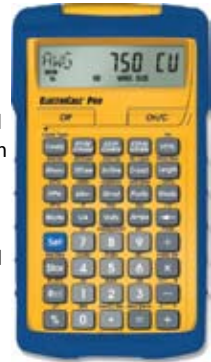
The Laser Dimension Master II helps you:

- Take Interior Room Measurements at the Speed of Sound! It uses a narrow ultrasonic beam to measure at the speed of sound, even in areas with furniture or fixtures
- Impress Your Clients with Fast & Accurate Measurements! Measure from 20 inches (0.5 m) up to 50 feet (15.2 m) indoors with 99% accuracy.
- Simple to Use! Just aim and press a button! When the unit beeps, you've got a measurement.
- Easy-to-Read Display with Backlight! Simple readout in feet and inches. You can also set your display to measure in meters.
- Built-In Laser Pointer lets you see exactly where you're measuring. You can even use it for presentations.
- Conveniently measure from front or back of unit.

3339 \$39.95 each

ELECTRICALC PRO

Electrical Code Calculator. Compliant with 2014, 2011, 2008, 2005, 2002, 1999, 1996 NEC® Electrical Contractors, Designers, Electricians and Lighting Specialists solve tough electrical calculations in seconds and deliver those solutions in conformance with the latest NEC®. The ElectricCalc® Pro is a complete electrical reference tool that will save time, trouble and money. Update to future NEC® updates with an easy-to-install kit. Includes Armadillo Gear™ protective Hard Case.



It helps you solve for:

- Wire Sizes
- Integrated Voltage Drop
- Conduit Sizing
- Motor Full-Load Amps
- Fuse and Breaker Sizes
- NEC® Table Number displayed when performing Wire Size calculations
- Service and Equipment Grounding Conductor Sizes
- Enter BTU to find Kilowatts per Hour
- Enter Kilowatts per Hour to find BTU
- Parallel Resistance
- Ohm's Law Calculations – enter any two values to solve for the third
- Circular MILS wire sizes

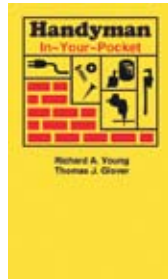
5070 Electricalc Pro \$89.95 each
 5000-2032 Replacement Battery \$5.00 each

REFERENCE BOOKS

HANDYMAN IN-YOUR-POCKET

-by Richard A. Young & Thomas J. Glover

The ultimate building, contractor, do-it-yourself and maintenance handbook. Valuable tools include: roof pitch & rafter length table, 3,500 conversion factors, and drafting symbols. Also includes information about: anchors, electrical, belts, pulleys, gears, nails, staples, spikes, tools, welding, paints, finishes, solvents, glues, adhesives, and much more. Pocket-sized, 768 pages

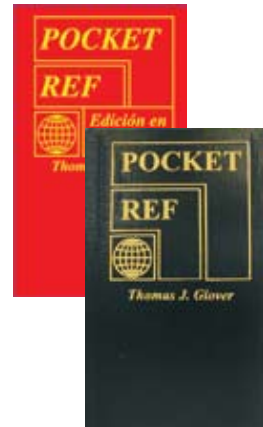


SQ-HANDYMAN Soft Cover \$12.50 each

POCKET REFERENCE – 4TH EDITIONS

-by Thomas J. Glover

With newly added & expanded chapters, Pocket Ref 4th Ed, has everything you need to know, right in your pocket! Automotive, Carpentry & Construction, Electronics & Electrical, First Aid, Glues & Solvents, Mine & Mill, Weights and Properties of Materials, Chemistry & Physics, Rope & Chain, Weather, Geology, Science, Math, over 3,500 Conversion Factors and much, much more! You will love this AMAZING book! 864 pages. Pocket-Sized



SQ35903-D Soft Cover \$11.95 each
 SQ-POCKET REF-SP Spanish Edition, Soft Cover \$11.95 each

MISCELLANEOUS CONTRACTOR TOOLS/SUPPLIES

DIAMOND SAFETY FENCE

With standard "chain link" styling, this Safety Fence makes a clear "restricted access" statement to the public. CONTRACTORS'S Safety Fence for everyday construction needs.



- Double cross link construction
- Visible
- Tough and durable
- Lightweight, easy to handle
- Orange
- 4' x 100'

6010	1-5 rolls	\$59.95 per roll
	6+ rolls	\$54.95 per roll
	6010-ECONOMY	\$29.95 per roll

KRAFT 9" ALUMINUM TORPEDO MAGNETIC LEVEL - 3 VIALS



SC-50M..... \$15.95 each

EMPIRE PROFESSIONAL COMBINATION SQUARE

- Self-aligning drawbolt
- Hardened scriber
- Machined square head with full view



272-230 12" Blade, Steel.....\$10.25 each

EMPIRE FRAMING SQUARES



272-1110 24" Blade x 16" Beam, Steel \$7.50 each
 272-1140 24" Blade x 16" Beam, Aluminum \$12.95 each

SCOTCHBLUE™ PAINTERS TAPE

ScotchBlue™ Painters Tape for Multi-Surfaces 2090/06820 is extremely easy to work with. You can count on it to remove cleanly for up to seven days. And you can rely on its excellent performance job after job, surface after surface.



3M2090 2" x 60 yds.....\$9.95 per roll

DUCT TAPE

Cloth Duct tapes perform in the most critical and demanding applications associated with the removal of asbestos

- 2" x 60 yds



DUCT..... \$7.25 each

3M SCOTCHRAP 50

All-Weather Corrosion Protection Tape
 This 10 mil polyvinyl chloride (PVC) tape with a high-tach adhesive provides a corrosion and impact resistant seal for all-weather protection of metal piping systems above and below ground. Scotchrap has excellent UV resistance and a temperature rating of 176° (80° C). 3M Scotchrap 50 tape performs over a wide temperature range and is resistant to impact, abrasion and punctures.



**NOTE 3M Scotchrap Primer should be used with all corrosion protection tapes.*

**Primers available for above coatings and epoxies.*

3M00013	2" x 100' Unprinted 10/cs	\$16.95 per roll
3M10646	4" x 50' Unprinted 12/cs	\$34.95 per roll

NASHUA® ECONOMY GRADE GENERAL PURPOSE ELECTRICAL TAPE

Nashua® 777 Series Black 7 mil PVC Teflon Electrical Tape with rubber adhesive measuring 3/4" X 60' is ideal for household and industrial applications. Tape offers outstanding durability, adhesiveness and overall performance. Economical tape useful for a variety of electrical jobs up to 600V



UT-602 3/4" X 60', Black, 7 mil PVC.....\$.95 per roll

HARRIS INDUSTRIES 7 MIL VINYL ELECTRICAL TAPE

Harris Industries Black Electrical Tape measuring 3/4" X 60' is made of vinyl that offers flexibility and pliability. It is capable for adhering to irregular surfaces and allows outstanding usage for indoor as well as outdoor. Tape has wide applications in the field of general splicing, receptacles and harness wrapping. It is color coded for easy identification and is UL approved.



VE-75GREEN	3/4" X 66', Green, 7 mil Vinyl.....	\$1.00 per roll
VE-75ORANGE	3/4" x 66', Orange, 7 mil Vinyl.....	\$1.00 per roll
VE-75RED	3/4" X 66', Red, 7 mil Vinyl.....	\$1.00 per roll
VE-75WHITE	3/4" X 66', White, 7 mil Vinyl.....	\$1.00 per roll
VE-75YELLOW	3/4" X 66', Yellow, 7 mil Vinyl.....	\$1.00 per roll
VE-75BLUE	3/4" X 66', Blue, 7 mil Vinyl.....	\$1.00 per roll

PIPE THREAD TAPE OF PTFE

Pipe Thread Tape of PTFE provides a highly resistant seal on pipe threads for all types of service. This economy-grade tape works with several types of systems, and it permits easy disassembly, even after many years of service.



725-1/2X520	1/2" x 520'	\$2.50 per roll
725-1X520	1" x 520'	\$3.50 per roll

MASKING TAPE

- 2" x 60 yards

UT-77 2.....\$4.50 each



SURFACE SHIELDS

TOOLS

STEP N PEEL™ CLEAN MAT WITH BOARD

The Step N Peel™ Clean Mat is a polyethylene film mat with a tacky surface to remove dust and dirt from footwear. This unique product features a sturdy, reusable platform constructed of rigid polystyrene, available with a nonskid backing that holds it securely to surfaces such as carpeting, tile, concrete and more.

DG30W	30 Sheets, 25.5" x 31.5", White Frame Backer	\$51.95 per Pack
DGRC	24" x 30" 4 Refill Packs of 30 each (120 Total)	\$94.95 per Case
DGRC60	24" x 30" 4 Refill Packs of 60 each (240 Total)	\$139.95 per Case
*DGC-L	30 Sheets, 25.5" x 31.5", White Frame w/Custom Logo	\$62.95 per Pack



**Specific Art Requirements, Minimum order of 12. Call for details.*

CARPET SHIELD® TEMPORARY CARPET PROTECTION

Carpet Shield® is the best temporary carpet protection you can buy. It is a clear, self-adhering protective film for most types of carpeting and with a special blend of polyethylene, Carpet Shield® is highly resistant to tears or punctures and won't shift once applied. Ideal during remodeling, painting and moving, it minimizes clean up and damage claims.

CS24200L	24" x 200' Roll	\$49.50 per Roll
CS36200	36" x 200' Roll	\$69.50 per Roll



BUILDER BOARD™ HEAVY DUTY PAPERBOARD

Builder Board™ is the most durable floor protection product on the market. This product replaces the need for bulky sheets of Masonite and rolls out fast and flat. With the use of Liquid Shield™ technology, Builder Board™ is spill proof, defending against water, paint, mud and more. 100% recyclable.

BLDLS38100	38" x 100' Roll, Natural Color	\$71.95 per Roll
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DUST CONTAINMENT KIT

The Dust Containment Kit includes everything you need to build a secure temporary room or wall system. Included are four Dust Shield Pro poles, two Zip n Close zippers and a heavy duty canvas bag. Dust Shield Pro poles are extremely stable due to the durable material and micro adjustment feature. The zippers have an extremely aggressive adhesive on the back, ensuring that they will not come off and that debris will not escape. These are both lead containment products and will assist in working safely with lead.

DSPKIT	Red, (4) 12' Poles, (2) 1.5" Zippers	\$269.00 each
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ZIP N CLOSE®

Self-Adhesive Zippers

Create instant access to plastic enclosures and tarps with Zip n Close self-adhesive zippers. These user friendly zippers can be applied in just minutes forming a secure zipper door. Simply peel off the backing paper and apply to the desired entry location. Then cut through the entire length of the zipper opening using a utility knife.

ZA02	Red, 1.5" x 7"	\$15.50 pack of 2
ZC02	Blue, 2.75" x 84"	\$19.50 pack of 2



CUSTOMER NOTES:



PAVEMENT MAINTENANCE SUPPLIES

FAST DRY WATERBORNE ACRYLIC TRAFFIC PAINT - ALLSTATES COATINGS COMPANY

- Rapid drying acrylic latex
- High solids, environmentally advantageous
- Tough, durable, and attractive
- Able to stripe in early spring, late fall, and at night
- Consistent quality
- 5 gallon pail



ALT-628	Firelane Red	\$105.00 per pail
ALT-631	Black Out.....	\$79.75 per pail
ALT-632	White	\$79.75 per pail
ALT-633	Yellow	\$79.75 per pail
ALT-634	Handicap Blue	\$109.75 per pail

OIL FLOW

Quickly and effectively dissolves ready mix and concentrated coal tar sealers as well as:

- Asphalt
- Adhesives
- Cosmoline
- Latex Residues
- Heavy Grease and Oil
- Other Tough Contaminants



TARPEDO\$64.50 each

PAVEMENT MARKING STENCILS - HEAVY DUTY POLY MATERIAL

Available in Duro – 1/16" Thick Polyethylene Plastic or Maxi – 1/8" Thick Polyethylene Plastic.

HANDICAP STENCIL

39" Tall x 34" Wide x 4" Bar to D.O.T. specs.

S-3039D 1/16" Thick Duro \$47.95 each



LARGE ARROW KIT – 3 PC

- (1) Head, 42" Tall x 36" Wide
- (1) Straight Tail, 42" x 12"
- (1) Curved Tail, 42" x 24"



S-4090D 1/16" Thick Duro\$66.95 each

S-4220KD Std Kit, 2 piece (1 straight, 1 curved).....\$55.00 each

NUMBERS KIT – 12 PIECE

Includes 1-2-3-4-5-6-7-8-9-0 and two blanks

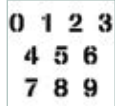
S-8040M 4", 1/8" Thick Maxi.....\$34.95 each

S-8060D 6", 1/16" Thick Duro.....\$39.95 each

S-8120D 12", 1/16 Thick Duro.....\$64.95 each

S-120192M 12", 1/8 Thick Maxi.....\$116.75 each

*Other Sizes and Material Available by Special Order



ALPHABET KIT - 28 PIECE

S-120928D 12", 1/16 Thick Duro.....\$185.95 each

COMMON LEGENDS

4" Letters – 1/16" Thick Duro

S-7041D-FL "Fire Lane"\$17.95 each

S-7041D-LZ "Loading Zone".....\$17.95 each

S-7041D-NP "No Parking"\$17.95 each

S-7041D-TAZ "Tow Away Zone"\$17.95 each

S-7041D-V "Visitor"\$17.95 each

S-4041D-R "Reserved"\$17.95 each

*Custom Legends Available by Special Order – Call for more info.

*Other Sizes Available – Call for more info.



FLEX-CRAC® COLD POUR CRACK SEALERS

ALT-651 Flex-Crac™

- Flexible and durable
- Excellent flow properties with no pinholing
- Seals cracks up to 1" wide in asphalt and concrete



0651 5 Gallon Pail \$69.95 each

PERMA-PATCH®

Perma-Patch® is a completely new type of paving material developed to fulfill a need to rapidly, safely, and permanently repair potholes, utility cuts, T.V. or fiber optic cable slots, and parking area problems. Suitable for use under adverse weather conditions and sub-freezing ambient road temperatures. It will bond equally well to dry, damp, or wet surfaces. Strongly adheres to stone, wood, steel, asphalt, and concrete; but at the same time, it does not adhere to rubber-tires.



PATCH.....\$19.95 each

ROAD RESCUE ASPHALT PATCH

Road Rescue® Asphalt Patch is designed specifically for patching and repairing potholes in roads, driveways, and parking lots. No matter if it is hot or cold, wet or dry, Road Rescue® can handle the task and is immediately ready for traffic! Road Rescue® is made from natural limestone rock asphalt that has a low specific gravity, which means that Road Rescue® will cover 35% more area than most other products on the market!



ROAD RESCUE 50lb Bag, Covers 7 sq feet.....\$17.50 per bag

SEAL COAT

Construction Safety Products stocks an inventory of GEM SEAL Seal Coating Material for our local contractors.



200A Gem Seal – Sold by the Gallon Call for current pricing.

SEAL COAT ACCESSORIES:

POLY TOUGH®

Latex Additive, modified for Coal Tar and Asphalt Emulsion Sealer

ALT-604 5 Gallon Pail..... \$110.25 per pail

BLACK ELIXIR® SEAL COAT ADDITIVE

Formulated to provide "Accelerated Cure Time"

ALT-659 5 Gallon Pail..... \$118.50 per pail

SEAL COAT SPRAY NOZZLES

8050 Spray Tip – 1/4 x 50 Opening.....\$7.95 each

8040A Spray Tip – 1/4 x 40 Opening.....\$7.95 each

8030 Spray Tip – 1/4 x 30 Opening.....\$7.95 each

"V" STYLE CRACK SQUEEGEE

- Reversible Push/Pull style
- "V" Shaped with a 5" ferruled throat
- Includes 5' handle



RV-1\$35.95 each

SQUEEGEES & BROOMS



Since its beginning, Magnolia Brush has been successful in achieving the goal of continued growth and profitability. Founded as the Houston Brush Company in 1907 in Houston, Texas, the company's commitment to employee safety, product quality, competitive pricing and superior customer service has allowed much success.

Currently located in Clarksville, Texas, the company occupies more than 100,000 square feet of floor space manufacturing over 500 different items by 85 full time employees. Sales continue to grow and distribution is made in all 50 states of the U.S.A. and in some foreign countries.

SQUEEGEES

CURVED SQUEEGEE WITH TAPERED HANDLE SOCKET

Aluminum frame with black rubber squeegee.
• Handle not included, (sold separately)



- 4630TP 30" wide.....\$29.95 each
- 4636TP 36" wide.....\$39.95 each
- C-60 Tapered 5' Handle\$5.95 each
- C-72 Tapered 6' Handle\$6.95 each

STRAIGHT SQUEEGEE WITH TAPERED HANDLE SOCKET

Aluminum frame with neoprene squeegee.
• Handle not included, (sold separately)



- 4124TPN 24" wide.....\$28.95 each
- 4224N Replacement Blade.....\$9.25 each
- C-60 Tapered 5' Handle\$5.95 each
- C-72 Tapered 6' Handle\$6.95 each

HEAVY DUTY STRAIGHT SQUEEGEE WITH STEEL BRACKET HANDLE

Aluminum frame with black rubber squeegee.
• Handle included



- 4124 24" wide.....\$29.95 each

ANCHOR BRAND® FLOOR SWEEP

Designed for sweeping purposes. Provides a clean and dust free floor. Sweep is an excellent option for floor cleaning. 50 lbs.



- FLOORSWEEP Oil Base.....\$23.95 each
- DC1-WB50 Wax Base.....\$42.50 each

BROOMS & BRUSHES

WHISK BROOM

This is the best quality whisk broom for home, automobile and office

- Made of selected fine broom corn
- Sewn two times
- Plated ring cap



- 0228.....\$4.50 each

WAREHOUSE BROOMS

Designed for sweeping smooth and rough surfaces having moderate to heavy dirt accumulation. Sewn 4 times and reinforced with a wire band.

- Made of 100% selected broom corn
- Constructed on a heavy-duty handle



- 5032A.....\$15.95 each

AFRICAN BASS STREET BROOMS



Recommended for use in wet or dry sweeping of dairy barns, highways, and streets. Constructed of specially treated African Bass fiber.

- Staple set in smooth sanded hardwood block
- Wide flare on ends allows close sweeping to curbs
- Length of trim: 6-1/4"
- Price does not include handle (sold separately)

- 1516P 16" Brush Head\$13.95 each
- C-60 Tapered 5' handle.....\$5.95 each
- C-72 Tapered 6' handle.....\$6.95 each

NEED TO SPECIAL-ORDER PAVEMENT PRODUCTS?

CALL OUR FRIENDLY AND KNOWLEDGEABLE SALES CONSULTANTS FOR ANSWERS TO ANY QUESTIONS YOU MAY HAVE: 1-800-592-6940



PLASTIC BROOMS - BROWN OR OSHA ORANGE

Recommended for use in wet or dry sweeping of dairy barns, highways, and streets. Constructed of specially treated African Bass fiber.

- Staple set in smooth sanded hardwood block
- Wide flare on ends allows close sweeping to curbs
- Length of trim: 5"
- Price does not include handle (sold separately)



1616	16" brown broom head	\$14.95 each
1316-0	16" OSHA orange broom head	\$14.95 each
C-60	Tapered 5' handle	\$5.95 each
C-72	Tapered 6' handle	\$6.95 each

NO. 56 LINE FLOOR BRUSH

An all-around brush for sweeping concrete, wood, asphalt composition, etc. Coarse plastic sweeps heavy dirt, fine plastic sweeps fine dirt.

- Staple set in clear-lacquered hardwood block
- Includes 60" handle (M-60)
- 3" Trim length



5624A	24" with handle	\$21.95 each
5630A	30" with handle	\$30.75 each
5636A	36" with handle	\$32.95 each

NO. 37 LINE FLOOR BRUSH

Designed for sweeping fine grit and dirt from smooth, highly polished floors, varnished wood or smooth concrete. Constructed of silver flagged-tip plastic.

- Staple set in clear-lacquered half-round hardwood block
- Do not use with oil base sweeping compound
- Includes 60" handle (M-60)
- 3" Trim length



3736	36" with handle.....	\$32.95 each
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BLACK TOP APPLICATOR BRUSH

This cream-colored polypropylene brush is designed for applying sealant and blacktop material.

- Filling material not affected by sealants or petroleum products
- Staple set in smooth hardwood block
- Handle not included (sold separately)
- Length of trim: 2"



5336PL	36" broom head	\$11.95 each
99-BRACE	Heavy-duty handle brace.....	\$4.25 each
M-60	15/16" x 60" Threaded Handle	\$4.95 each
M-72	15/16" x 72" Threaded Handle	\$5.95 each

CONCRETE FINISHERS BROOMS

This horsehair floor brush was specially designed for applying a fine finish on newly poured concrete.

- Staple set in clear lacquered hardwood block
- Three rows of filling material
- Length of trim: 3"
- Handle not included (sold separately)



2148-H	48" broom head	\$53.95 each
M-60	Metal thread handle (60")	\$6.00 each
M-72	Metal thread handle (72")	\$5.95 each

NO. 29 LINE CONCRETE FINISHING BRUSHES

This pure horsehair floor brush was specially designed for applying a fine finish on newly poured concrete.

- Staple set in clear lacquered half-round hardwood block
- Length of trim: 2-1/2"
- Handle included
- Lightweight



2924	24" broom with handle.....	\$38.50 each
2936	36" broom with handle.....	\$62.95 each

CARBON STEEL WIRE STREET PUSH BROOM

For thorough sweeping of asphalt and concrete before applying black-top sealant, and sweeping loose pea gravel and dirt from roofs.

- Staple set in smooth sanded hardwood block
- Wide flare on ends allows close sweeping next to curbs
- Length of trim: 3-3/4"
- Handle not included (sold separately)



3916	16" broom head	\$24.95 each
C-60	Tapered 5' handle.....	\$5.95 each
C-72	Tapered 6' handle.....	\$6.95 each

Need Something you don't see here?

Call US!

1-800-592-6940

BRUSHES

VEHICLE WASH BRUSH

This high-quality brush is recommended for use on all types of vehicles, however, some finishes are more susceptible than others to scratches so test before using.

- Staple set in clear lacquered hardwood block
- Green flagged nylon bristles
- Length of trim: 2-1/2"
- Handle not included (sold separately)



3033	10" Brush Head	\$16.50 each
C-60	Tapered 5' handle.....	\$5.95 each
M-60	Metal thread 5' handle.....	\$6.00 each

NO. 55 LINE GARAGE BRUSH

This green polypropylene brush is ideal for wet or dry sweeping of rough concrete or asphalt floors. Filling material not affected by water, oils, or grease

- Staple set in clear lacquered hardwood block
- Handle included
- Length of trim: 3-1/4"



5524	24 inch	\$26.95 each
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PAINT BRUSH

- White Chinese bristles vulcanized in rubber
- double thickness
- smooth sanded handle with tin ferrule
- 4" wide.



1000A	1-5.....	\$3.40 each
	6-11.....	\$3.00 each
	12+.....	\$2.75 each

WATER PAINT BRUSH

High grade white tampico fiber brush recommended for the professional contractor.

- Staple set in clear lacquered hardwood block with 6-3/5 "handle attached
- 4" trim length
- 5 rows, heavily filled



561.....	\$7.25 each
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SEAL COAT BRUSH

Cream-color polypropylene fiber is recommended for applying seal coating, cement slurry, water-proofing, etc.

- Staple set in 6"L x 1-1/16" W wax tumbled hardwood block
- 3-1/8" trim length
- 3 x 14 rows



0568.....	\$4.95 each
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HANDY CLEANING BRUSHES

These brushes are designed for general cleaning in the metal plating and finish industries.

- Staple set in toothbrush style plastic handle
- Block size: 7"L x 7/16" W
- 1/2" trim length



EC-270	Long Handle (wire)	\$1.25 each
271A	Brass Cleaning Brush	\$1.95 each
272	Nylon Cleaning Brush	\$1.95 each

WIRE SCRATCH BRUSHES

A round carbon steel wire is staple set in smooth wax tumbled hardwood block.



0001-S	14" Curved Handle, Carbon Steel.....	\$3.50 each
0004-S	10" Shoe Handle, Carbon Steel	\$3.25 each
0009-S	10" Shoe Handle, Stainless Steel.....	\$4.95 each

CHIPPER BRUSHES

- 100% White bristles
- Smooth sanded wood handle with tin ferrule

1500-1/2	1/2"	\$0.35 each
1500-1	1"	\$0.50 each
1500-1-1/2	1-1/2"	\$0.55 each
1500-2	2"	\$0.60 each
1500-2-1/2	2-1/2"	\$0.75 each
1602-3	3"	\$0.85 each
1601-4	4"	\$2.25 each



JUSTRITE SMOKERS CEASE-FIRE CIGARETTE RECEPTACLE

Utilizing Justrite's proven Cease-Fire technology, the Smokers Cease Fire innovative self-extinguishing design safely collects unsightly cigarette butts and reduces the risk of fire. Made of flame-retardant, sturdy polyethylene, this low maintenance smoker's friend won't rust, dent, or crack. Unique rain bonnet opening keeps rain out and discourages other trash. Simply lift off lid to empty big galvanized steel pail inside. Tie-down notches offer security and greater stability under severe weather conditions. In high humidity environments, unique "drip-lip" internal construction prevents tar condensation from escaping. Factory Mutual fire tested and approved!



JTR 26800B	Adobe Beige	\$79.95 each
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KRAFT CONCRETE TOOLS

KRAFT TOOL KUMALONG HEAVY DUTY CONCRETE SPREADER W/HOOK

- Made of 12 gauge, cold rolled steel
- Blade measures 20" x 5"
- 60" Wood Handle



CRH\$21.95 each

TIE WIRE TWISTER

- Designed to twist wire bar ties with a minimum of effort
- Lets you do the job right, quickly and safely
- Fitted with a wood handle



GG310 Hook and Twist by Hand \$6.95 each
GG325 Hook and Pull \$29.95 each

MAGNESIUM BULL FLOATS (4-HOLE)

- Made of Magnesium, lightweight and longer lasting than aluminum alloy
- Float blade is "broken-in", curved and balanced to prevent digging



CC802 48" x 8", Square Ends\$126.95 each
CC803 48" x 8", Round Ends\$138.50 each

EZY-TILT® II DOUBLE ACTION FLOAT BRACKET, 6 HOLE

- Fits all 2 and 4 hole configurations (Ezy-Tilt® II)
- Made of rugged lightweight aluminum
- One to one turning ratio of handle and pitch of blade



CC294\$66.50 each

1-3/4" DIAMETER ALUMINUM BUTTON HANDLES

- Removable insert type button style extension handle
- Lightweight aluminum button handles
- For use with Kraft Double Tilt Action float bracket



CC289 6' Button Handle with Insert\$24.50 each
CC289S 6' Button Handle, Swaged\$22.50 each
CC286 Adapter, Female Threaded to 1-3/4" Button Handle...\$14.80 each
CC291 10' Button Handle with Insert\$39.50 each

EZY-TILT® ADAPTER

Adapts Broom and Fresno Bracket to Any Button Handle Adapter

- Accepts 1-3/8" and 1-3/4" diam button handles to fit fresnos, brooms, walking edges and groovers



CC295\$18.25 each

G' X 1-3/4" DIAMETER MAGNESIUM HANDLE

- 6 Foot threaded style extension handle
- 30% Lighter Than ALUMINUM!
- Magnesium prevents hands from turning black caused by oxidation



CC226\$28.95 each

BIG BIT BRONZE HAND GROOVER

- 3/4" Deep Bit, 7/8" Wide Bit, 3/8" Radius
- 100% Bronze, cuts smooth clean grooves



CF304\$37.95 each

MAGNESIUM HAND FLOATS

- Extruded Hand Float with wood handle
- Tough durable Extru-Lite Magnesium blade
- Float ends are beveled and the blade is "broken-in" with rounded corners



CF014 14" x 3-1/4"\$18.95 each
CF016 16" x 3-1/4"\$20.95 each
CF018 18" x 3-1/4"\$22.95 each
CF016PF 16" x 3-1/4" with Pro-Form Handle.....\$24.95 each

BULL FLOAT GROOVER ATTACHMENT

- 1-1/2" Bronze Bull Float Groover Attachment
- Fits any 8" wide Bull Float Groover attachment
- Attaches with two thumbscrews
- Mount as many groovers as needed



CC942\$33.50 each

CEMENT EDGERS

- Stainless Steel
- Sidewalk & Highway Edger



CF165 6" x 4", 1/2" Radius and 5/8" Lip \$8.95 each
CF173 6" x 4", 3/8" Radius and 1/2" Lip..... \$8.95 each

MAGNESIUM SCREED

- Made of Genuine Extru-Lite Magnesium
- 30% lighter than aluminum
- Built for strength and rigidity



CC612 12' x 1-1/2" x 3-1/2"\$190.00 each
CC416 16' x 2" x 4"\$264.50 each
CC417 20' x 2" x 4"\$342.00 each
CC614 1.5" x 3.5" x 14"\$220.00 each
CC616 1.5" x 3.5" x 16"\$225.00 each



KRAFT CONCRETE TOOLS

BRICK TROWEL

- Taper ground for flexibility
- One piece forging
- Wood Handle



BL707 12" x 5"\$27.75 each

CEMENT TROWELS

- Compression fit stainless steel rivets
- Guaranteed "NO TURN" handle design locks handle to mounting
- Straight Wood Handle



CF217 14" x 4"\$26.95 each
 CF220 16" x 3-1/2"\$28.95 each
 CF222 16" x 4"\$29.25 each
 CF227 18" x 4"\$31.95 each

BODARK WOOD HAND FLOAT



CF643 16" x 3"\$15.25 each

BRONZE GROOVER FRESNO ATTACHMENTS

- Fits any 5" Wide Fresno Groover Attachment
- Great for making safety grooves
- Carbon steel blade with rounded corners



CC623 1/2" x 6"\$15.75 each
 CC625 3/4" x 6"\$16.75 each

FLUTED RUB BRICKS

- 20 Grit Fluted Rub Brick
- Fluted silicon carbide rub bricks with a contoured handle to minimize fatigue
- Preferred by finishers for fast and easy concrete smoothing and dressing down



CF283 6" x 3" x 1"\$15.25 each
 CF268 8" x 3-1/2" x 1-1/2"\$19.95 each

OUTSIDE CURB NOSE TOOL

- Outside hand step tool
- 1-1/2" batter at 6"
- Made of blue crucible spring steel
- Proform Soft Grip Handle



CF580PF 9" x 5", 5-1/2" Radius and 5" Lip\$19.95 each

MAGNESIUM CURB STRAIGHT DARBY

- Hand & Curb Magnesium Darby w/2 Wood Handles
- Made of lightweight Extru-Lite Magnesium, designed for curb work
- T-Channel design gives the finisher the option of adjusting handle



CF041 36" x 3-1/4"\$164.00 each

POINTING TROWELS

- One piece forged
- Tempered, ground and polished for perfect balance
- Wood Handle



GG421 4" x 4 1/4"\$13.75 each
 GG422 5-1/2" x 2-2/2"\$13.75 each

8" X 4" RUBBER FLOAT

- Wood Handle
- Molded sponge rubber
- Very dense texture
- Coarse cell float



PL-395 Black\$9.95 each

MARGIN TROWEL

- One piece forged
- Tempered, ground and polished for perfect balance
- Wood Handle



GG434 6" x 2"\$14.85 each
 GG432 5" x 2"\$13.75 each

PAVER'S STRAIGHTEDGE

- A lightweight durable, accurate straightedge and checking tool
- Easy to handle, which makes inspection easy



CC710 Aluminum, 1" X 2" w/10' Handle & Braces\$147.50 each
 CC714 Magnesium, 2" X 4" w/10' Handle & Braces\$468.00 each

KEYHOLE PAVER'S STRAIGHTEDGE

Unique keyhole design provides strength to this 120" straightedge. Sturdy highway straightedge and checking tool in one is made from Genuine Extru-Lite™ Magnesium, which is 30% lighter than aluminum. The tool comes complete with braces to provide support along the expanse. A Knucklehead® II bracket (CC296) attaches the 10' button handle (CC291) to the straightedge. A roller bearing collar makes adjustments easy. Packing up your tools is easy with a new quick release pin on the end of the braces. Proudly made in the USA.



CC721 2-1/2" x 4-1/2" x 10' Straightedge\$384.95 each
 CC296 Knucklehead II Bracket\$69.95 each
 CC291 10' Button Handle\$39.50 each

WALKING EDGERS

- Made of heavy gauge stainless steel
- Reinforced with electrically welded back plate
- 3/8" Radius & 1/2" Lip



CC351 8"x5" w/ Thread Socket Bracket\$37.95 each
 CC370 10" x 6" w/ 60" Wood Handle\$52.50 each

MARSHALLTOWN FINISHING TROWEL

- 12-inch x 4-inch Finishing Trowel
- Durasoft Handle
- Highest Grade Spring Steel Flexible Blade
- Aluminum Alloy Mounting For Concrete Finishing
- Made In USA



13209\$39.95 each



MARSHALLTOWN MAG LUTE/RAKE WITH T-CONNECTOR

- Durable construction
- Includes 1-3/8" aluminum handle
- All parts easily replaceable
- Blunt Tooth 36" Wide Blade



37160	7' x 36" Lute	\$59.50 each
24497	7' Replacement Handle.....	\$22.50 each
24484	7' Handle Connector Only.....	\$19.95 each
24505	36" Replacement Blade, Blunt Tooth	\$24.50 each
24506	36" Replacement Blade, Sharp Tooth.....	\$24.50 each

MARSHALLTOWN 60" POWDER COATED STEEL TEXAS PLACER WITH HOOK

- 12-gauge powder coated steel
- Handle bolts to blade for easy replacement
- Ships assembled
- 60 X 1-1/4" hardwood contoured handle with hook



TP159H.....\$23.95 each

KRAFT ASPHALT LUTE

- Cast Aluminum Blade Support
- Improved asphalt lute has standard pointed teeth letting asphalt flow through
- NEW lightweight bracket holds blade in place



GG836	7' x 36" Lute	\$61.25 each
GG836-01	36" Replacement Blade	\$26.95 each

PLASTIC MOP BUCKET COMBO WITH WRINGER

- 25 Qt. Yellow mop bucket with durable wringer
- Corrosion resistant bucket
- Wringer is resistant to cleaning materials
- No cracks or crevices to collect dirt



6035-3	.....	\$66.95 each
4924B	Industrial Grade Mop Head	\$9.50 each
91	54" Replacement Handle	\$10.95 each

MULTIQUIP WALK BEHIND TROWEL

4-blade, 46", Honda GX270, 8.5 HP, 60-130 RPM blade speed

- 46-inch (1170mm) guard ring diameter
- Trowel covered by 1-year limited warranty
- Front access panel provides quick access to trowel arms and blades
- Center mount lifting bale included
- Spider and thrust collar assembly design simplifies routine maintenance
- Gearbox features top quality components & large oil capacity for years of trouble-free performance
- Optimally balanced for smooth finishing



B46H90	Walk Behind Trowel.....	\$3,044.00 each
QXH	Optional QuickPitch™ Handle	\$580.00 each

NOW WITH 5 LOCATIONS TO SERVE YOU BETTER!

CHAPIN® INDUSTRIAL VITON® CONCRETE OPEN HEAD SPRAYER

3.5 gallon TriPoxy coated Sprayer with Viton™ Seals for the Concrete Professional

- Viton® seals and Gaskets
- TriPoxy Steel Tank with Large Tri-Lock opening
- Brass Spray handle, wand and Nozzle
- Brass Pump

1949 3.5 gallon Sprayer\$129.95 each



REPLACEMENT PARTS FOR 1949 CONCRETE OPEN HEAD SPRAYER

P/N	part name	description	Price
6-4627	Industrial Repair Kit	Genuine Chapin industrial Seal and Gasket Kit. For use with Industrial open head sprayers.	\$15.95
6-5797	Brass Nozzle Assembly	.5 GPM Industrial Fan Tip w/ Adapter - Female	\$6.95
6-6091	48" Replacement Hose w/fittings	Genuine Chapin replacement 48" hose for sprayers with a threaded brass connection to tank.	\$28.95
6-7703	24" Brass Curved Sprayer Wand	Genuine Chapin replacement 24" curved brass wand with male nozzle thread. Will adapt to any brass discharge.	\$13.95



MARKING TAPES

REFLECTIVE TAPE

Provides a pressure sensitive retro-reflective sheeting that meets Federal Specification L-S-300C. Reflectivity 3 and FP-79 Type 1. Ideal for roadside hazards, such as mailboxes, parking lot obstructions, or denoting locations of electrical panel boxes, fire extinguishers, etc.



Part Number	Size	Description	Price per Roll
2BR-19	3/8" x 50 yards	White	\$13.95
2BR-20	1/2" x 50 yards	White	\$17.95
2BR-22	3/4" x 50 yards	White	\$22.95
2BR-23	1" x 50 yards	White	\$31.25
3290-2	2" x 50 yards	White	\$52.50
3290-3	3" x 50 yards	White	\$86.95
3290-6	6" x 50 yards	White	\$119.95
3271-1	1" x 50 yards	Yellow	\$31.25
3271-2	2" x 50 yards	Yellow	\$52.50
3271-4	4" x 50 yards	Yellow	\$99.95
3272-1	1" x 50 yards	Red	\$31.25
3272-2	2" x 50 yards	Red	\$62.50
3272-4	4" x 50 yards	Red	\$99.95

*Other colors and sizes available.

COLOR CODING TAPE (FLOOR TAPE)

Tough, scuff resistant, vinyl plastic, combined with quick-stick adhesive and bright colors make this product excellent for the following applications: electrical coding, pipe coding, aisle marking, designating physical hazards and caution areas.



Comes in a wide variety of colors to comply with OSHA standards, 1910-144. 2" x 36 yards.

704R	Red.....	\$6.95 per roll
7040-O	Orange	\$6.95 per roll
704Y	Yellow	\$6.95 per roll
VM102-BK	Black	\$6.95 per roll
VM102-LB	Light Blue	\$6.95 per roll
VM102DG	Dark Green	\$6.95 per roll
VM102WT	White	\$6.95 per roll
VM102DB	Dark Blue	\$6.95 per roll

*Other colors and sizes available.

STRIPED OR CHECKERBOARD WARNING TAPES

- PVC warning tape has bright, durable printed stripes or checkerboard pattern protected by a laminated clear film providing maximum resistance to the elements. 2" x 18 yards.
- Each roll is color coded for specific OSHA hazards such as physical hazards, fire protection equipment, housekeeping areas, and radioactive materials or areas.



750B/W	Black and White Striped	\$10.95 per roll
750B/Y	Black and Yellow Striped.....	\$10.95 per roll

*Other colors and checkerboard patterns available.

NON-SKID SAFETY TAPE

Maximum skid resistance is provided by a finely ground mineral particulate surface. This low profile, high strength, water resistant, plastic backed tape with a quick tack adhesive meets non-slip safety standards. Used for steel ramps, shop floors, ladders, stairwells, truck and vehicle bumpers, loading ramps, or any high traffic area that needs a non-slip surface.



AS-2	2" x 60', Black	\$22.95 per roll
AS-4	4" x 60', Black	\$41.95 per roll
AS-6	6" x 60', Black	\$59.95 per roll
ASC-2-Y	2" x 60' Yellow	\$29.95 per roll
ASC-2-R	2" x 60' Red	\$29.95 per roll
AST-3	3" x 60 Yards, Yellow/Black.....	\$48.95 per roll

REFLECTIVE TRUCK TAPE

Federal mandate requires all new trailers to be equipped with 2" wide hi-bright reflective tape.

- Tape must run along both sides and rear of the trailer.
- Alternating 11" red and 7" white, pressure sensitive tape. 600 candelas bright.



663RS	2" x 150'	\$129.95 per roll
DOT2CR-FT	Sold by the foot.....	\$1.50 per foot

DETECTABLE UNDERGROUND WARNING TAPE

- 2" x 1000' rolls.
- Imprinted with black ink.
- 5 mil tape with .5 mil aluminum center core.
- Legend reads:
"CAUTION BURIED _____ LINE BELOW"
- Conforms to APWA Uniform Color Code, OSHA Regulation 1926-956©(1) covering the location of Underground Utility Lines, Federal Gas, Safety Regulation S-192-321©, NTSB-PSS-73-1, GSA Public Service Guide, American Gas Association 72-D-56, DOT Office of Pipeline Safety USAS B31.8, API RP 1109.



D2105-B	WATER – Blue	\$24.95 per roll
D2105-G	SEWER – Green.....	\$24.95 per roll
D2105-R	ELECTRIC – Red.....	\$24.95 per roll
D2105-Y	GAS – Yellow	\$24.95 per roll
D2105-O	FIBER OPTIC – Orange.....	\$24.95 per roll

PHOTOLUMINESCENT TAPE

Safety Grade, Glow in the Dark tape is a long-lasting photoluminescent, pressure-sensitive tape that helps to delineate a safe escape route when the lights go out. This Safety Grade material absorbs and stores energy from any ambient or UV light source, providing an illumination time of 6+ hours in the event of an emergency. Tape is non-toxic, non-radioactive and UV stable.



GL-1 (1" x 10 yards)	\$14.95 roll
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MARKING SUPPLIES

SEYMOUR STRIPE WATER BASED TRAFFIC MARKING PAINT

A permanent traffic marking paint that is durable and yields approximately 250 linear feet per can (4" wide stripe). Traffic ready in 60 minutes. Makes stripes 2"-4" wide with #Z-604 traffic machine. The universal sprayhead also works in competitive marking machines.

- 20-642 White \$5.95 each
- 20-646 Yellow \$5.95 each
- 20-647 Red..... \$5.95 each
- 20-648 Light Handicap Blue..... \$5.95 each
- 20-649 Dark Handicap Blue \$5.95 each



SEYMOUR STRIPE ATHLETIC FIELD MARKER

A long lasting athletic field paint that makes sharp, well defined stripes in one application. Dries in 15 minutes, is VOC compliant, and is safe for grass. One can will stripe approximately 300 linear feet (@ 4" wide stripe). The universal sprayhead also works in competitive marking machines.

- 20-644 White\$5.95 each



STRIPE MACHINE

Designed exclusively for Stripe Traffic paints, this easy to use machine applies crisp, even 2-4" lines on any hard surface.



- Z-604\$179.95 each

MARKING WAND

For use with a variety of Stripe inverted tip marking paints (those with a straight tip). This lightweight tool is ideal for a wide range of precise marking applications.



- Z-606\$47.95 each

EASY TRIGGER SPRAY GUN

This tool attaches to any standard upright spray can and makes large jobs less painful. No more sore index fingers from holding the sprayhead down for long periods of time. Give any job the professional application it deserves.



- Z-13\$7.95 each

MARKING WAND (HAND-HELD MODEL)

For use with a variety of Stripe inverted tip marking paints (those with a straight tip). This lightweight tool is ideal for a wide range of precise marking applications.



- Z-605\$43.95 each

BRITE-LINE DELTALINE® TWR MARKING TAPE

Deltaline® TWR Marking Tape is an easy to install completely removable means of providing the highest level of reflective performance for temporary roadway delineation. The composition of Deltaline® TWR is designed to provide superior high performance wet night reflectivity and daytime visibility for Portland cement and bituminous surfaces. Deltaline® TWR is intended primarily for construction zones that may be opened to traffic immediately after application.

- 1030W04360 White - 4" x 360' \$299.95 each
- 1030Y04360 Yellow - 4" x 360' \$299.95 each



PAVEMENT MARKING TAPE

- Marking tape for temporary road application. Rolls are aluminum backed with hi-tack adhesive.
- Special High-Index glass beads made from virgin chemicals create maximum reflectivity.
- Pre-coated adhesive backing allows for immediate installation. Traffic lanes can be opened as soon as tape has been tamped down.
- Application can be accomplished by hand or mechanical means.
- Standard roll sizes are 4" x 50 yards for Wet Reflective Tape.



- 300-WF White \$54.95 each
- 300-YF Yellow \$54.95 each

DETECTABLE WARNING SYSTEMS

REDIMAT™ SURFACE APPLIED DETECTABLE WARNING MATS

The original surface applied RediMat detectable warning is constructed of extremely durable, UV protected polyurethane. This flexible mat has a proprietary pre-applied adhesive system that enables installation in less than 10 minutes, drastically reducing labor time and expense, but not at the cost of durability.



No adhesives to apply – simply remove protective backing, exclusive peel & stick technology

Installs on both asphalt and concrete – multi-surface adhesive system

Conforms to uneven surfaces – flexible polyurethane material

Unbreakable – will not chip, crack or splinter

Beveled Edge – for easy pedestrian access

Includes stainless steel anchors to meet DOT requirements

B2040YM	2' x 4', Yellow.....	\$155.00 each
RMFWY-EA	Replacement Washers.....	\$0.15 each
RMFSCREWS-EA	Replacement Screws.....	\$0.35 each

<p>Hardness – 90 (Shore A) Stain Resistance – No significant change Dome Spacing – Inline, 2.35" Slip Resistance - .90 Taber Abrasion – 1000gms/1000 cycles_ 150mgs Color – Integral Throughout</p>
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ALERTCAST® DETECTABLE WARNING

AlertCast® is a glass-reinforced thermoset composite engineered for superior impact resistance, slip resistance, wear resistance and long-term durability. The exclusive design incorporates a top panel of superior slip-resistant truncated domes and bottom docking anchors that are embedded into wet concrete.



Replaceable, uses patented PENETRATOR anchoring system – simple wet concrete installation with minimal aggregate displacement and maximum holding capabilities. Easy tile replacement should the need arise.

Premium UV Treatment – ensures long term color retention

Superior strength and impact resistance – reinforced to over 30,000 psi, yet lightweight

All weather performance – hot and cold climate superiority

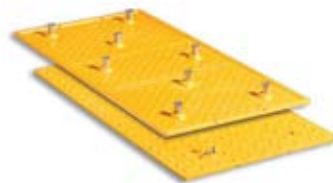
Delivered ready to install – anchors in place, protective sheeting with attached installation instructions in English and Spanish

AC-2448-Y	2' x 4', Yellow.....	\$149.00 each
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<p>Compressive Strength – 30,000 psi Flexural Strength – 18,000 psi Dome Spacing – 2.35" Center to Center Slip Resistance – Dry = 1.03/Wet = .83 Freeze/Thaw Durability – Pass – No Change Color – Integral Throughout</p>

ADA SOLUTIONS CAST IN PLACE DETECTABLE WARNING TILE

- For use in new curb ramps or new construction
- Pressed into place in freshly poured concrete
- Plastic sheeting protection covers entire surface of Cast-In-Place Tile



Made of a colorfast and UV stable homogenous glass and carbon composite with fiberglass truncated domes for enhanced durability. The only 100% replaceable Detectable Warning product on the market. Full compliance with ADAAG, PROW and California Title 24 Requirements. Approved for use by all major municipalities, DPW's and state DOT's.

2448REP-1	Yellow, 24" x 48".....	\$149.00 each
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CUSTOMER NOTES:



PAVING & CONTRACTOR SUPPLIES

BARGARD® PROTECTOR CAPS

These lime-colored bargard protector caps serve as an excellent warning for hazards such as exposed rods, rebar, pipe-ends or stems by making them more visible and easier for personnel to avoid. Color subject to availability. 3/8"-1.25"



A-10	1-99.....	\$0.65 each
	100+.....	\$0.50 each

OSHA REBAR CAPS

These OSHA Rebar Caps meet the requirements of Federal OSHA 1926.701 (B) and California OSHA Section 1712. Prevents hazardous impalement of a 250 lb. worker from a height of 10 feet. The cap is to be placed on individual vertical rebar and fits sizes #3-#8 rebar. The fins in the collar secure the cap to the individual rebar. Color subject to availability.



23707	1-99.....	\$3.50 each
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BAR TIES

- Pack of 5,000
- 17 Gauge



0497550	4" Bar Ties.....	\$42.95 pack
0497561	5" Bar Ties.....	\$44.95 pack
0497563	6" Bar Ties.....	\$56.00 pack
0497565	8" Bar Ties.....	\$63.85 pack

AERVOE REBAR EPOXY PAINT

A high-performance, single system epoxy coating that is specially designed for touch-up or as an initial coating of rebar. 16 oz Can

- Prevents rust and the resulting stains when applied to rebar before setting in concrete
- Meets ASTM D3963 specifications
- Excellent color retention
- Tough, durable finish
- Very good resistance to corrosion, chemicals, gasoline, and abrasion
- Prevents oxidation with touch-up or sheared ends, cuts and other exposed areas
- Performs at temperatures up to 300°F (149°C)



156	Green.....	\$6.95 per can
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ANVIL AMERICAN PAVING STRINGLINE CORD

- Low Stretch
- High Strength
- Zero Water Absorption
- Resistant to sunlight, acids, oils and gasolier
- Yellow, 1000 feet



SL141-1	1/8" Diamond Braided Polyester w/ core.....	\$57.50
SL142-1	1/8" Diamond Braided Polyethylene w/core.....	\$67.50

PLASTIC HIGH CHAIRS

2-1/4" Plastic, 500/bag



497535	\$27.95 per bag
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EMPTY SANDBAGS

14' x 26" with tie



100A	White.....	\$.70 each
	100+.....	\$.60 each
100A-Green	Green.....	\$1.15 each
	100+.....	\$.95 each

MARMAC TIE WIRE

- 16 gauge
- 3.5 lb Roll



MM-TIEWIRE	\$4.50 roll
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WIRE REEL FOR TIE WIRE

- Lightweight, but strong
- Will not chip, crack or break
- Safety yellow plastic
- Fits any standard belt



GG309	Yellow.....	\$20.95 each
GG311	Gray.....	\$33.95 each
GG310	Hook and Twist by Hand.....	\$6.95 each
GG325	Hook and Pull.....	\$29.95 each

SPEED BUMPS & CAR STOPS

- Hardware included
- Made of recycled materials



SPEED	Speed Bump - 6' x 9" x 2", Yellow.....	\$109.95 each
XPSTOP	Car Stop - 4" x 6" x 6", Yellow.....	\$74.95 each
XPSTOP-BLUE	Car Stop - 4" x 6" x 6", Blue.....	\$74.95 each

BOLLARD COVERS

Ideal Shield's Dome Top Bollard Covers are a great alternative to painting bollards. Easy to install and available in various colors. Fits 4", 6", and 8" pipe. 2 pieces of tape included for fast installation. Permanent installation method ensures a secure fit and reduces theft. High visibility increases safety against damage and injury.



BC452	4" x 52", Yellow.....	\$57.95 each
BC460-R	4" x 60", Red.....	\$39.95 each
BC642BL	6" x 42", Blue.....	\$39.95 each
BC660B	6" x 60", Blue.....	\$39.95 each

*Other sizes and colors available. Call for pricing.

FENCE & FABRIC

GEOTEXTILES (PAVING FABRICS)

Loss of roadbase subgrade due to subgrade soil contamination is the leading cause of failure. This contamination can happen quickly over soft or wet soils, but still develops even over competent subgrades. Once some of the original road structural section is lost to contamination, the road progressively fails due to inadequate support for the traffic loading.

When placed at the subgrade/roadbase interface, geotextiles provide four functions to enhance roadway performance: separation, stabilization, reinforcement and drainage. AASHTO M288, the national guideline specification for geotextiles in transportation applications, recommends woven and nonwoven geotextiles for separation and stabilization.

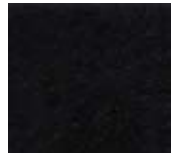
WOVEN TEXTILES



12.5' x 432.4' (600 sq. yds.) - 4.5 oz SKAP-W200-150	\$440.00 per roll
15' x 360' (600 sq. yds.) - 4.5 oz SKAP-W200-180	\$440.00 per roll
12.5' X 360' (500 sq yds) - 6.5 oz SKAP-W315-150	\$510.00 per roll
15' X 300', (500 sq yds) - 6.5 oz SKAP-W315-180	\$510.00 per roll

**(Also available in 17.5' widths. Call for prices.)*

NON-WOVEN TEXTILES



12.5' x 360' (500 sq. yds.) - 4 oz SKAP-GT140-150.....	\$395.00 per roll
12.5' x 360' (500 sq. yds.) - 8 oz SKAP-GT180-150.....	\$545.00 per roll
15' x 300' (500 sq. yds.) - 7 oz SKAP-GT170-180.....	\$552.00 per roll
12.5' x 360' (500 sq. yds.) - 7 oz SKAP-GT170-150.....	\$563.00 per roll
15' x 300' (500 sq. yds.) - 8 oz SKAP-GT180-180.....	\$575.00 per roll

**Please call for more information and specs.*

POLYETHYLENE SHEETING

Used as a vapor barrier and other uses. Prices subject to change based on market condition.

6-20	6 mil - 20' x 100' - Clear	\$94.95 per roll
6-20X100BLK	6 mil - 20' x 100' - Black	\$84.95 per roll
6-40X100	6 mil - 40' x 100' - Clear	\$215.95 per roll
6-40X100BLK	6 mil - 40' x 100' - Black	\$197.95 per roll
4-20	4 mil - 20' x 100' - Clear	\$69.95 per roll
4-10X100	4 mil - 10' x 100' - Clear	\$33.95 per roll
10-20X100	10 mil - 20' x 100' - Clear	\$166.50 per roll
10-20X100BLACK	10 mil - 20' x 100' - Black	\$166.50 per roll

PIPE WRAP

• Used to wrap pipe joints to prevent sediment intrusion

1004835	36" x 360', Black	\$99.95 per roll
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KRAFT PAPER

• Used for paving applications
• 36", 60 lb.

KP36-60.....	\$48.95 per roll
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STAPLES

• 11 Gauge
• Box of 1000

078.0080	6" x 1" x 6"	\$46.95 per box
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SILT FENCING

Silt fencing helps to prevent surface erosion and slippage on steep grading. Can also be used as a temporary retaining wall. Constructed of sturdy woven polypropylene material. Meets or exceeds Department of Transportation specifications.



DR3-G	3' x 100', wire back, 4" x 4" opening, 14 gauge wire	\$44.95
DR3-G12	3' x 100', TX DOT, No Posts w/wire, 2" x 4" opening, 12 gauge wire	\$67.95
MR3	3' x 100', Woven w/11 Stakes	\$24.95
DR3-1500	3' x 1,500', w/core	\$205.75/Roll
MR3-DOT	3' x 100', LA DOT, w/13 Stakes on 6' centers, 100 gram	\$36.00/Roll

T-POSTS

Painted or unpainted T-Posts available in varying weights

TP40LM	4 Foot -- .85 lb/ft	\$2.95
TP40LM-1.25	Foot -- 1.25 lb/ft	\$4.95
TP60LM	Foot -- .85 lb/ft	\$5.25
T POST	Foot -- 1.01 lb/ft.....	\$5.95
T POST-1.25	6 Foot -- 1.25 lb/ft.....	\$6.95
47141	28" Post Driver w/handle	\$49.95

STAPLES

- 11 Gauge
 - Box of 1000
- 078.0080** 6" x 1" x 6"\$46.95 per box



DOUBLE NET STRAW EROSION CONTROL BLANKET

Rapid degradable – double net straw blanket. Excel SS-2 Erosion Control Blanket (ECB) consists of a 100% certified weed free straw matrix stitched between two nets (top and bottom). The Excel SS-2 ECB provides erosion control for a period of up to twelve months and serves as a mulching layer. Actual longevity is dependent on soil and climatic conditions. Made in the USA and yields LEED credits for the end user.

EXCEL SS-2	8' x 112.5' (100 Square Yards)	\$41.95
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SINGLE NET STRAW EROSION CONTROL BLANKET

Rapid degradable – single net straw blanket. Excel R-1 Erosion Control Blanket (ECB) consists of a 100% Rocky Mountain Excelsior matrix stitched to a single net (top). The Excel R-1 ECB provides erosion control for a period of up to fifteen months (45 - 90 days as Rapid Go style) and serves as a mulching layer. Actual longevity depends on soil and climatic conditions. Made in the USA and yields LEED credits for the end user.

EXCEL R-1	8' x 90' (80 Square Yards).....	\$49.00/Roll
EXCEL S-1 GREEN	8' x 90' (80 Square Yards), Superior Weight	\$55.00/Roll

ASPEN TURBO MULCH

Aspen Turbo Mulch is a blend of wood fibers and recycled cellulose material. A natural or chemical tackifier may be added to the mulch when loaded for application to help bond the material to the ground surface. Can be dyed to aid in tracking application. Mulch materials provide a minimum of erosion control and are best suited for small applications, low risk applications, or small areas where RECP installation is impossible.

EXCEL TURBO 50/50	50 lb Bale	\$15.00
EXCEL TACK PAM	Stockopam Tacking Agent, 15 lb Jug.....	\$141.95

ASPEN EXCELSIOR LOG

Aspen Excelsior Logs provide sediment control and inlet protection. Utilize a heavy duty netting structure and dense fill of 100% Rocky Mountain machine produced excelsior. Intended to be used on slopes to minimize displacement of in-situ sediments; in channels as small check dams and to restrict sediment laden flow from inlets. Typically, Aspen Excelsior Logs provide greater longevity and faster filtration than straw logs.

EXCEL XL9X25	9" x 25'	\$53.95
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BX TYPE 1 GEOGRID

By including a BX geogrid within the aggregate layer the engineer can extend the life of the road or reduce the layer thickness leading to substantial initial cost savings. Standard roll size 13' x 328f (474 SY per roll)

SB-TYPE1-GEOGRID	\$495.00 per roll
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MOTOROLA

MOTOROLA® RADIOS

MOTOROLA® TALKABOUT® MH230R

The Motorola Talkabout® MH230R is the must-have communication tool for each and every outdoor professional and enthusiast. With a powerful range of up to 23 miles,* this radio is perfect for coworkers to stay in touch. The MH230 doesn't stop at just exceptional range. This lightweight unit comes packed full of essential features.

****NOAA Weather Channel:** Tune into one of 7 NOAA channels (National Oceanic and Atmospheric Administration) on your MH230R for continuous local and regional weather broadcasting. Weather alerts will provide you with warnings of incoming weather to protect you from the danger of a sudden storm.

Full-Featured Privacy: The Talkabout® MH230R has full 22-frequency capacity with 121 privacy codes to reduce interruptions. The Motorola QT (Quiet talk) functionality allows the radios to be set so they can communicate with other compatible Motorola products, adding yet another level of distinction from other manufacturers.

Hands Free Communication: The iVOX feature allows you to speak hands-free. Acting like a speakerphone, the iVOX lets you chat without stopping what you are doing to ensure that there is never an excuse not to keep in touch.

Easy Charge -- 4 ways to charge!: Designed to fit every lifestyle, the MH230R allows you the convenience of charging four distinct ways. Use the provided desktop charger at home or a mini-USB car cable. Pack a mini-USB wall cable for recharge in a hotel or office or simply charge from your PC when no power outlet is available using a mini-USB PC cable. (Mini-USB car, wall and PC cables are sold separately.)

MH230R includes: 2 radios, 2 belt clips, 1 dual drop-in charger, 1 charging adaptor, and 2 NiMH rechargeable battery packs

*Calculated under optimum conditions. Actual range depends on terrain and conditions.

**NOAA radio service may not be available in all areas.

***Accessories available - Call for details



MH230.....\$79.95 each

MOTOROLA® RM SERIES TWO-WAY RADIOS

2 Watt Radios – Built tough to do business better. A faster way to communicate, with crisp, clear audio throughout the workplace and exceptional durability, these radios won't quit in high noise, harsh conditions, or heavy use. Tested to last!

RMU2040	RMV2080	
Band: UHF	Band: VHF	
Up to 2W Power		
4 Channels	2 Channels	
Operates on 89 UHF business-exclusive frequencies with 122 codes	Operates on 27 VHF business-exclusive frequencies with 122 codes	
15 hours of battery life		
Designed to Military Standard 810 C, D, E, F and G plus IP54/55		
VOX: Voice-activated mode (with or without an audio accessory) allows hands-free operation that does not require push-to-talk		
Weather radio channels		
Tri-color LED interface		
Repeater Cable		
Range/Coverage: Steel/Concrete Buildings up to 250,000 sq. ft., Multi-Level Buildings up to 20 floors	Range/Coverage: Steel/Concrete Buildings up to 220,000 sq. ft., Multi-Level Buildings up to 13 floors	
Includes Li Ion Rechargeable battery, Drop-in charging tray with wall adaptor, carry holster w/swivel belt clip, warranty card		
\$209.00	\$199.00	
Replacement Battery	P/N: PMNN4434	\$56.00 each
Replacement Belt Holster	P/N: HKLN4510	\$15.00 each



RMU2040

RMV2080

MOTOROLA® RM SERIES MULTI-UNIT CHARGER

This multi-unit charger with LED battery status light lets you charge up to six radios simultaneously. The smart-charge feature detects when there are fewer than six radios in the charger and allows for faster charging. You can also conveniently clone your RM series radios using the first 2 pockets of this multi-unit charger.



PMLN6384.....\$257.95 each



MOTOROLA

MOTOROLA® RADIOS

SURVEYING EQUIPMENT

MOTOROLA® RDX SERIES TWO-WAY RADIOS

4 and 5 Watt Radios – With a high level of audio quality, durability, and dependability, the RDX Series will keep your workplace running smoothly, no matter if it's in a school setting, construction zone, or retail store.



RDU4100

RDV5100

RDU4100	RDV5100	
Band: UHF	Band: VHF	
Up to 4 or 5 Watts Power		
Up to 10 channels		
2 programmable buttons 39 analog and 83 digital interference eliminator codes		
22 hrs battery life		
Meets Military 810, C, D, E and F and IP54/55 specs for shock, rain, humidity, salt, fog, vibration, sand/dust, temperature		
3 voice-inversion scramble settings to minimize eavesdropping		
Channel scan with selectable scan list		
3 audible call tones		
VOX (hands-free use with accessories) w/3 sensitivity levels		
Tri-Color LED display screen with transmit, receive, and low battery indication		
Repeater Cable		
Range/Coverage: Steel/Concrete Buildings up to 350,000 sq. ft., Multi-Level Buildings up to 30 floors	Range/Coverage: Steel/Concrete Buildings up to 300,000 sq. ft., Multi-Level Buildings up to 18 floors	
Includes: 2400 mAh Li Ion rechargeable battery, 12 hr drop-in charging tray with wall adaptor, 3" spring belt clip		
\$279.00 Each	\$259.00 Each	
Replacement Battery	P/N: RLN6308	\$95.00 each
Replacement Belt Clip	P/N: RLN6307	\$13.00 each

MOTOROLA® RDX SERIES MULTI-UNIT CHARGER

Allows drop-in charging of up to 6 radios or batteries. Batteries can be charged with the radios or removed and placed in the MUC separately.

RLN6309\$236.95 each



MOTOROLA® EXTERNAL SPEAKER MICROPHONE

Clip-On speaker microphone allows you to use the radio without reaching for it. For use with RM, RDS, CLS, XTN, AX, M.Series and DTR Series radios.

HMN9026.....\$49.95 each



MOTOROLA® SWIVEL EARPIECE

Lightweight earpiece fits comfortably over either ear. Includes in-line microphone with push-to-talk button. Ideal for noisy areas. For use with RM, RDX, CLS, XTN, AX, M.Series and DTR Series radios.

RLN6423A.....\$25.95 each



TRIPODS & BIPODS

INSTRUMENT TRIPODS

CST/BERGER HEAVY DUTY TRIPODS

- 5/8-11 Fastener
- Flat Head



Part #	Type	Open	Closed	Clamping Style	Price
60-ALWI20	Aluminum	65"	42"	Wing Screw	\$99.95
60-WDF20	Fiberglass	72"	42"	Quick Clamp	\$149.95
60-WDW20HV	Wood	72"	42"	Wing Screw	\$209.95
60-ALQRI20	Aluminum	65"	42"	Quick Clamp	\$99.95



60-ALWI20



60-WDF20



60-WDW20HV

CST/BERGER CONTRACTOR TRIPODS

- Aluminum
- Quick Clamp
- 63" Open
- 38" Closed
- Weighs 9 lbs



60-ALQC121 5/8-11\$89.95 each

**GEOMAX TRIPODS ALSO AVAILABLE
CALL FOR DETAILS**



PRISM POLE TRIPODS AND BIPODS

CST/BERGER PRISM POLE TRIPODS

- Side entry head with clamp for faster pole setup
- The Quick-Loc systems allows nonslip quick clamping
- The thumb release style allows easy adjustments with a push of a button
- All fit 1" to 1-1/2" (25mm = 38mm) poles.



Part Number	Description	Open	Closed	Price
67-4250X	Thumb Release Tripod	71-1/2" (182cm)	42-1/2" (108cm)	\$189.95
67-4250	Quick Release Tripod	73" (185cm)	44" (112cm)	\$179.95



SOKKIA ECONOMY SERIES PRISM POLE BIPOD

Sokkia Economy Series bipod assembly is designed for quick setup and field durability. Complete with a carrying case for protection and a bipod leg clip.

724897 Red \$98.95 each



SECO PRISM POLE BIPODS

Original thumb release bipod. 1 to 1.25 inch OD poles attach easily through the open clamp. 1.5 inch OD poles can be loaded through the top. The legs independently extend to 6 feet (1.8 m) and collapse to 43 inches (109 cm). Weighs 4.25 lbs



- 5217-04-RED Red.....\$167.95 each
- 5217-04-FLY Fluorescent Yellow\$167.95 each
- 5217-04-FOR Fluorescent Orange.....\$167.95 each

SITEPRO RANGE/PRISM POLE BIPODS

Side entry head with clamp for quick and easy pole setup. Unique locking system provides non-slip quick clamping. Thumb release style allows easy adjustments. Fits 1" to 1-1/2" diameter poles.

Part Number	Type	Open	Close	Weight	Price
07-4360	Aluminum	71-1/2"	42-1/2"	4.7 lbs	\$149.95
07-4361	Carbon Fiber	71-1/2"	42-1/2"	4.3 lbs	\$199.95



SitePro

07-4360



07-4361

TRIPODS & BIPODS

SITEPRO HEAVY DUTY MINI-TRIPOD

The ALW10 is a heavy duty, aluminum mini tripod with wing screw clamps. Aluminum hinge, clamp and shoe castings with replaceable shoe points. Powder coated castings for durability and wear resistance. Includes carrying strap and adjustment tool. 5/8-11 Flat Head style, Black

Part Number	Type	Open	Close	Weight	Price
01-ALW10-B	Aluminum	28.5"	22"	6.4 lbs	\$99.95



SITEPRO ALC CONTRACTORS' ALUMINUM TRIPOD

Lightweight, aluminum tripod with positive locking quick clamp style clamps and individually tightened hinge screws. Aluminum hinge, clamp and shoe castings with replaceable shoe points. Powder coated castings for durability and wear-resistance. Includes heavy duty poly-webbing shoulder strap. Black

Part Number	Type	Open	Close	Weight	Price
01-ALC20-B	Aluminum	65"	39"	9 lbs	\$89.95



SITEPRO ALQR HEAVY DUTY ALUMINUM TRIPOD: QUICK RELEASE

Made of medium weight, heavy gauge aluminum with the added stability of double banded legs. Positive locking quick clamps. Powder coated wear-resistant metal hardware. Replaceable shoe points. Includes heavy duty poly-webbing shoulder strap. Orange

Part Number	Type	Open	Close	Weight	Price
01-ALQR20-O	Aluminum	64"	40"	10 lbs	\$99.95



SECO EXTRA-TALL FIBERGLASS ELEVATOR TRIPOD

Tripod has a fully-extended leg and center column height of 12.40 ft and a collapsed height of 5.97 ft. Legs and dowels are constructed of fiberglass for durability, strength and resistance to weathering. Detachable round head plate, with a 5/8 x 11 stud, give your instrument a sturdy platform. Features an adjustable center column that give you 3.7 ft of lift. Lockable leg stabilizer struts, dual clamps, twist locks and quick clamps, along with dual metal and rubber leg points and handy leg strap create greater stability. Column can hold 66 lbs when collapsed, and 15.4 lbs when elevating. Includes leg straps. Weighs 33.10 lbs.

5321-17-ORG Orange.....\$339.95 each



SECO BIRCH WOOD/FIBERGLASS HYBRID TRIPODS

An ideal tripod for many different applications. Wood/Fiberglass tripods are perfect for mechanically-driven total stations and survey-grade theodolites and levels. 5/8 x 11 threaded post accommodates standard instruments. These tripods stand up to demanding field conditions. Triangle/Flat Head – Weighs 16.2 lbs

Part Number	Type	Extension	Color	Price
5302-12-ORG	Quick-Clamp	73"	Orange	\$179.95
5402-12-ORG	Twist-Lock	73"	Orange	\$179.95



SECO HEAVY-DUTY BIRCH WOOD TRIPODS

6.5" round head and standard 5/8 x 11 threaded stud is ideal for mounting a variety of instruments. Leg stabilizer straps ensure tripod stays stable and in place. Wood legs have a hand hole for easy carrying. Tool kit, which attached to any leg, includes and open-end wrench and an allen wrench for any tripod adjustments. Shoulder strap also included for comfortable carrying over longer distances. Weighs 16.5 lbs

Part Number	Type	Open	Close	Color	Price
5220-12-ORG	Dual Locks	75"	47"	Orange	\$222.95



TRIBRACHS

CST TRIBRACHS

Model #	Description	Plummet	Price
61-3500	Wild-Type Tribrach	Optical—0.5-15m Focus	\$410.00
61-4500TYL	Value Line Tribrach	Optical—0.5-15m Focus	\$190.00
61-4635	Laser Tribrach	Laser – Dot ≥2mm@2m (6')	\$229.00

**Several colors to choose: Black, Green, Grey, Yellow & TopCon Yellow. Please specify when ordering.*

CST/berger



SECO TRIBRACH WITH OPTICAL PLUMMET

Optical Plummet Twist Focus Tribrach features twist focus (2.5X mag) and leveling screws with center line. Features an 8-min vial, three-prong forced centering and a 5/8 x 11 base. Tribrach has a focusing range of 1.5 to 50 ft (0.5 to 15 m)

2152-04-YEL Yellow.....\$214.95 each



SECO
www.surveying.com

SECO HIGH PRECISION NON-OPTICAL PLUMMET TRIBRACH

European-made with an effortless locking mechanism for fast and solid accessory connection. A center line on each of the leveling screws allows the user to balance the lengths of the leveling screws. 5/8 x 11 threaded base plates and 9-minute circular vials. This high-precision tribrach features an error in angle measurement (hysteresis) is under 3 cc (60 Ncm torsion moment and 12 kg vertical load). 2X magnification and an erect image. Operating temperatures is -20°C to +50°C (-4°F to +122°F).

2153-06-HIGHEND Black.....\$399.95 each



SECO
www.surveying.com

SECO EUROPEAN-STYLE TRIBRACH NON-OPTICAL PLUMMET TRIBRACH

Features 2X magnification and a twist focus. It's reticule is composed of two small concentric circles. With a sighting distance of 0.3 m to 15 m, the tribrach has an accuracy of 0.5 mm per 1.5 m. Locking forced-centering knob and a 5/8 x 11 base and an 8-minute circular vial. Weighs 1.55 lb

2153-05-BLK Black.....\$350.00 each



SECO
www.surveying.com

SECO ROTATING SWISS-STYLE TRIBRACH ADAPTER

Adapts retro prisms to Swiss style tribrachs and has a removable Zeiss plug and locking screw. Fits all tribrachs. Weighs 1.75 lb

2070-00 \$89.95 each



SECO
www.surveying.com

SITEPRO PRECISION TRIBRACH

Smooth, locking mechanism with secure motion foot screws. Precise alignment of support cavity to the base plate assures accurate centering instrument. Durable to endure most weather conditions. Optical 0.5 – 15 m focus. Weighs 1.85 lb

05-1400-GY Japanese Style, Grey\$169.95 each



SitePro
www.sitepro.com

DIGITAL THEODOLITES

TOPCON DT-209 DIGITAL THEODOLITE

With Topcon's DT-209 you'll be up and working fast, thanks to its simple interface and large, easy-to-see backlit LCD. There's an optical plummet that makes set up over a control point easy, and a tilt sensor that provides ± 3 minute angle correction. The DT-209 offers a super short 3' minimum focus distance for those tight areas, and angle accuracies of 5, 7, and 9 arc seconds.



Specifications	DT-209-26
Angle Measurement Accuracy	9"
Telescope Magnification	26X
Display Unit	1 side
Operating Temperature	-68°F - 122°F
Operating Time: Theodolite Only	170 hours
Price	Call for Current Pricing

SITEPRO SKT05/SKT05L 5-SEC DIGITAL THEODOLITES

- Superior optics with 5" precise vertical and horizontal accuracy and readout
- Advanced absolute encoder system enhances measuring reliability
- Easy to read dual LCD back-lit displays
- Automatic power shut off
- Easy access battery compartment
- Water resistant, sealed construction



Specifications	26-SKT05	26-SKT05L
Magnification		30X
Resolving Power		3"
Field of View		1°30'
Minimum Focus		3.3'
Angular Accuracy		5 Sec
Minimum Reading		1" / 5 switchable
Minimum Focus		1.3 m or 4.26 ft
Stadia Ratio		1:100
Tilt Sensor		Yes, +/- 3'
Centering Plummet	Optical	Laser Diode, Class 2M
Package Contents	Theodolite, Plumb Bob, Case, Rechargeable Battery Pack/Charger, Alkaline Battery Tray, User Manual	
Price	\$1395.00	\$1325.00



CUSTOMER NOTES:



DIGITAL THEODOLITES

CST DGT-10 THEODOLITE

Designed with durability and proven simplicity, CST/berger offers professional performance at an affordable price.

CST/berger



Magnification	30X
Resolving Power	3.5"
Field of View	1°30'
Minimum Focus	4.27-ft (1.3m)
Angular Accuracy	5 Second
IP Rating	IP55
Package Contents	Batteries, Tool Kit, Plumb Bob, Case
Part Number	56-DGT10
Price	Call for Price

SPECTRA DET-2 DIGITAL CONSTRUCTION THEODOLITE



- 2" angular accuracy – display resolution can be tailored to any operator's preferences for fast readings
- Vertical axis compensation – tilt sensor provides the highest level of accuracy and can be turned on or off depending on job requirements
- Dual LCD with large characters – easy to see angle readings eliminate errors and reduces eye fatigue
- Simple six button keypad – quick setups and simple operation with low operator learning curve
- Large suite of programmable settings – provide multiple options for various users and job requirements including zero position of vertical angle
- Measurement units in degrees, gon, or mils
- 90° angle audible notification – for quick turning and set out of right angles
- Instant conversion of vertical angles to percent of grade – convenient for slope work and when used in conjunction with Dialgrade® pipe work
- NiMH rechargeable battery pack and charger
- Alkaline battery pack standard – provides backup and eliminates downtime if the charge is lost in the middle of a job
- Each DET-2 comes equipped with a plumb bob, NiMH rechargeable battery pack and charger, alkaline battery pack, adjustment tools, rain hood, multi-language user guide, and hardshell, compact, o-ring sealed, carrying case

Specifications	DET-2
Focus Distance	1.45 m to 0.5 m
Aperture	45 mm
Angle Measurement Accuracy	9"
Telescope Magnification	30X
Dimensions	164 x 154 x 340 mm
Weight	4.5kg
Warranty	1 year
Price	Call for Current Pricing



MAGNETIC LOCATORS

SCHONSTEDT GA-52CX MAGNETIC LOCATOR

The GA-52Cx Locator detects the magnetic field of iron and steel objects and energized power lines. Provides audio detection signals that peak in frequency when the locator's tip is held directly over the target. Designed for one-hand operations, the On/Off-Sensitivity and Volume controls are located on the underside of the cover on both locators. This provides easy access, protects the knobs and contributes to their overall ruggedness and dependability. The GA-52Cx comes standard with a custom case designed to withstand the rigors of field use.

- Audio Output
- 5 Levels of Sensitivity
- No response to aluminum, brass, or copper
- Patented HeliFlux® sensors
- Modular construction; high performance components
- 7-year warranty



GA-52CX..... \$768.00 each

SCHONSTEDT XT MAGNETIC LOCATOR

One hand operation makes finding faster, providing both audio and visual (XTd model) indication of ferrous objects up to 16 feet underground. And the new XT follows the Schonstedt tradition of ruggedness and reliability. Detect the magnetic fields of all ferromagnetic objects property markers, manholes, septic tanks, well casings, valve boxes, cast iron pipes, steel drums, unexploded ordnance up to sixteen feet below the surface.

- One hand operation
- Operates in both retracted and extended modes
- Fingertip control of volume and sensitivity
- Quick change battery compartment
- Battery indicator on both models
- Comes with Holster & Belt
- One Handed Operation
- Battery Replacement in grip (does not expose electronics)
- Most Ergonomic
- Lightweight, easy-to-use-design
- Audio & Visual Output
- Battery & Sensitivity Indicators
- Continuous levels of Sensitivity
- Operates in both retracted and extended modes
- Signal Strength and Polarity Indications
- No response to aluminum, brass, or copper
- Patented HeliFlux® sensors
- Modular construction; high performance components
- 7-year warranty



GA-92XTD \$899.00 each

SCHONSTEDT GA-72CD MAGNETIC LOCATOR

The GA-72Cd Locator detects the magnetic field of iron and steel objects and energized power lines. It provides audio detection signals that peak in frequency when the locator's tip is held directly over the target. The GA-72Cd has the option of nulling or peaking.

- Most Popular for UXO and Demining Applications
- Audio & Visual Output
- Battery & Sensitivity Indicators
- Levels of Sensitivity
- 3-digit LCD readout
- Signal Strength and Polarity Indications
- No response to aluminum, brass, or copper
- Patented HeliFlux® sensors
- Modular construction; high performance components
- 5-year warranty



GA-72CD \$947.00 each

SUBSURFACE ML-1 MAGNETIC LOCATOR

One of the most popular magnetic locators, the ML-1 offers simple, one-handed operation with an easy to learn keypad and audio confirmation. The ML-1 features strong monotube construction, providing structural integrity you can count on. Whether you're seeking corner markers, well casings, steel drums or septic tank handles, this is a "go-to" magnetic locator.



ML-1 Magnetic Locator w/One-Handed Operation Call for Price

SUBSURFACE ML-3S 40" MAGNETIC LOCATOR

The ML-3 short is 40" to meet utility and surveyor personal preferences, providing ergonomic, rugged, one-handed operation. The ML-3 offers unparalleled durability and is housed inside aircraft-grade aluminum monotube. The ML-3 is digitally tuned and 100% waterproof up to 220 feet – a first for the industry, so it can be used in inclement weather and submerged conditions. Plus, its auto-zero feature allows the user to "cancel" ambient magnetics or magnetic gradient in the environment.



ML-3S Magnetic Locator w/One-Handed Operation Call for Price

SUBSURFACE PL-2000 PIPE AND CABLE LOCATOR

The PL-2000 has active frequencies of 512 Hz, 8 kHz, and 27 kHz, plus passive radio frequency and A/C detection in the PL-2000 receiver. Use the 3.0 watts output power in the direct connection mode to drive the 8 kHz signal hundreds (even thousands) of feed down iron pipes and metal conductors. Use one of the four operating modes (Peak, Null, Dist, and Sonde) in the PL-2000 receiver depending upon the site conditions and the user's preferences. Also features Radio, Live Cable and Sonde modes with push button depth.



PL-2000 High Power Pipe and Cable Locator Call for Price

MAGNETIC LOCATORS

MAGNA-TRAK® MAGNETIC LOCATORS

Locate ferrous objects underground, underwater, or in snow. Ergonomically designed for complete one-handed operation.

- Length: 42-3/4"
- Weight 3 lbs
- Waterproof and water-resistant housing
- Easy access battery compartment
- On/Off Volume and Sensitivity Controls
- Strong, lightweight aluminum tube with durable hard rubber tie
- "High-Tech" magnetic toroidal sensors and electronic balancing circuitry

Model	MT100	MT101	MT102	MT200	MT202
Erase Feature			✓		✓
Power Line Indicator			✓	✓	✓
Sensitivity Control	✓	✓	✓	✓	✓
Volume Control	✓	✓	✓	✓	✓
LCD Digital Display	✓		✓	✓	✓
Low Battery Indicator	✓		✓	✓	✓
Analog Bar Graph				✓	✓

Item Number	Description	Price	2+
19-550	Magna-Trak 100 w/ Soft Case	\$642.95	--
19-551	Magna-Trak 100 w/Hard Case	\$662.95	--
19-555	Magna-Trak 101 w/Soft Case	\$612.95	--
19-556	Magna-Trak 101 w/ Hard Case	\$634.95	--
19-557	Magna-Trak 102 w/ Soft Case	\$742.95	--
19-558	Magna-Trak 102 w/Hard Case	\$767.95	--
19-200SC	Magna-Trak 200 w/Soft Case	\$684.95	\$639.95
19-202SC	Magna-Trak 202 w/Soft Case	\$746.95	\$697.95



MT100



MT101



MT102



MT200



MT202

DAVID WHITE LT8-300 LEVEL-TRANSIT

An updated version of popular Universal. Handles all horizontal and vertical construction applications. Sleek and compact .26X telescope. Sighting Range up to 400 ft. Recommended for jobs requiring accuracy within 3/16" at 150 ft. Includes optical plummet eliminating the need to use a plumb bob.

LT8300P\$895.00 each



SITEPRO DIGITAL DL24/DL48 DIGITAL BOX LEVEL

Precise digital measuring in degrees, percent, or inches/feet. Absolute and relative angle measurement. Range of display is between 0° and 90°. LED back-lit display with audible sound. Rugged with aluminum construction. Hold/lock measurement feature. Horizontal and vertical measuring accuracy of ±0.1°. Includes Digital level, AAA batteries, carrying case and user manual.



29-DL24 24" Digital Box Level \$109.00 each

29-DL48 48" Digital Box Level \$160.00 each

SMARTTOOL DIGITAL LEVELS

Using custom patented sensor technology, SmartTool has been the digital level leader for over 20 years. Displaying in degrees, % slope or inches per foot, it is accurate to 1/10 of a degree and holds the best accuracy of any digital level on the market. Its 9V battery (included) runs for over 500 hours and has the ability to beep at any angle you choose.



92296



92288

92296 48" SmartTool Level \$179.95 each

92288 24" SmartTool Level \$149.95 each

AUTOMATIC LEVELS

TOPCON AT-B SERIES AUTOMATIC LEVELS

Durable, dependable high value Auto Levels. 2 models to choose from – 28X and 24x magnifications. Topcon AT-B Series Auto Levels offer rapid, accurate and stable automatic compensation. Ultra-Short 7.9" focusing. All-weather dependability. Clamless, endless fine horizontal adjustments.



Specifications	AT-B3	AT-B4
Magnification	28X	24X
Objective Aperture	1.42"	1.26"
Resolving Power	3.5"	4"
Setting Accuracy	0.5"	
Working Range	±15'	
Sighting Aid	Gun Sight	
Dust/Water Protection	IPX6	
Operating Temperature	-4°F - 122°F	
Size	5.1" x 8.5" x 5.5"	
Weight	4.1 lbs	
Warranty	5 Years	
Part Number	2110230B0	2110240B1
Price	\$595.00	\$395.00

AUTOMATIC LEVELS

SITEPRO SK-SERIES PRO AUTOMATIC LEVELS

These autolevels feature excellent magnification with large aperture that allows more light for a sharper image. Finely tuned magnetically dampened compensator levels and stabilizes the line of sight despite fine vibrations providing high precision leveling results.

- 360° Graduated horizontal circle in 1-degree increments for layout applications
- 10'/2mm circular bubble vial with 90-degree mirror for accurate and quick
- Compensator is designed with four suspension wires made of super-high-tensile metal that features minimal thermal expansion coefficient
- Horizontal and vertical cross hairs with 1:100 stadia lines – measures level, alignment and estimates distance
- Fine motion horizontal tangent knobs on left and right sides allow friction braked rotation, endless horizontal drive and precise pointing and angle measurement
- Peep sight to aid in sighting
- Solid leveling metal base with three precision leveling screws provides stability and accuracy in all weather and job site conditions



25-SK24X	24X	\$350.00
25-SK28X	28X	\$395.00
25-SK32X	32X	\$395.00

SITEPRO XC-SERIES CONTRACTORS AUTOMATIC LEVELS

The SitePro XC-Series automatic levels are designed for the contractor that needs optimum range and accuracy. Crisp, clear optics that allow for brighter, sharper images

- 360° Graduated horizontal circle in 1-degree increments for layout applications
- 8'/2mm circular bubble vial with 90-degree mirror for accurate and quick set-up
- Magnetically dampened, automatic compensator
- Horizontal and vertical cross hairs with 1:100 stadia lines – measures level, alignment and estimates distance
- Fine motion horizontal tangent knobs on left and right sides allow friction braked rotation, endless horizontal drive and precise pointing and angle measurement
- Solid leveling metal base with three precision leveling screws provides stability and accuracy in all weather and job site conditions



25-SP24XC	24X	\$295.00
25-SP28XC	28X	\$350.00

Specifications	25-SP24XC	25-SP28XC	25-SK24X	25-SK28X	25-SK32X
Magnification	24X	28X	24X	28X	32X
Leveling Accuracy	1/16" at 150'	1/16" at 200'	1/16 at 150'	1/16" at 200'	1/16" at 250'
Angular Accuracy	1°				
Working Range	300'	350'	300'	350'	400'
Field of View	1° 30' or 2.6' @ 100'		1° 20'		
Min. Focus Distance	1.64'		<1'		
Compensator Range	+/- 15'				
Comp Setting	±0.5"	±0.4"	±0.3"		
Package Contents	Level, Lens Cover, Plumb Bob, Adjustment Tools, Carrying Case, User Manual				
Price	\$295.00	\$350.00	\$350.00	\$395.00	\$395.00

REPLACEMENT CASES

Part Number	Description	Price
25-SPCASE-XC	Replacement Case for XC-Series Levels	\$23.95
25-AL24CASE	Replacement Case for SK-Series Levels	\$26.95

SHOP ONLINE
WWW.CSPSURVEYEQUIPMENT.COM

LASER LEVELS

SITEPRO HORIZONTAL AND VERTICAL ROTARY LASER WITH GREEN BEAM

Features horizontal and vertical electronic self-leveling laser for precise leveling applications. Vertical laydown positioning provides vertical alignment capabilities and squaring to ensure that walls or partitions are precisely aligned. The green beam laser of the SLR200HV-G is 400% brighter than red beams, ideal for indoor construction.



SitePro[™]



Specifications	27-SLR200HVG
Horizontal Accuracy @ 100'	1/8"
Range with Detector (Diameter)	1000'
Interior Range (Diameter)	650'
Leveling Type (Degrees)	Electronic ($\pm 5^\circ$)
Beam Rating	Class 3R, 525nm
Vertical Self-Leveling @ 100'	1/8"
Slope/Grade Capability	Dual ($\pm 10.00\%$)
Battery Type	4-C Cell, NiMH Rechargeable
Water/Dust Protection	IP55
Package Contents	Rotary Laser, RC28 Remote, Glasses, Magnetic Target, Multi-Mount, RD200-G Laser Detector w/Clamp, NiMH Rechargeable Battery Pack, Carrying Case, User Manual
Price	\$1250.00

TOPCON RL-H4C MULTI-PURPOSE LASER

Grading, excavating and general construction projects are perfect applications for the RL-H4C. With the added "Slope Matching" feature you can check grade on all your flat and slope work.



Specifications	Model RL-H4C
Accuracy	Horizontal ± 10 arc seconds
Self-Leveling Range	Horizontal $\pm 5^\circ$
Working Area (Diameter)	2,600'
Rotation Speed	600 rpm
Light Source	Visible Laser: 635nm
Laser Power	2.4mW
Laser Class	Laser Safety CDRH (FDA) III a JIS/IEC 3R
Dust/Water Protection	IP66
Operating Time	Alkaline: 100 hours. Rechargeable: NiMH" 60 hours
Operating Temperature	-4°F - 122°F
Size	8.5" x 7.7" x 7"
Weight	5.3 lbs w/dry cell batteries. 5.7 lbs with rechargeable
Warranty	5 Years
Part Number	313980752
Price	Call for Price

LASER LEVELS

TOPCON RL-SV2S DUAL SLOPE, LONG-RANGE LASER

This laser is for general construction or engineering projects and designed to be used for flat work, single or dual slope applications. Slopes up to $\pm 5\%$ can be used in either the X or Y axis. With a 2,600 ft. diameter operating range the RL-SV2S has the power to cover even the biggest job sites. The RL-SV2S can be turned on its side for layout and alignment applications. Lay it down on the built-in mount or attach it to a tripod and the laser will electronically self-level for fast and accurate vertical applications. This versatile construction tool is loaded with all the features contractors love including long battery life (100 hrs/alkaline or 60 hrs/rechargeable NiMH), height of instrument alert, and electronic shutters. All of these features (and others) can be accessed on the front control panel or on a remote control device which comes standard.

Specifications	Model RL—SV2S
Accuracy	Horizontal ± 10 arc seconds
Self-Leveling Range	Horizontal $\pm 5^\circ$
Working Area (Diameter)	2m-800m w/ LS-80L
Rotation Speed	600 rpm
Light Source	Laser Diode: 635nm
Laser Class	Laser Safety CDRH (FDA) IIIa, IEC Class 3R
Dust/Water Protection	IP66
Operating Time	Alkaline: 100 hours. Rechargeable: NiMH 60 hours
Operating Temperature	-4°F - 122°F
Size	7" x 7.7" x 8.5"
Weight	5.5 lbs w/dry cell batteries. 5.9 lbs with rechargeable
Warranty	5 Years
Part Number	313990752
Price	Call for Price



SPECTRA PRECISION® LASER LL300 LEVELS

The Spectra Precision® Laser LL300 features a rugged design with "hard hat" rotor protection that provides superior drop and weather protection. Built to withstand severe drops of up to 3 ft directly onto concrete, or up to 5 ft when pushed over on a tripod means less downtime and cost due to damage caused by accidental drop or tipover and lower repair costs over the life of the product. The LL300's fully automatic self-leveling capability provides fast, accurate setup. Rechargeable Ni-MH battery pack or alkaline batteries keeps the unit working with no downtime due to power loss. Single cross-axis manual slope mode with cross-axis self-leveling allows grade matching for basic slope work, while maintaining accuracy in the cross-slope.



- Maintains performance even in rainy, dusty and other harsh job site and weather conditions
- Increases flexibility with remote control slope option

Laser Source	650nm, Class 2<3,4mW	630-670 nm visible, Class 3A/3R
Laser Accuracy	$\pm 1/16"$ @ 100'	3/32" per 100' 15 arc seconds
Operating Range (Diameter)	2,600'	1300' (400m)
Self-Leveling Range	± 5 degrees	± 5 degrees
Compensation Method	Electronic Self-Leveling	Electronic Self-Leveling
Single Axis Manual Slope Mode	Yes w/Self-Leveling Mode on the 2nd axis	Yes w/Self-Leveling Mode on the 2nd axis
Power Source	4-D cell NiMH or Alkaline	4-D Rechargeable or Alkaline
Battery Life	Rechargeable: 47 hours, Alkaline: 60 hours	Rechargeable: 45 hours, Alkaline: 90 hours
Rotation Speed	600 RPM	600 RPM
Dust & Water Protection	IP66	IP54
Part Number	LL300S	LL300N w/HL450 Receiver and Clamp
Price	\$985.00	\$895.00



SPECTRA PRECISION® LASER LEVELS

SPECTRA PRECISION® LL400HV LASER LEVEL

The automatic, self-leveling Spectra Precision® LL400HV Laser Level is the most rugged, long range laser level available, tough enough to handle a wide variety of general construction and vertical alignment applications. Even in harsh jobsite conditions, the LL400HV delivers consistently reliable and highly accurate performance, enabling you to work faster and smarter. The rugged LL400HV laser can withstand drops of up to one meter (three feet) onto concrete and tripod tipovers up to 1.5 meters (five feet). This strength, combined with full weatherproofing and dustproofing, reduces downtime and lowers repair costs over the life of the product.

- The advanced HL760 Digital Readout (DRO) receiver provides automatic Grade Match, PlaneLok and Fingerprint function.
- Grade Match connects different elevations and establishes a sloped reference over unknown ground. As a consequence, it eliminates time consuming manual slope adjustments.
- PlaneLok automatically locks on to an existing horizontal elevation or vertical alignment point which eliminates all drift or possibility of error due to improper calibration or weather.
- The new unique "Fingerprint" function only accepts the beam from the laser it is paired with. The CR600 receiver is also an option when a machine mounted display elevation is required.

Laser Source	Red Diode Laser, 650 nm visible, Class 2 <3.4mW
Laser Accuracy	±1/16" at 100'
Operating Range (Diameter) w/HL700 Receiver	2600' (800m)
Self-Leveling Range	±5 degrees
Compensation Method	Electronic Self-Leveling
Single Axis Manual Slope Mode	Yes (both axes)
Power Source	4-D Alkaline, NiMH Battery Pack
Battery Life	Alkaline: 60 hours, NiMH: 47 hours
Rotation Speed	600 RPM
Dust and Waterproof	Yes, IP66
Part Number	LL400HV w/HL700 Receiver and Small Hard Case
Price	\$1,425.00



SPECTRA PRECISION® LL500 LASER LEVEL

The Spectra Precision® Laser LL500 Laser Level is a one-person leveling system designed for longer range measurements across your entire site. Accurate, stable and reliable, the LL500 features a 1,600 ft (500 m) working diameter which increases productivity by reducing the need for multiple setups on a large job site. The rugged LL500 is self-leveling with built-in "out-of-level" shutoff that maintains accuracy over the entire work area and minimizes errors. Visible "spotting" beam determines receiver mounting placement makes it faster to find the on-grade position.

- High accuracy with temperature compensation provides highly stable, repeatable accuracy even under large temperature changes
- Alkaline or rechargeable batteries keep the unit working and minimize downtime due to power loss
- Self-leveling with built-in shut off for increased accuracy over the entire work area and reduced errors
- Machine Control Compatible

Laser Source	670 nm visible, Class 2
Laser Accuracy	± 1/16" at 100' ± 10 arc seconds
Self-Leveling Range	± 11 arc minutes
Power Source	4-D Alkaline, NiCad, NiMH
Battery Life	Alkaline: 175 hours, NiCad: 75 hours, NiMH: 100 hours
Part Number	LL500 w/HL700 Receiver and Clamp
Price	\$1,350.00



AGL LASER LEVELS

AGL
CONSTRUCTION LASERS
& MACHINE CONTROL SYSTEMS

AGL GRADOPLANE 25X AUTOMATIC DUAL GRADE LASER PACKAGE

- Fast Automatic Self-Leveling
- Simple to use, versatile
- Two-way remote speeds setup and operation
- Beam masking
- Wind sensitivity settings
- Temperature compensation
- Axis alignment
- Grade reverse on both Axes

Specifications	GradoPlane 25X
Operating Range	3,600'
Self-leveling Accuracy	±1/16" at 100'
Self-leveling Range	±5°
Grade Capability	-5 to +25% in either axes (-5 to +15% in both axes)
Rotation Speeds	300, 600, 900, and 1,200 rpm
Laser Diode	Visible 635nm, Class 2
Battery Type	"D" Alkaline or NiMH rechargeable
Battery Life	8 alkaline – Up to 130 hours, 2 NiMH Packs – Up to 100 hours
Operating Temperature	-4° to 122°F
Environmental	Waterproof to IPX-7 standard
Dimensions	10.4" x 10.2" x 8"
Weight	11 lbs
Warranty	Two Years
Package Contents	LS100 detector, remote, AC charger, 1 rechargeable battery pack
Part Number	6009254
Price	\$5295.00



GEOMAX ZONE 50 DUAL SLOPE LASERS

The GradoPlane50 FA is a fully automatic dual grade laser with an aluminum-cast housing for withstanding even the harshest conditions. As a fully automatic laser, it not only constantly checks but also permanently readjusts the defined grade to ensure highest accuracy and dependability. The GradoPlane50 A is a semi-Automatic laser with grade capability. Equipped with the same sturdy aluminum-cast housing and IP class 67 as the GradoPlane50 FA, this laser is built to last on any jobsite under any conditions. With 1,600' laser diameter, the GradoPlane50 provides you with an extensive work range.

Specifications	GradoPlane50 FA	GradoPlane50 A
Operating range (depends on receiver)	> 3200'	> 1600'
Accuracy	± 1/16" at 100'	
Self-leveling	±5°	
Slope	-15% up to 15%	
Diode	635 nm	
Laser Class	3R	2
Rotational Speed	0/600/1,000 rpm	0/600/800 rpm
Scanning	N/A	X
Weight	3.5 kg	3.2 kg
Dimensions	7" x 7" x 10.2"	
Operating Temperature	14° to 122°F	
Rechargeable Batteries	NiMH; charging 4h	
Operating Life	Up to 60 hours	Up to 20 hours
Protection Class	IP67 dust and waterproof	
Part Number	819753	819752
Price	\$2395.00	\$1995.00

GEOMAX



AGL CL250 CONE LASER

For athletic fields and retention ponds

The CL250 Cone Laser is fully self-leveling and designed for flat or conical applications up to -2.55% negative to 2.5% positive. Primarily used for sports fields with a conical fall, the CL250 with the positive cone, this unit will be able to do retention ponds or running tracks. The CL250 has a range 1000' diameter. Easily adjustable head makes it quick and easy to custom tailor the cone to your specific job application giving you a perfect laser reference. Package includes the CL250 Laser, SR200 Receiver and carrying case.

Specifications	CL250
Operating Distance	1000'
Leveling Accuracy	+/- 1/8 at 100'
Leveling Range	+/- 10%
Rotation Speed	0-90-600 rpm
Laser Diode	635nm
Power	2 D Size Alkaline
Batter Life	160 hours, Rechargeable 40 hours
Environmental	IP64
Price	\$2,925.00



AGL EAGL LASER LEVELS

EAGL Laser Levels are ideal for establishing elevations and grade stakes, setting concrete forms and footings, sub-base leveling, wet screeding concrete, excavating for foundations, footings, drain lines, and septic systems, machine control and topography applications – basically all leveling applications.

Specifications	EAGL 3000S	EAGL 2000	EAGL 1-Touch
Accuracy			
Range (diameter)	3,000'	2,000'	1,500'
Horizontal and Self-leveling Range			
Laser Beam and Rotation Speed			
Battery Life			
Matching Slope	±6% manual slope in X axis; Y axis is self-leveling	N/A	N/A
HI Alert	X	X	N/A
Windy Mode	X	X	N/A
Operating Temp	-4° to 122°		
Environmental	IP55 water and dust resistant		
Size	8" x 6.5" x 6" – 5 lbs		
Warranty	2 year drop	2 year	1 year
Includes	Detector and Rod Clamp		
Part Number	6009233	6009232	6009242
Price	\$1,495.00	\$1,395.00	\$1,295.00



SPECTRA PRECISION® INTERIOR LASERS



SPECTRA PRECISION® HV301G INTERIOR LASER – HORIZONTAL/VERTICAL

The Spectra Precision® HV301G Interior Laser features a green laser beam and is easy to see in interior jobsite conditions. The superior visibility of the green beam is useful for extended working ranges or in bright conditions. The beam stays visible for efficient work in these less than ideal conditions.

The versatile HV301G Interior Laser automatically self-levels in both the horizontal and vertical modes and can be used in a wide variety of applications. Built-in vertical mounts and a simultaneous 90-degree reference beam are included and used in layout work and point transfer. Adjustable rotating speeds and scanning zones position the beam where it is needed.

Designed to be used by interior contractors, the HV301G Interior Laser is easy to set up and use. Intuitive controls allow operators to carry out many functions with simple one-touch commands. A 360 degree remote control is included and allows operation of key functions over the jobsite. A heavy-duty metal universal mount is included in the package and fits in the hard-shelled carrying case. Includes laser, M300 Wall Mount, ceiling target & RC601 Remote.

Laser Source	532 nm Green Beam	
Laser Accuracy	±3/32" at 100' ±15 arc seconds	
Self-Leveling Range	±5 degrees	
Compensation Method	Electronic Self-Leveling	
Power Source	4 "D" size NiMH Batteries, Alkaline Batteries optional	
Battery Life	Alkaline: 45 hours, Rechargeable: 18 hours	
Rotation Speed	4 Preset speeds from 0 to 600 RPM	
Water Resistant	Yes, IP54 sealing	
Part Number	HV301G	HV301G-2 w/HR150U Receiver and Clamp
Price	\$1,395.00	\$1,495.00



SPECTRA PRECISION® HV302 INTERIOR LASER – HORIZONTAL/VERTICAL

Whether your job is indoors or outdoors, the automatic, self-leveling Spectra Precision® HV302 Horizontal/Vertical Laser is the most rugged laser available, tough enough to handle a wide variety of horizontal, vertical and plumb applications. A split beam enables plumb point transfer and 90 degree layout. Even in brightly lit interior conditions, the high visibility beam of the HV302 delivers consistently reliable and accurate performance, enabling you to work faster and smarter.

The rugged HV302 laser can withstand drops of up to one meter (three feet) onto concrete and tripod tipovers up to 1.5 meters (five feet). This strength, combined with full weatherproofing and dustproofing, reduces downtime and lowers repair costs over the life of the product.

- Combine the HV302 with the advanced HL760 Digital Readout (DRO) receiver to provide Grade Match, PlaneLok and Fingerprint function.
- Grade Match which connects different elevations and establishes a sloped reference over unknown ground. As a consequence it eliminates time consuming manual slope adjustments.
- PlaneLok automatically locks on to an existing horizontal elevation or provides quick automatic vertical alignment which eliminates all drift or possibility of error due to improper calibration or weather.
- The unique "Fingerprint" function only accepts the beam from the laser it is paired with

Laser Source	Red Diode Laser, 600-680 nm
Laser Accuracy	1/16" @ 100', 10 arc seconds
Self-Leveling Range	±5%
Leveling Indicators	LED Flashes
Power Source	10.000 mAh NiMH Battery Pack
Battery Life	45 hours NiMH, 60 hours Alkaline
Rotation Speed	0, 10, 80, 200, 600 rpm
Water Resistant	Yes – IP66
Part Number	HV302
Price	\$1245.00





SPECTRA PRECISION® GRADE LASERS

SPECTRA PRECISION® GL412N AND GL422N GRADE LASERS

The automatic, self-leveling Spectra Precision® GL422N and GL412N lasers are the most rugged, cost-effective lasers that do three jobs—level, grade, and vertical alignment. Even in harsh jobsite conditions, the GL422N and GL412N deliver consistently reliable and accurate performance, enabling you to work faster and smarter. These rugged lasers can withstand drops of up to one meter (three feet) onto concrete and tripod tipovers up to 1.5 meters (five feet). This strength, combined with full weatherproofing and dustproofing, reduces downtime and lowers repair costs over the life of the product.



Each GL412N and GL422N laser system now includes the advanced HL760 Digital Readout (DRO) receiver that provides automatic Grade Match, PlaneLok and Fingerprint function. Grade Match measures and displays the existing grade over unknown ground. As a consequence it eliminates time consuming and error prone calculations. PlaneLok automatically locks on to an existing horizontal elevation or vertical alignment point which eliminates all drift or possibility of error due to improper calibration or weather. The unique “Fingerprint” function only accepts the beam from the laser it is paired with.

Laser Source	Red Diode Laser, 650nm
Laser Accuracy	1/16" @ 100', 10 arc seconds
Self-Leveling Range	±5%
Operating Diameter	2,600 ft
Leveling Indicators	LCD Indications and LED Flashes
Power Source	10.000 mAh NiMH Battery Pack
Battery Life	35 hours NiMH, 50 hours Alkaline
Rotation Speed	300, 600 rpm
Water Resistant	Yes – IP66
GL412N – Single Grade Laser w/Vertical Alignment HL760 Receiver, C70 Adapter for Receiver, RC402N Remote	\$2,100.00
GL422N – Dual Grade Laser w/Vertical Alignment HL760 Receiver, C70 Adapter for Receiver, RC402N Remote	\$2,500.00

SPECTRA PRECISION® GL612 GRADE LASER AND GL622 GRADE LASER

The GL612 Single Grade Laser and GL622 Dual Grade Laser are rugged, automatic self-levelling lasers with grade capability from -25% to + 25% and can be used for a wide variety of grade, excavating and alignment applications by general and specialty contractors. Both lasers come with a radio remote control that provides fully functional capabilities up to 100m (330 feet) from the laser transmitter – even from the cab of a machine. The graphical, menu driven interface makes the lasers simple and easy to use and can be set to 16 different languages. The ability to operate the laser whilst working away from the laser transmitter can significantly reduce set-up times and increase productivity.

Each laser package includes the advanced HL750 Digital Readout Receiver that can be used at an operating diameter of up to 800m (2,600 feet). The Digital Readout allows the user to get to the on grade position faster as the distance is displayed to the on grade position in mm, or inches, fractional inches. Wireless communication between the receiver and the laser allows advanced functionality such as Automatic Grade Matching to be achieved. Automatic Grade Matching basically means that the laser moves to the on-grade position on the receiver and the grade is then calculated – this is generally used when a constant fall is desired but the grade may not be known (renewing existing driveways or matching existing surfaces). The HL750 can be paired with another HL750 turning the second receiver into a remote display that could allow a machine operator to see what the rodman is seeing when dipping for levels. Both GL612 and GL622 are self-levelling in vertical, allowing more productivity by being able to carry out more tasks such as building axis alignment or setting 90 degrees or aligning anchor bolts. Designed to be used on the toughest jobsites the GL612 and GL622 can withstand a 1m (3 feet) drop.

Laser Source	Red Diode Laser, 650nm
Laser Accuracy	1/16" @ 100', 10 arc seconds
Self-Leveling Range	±5%
Operating Diameter	2,600 ft
Leveling Indicators	LCD Indications and LED Flashes
Power Source	NiMH Battery Pack
Battery Life	35 hours NiMH, 50 hours Alkaline
Rotation Speed	GL612: 300, 600 rpm / GL622: 0 to 900 rpm
Water Resistant	Yes – IP67
GL612N – Automatic Single Grade Laser	\$2495.00
GL622N – Automatic Dual Grade Laser	\$2895.00



PIPE LASERS



SPECTRA PRECISION LASER PIPE LASERS

The Spectra Precision® Laser DG711 and DG511 pipe lasers are completely waterproof and designed to ensure easy cleanup. Fast setup and easy to use with straightforward, "no-instructions-required" controls. Through the Service Alert feature, they keep track of their own maintenance needs, indicating at pre-set intervals when it's time for a check-up.



Featuring a very rugged design and a variety of unique technological capabilities. These Pipe Lasers stand up to corrosion from acids, chemicals, salts and other destructive underground elements as well as to the physical abuse typical in the construction industry.

- Widest automatic self-leveling range available for quick, easy setups regardless of grade.
- Line Alert feature alerts when the setup line has been disturbed, ideal for working in high-vibration or wet conditions.
- Ability to raise the beam outside of the trench for fast line setup or checking, eliminating the need to move the excavator off line during setup of the pipe laser.
- Patented Target Lens transfers the beam up at an angle for easy viewing by the pipe layer.

Model	DG711	DG511
Grade Range	-15% to +40%	
Self-Leveling Range	Complete grade range (no rough leveling required)	
Line Range	20°	
Line Center	Yes	
Grade Zero and Quick Grade	Yes	
Line Set/Check	Yes	
Line Alert	Yes	
Temperature Compensation	Yes	
Grade Compensation	Yes	
Maintenance Interval Notification	Selectable intervals: 3, 6, 12, 18 or 24 Months	
Laser Output	4.5-5mW (maximum Allowable)	
Housing Material	Armored Die Casting	Hard Anodized Aluminum
Battery Type	NiMH / 60 Hours with Daily Setup at 20° C	
Waterproof	Continuous Submersion at 3m (10ft)	
Wireless Remote Specifications		
Functionality	7 button Power, Line and Grade Adjustment, Line Set	3 Button Power, Line Adjustment
Through the Pipe Range	225 m (750ft)	
Front/Over the Top Range	150 m (750 ft)	
Rear Range	10 m (30 ft)	
Battery Life (normal operation)	2 Years/24 Months	3 Years/36 Months
Part Number	DG711	DG511
Price	Call For Price	Call For Price

PIPE LASERS

TOPCON TP-L5 PIPE LASER

The Topcon TP-L5 Series of alignment lasers offer a unique combination of features and technologies that are proven to meet the demands of contractors more than any other alignment lasers on the market. No matter your specific application, trenches, sewers, over the top measuring, or even in mining and tunneling, the TP-L5 Series is the industry standard.

TP-L5's patented GreenBeam technology provides the brightest, most visible laser beam available. It's easily viewable in the brightest outside conditions. The TP-L boasts a new even easier to read menu with a bright LCD display. The RC-200 remote puts all of the features at your fingertips whether you're at the laser or over 600 feet away.

TP-L5B Pipe Laser w/Red Beam Call for Price

TP-L5G Pipe Laser w/Green Beam and Auto Line Feature Call for Price

Specifications	Model TP-L5
Horizontal Accuracy	±10" arc seconds
Auto Line Centering	Yes
Auto Grade Zeroing	Yes
Housing Construction	Cast Aluminum
Line Range	±15%
Plumb Reference	Yes
Laser Source	633 nm Red Diode, 515 mm Green Diode
Waterproof	At least 16.5' for 2 hours
Grade Range	-15% to +40%
Operating Time	Red – Alkaline: 77 hours. Rechargeable: 53 hours Green – Alkaline: 54 hours. Rechargeable: 40 hours
Operating Temperature	-4°F - 122°F
Warranty	5 Years
Part Number	329560111



AGL GRADELIGHT 3000 PIPE LASERS

The GL3000 communicates with the AutoTarget using IR. Place the GL3000 and the AutoTarget in the pipe and activate the target. The rotating laser will automatically find the center of the AutoTarget. It's also possible to use a standard receiver of any rotating laser instead of the AutoTarget. After activating the vertical laser, it can be moved with the remote control left or right, into the correct direction for precise alignment. The GL3000 vertical rotating beam will also indicate a vertical level exactly in the direction of the laser beam. This is useful in finding a range pole outside of the ditch for aligning a machine, hub stakes, fence posts.

Specifications	GL3000	GL2700
Self-Leveling Range	+45% to -15%	
Accuracy	±1/16" at 100'	
Cross Axis Leveling	Automatic (6°)	Manual
Beam Type/Output	Visible laser diode, 635 nm, < 5mW, Class 3R	
Environmental	IP68, Nitrogen Purged	
Power Supply	1) Rechargeable lithium ion battery pack 2) 110/230V AC converter (charge and run simultaneously) 3) Spare battery compartment for 4 "D" alkaline batteries	
	Std. 12V Power Cord	Opt. 12V Power Cord
Battery Life	40 hrs Li-ion battery; 50 hrs. alkaline	
Operating Temperature	-4° to 122°F	
Size	Diameter: 5.5" Length: <10.5"	
Weight	7.6 lbs w/alkaline battery	
Warranty	2 Years	
Price	Call for Price	Call for Price
AGL Pipe Laser Target	P/N: 4-09635	\$31.95



PIPE LASERS

CST/BERGER LMPL-20 ELECTRONIC PIPE LASER

The LMPL-20 is constructed from cast aluminum and is nitrogen purged, then sealed for total waterproofing. All internal components of the Pipe Laser are protected with a rugged aluminum housing, so the LMPL-20 can handle harsh demands.



- Battery pack loads from the top
- Large, backlit LCD display
- Dual-Wave Technology (IR and RF frequencies)
- Two-way RF control
- Heavy duty removable handle

- Cross Axis Self-Leveling
- Auto Line Centering
- Auto Grade Zeroing
- LED Plumb Reference



Laser Diode	635nm
Operating Range	Above Ground: 800ft (240m) Under Ground: 300ft (92m)
Grade Range	-15%, +40%
Line Range	±15%
Horizontal Accuracy	±10 arc seconds
Temperature Drift	1 arc second per degree C
Power	Rechargeable NiMH Battery Pack or Alkaline Batteries
Package Contents	RF Remote Control, Target Set, Hard Shell Carry Case, Rechargeable NiMH Battery Pack, Alkaline Battery Pack, 12v External Power Cord, Leg Set for 8-10-12" Pipe, Instruction Manual
Part Number	59-LMPL20
Price	Call for Price



Full line of GeoMax products available.

Call for more information.

766160 – Geomax ZDL700 Digital Level

Geomax Zenith 25 Base and Rover UHF, GSM Package

Geomax Zoom80R, 1", 2", 5" Robotic Total Station Package

Geomax Zoom30 Pro 2", 3", 5", 7" 400m Reflectorless Total Station

Geomax Zoom30 Pro 2", 3", 5" 600m Reflectorless Total Station

Geomax Zoom30 Pro 1", 2", 3" 4" 1000m Reflectorless Total Station

SPECTRA PRECISION® UNIVERSAL LASERS

SPECTRA PRECISION® UL633 AND UL633-1 UNIVERSAL LASERS

Sometimes deciding on the right laser for the job can be a daunting task and can mean that multiple types of lasers have to be used on one jobsite. With the Spectra Precision UL633 you do not have to worry it is Universal and can do multiple applications. It is a flat, spinning laser, can do single and dual grades, vertical alignment, set 90 degrees, help square from an existing structure and can be used to lay pipe – that’s what makes it Universal. Small contractors can do more work on their own and larger contractors do not have to worry about sending the wrong laser or multiple lasers to any jobsite.



- **Multiple Applications** - The Spectra Precision UL633 Universal Laser is the first construction laser that provides the ability to control level, alignment, single/dual grade and even do grade in vertical like a pipe laser allowing you to do more work with one tool.
- **Automatic self-levelling** - provides fast, easy set-up for horizontal level, grade or vertical alignment.
- **Automatic Grade Matching** - meaning the laser moves to the on-grade position on the receiver automatically by communicating wirelessly with the receiver and the grade is then calculated – this is generally used when a constant fall is desired but the grade may not be known (renewing existing driveways or matching existing surfaces)
- **Grade Range** - Large, fully compensated grade range from -25% to 25% - keeping the laser levelled no matter what grade you need reducing errors and improving productivity.
- **Anti-Vibration Filter** - A laser can be affected by high vibration or strong wind, especially when the laser is mounted on a tall tripod –the UL633 has an anti-vibration filter that can be set according to the conditions allowing work to continue regardless of wind conditions or excessive vibrations.
- **Temperature Compensation & PlaneLok** -As temperature fluctuates throughout the working day, the internal components of a laser can expand and contract which can cause some additional error without the user noticing. This is firstly resolved through the automatic temperature check that the laser performs where the internal software calibrates the laser to its optimal performance based on the temperature. Additionally the PlaneLok function can be activated. This keeps the laser beam fixed to a receiver in a set a position eliminating any error that can be caused by fluctuating temperatures, keeping the laser accurate and error free.
- **Automatic Axis Alignment** - A critical factor when working with grade is alignment to the grade hub. If an alignment is off, error can be introduced and exaggerated. The UL633 has an Automatic Axis Alignment function, allowing the user to set-up simply and quickly, maintaining accuracy and eliminating costly errors. The Automatic Axis Alignment function has the added benefit of being able to simultaneously align on two axes not at 90 degrees to each other. This is especially useful when trying to construct envelope set-ups on a concrete pad or when setting a dual grade for a drainage channel intersecting another channel at an angle not at 90 degrees to the main run.
- **Vertical Grade** - The Spectra Precision UL633 vertical grade capabilities are enhanced with the use of the SF601 Spot Finder. This accessory allows automatic alignment of the plumb beam. This provides fast alignment to a manhole on a first day set-up, or to quickly set-out a 90 degree angle. Additionally the Spot Finder can be used to check the grade in pipe on a second day set-up. The beam locks onto the Spot Finder and displays the actual grade on the remote and the laser, saving time and eliminating lengthy manual calculations.
- **Rugged** - Designed to operate on the toughest of jobsites, the UL633 can withstand a 1m drop directly onto concrete or 1.5m pushover on tripod, eliminating costly repairs.
- **Mask Mode**- The UL633 has a virtual masking function that allows the laser beam to be turned off in up to 3 sides, avoiding false reading from glass reflections or interfering with other lasers on the same jobsite.

UL633	w/HL750 Receiver, Rod Clamp w/bubble vial, RC603 Remote	\$3,025.00
UL633-1	w/2 x HL750 Receiver, Rod Clamp w/bubble vial, RC603 Remote.....	\$3,225.00

SPECTRA PRECISION® LASER RECEIVERS

SPECTRA PRECISION DR400 DIGIROD™ GRADE CHECKER

The Rod-Less Grade Checker

The Spectra Precision® DR400 DigiRod™ Digital Rod is a versatile, revolutionary tool that eliminates the need for grade rods when checking grades with a rotating laser. The combination of a laser receiver with digital readout, laser distance meter, and built-in tilt sensor provide the information required to take rod-less, accurate grade readings, even at tilt angles up to 30 degrees.

- Check heights without grade rods
- Tilt compensation ensures accurate readings
- Large, easy to read, graphical display
- Multiple units of measure – m/ft/in
- Non-contact elevation measurement
- Anti-strobe sensor
- Extremely durable and portable
- 5 Year Warranty



STAND ALONE HANDHELD DISTANCE METER

- Range up to 160 ft
- Accuracy of ±1/16"
- Multiple units of measure

STAND ALONE LASEROMETER

- Digital readout of elevations
- 5 On-Grade Accuracies
- Large 5" reception height

DR400 Rod-Less Grade Checker DigiRod™\$695.00 each

SPECTRA PRECISION® HR320 RECEIVER

- Dual LCD's on front and rear are ideal for general exterior applications
- Two on-grade sensitivities (fine and coarse) allow getting to grade fast
- Snap-on rod clamp (included) allows quick switching from rod-mounted to handheld applications
- Strong, IP67 waterproof housing
- Loud 100 db loud speaker can easily be heard. 3 adjustable speaker levels
- Includes C59 rod clamp



HR320\$195.00 each

HL450 LASEROMETER – IDEAL FOR USE WITH ANY ROTATING TRANSMITTER

- Digital readout of elevation
- Anti-Strobe Sensor stops construction strobe lights from setting off the receiver
- Large 4" reception
- Withstands direct drops up to 5' on to concrete
- Full weather and dust proof design, including battery compartment



HL450\$295.00 each

HL700 LASEROMETER – HIGHLY VERSATILE RECEIVER FOR BASIC AND ADVANCED LEVELING AND ALIGNING

- Digital Readout of Elevation provides a numeric display of ±2 inches and shows exactly how far the elevation is from on-grade
- Large 5" reception height
- Anti-Strobe Sensor stops construction strobe lights from setting off the receiver
- Multiple on-grade sensitivities to customize accuracy needs to application
- Totally waterproof and can withstand a drop of 10' onto concrete
- Simultaneous elevation LED's signal in low light levels and over a longer range
- Two clamp positions for cut/fill or excavation
- Three year "No Excuses" warranty
- C70 Adapter with Bubble Vial included



HL700\$375.00 each

HL750U LASEROMETER – UNIVERSAL RECEIVER FOR RED AND GREEN LASER APPLICATIONS

The HL750U with Radio Communication is a stand-alone receiver that works with ANY general construction, site work, agriculture, machine control or highway and heavy rotating laser transmitter, including Green Beam lasers. The HL750U has an internal, long range (260') high speed digital radio built inside that allows the receiver to communicate with any other HL750, HL750U or the GL512 and GL522 laser transmitters. Two HL750U's can be used together for long range wireless remote display and monitoring – even when the 2nd receiver is out of sight. C70 Adapter with Bubble Vial included.



HL750U\$415.00 each



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WWW.CSPSURVEYEQUIPMENT.COM

SPECTRA PRECISION® LASER MACHINE RECEIVERS

SPECTRA PRECISION® LR30 & LR30W LASER MACHINE DISPLAY RECEIVER *Rugged 360-degree Laser Machine Display Receiver*

The Spectra Precision® LR30 Laser Machine Display Receiver is designed to be used as a stand-alone display receiver on grading and excavating equipment including: dozers, backhoes, excavators, scrapers, skid steers, and levelers. The versatile, easy-to-use LR30 features 360-degree laser detection and works with all types of rotating lasers on all types of machinery for fast, no-hassle setup. Rugged and waterproof, the LR30 receiver withstands all weather environments. Internal isolating shock mounts protect the electronics. The LR30W is designed to work with the RD20 Remote Display.



- Five channels of grade information plus directional and out-of-beam indicator
- Three selectable accuracies meet job tolerances from rough grading to final finishing
- Full 360-degree reception picks up the laser from all directions
- LR30W links wirelessly to the RD20 in-cab display
- Applications: Machine mounted grade checking, Grading and Leveling

LR30-1	Alkaline	\$1,295.00 each
LR30	NiMH	\$1,395.00 each
LR30-MM	NiMH, MM-1 Magnetic Mount	\$1,595.00 each
LR30W	NiMH w/RD20 Remote	\$1,720.00 each

SPECTRA PRECISION® LR50 AND LR50W RECEIVER *Features Built-In Blade Tilt and Excavation Plumb Indicator*

- Built-in blade tilt indicator helps the operator keep the blade level for increased accuracy and productivity
- Center On-grade provides an equal amount of grade information above and below on-grade. Use on dozers, graders, scrapers and box blades
- Built-in plumb indicator for fast, accurate grade checking in excavation applications
- Offset on-grade gives you more range above grade using the entire receiver for more productive excavation
- LR50W links wirelessly to the RD20 in-cab display



LR50	Alkaline	\$1,795.00 each
LR50-MM	NiMH, MM-1 Magnetic Mount	\$1,995.00 each
LR50W	NiMH, MM-1 Magnetic Mount w/RD20 Remote	\$2,120.00 each

CUSTOMER NOTES:



MACHINE CONTROL RECEIVERS

AGL MACHINE CONTROL VISUAL DISPLAY SYSTEM

360° Machine mounted receiver

The MR360R offers accurate grade information for all visual machine control applications. Large 360° detection windows pick up any rotating laser, from any angle. Built-in vertical indicator monitors angle of the stick, signaling if it's plumb or under- or overextended. Vertical position ensures consistent and accurate grade readings, saving money by reducing over- or under-cutting.

- 5 LED indicators show position of the bucket or blade in relation to laser beam.
- Vertical indicator LED on receiver blinks if dipper stick is not plumb. LED arrows on remote display indicate which way to move to straighten the stick.
- Memory function stores the last signal received. Arrows indicate if the beam is high or low, allowing you to quickly reach the reference plane.
- Rugged, waterproof construction.
- Built-in shock mounts minimize machine vibrations.
- Selectable accuracy (fine and coarse).



Specifications	MR360R
Type	Visual Display System: Use alone or with MD360R in-cab remote display
Application	Excavators or backhoes (magnets): dozers, drag boxes, or skid steers
Range (radius)*	650 ft
Capture Height	9.75"
Grading Accuracy*	Fine: 1/4" typical. Coarse: 1/2" typical
Channels of Information	7 display channels – coarse mode. 9 display channels – fine mode
Rotating Laser	Visible or Infrared
Attachment	Magnets or Clamp
Power Source	Rechargeable NiMH battery. Remote: 12-24V power cord with accessory plug
Battery Life	30 hours
Environmental	Waterproof
Other Features	Built-in plumb indicator for excavator use
Size	14.75" x 3 x 4.25"
Contents	MR360R with heavy-duty clamps and remote display
Price	\$1995.00
* Range and accuracy vary depending on laser used	



MACHINE CONTROL RECEIVERS

TOPCON LS-B10 RECEIVER

The LS-B10 laser receiver delivers a versatile, low cost indicate solution for grade checking and machine control grade applications. With its integrated magnetic mount, the LS-B10 can be easily installed on a vast array of machines. With its small, lightweight design, the LS-B10 with Holder-6 is



Specifications	LS-B10
Detective Angle	360°
Detective Precision	±3mm
Continuous Operating Time	Approximately 100 hours
Operating Temperature	4°F - 122°F
Dust/Water Protection	IPX66
Warranty	1 Year
Price	Call for Price



TOPCON LS-B100 RECEIVER

Fast to set up and easy to use, this affordable depth control sensor can be mounted to your equipment and working within minutes. Features include an Accuracy Mode and Battery Life Indicator. The Power Save/Auto Cut Off function helps save your battery life.



Specifications	LS-B100
Horizontal Detecting Range	270°
LED Grade Indicators	Red, Green and Red
Operating Time	Approximately 100 hours
Size	4.5" x 1.6" x 7.1"
Weight	Less than 500 g
Warranty	1 Year
Price	Call for Price



MACHINE CONTROL LASER TRAILER

- 4 Jacks for easy leveling
- Adjustable elevated column
- 15" Tires with fenders
- Sturdy square tubing frame
- Anti-Slip Steps
- 2" Trailer Hitch
- Elevator columns are available

1MC LASER TRAILER\$2,195.00 each



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TOTAL STATIONS

FUTURA TS-100 REFLECTORLESS TOTAL STATION

The Futura TS-100 Total Station provides superior performance at an unbeatable price for survey and construction applications. It's built tough to survive in extreme conditions, yet easy to set up and put to work quickly.



The TS-100 features 200m reflectorless operation and up to 2000m using a single prism. There's even a built in laser pointer to aid in layout work. The TS-100 is the perfect solution for construction layout and surveying.

- 24,000 point memory capacity
- IP54 environmental rating
- 23 hour battery life
- Full 24 key alphanumeric keypad



Specifications	TS-100
Magnification	30X
Image	Erect
Field of view	1°30'
Min. Focus Distance	1.3m
Accuracy	2"
Axis Compensator	1 axis, ±3' (Compensation Range)
Accuracy – Reflectorless	(3+2 ppm x D)mm
Accuracy – Prism	(2+2 ppm x D)mm
Control Panel	2 Sides
Interface	Serial RS-232C
Optical Plummet Magnification	3x
Operating Temperature	-20° to 50°C
Weight w/Battery & Tribrach	4.9kg
Battery	BT-78Q
Price	\$3,995.00

SECO TOP LOADING TOTAL STATION CASE

Heavy duty cases for your total stations,

- Features a Rhinotek bottom
- Durable backpack straps.
- Orange
- Front Loading
- Aluminum Frame
- Measures 14" x 9" x 7"



8122-00-ORG\$202.75 each

**NEED AN
INSTRUMENT
REPAIRED?**

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REPAIR FACILITY!**

CARLSON HARDWARE

CARLSON BRX5 GNSS RECEIVER

The Carlson Brx5 GNSS Receiver is an affordable, versatile, and effective high precision GNSS receiver. Users will get better x,y accuracy in your field as the BRx5 is designed to work seamlessly with most data collectors. Can be configured as a Base, Rover, or Network Rover. It is a fully integrated 270-channel GNSS receiver with UHF radio and GSM cell modem. Carlson's exclusive LDL (live digital level) feature in SurvCE 4.0 uses the Brx5's internal level sensors to provide electronic leveling for better x,y accuracy while working. In addition, the BRx5 holds fix under canopy better than most GPS systems currently on the market. Dual Bluetooth ports allow the data collector to be connected to a cell phone and dual Hot-Swap Batteries allows the user to work without stopping to recharge or replace battery packs. Designed for use by surveyors, contractors, builders, engineers, and many others, the Carlson Brx5 can be purchased as either a Rover package or a Base/Rover. The Base/Rover package includes to BRx5 GNSS receivers, one hard-sided carrying case, four BRx 5 batteries, one GPS tribrach and one tribrach adapter, and two Carlson GPs receiver poles.



BRX5Call for price

CARLSON CR2 & CR5 TOTAL STATIONS

The super reliable, easy-to-use Carlson CR2 and CR5 robotic total stations provide users with the most efficient way to survey with the advanced positioning technology of AIM360, TRACK360, and SCOUT360. The Carlson CR2 and CR5 total stations enable users to minimize the time needed to complete any type of survey task. The built-in laser plummet allow for centering accurately and easily every time. Maximum accuracy regardless of the distance or conditions is achieved with the units' extra small laser footprint and sophisticated signal processing technology. Alignment aids help to speed staking-out work and users are also able to track a target continually, as once the instrument is locked onto a prism, it will remain precisely targeted. The CR2 and CR5 are made to work with Carlson SurvCE, which simplifies the entire process even more.



CR2Call for price

CR5Call for price

CARLSON MINI2—DATA COLLECTION HARDWARE

The Carlson MINI2 data collector is small, but mighty, and designed to boost productivity and speed with an extra-bright screen, long-lasting battery, and improved GPS technology to perform better in natural surroundings. With an IP68 rating (even better than the original MINI), the MINI2 is both waterproof and dustproof, and is tested to MIL-STD-810G, ensuring it will meet the environmental demands of the surveying industry. The MINI2 also has several noteworthy advancements, including an extraordinarily bright display, a custom battery that lasts 20+ hours on one charge, and a highly scratch-resistant capacitive touchscreen with glove-friendly numeric keypad, for faster and more accurate data entry. The rugged Carlson MINI2 is compact: 3.6" w x 7.25" h x 1.5" deep with an extra-large 800x450 TFT display which allows for easy viewing of survey data. It has a fast, 1.0 Ghz processor and can fit comfortably in one hand weighing only 1.3 pounds. The MINI2 is shockproof up to 4 to 5 feet onto concrete and the touch screen has chemically strengthened glass. It comes with either Carlson SurvCE, the world's most popular data collection software, or Carlson GIS360, which incorporates both GIS and surveying workflows to collect data in the field; or for crash and crime reconstruction, Carlson CSI Mobile.

MINI2 Call for price



CARLSON PANASONIC FZ-M1 TABLET

Offering the power of a PC in the palm of your hand. The Panasonic FZ-M1 is the world's thinnest and lightest fully- rugged 7" Windows® tablet, built to enable mobile productivity without compromise. Powered by Windows® 8.1 Pro and a choice of two Intel® processors, the M1 with an Intel Coretm i5-4302Y Processor (Dual Core) features a long life, user-replaceable battery and a daylight-readable, high-sensitivity multi touchscreen for use with heavy gloves.



Bundled with Carlson SurvPC – the Windows- based data collection program – with the option of running with the Esri OEM program for use in the field. Or use in the office with any Carlson office software.

FZ-M1Call for price

CARLSON SURVEYOR2 DATA COLLECTOR

Fast, durable, and powerful, the Carlson Surveyor2 is the world's most reliable data collector. It is designed for surveying, stake out, construction layout, and GIS mapping. The Carlson Surveyor2 is completely ruggedized, with an IP68 water and dust resistant Ingress rating. Still weighing just two pounds, the Carlson Surveyor2 offers increased program memory (now 512MB) and increased non-volatile data storage (now 8 gigabytes) — and a 1.0 GHz processor to provide the speed surveyors need in the field.



The Surveyor2's new QWERTY keyboard eases data entry and is designed to be workable even for those with large hands or wearing gloves. The unit's backlit keys and larger, brighter display screen allow users to work effectively in all lighting conditions. In addition, it comes equipped with significantly increased Bluetooth range – up to 1500 feet when paired with a class I device. The easy-to-use, tab-based menu and advanced graphics in Carlson SurvCE 4.0 work perfectly on the Carlson Surveyor2, enhancing its usability. Other options available with the Surveyor2 include an integrated GSM cell modem for real-time connectivity, an integrated 5 MP camera with LED illuminator that doubles as a flashlight, and a mapping grade GNSS receiver.

SURVEYOR2.....Call for price

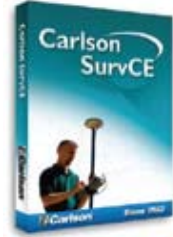
CARLSON SOFTWARE

CARLSON SOFTWARE

SURVCE / SURVPC (FOR USE WITH CARLSON DATA COLLECTORS)

Carlson SurvCE is the premier choice in data collection software, combining advanced functionality, ease-of-use, and sheer capability. Carlson SurvCE offers complete data collection systems for Real Time (RTK) GPS/GNSS, and Total Stations with in-field coordinate geometry. It supports the widest range of popular and new release RTK GPS and conventional/robotic total stations.

Carlson SurvCE is the premier choice in data collection software, combining advanced functionality, ease-of-use, and sheer capability. Carlson SurvCE offers complete data collection systems for Real Time (RTK) GPS/GNSS, and Total Stations with in-field coordinate geometry. It supports the widest range of popular and new release RTK GPS and conventional/robotic total stations. In its newest release, SurvCE gives users the option to import text in drawings in addition to blocks; allows GPS base records from the raw file to be processed into the CRD file; and offers a new 2D sketch polyline and snap option. A tab-based menu structure makes it easy to use. All commands are visible in each menu, preventing the need for Up-Down Arrow Keying to view options. Points can be collected in the graphics mode. Points plot as they are shot in the field or entered. Carlson SurvCE supports LandXML points, DTM, graphics, alignments, profiles, and sections. SurvCE can read the GIS feature/attribute structure from a client's Esri GIS geodatabase; collects additional survey-grade data to that schema; and, writes it back as ArcGIS-compatible data in a single seamless workflow. No office software required.



SurvCE / SurvPC modules available (call for pricing):

- SurvCE / SurvPC Basic 4.xx (Contains TS Only)
- SurvCE / SurvPC Robotic 4.xx [Requires SurvCE Basic (TS)]
- SurvCE / SurvPC GPS 4.xx [Requires SurvCE Basic (TS)]
- SurvCE / SurvPC GPS Only 4.xx [Does Not Require SurvCE Basic (TS)]
- SurvCE / SurvPC Adv. Rooding 4.xx [Requires SurvCE Basic (TS) or (GPS)]

Other Carlson Software Available:

Carlson CADnet – create CAD from non-CAD documents such as PDFs, raster images and paper plans.

Carlson Field – real-time kinematic GPS and total station data collector directly in CAD.

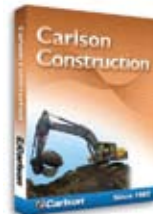
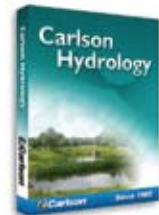
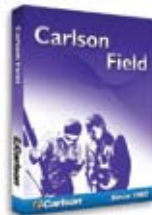
Carlson GeoTech – provides the ability to import borehole data for analyzing subsurface conditions and materials. Place drillholes, define strata, calculate volumes and produce quality reports.

Carlson Civil for Office Design – create better road, site and subdivision designs in less time with robust automation and ease-of-use.

Carlson Hydrology – hydrologic and hydraulic software solution that works simply in the commonly user CAD environment of polylines, text and layers.

Carlson Trench – for calculations related to installing pipes, sewers or utility lines.

Carlson Construction for Office Design – for the model-building needs of the land development professional.



CST/BERGER OPTIMA® SERIES ALL-METAL PRISMS

Designed to optimize performance and maximize value. Pay less without settling for less. The optimum performance Prism with a lifetime warranty. Features:

- 0/-30mm Constant Prism System.
- All metal holder and target warranted for life.
- Fully compatible with leading manufacturers
- Tension adjusting brass knob.
- Nickel plated brass 5/8-11 bayonet adapter



63-1010V	Value Line Optima, Single Tilt Prism Assembly	\$129.95 each
63-1010	Single Tilt Prism Assembly with Target	\$179.95 each
63-1040	30/40mm Prism Assembly with Target	\$219.95 each

CST/BERGER 0/-30MM UNIVERSAL POLYCARBONATE PRISMS

These popular value priced 62.5mm (2 -1/2") diameter prisms have been further improved to provide long-term trouble-free use. New can, lens cover, yoke rib design and polycarbonate material make these prism assemblies an outstanding value. Features:

- Aluminum yoke and Delrin™ washers for excellent wear and long-term performance
- Precision ground glass up to 2 arc seconds
- Fully compatible with leading manufacturers
- Single tilt holder tilts to 350°
- Stainless steel hardware
- Nickel plated brass 5/8 -11 bayonet adapter
- Prism canister and holder/target molded from durable lightweight polycarbonates



63-2010	Single Tilt Prism Assembly (0/-30mm)/Plastic Yoke	\$179.95 each
63-2010M	Single Tilt Prism Assembly (0/-30mm)/Metal Yoke	\$189.95 each
63-2011	Replacement Prism in Canister (2-1/2"/62mm)	\$139.95 each
63-2012	Replacement Yoke, Single Tilt Mount Only (Plastic)	\$72.95 each
63-2012M	Replacement Yoke, Single Tilt Mount Only (Metal)	\$81.98 each

CST/BERGER MINI PRISMS (25.4MM/1" DIAMETER)

The Peanut Pack™ is a complete and versatile mini system. Peanut Pack™ includes a complete Tilting Targeted Mini Prism Assembly – plumb bob prism mount, prism point and padded Cordura case with metal belt hook. The Peanut Pack™ provides low cost versatility for shots up to 3000 feet (approximately 900 meters). It's small and light which makes it priceless on shots that involve rough terrain. The versatile mounting options create more freedom and speed in setup. The Peanut Pack™ is virtually indestructible under most working conditions.



Some important features are:

- 0/300mm dual offset
- Prism diameter: 25.4mm (1")
- Precision prism ground up to 2 arc seconds
- Dual-sided tilting target
- Black anodized aluminum can
- New o-ring gasket, improved sealing and durability
- All holders have an on board bubble level
- Stainless steel hardware
- Holders molded from durable and lightweight polycarbonate
- Can's point permits measurement of corners
- Custom made lens cover

65-1500M	\$149.95 each
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OMNI ALL METAL PRISM ASSEMBLY

Compatible with all leading instrument manufacturers. Up to 2" arc second accuracy. 0/30mm Complete Assembly. Target Size 6.9" x 5.5"/17.6 x 14cm. Orange



9300-C-O	Aluminum 0/30mm	\$159.95 each
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SITEPRO SINGLE TILT PRISM SYSTEM

- Fully compatible with leading manufacturers such as Sokkia, Trimble, Topcon, etc.
- Built-in peep sight for easy setup
- Precision glass up to 2 arc seconds with 0/30mm offset tilting prism assembly
- Prism canister and holder/target molded from durable lightweight polycarbonate, with metal yoke
- Tilts to 360 degrees



03-2010M-0	Plastic w/Metal Yoke	\$159.95 each
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SECO 62 MM REAR LEVER LOCK PREMIER PRISM ASSEMBLY

- Incorporates a simple stainless steel locking mechanism that's easy to set
- Prism can be mounted in 0 or -30 mm offset positions
- 115 mm tilting axis height
- Heavy-duty 62 mm silver-coated prism is sealed in canister with "O" ring to
- 5.5" x 7"



6422-20-YLB	Flo Yellow w/Black	\$198.95 each
6422-20-FOB	Flo Orange w/Black	\$198.95 each

CST/BERGER TRIPLE PRISM BAG

- Heavily padded for Single or Triple Prism Assemblies
- Orange



P/N	Description	Dimensions (HxWxD)	Price
61-2540	Triple Prism Bag	9" x 7" x 2.5"	\$36.95
61-2541	Small Prism Bag	8.5" x 8.5" x 4.5"	\$36.95
61-2542	Large/Tall Prism Bag	16.5" x 10.5" x 8.5"	\$49.95

RIGHT ANGLE PRISMS & HAND LEVELS



RIGHT ANGLE PRISMS

CST/BERGER LARGE DOUBLE RIGHT ANGLE PENTA PRISM

Permits stepping off angles of 90° and 180° with a center lens which permits foresight viewing. Slot in handle accommodates plumb bob cord. Features a large field of view and larger foresight viewing glass. Complete with leather belt loop case. Measures 3-3/4" (95mm) top to bottom.



66-911..... \$77.95 each

SOKKIA DOUBLE RIGHT ANGLE PRISM

Two prisms allow for sight to the right and left and clear optical glass for viewing straight ahead. Metal construction. Includes leather case.



724780..... \$78.95 each

CST/BERGER HAND LEVELS

POCKET SIGHTING LEVEL

Berger Model 141. No magnification. Ideal for preliminary survey and simple distance estimation. Sturdy impact-resistant body and easy-to-read protected vial. Includes instruction manual.



17-620..... \$21.95 each

LOCKE HAND LEVEL

5" long, square sighting tube with fixed eyepiece, durable black finish. No magnification. This can be used as a bench level. When supported on staff, it is sufficiently accurate for running levels in gardening and brick lines. Complete with Cordura™ belt loop case.



17-621..... \$28.95 each

5X MAGNIFYING HAND LEVEL

8" long, round telescope tube extends to 9". The objective lens is mounted on a movable slide which brings distant objects into sharp focus. Eyepiece focusing slide allows regulation of crossline image. 5x magnification of objective, and 2x magnification of level bubble. Solid brass construction with durable yellow finish. Stadia lines reading 1:100. Complete with Cordura™ belt loop case.



17-630..... \$96.95 each

EAGLE EYE 1X HAND LEVEL

Top-of-the-line heavy-duty hand level. Unsurpassed in quality, features and value. 1x model with stadia, this 5" level (extends to 7") is of all brass construction and features a non-glare internal finish. The internally mounted level vial assembly allows for easy replacement and maintenance. Positive 2-screw motion allows easy adjustment. Cordura™ belt loop carrying case included.



17-600EE \$59.95 each

"K & E" TYPE 2X HAND LEVEL

2-power magnification with all brass construction. 6" long with draw eyepiece extending to 7-1/2". Adjustable reflector and internally mounted bubble assembly. Complete with Cordura™ belt loop case.



17-632..... \$67.00 each

2X MAGNIFYING HAND LEVEL

6" long with draw eyepiece extending to 8". Adjustable reflector and internally mounted bubble assembly. 2x magnification. Complete with Cordura™ belt loop case.



17-631..... \$63.00 each

ROD LEVEL FOR WOOD RODS

Frame is made of a strong aluminum die casting, painted in bright red. The bubble is a large 7/8" diameter, 30 min. per inch of sensitivity, securely mounted into a recessed black housing. Adjustable vial, heavy duty frame.

06-750..... \$18.50 each



ABNEY LEVELS

5-1/4" ABNEY LEVEL

This level is 5-1/4" long with radius arc graduated 0 to 90° in both directions with vernire reading to 10 minutes and percent of grade scale from 0% to 100%. Comes complete with Cordura™ belt loop case.



17-640..... \$73.95 each

TOPOGRAPHIC ABNEY LEVEL

This K & E type Abney level is 6-3/8" long, extending to 7-3/8". Equipped with two interchangeable arcs with 47mm (1.85") radius. One arc is graduated in degrees, 0 to 60° in both directions. The other arc is graduated in topographic. Index has friction movement for time adjustment. Comes complete with Cordura™ belt loop case.



17-643..... \$124.95 each

5X ABNEY W/ STADIA

Level features a 5-power magnification with 1:100 stadia, 7-3/4" long, with draw tube extending to 8-5/8". Has two-inch radius arch graduated to degrees, 0 to 90° in both directions; vernier reading to 10 minutes. Also has percent scale (05 to 100%) in both directions. Complete with Cordura™ belt loop case.



17-645..... \$164.95 each

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Longview, TX 75602
903-653-4758

Little Rock, AR

6519 Murray St.
Little Rock, AR 72209
501-562-8815

Sibley, LA

132 Tharpe St.
Sibley, LA 71073
318-544-0132



PRISM POLES & ACCESSORIES



CST DURALAST RANGE POLES

Constructed of high strength aluminum core with alternating international orange and white ABS plastic tubing permanently attached to the aluminum. 5/8 -11 thread joints for quick assembly. Includes solid steel hardened point.



68-3708	8'- 2 Section Range Pole.....	\$44.95 each
68-3712	12'- 3 Section Range Pole.....	\$52.95 each
68-3078-1	Case for 8' Range Pole.....	\$16.95 each

CST QUICK-LOK™ ADJUSTABLE TOP PRISM POLE

- Sturdy and dent resistant aluminum construction
- 10th and metric (every 2mm) graduations



67-4508TMA	8' Prism Pole.....	\$119.95 each
67-4512TMA	12' Prism Pole.....	\$142.95 each
67-4515TMA	15' Prism Pole.....	\$179.95 each

CST QUICK-LOK™ COMPOSITE PRISM POLE

This pole is made of dent and kink resistant fiberglass composite sections and lightweight aircraft aluminum inserts.



67-4608TMA	8' Prism Pole.....	\$154.95 each
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CST COLLET LOCK, BRASS TELESCOPING PRISM POLE

- High strength aluminum – resistant to warping and breakage.
- 5/8 -11 mounting stud, 10th /metric graduations



67-4209TMA	8' (2.5m) 2 Section, Adj. H.I.....	\$149.95 each
67-4212TMA	12' (3.6m) 3 Section, Adj. H.I.....	\$179.95 each

CST QUICK RELEASE, PRECISE PRISM POLE

- The clamping mechanism is a pistol grip, quick release.
- "Lock-Tite™" holds set screw in position but allows adjustments of clamping tension to individual preference.
- 5/8 -11 mounting stud, 10th /metric graduations.



67-4308TMA	8' (2.5m) 2 Section, Adj. H.I.....	\$159.95 each
67-4312TMA	12' (3.6m) 3 Section, Adj. H.I.....	\$189.95 each

* Other CST Prism Poles Available



SECO QUICK-RELEASE TELESCOPIC PRISM POLES

Locking mechanism features adjustable tension via set screw in the handle and another set screw to assist in keeping the spring in position. Quick-Release handle lock allows for a simple and fast setup. Lock includes 40-minute level vial. Powder-coated and silk screened aluminum.

Dual Grads, 1 Section, Adjustable Tip, 8.53' Extended, 4.97' Collapsed, Weighs 3.30 lbs



5700-10RW	Red/White.....	\$189.95 each
5700-10FLY	Flo Yellow.....	\$189.95 each
5700-10FOR	Flo Orange.....	\$189.95 each

SECO TLV & TWIST-LOCKING TELESCOPIC PRISM POLES

- Wear-resistant for long life
- The soft rubber knob is easy to tighten or loosen, even when wearing gloves
- TLV lock features a convenient 40-minute vial built into the lock
- Dual Grad (0.01 ft/cm)
- Adjustable Tip
- Powder-coated and silk screened aluminum
- Red and White



5500-11	8.53' Extended, 4.97' Collapsed, 1 Section.....	\$169.95 each
5500-21	11.81' Extended, 5.18' Collapsed, 2 Sections.....	\$199.95 each
5500-30	15.25' Extended, 5.41' Collapsed, 3 Sections.....	\$257.95 each

PRISM POLE TOPO SHOE

5191.....	\$12.95 each
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REPLACEMENT RANGE/PRISM POLE POINT

8078-50.....	\$10.50 each
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DOUBLE-ENDED 5/8 -11 ADAPTER

68-3742.....	\$11.95 each
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SOKKIA TOPOGRAPHIC SHOE WIDE BASE

808852.....	\$19.50 each
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5191



8078-50



68-3742



808852

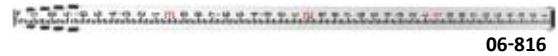
LEVELING RODS

TELESCOPING ALUMINUM RODS

CST's telescoping aluminum rods are made of a light and durable aluminum alloy. The anodized sections are imprinted with special weather resistant and corrosion resistant inks. Tight tolerances on extruded aluminum sections allow for smooth extension and prevent unnecessary clattering and sloppiness. The sectional joints are injection molded from a durable lightweight impact-resistant plastic. Rods are equipped with reliable and wear-resistant polycarbonate buttons that lock each section. Easy-to-read graduations and a special measuring scale on the backside permit users to read height at eye level.

Part Number	Length	Graduation	Sections	Price
06-804M	4-Meters	Metric "E"	4	\$58.95
06-805M	5-Meters	Metric "E"	5	\$63.95
06-808A	8-Feet	Ft./10ths/100ths	3	\$39.95
06-808C	8-Feet	Ft./Inches/8ths	3	\$42.00
06-808M	2.5-Meters	Metric "E"	3	\$42.00
06-813	13-Feet	Ft./10ths/100ths	4	\$58.95
06-813C	13-Feet	Ft./Inches/8ths	4	\$58.95
06-816	16-Feet	Ft./10ths/100ths	5	\$59.95
06-816C	16-Feet	Ft./Inches/8ths	5	\$59.95
06-820	Heavy Duty Nylon Bag – One Size Fits All			\$16.95

CST/berger



06-816



06-813C



06-808A

TELESCOPING RECTANGULAR FIBERGLASS RODS

The CR Series Leveling Rod Incorporates many features including a rectangular shape with rounded back corners for better gripping, a scale width graduated to fill the entire face of the rod, and measuring scale on the back side that allows for overall height readings.

These leveling rods are made with strong fiberglass, which is waterproof and corrosion resistant. The CR series is a natural for laser detector mounting with no special brackets required.

The CR series is non-conductive and features a 1/4 x 20 female adapter in the top section. A carrying case is included.

Part Number	Length	Graduation	Sections	Price
06-913	13-Feet	Ft./10ths/100ths	4	\$76.95
06-913C	13-Feet	Ft./Inches/8ths	4	\$76.95
06-916	16-Feet	Ft./10ths/100ths	5	\$92.50
06-916C	16-Feet	Ft./Inches/8ths	5	\$92.50
06-925	25-Feet	Ft./10ths/100ths	6	\$159.95
06-925C	25-Feet	Ft./Inches/8ths	6	\$159.95

CST/berger



SNAP-ON ROD LEVEL

- A perfect complement to CST/berger aluminum rods
- Snap on rod level fits snugly into the 06-series rods (left)
- Allows quick and convenient leveling
- Made from a durable engineered plastic, this rod level has a 30 min. vial.



06-850..... \$10.95 each

SOKKIA LEVELING RODS

You can count on the quality of the "original oval leveling rods." The Lietz/SKs are simply the best value available today.

- Unique patented oval shape permits equal size graduations, full-length and prevents rod from rolling
- Numerals and graduations epoxy-protected for maximum wear resistance and sized for maximum readability
- Linear accuracy exceeds 1 in 4,000
- Made from strong, corrosion-proof fiberglass that's lightweight and easy to carry; won't warp or swell
- Stainless steel base cap with sponge filter seals out dust and dirt
- 25 foot rod retracts to 5-1/2 feet for easy storage

Part Number	Length	Graduation	Sections	Price
8073-38	25-Feet	Ft./Inches/8ths	7	\$169.95
8073-48	25-Feet	Ft./10ths/100ths	7	\$169.95

SOKKIA



* Replacement Sections Available

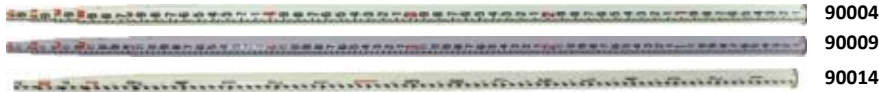
** Other SK Rods Available

TELESCOPING FIBERGLASS LEVELING RODS

Crain Leveling Rods have the most highly engineered locking system available – with molded plastic locks, buttons and base caps. They are the sturdiest rods available – designed for rugged use. Faces are silkscreened for durability and coated with polyurethane.

LR-STD STANDARD SERIES LEVELING RODS

The LR-Standard Series Leveling Rod is the original leveling rod, for many years, the industry standard. The LR series are round and have a smaller diameter making it easier to handle. The LR-STD is available in 25 ft. length in two graduations and one metric scale.



Part Number	Length	Graduation	Price
90004	25-Feet	Ft./10ths/100ths	\$262.95
90009	25-Feet	Ft./Inches/8ths	\$262.95
90014	7.5-Meters	Metric	\$262.95
91402	Nylon Carrying Case		\$18.95

LR-PRO PROFESSIONAL SERIES LEVELING RODS

The LR-PRO Series Leveling Rod is also an original rod. The LR-PRO is larger in diameter so that it is sturdier and easier to read at high heights. The LR-PRO is the only rod available in 35 ft. and 45 ft. lengths in feet/10ths/100ths only. Includes carrying case.



Part Number	Length	Graduation	Price
90022	25-Feet	Ft./10ths/100ths	\$312.95
90024	35-Feet	Ft./10ths/100ths	\$464.95
91402	Nylon Carrying Case		\$18.95

CRAIN SURVEYOR'S SERIES LEVELING RODS (SVR)

The Crain SVR Leveling Rod with a new sleeker design features a new shorter collapsed length (58.5 inches on 25-foot versions) and a lighter weight. It is constructed of strong, rigid fiberglass with reinforcing ribs and added stability. It's waterproof and non-conductive. The rectangular-oval shape allows for wide, glare resistant scales that are wear-resistant. A tight locking mechanism features round buttons that resist jamming from sand and dirt. Top section includes 1/4 x 20 female adapter.

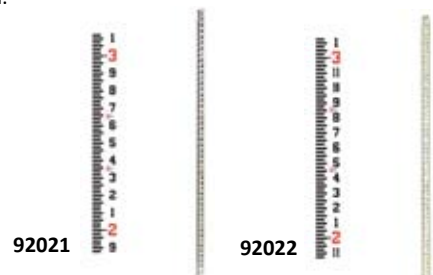
Part Number	Length	Graduation	Price
98020	17-Feet	10ths	\$168.95
98025	17-Feet	Inches/10ths	\$168.95
98010	25-Feet	10ths	\$205.00
98016	25-Feet	10ths/Philly Metric (Dual)	\$205.00
98011	25-Feet	Inches/Ft	\$205.00



SECO RECTANGULAR SERIES (CR) LEVELING RODS

Features include a rectangular shape with rounded back corners for better gripping. Scale width is graduated to fill the entire face of the rod and measuring scale on the back side that allows for overall height readings. Laser detector mounting with no special brackets required. Made with strong fiberglass which is waterproof, corrosion-resistant and non-conductive. Features 1/4" x 20 female adapter in the top section. Carrying case is included.

Part Number	Length	Graduations	Price
92021	13-Feet	10ths	\$95.95
92022	13-Feet	Inches	\$95.95
92041	16-Feet	10ths	\$129.95
92042	16-Feet	Inches	\$129.95
92031	20-Feet	10ths	\$135.95
92032	20-Feet	Inches	\$135.95



MEASURING RODS

HASTINGS NON-CONDUCTIVE TELESCOPING MEASURING STICKS

Makes one-man measurements horizontally or vertically quick and easy. These sticks are constructed of fiberglass and are non-conductive (voltage rating of 100,000 V per foot per 5 minutes). Use these sticks for measuring powerlines, ceilings and heights of trees.



English Sticks: graduated in ft., inches and half inches. Storage height 5 ft.

EI-140	25ft. extended	\$294.95 each
EI-130	30 ft. extended	\$378.85 each
EI-135	35 ft. extended	\$452.95 each
EI-140	40 ft. extended	\$572.95 each
EI-150	50 ft. extended	\$709.95 each

Metric Sticks: graduated in meters, decimeters and centimeters

2121	7.5m extended	\$299.95 each
2126A	10.5m extended	\$459.00 each
2141	12m extended	\$603.95 each
2144	15m extended	\$689.95 each

SOKKIA SK DIGITAL MEASURING POLES



- Enables one person to make measurements in those difficult spots that always used to require a second person, a ladder or a hook at the end of a pole
- Exact measurements of up to 26 ft. or 8m are conveniently read on the enclosed, sealed digital readout
- Rugged fiberglass construction with excellent tensile strength
- Easily withstands severe temperature and humidity variations
- Compact (only 4'8" closed) and lightweight (less than 5 lbs.) for easy carrying
- Smooth telescoping movement with friction clamps for no-slip extension
- Top section is foam-filled to prevent moisture from entering
- Increased spring tension gives rapid, no stick measuring tape rewinding action
- Dielectric strength of 100kV per foot per 5 minutes
- Complete with shoulder strap and carrying case

8073-76	Sokkia/SK Digital Measuring Pole in ft/in/8ths	\$299.95 each
8073-86	Sokkia/SK Digital Measuring Pole in ft/10ths/100ths.....	\$299.95 each

CRAIN FIBERGLASS TELESCOPING MEASURING RODS

Non-conductive fiberglass pole with both English and Metric scales. Telescoping sections nest inside each other for ease of storage and transportation. Direct reading at eye level and a four foot rule in the base section. Measurements may be read from any direction. Locking buttons and a 1/4 x 20 threaded tip for use with accessories. Includes caliper tip and a nylon carrying case. Graduated: English in inches at 1/4" increments and Metric in 1/2 cm increments. Three lengths available



90180	25 ft/7.62m Extended/51.5" Retracted	\$319.95 each
90181	36 ft/11m Extended/58.5" Retracted.....	\$529.95 each
90182	50 ft/15.24m Extended/66.9" Retracted	\$739.95 each

DIRECT ELEVATION RODS



SECO DIRECT ELEVATION ROD, ALUMINUM



7601-21 Cut & Fill, Ft./10ths/100ths, (Import) \$169.00 each

ASH/ALUMINUM DIRECT ELEVATION LASER RODS

- The rods extend to 10 ft. and retract to 5.4 ft.
- The front features a graduated, endless 10-foot stainless steel band which runs over Delrin™ end-rollers
- The latch in the back locks the band in any position
- These come with a side rail for connecting an optional bracket
- Weighs 7 lbs.



7502-21 Bold Face, Ft./10ths/100ths \$249.95 each
 7602-21 Cut & Fill, Ft./10ths/100ths \$244.95 each

ASH/ALUMINUM DIRECT ELEVATION RODS (Non-Laser)

These rods have the same high-quality features as their above counterparts but without the rail for the detector bracket.



7502-20 Bold Face, Ft./10ths/100ths \$234.95 each
 7602-20 Cut & Fill, Ft./10ths/100ths \$214.95 each



SOKKIA BUILDERS' MINI RODS

Unfolds to 6-1/2 or 9 ft. leveling rod – 15/16" wide. Printed graduations on both sides are embedded below surface and sealed with reflective yellow finish. Lightweight and economical. Graduated in Ft./10ths/100ths.



8075-48 6-1/2 ft. Mini Rod \$86.95 each
 8075-51 9 ft. Mini Rod \$106.95 each

*Also Available in Ft./Inches/8ths Gr

Shop our Survey Supplies online
 @
www.cspsurveyequipment.com



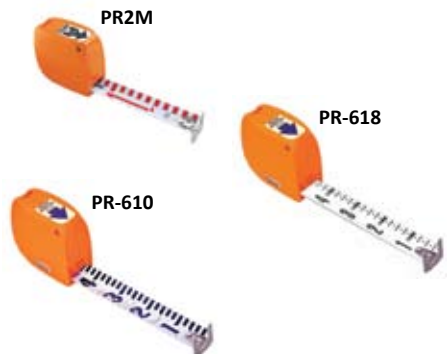
KESON POCKET ROD™ COMBINATION BUILDERS ROD & SURVEYORS POLE



The Pocket Rod™ is ideal for foundation work, grading, swimming pools and construction photo records. Simply remove the coated steel blade from the case and you get a convenient 6-1/2 ft. leveling rod. When you're finished, insert back in case. Tecron-Tuff Coat™ protects graduations from wear.

Blade is not affected by moisture. Pocket Rod™ is graduated on two sides with sharp easy to read numerals. Other features include a built in target and heavy duty end hook.

Part Number	Graduations	Price Qty. 1-9	Price Qty 10+
PR-610	Ft./10ths/100ths	\$16.95	\$15.50
PR-618	Ft./Inches/8ths	\$16.95	\$15.50
PR2M	Metric	\$16.95	\$15.50



SURVEYING SUPPLIES

PLUMB BOBS

- Precision machined from solid brass with hardened steel points
- Each one contains a storage area for a spare point



11-499	10 oz	.....	\$16.25 each
11-550	12 oz	.....	\$17.50 each
11-551	14 oz	.....	\$20.50 each
11-552	16 oz	.....	\$22.95 each
11-553	18 oz	.....	\$21.95 each
11-554	24 oz	.....	\$27.95 each
11-554A	32 oz	.....	\$36.95 each

REPLACEMENT POINTS & CAPS

11-555B	Plumb Bob Point	.....	\$1.40 each
11-555A	Plumb Bob Cap	.....	\$1.90 each



LEATHER SHEATH

- Made of top grain leather with a belt loop

11-556	for 8-12 oz Plumb Bobs	.....	\$7.35 each
11-557	for 14-18 oz Plumb Bobs	.....	\$7.35 each
11-558	for 24-32 oz Plumb Bobs	.....	\$8.95 each



ENGINEER'S HAMMER

16" Hickory Handle

PR30	3 lb	.....	\$14.50 each
PR40	4 lb	.....	\$20.95 each
17-030	4 lb w/Fiberglass Handle	.....	\$23.95 each



ESTWING DRILLING HAMMER

Used for driving hardened nails and cold chisels. Forged, one-piece solid steel construction, painted finish with nylon-vinyl grip, baked and bonded to handle.



B3-4LBL	4# Long Handle	.....	\$36.95 each
B3-4LB	4#	.....	\$34.95 each
B3-3LB	3#	.....	\$31.50 each
B3-2LB	2#	.....	\$31.50 each

STAKE TACKS

- Heavy galvanized tacks with indented head
- | | | | |
|--------|----------|-------|--------------|
| 20-750 | 1 lb box | | \$10.50 each |
|--------|----------|-------|--------------|



TACK BALL

- Handy rubber ball, used as a "pin cushion" for holding stake tacks
- Attached belt loop



19-BALL750	\$8.95 each
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CHAINING PINS

Also known as Surveyor's Arrows, these chaining pins are made of 3/16" hardened steel and are 14" in length. Set of 11 painted alternatively with red and white enamel for easy visibility.



04-501	Set of 11	.....	\$21.50 each
04-511	Carrying Ring	.....	\$13.50 each
04-506	Leather Quiver	.....	\$20.95 each

SHINERS

- Used for indicating semi-permanent points with spikes or nails
- Made of tin.



8134-31	1-5/16", 1 lb Box	.....	\$23.95 each
2181	2-1/4", Box of 250	.....	\$33.95 each

SPINDLE

- Also known as a Cotton Gin Spike, this spindle is made of hardened steel and drives into many hard surfaces
- 1/2" diameter at top and 1/4" at bottom.
- 4-3/4" Long



SPINDLE	\$.80 each
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GAMMON REELS

- Handy, retracting plumb bob cord reel that automatically rewinds
- Fluorescent Red Cord



8124-49	12' Cord	.....	\$16.50 each
8124-50	6 1/2' Cord	.....	\$13.50 each

SITEPRO HI-MAGNETIC MASONRY NAILS

- 3 times easier to locate than other nails on the market
- Zinc plated to resist corrosion
- Large targeted center point
- 6 sizes available from 2-1/2 to 3/4 inches in length
- Includes durable pouch with velcro closure
- Box of 100 nails



Part Number	Size	Price: Qty 1-9 Boxes	Price: Qty 10+ Boxes
20-751	1/8" x 3/4"	\$5.95	\$5.25
20-752	5/32" x 1"	\$7.25	\$6.95
20-753	3/16" x 1-1/4"	\$10.40	\$9.40
20-754	1/4" x 1-1/2"	\$14.50	\$13.25
20-755	1/4" x 2"	\$16.95	\$15.75
20-756	1/4" x 2-1/2"	\$21.25	\$19.25

MAG NAILS

Coated with an environmentally friendly zinc and clear chromate to resist corrosion.

- Find it farther
- Larger center point
- More durable than other nails
- Zinc Plated- ROHS European Compliant
- Box of 100 nails



Part Number	Size	Price: Qty 1-9 Boxes	Price: Qty 10+ Boxes
MAG-1	5/32" x 1"	\$7.85	\$7.25
MAG-2	3/16" x 1-1/4"	\$10.95	\$9.95
MAG-3	1/4" x 1-1/2"	\$14.95	\$13.75
MAG-4	1/4" x 2"	\$17.75	\$16.25
MAG-5	1/4" x 2 1/2"	\$21.75	\$19.95

SURVEYING ACCESSORIES

SOKKIA SCRIBERS



- Marks on hard steel, glass, plastic, etc.
- Replaceable tungsten carbide tip.
- Pocket Clip.
- 6" Length



- 8130-50 Scriber \$8.95 each
- 8130-51 Replacement Point \$3.50 each
- 8130-53 Premium Scriber \$8.95 each
- 8130-55 Replacement Point for Premium Scriber \$3.95 each

SHARPIE MEAN STREAK® PERMANENT MARKING STICK

- Permanent marking stick marks on wet and oily surfaces
- Extra bold tip marks on dark surfaces with an opaque line
- Waterproof formula resists fading and adheres to many surfaces
- Perfect for industrial use
- 2 bold colors



- 85018 White \$5.50 each
- 85005 Yellow \$5.50 each
- 12+ \$5.25 each

SHARPIE KING SIZE™ PERMANENT MARKER

- Industrial Strength for the toughest marking jobs
- Durable aluminum barrel and felt tip stand up to heavy use
- Excellent for marking corrugate, wood, metal, foil, stone, plastic, leather and more
- Marks on wet and oily surfaces
- Water resistant and dries quickly



- 15001-SH Black \$2.25 each
- 15002 Red \$2.25 each
- 12+ \$1.80 each

SURVEY MARKERS

- Solid brass with curved heads.
- Ribbed shank prevents turning or loosening.

DOMED

- Shank Area: 0.4 sq. in.; shank length: 2 in.
- 8134-13 2" Top Diameter \$6.95 each
- 8134-16 2-1/2" Top Diameter \$7.95 each

FLAT

- Non-glare finish, 1/8" thick top
- Shank area 0.4 sq. in., length: 2 in. Units – Each
- 8134-06 2-1/2" Top Diameter \$7.95 each
- 8134-08 3" Top Diameter \$9.95 each



60D NAILS

- 6920 50 lb Box \$75.00 each

PERMAMARK PLASTIC SURVEY MARKERS

These plastic markers fit over Rebar or fit inside metal pipe. Markers can be heat branded with combination of numbers and letters (at no additional cost). Sold in packs of 200. Available colors include: pink, red, yellow and orange. Please specify color when ordering.



MARKAL QUIK STIK® MARKER

Marks on virtually any surface, metal, glass, plastic, wood, cardboard, paper, etc.



- Smooth-marking, fast-drying paint marks dry in 5-7 minutes.
- Bright, bold, fade resistant colors.
- More marks for the money, 20% longer than other brands.
- Plastic holder with self-storing cap prevents breakage, keeps hands and clothing clean.
- Stick advances by turning twist-up knob.
- Marking range: 0°F - 140°F (-18°C to 60°C).

- 61050 Black \$5.50 each
- 61049 Red \$5.50 each
- 61051 White \$5.50 each
- 61053 Yellow \$5.50 each
- 12+ \$5.25 each

* Other colors available

MARKAL® BALL PAINT MARKER

- Fine line marks with real paint that dries in minutes
- Ball size 1/8"
- Lead free
- Marks are weather and water resistant
- Marks on almost any surface
- Marking range: -50 F to 150 F
- Typical uses: metal & PVC pipe, I-beams, sheet metal, lumber
- Packed in unbreakable plastic bottle with durable metal ball tip



- 84620 White \$5.50 each
- 84621 Yellow \$5.50 each
- 84622 Red \$5.50 each
- 84623 Black \$5.50 each
- 84624 Orange \$5.50 each
- 84625 Blue \$5.50 each
- 84626 Green \$5.50 each

DIAGRAPH GP-X CLASSIC PAINT MARKERS W/XYLENE

The industry's favorite marker. Weather and fade-resistant colors. Makes permanent marks on: porous and non-porous surfaces, metal, wood, corrugated, rubber, plastic, and glass.



- 0918500 Black
- 0958-500 Yellow
- 0968-500 White
- 0968-520 Red
- 0968-521 Blue
- 0968-522 Green
- 0968-523 Orange
- 1-11 \$2.75 each
- 12+ \$2.50 each

P/N	Size	Fits	Price
3000A	1/2"	Fits inside 1/2" ID Pipe over 3/8" Rebar	\$69.95
4000A	3/4"	Fits inside 3/4" ID Pipe over 1/2" Rebar	\$71.95
5000A	1"	Fits inside 1" ID Pipe over 5/8" Rebar	\$75.95
6000A	1-1/4"	Fits inside 1-1/4" ID Pipe over 3/4" Rebar	\$78.95

PENCILS & MARKERS

THE ORIGINAL TICONDEROGA PENCIL

The Ticonderoga is the world's best selling pencil. Satin smooth finish enhances writing comfort; exclusive graphite core formula give you extra smooth performance crafted from reforested California cedar. Top quality eraser provides easy, clean corrections. PMA certified non-toxic. Packaged 12 per box.



13881	No. 1 Extra Soft	\$3.50 each
13882	No. 2 Soft	\$3.50 each
13883	No. 3 Hard	\$3.50 each
13884	No. 4 Extra Hard	\$3.50 each
13885	No. 2-1/2 Medium	\$3.50 each

PENTEL DRAFTING MECHANICAL PENCILS

The industry standard in automatic drafting pencils. Ideal for template work. Adjustable metal clips, and erasers, auto lead advance.



P205	Pencil, Black Barrel, .05 mm	\$6.95 each
C505-B	Tube of 3 Replacement Leads	\$3.50 each
P205-GREEN	Pencil, Green Barrel, .05mm	\$6.95 each
P207	Pencil, Blue Barrel, .07 mm	\$6.95 each
C505-3H	Replacement Lead, .05 mm - 12 pack	\$2.50 each
Z-21	Replacement Erasers - Tube of 3	\$1.95 each

DIXON CARPENTER PENCILS

The world's best known carpenter pencil. Dixon's "Red & Black" carpenter pencil lays down a traditional rich black mark. Easy to see, easy to sharpen, smooth marking and long lasting. Flat hex shape fits in the pocket and keeps it from rolling. Packaged 12 per box.



19971	Soft	\$.55 each
19972	Medium	\$.55 each
19973	Hard	\$.55 each

DIXON REDISHARP PLUS PERMANENT MARKERS

RediSharp Plus permanent marks stay where you put it. Specially formulated waterbased ink is smooth flowing and permanent on most surfaces. Ideal for writing or drawing. Won't bleed through paper. No strong smell normally associated with permanent markers. Vented safety cap. AP certified non-toxic. Fine point. Packaged 12 per box.



98201	Red	\$11.95 each
98204	Green	\$11.95 each
98206	Purple	\$11.95 each
98207	Black	\$11.95 each
98208	Blue	\$11.95 each

IDEAL MARK MARKERS

As the only all-metal marker in the industry, this high-performance classic offers excellent value with indelible, fade-resistance ink, color-coded cap, pocket clip and a leak-proof aluminum valve.



DIXON REDIMARK METAL BODY FELT TIP MARKERS

Leak-proof, seamless metal body, heavy-duty felt tip, anchored nib construction.



Permanent, instant drying marks with excellent durability and fade resistance. For permanent marking of glass, plastic, metals, cellophane, paper, etc. Chisel Point - 6" Barrel.

87110	Red	\$1.75 each
87170	Black	\$1.75 each
87180	Blue	\$1.75 each
87140	Green	\$1.75 each
12+	.....	\$1.50 each

ARROMARKER™ VALVE ACTION FIBER-TIP PERMANENT MARKER

- Permanent
- Valve Action
- Xylene Free
- Quick Dry
- Dye Type Ink
- Water Proof
- Highly Visible
- Resists Abrasions
- Works On Most Surfaces
- Conforms to ASTM 4236
- Alcohol Based (contains no aromatic solvents)
- Temperature Range of -5° - 125° F (-20° to 49° C)

00127	1-12	\$2.50 each
	12-71	\$2.25 each
	72+	\$1.95 each

Markal™ MARKAL VALVE ACTION PAINT MARKERS

Excellent all-surface marking with durable, fade resistant, high visibility marks.



- Xylene-free paint formula
- Faster drying paint reduces smears while allowing almost immediate handling of marked items
- Low chlorides/low halogens paint formula
- ClipGrip Cap for convenient pocket storage and easy removal
- Dura-Nib medium bullet tip allows writing on rougher surfaces and holds up better in tough applications
- Temperature range: -50°F to 150°F (-46°C to 66°C).
- Made in the U.S.A.

96809	Brown	96824	Orange	96817	Purple
96825	Blue	96820	White	96826	Green
96821	Yellow	96828	Light Green	96835	Light Blue
96830	Pink	96823	Black	96827	Gold
				96832	Aluminum
1-11					\$2.95 each
12+					\$2.75 each

ASSORTED BOX OF MARKAL VALVE ACTION PAINT MARKERS:

- Includes 8 white, 8 yellow, 4 red and 4 black Markers
- 96819**

P/N	Color	1-11	12+	48+
0930-001	Black	\$2.95	\$2.75	\$2.60
0930-002	Blue	\$2.95	\$2.75	\$2.60
0930-004	Green	\$2.95	\$2.75	\$2.60
0930-006	Red	\$2.95	\$2.75	\$2.60
0930-011	Replacement tips, Pack of 12			\$8.95

STAKES & ACCESSORIES/FLAGGING

WOODEN STAKES, HUBS, AND LATHS

Stakes – Bundle of 50	Part Number	Price Per Bundle
3/4" x 3/4" x 36"	3620	\$16.38
3/4" x 3/4" x 48"	4820	\$25.30
1" x 1-1/2" x 8"	0830	\$6.96
1" x 1-1/2" x 12"	1230	\$8.25
1" x 1-1/2" x 18"	1830	\$11.30
1" x 1-1/2" x 24"	2430A	\$13.65
1" x 1-1/2" x 36"	3630	\$23.25
1" x 1-1/2" x 48"	4830	\$30.00

Laths – Bundle of 50	Part Number	Price Per Bundle
1" x 1-1/2" x 18"	1810	\$10.35
1" x 1-1/2" x 36"	3610	\$21.75
1" x 1-1/2" x 48"	4810	\$30.00

Hubs – Bundle of 25	Part Number	Price Per Bundle
1-1/2" x 1-1/2" x 6"	0650A	\$6.92
1-1/2" x 1-1/2" x 8"	0850	\$8.20
1-1/2" x 1-1/2" x 12"	1250	\$9.41
1-1/2" x 1-1/2" x 18"	1850	\$12.21
1-1/2" x 1-1/2" x 24"	2450	\$14.16

Foundation Stakes – Bundle of 20	Part Number	Price Per Bundle
2" x 4" x 24"	2X4X24	\$16.75
2" x 4" x 36"	2X4X36	\$23.95

SECO STAKE BAGS

• Heavy duty Cordura®. Comes with shoulder straps and outside pockets.
Orange



8090-00-ORG	16" Hub Bag	\$42.95 each
8100-20-ORG	36" Lath Bag	\$43.95 each
8101-20-ORG	48" Lath Bag	\$46.50 each
8102-01-ORG	38" Lath Bag - Heavy Duty	\$69.99 each

STAKE CHASERS/WHISKERS

- Used for marking foundations
- 6" flexible, colored bristles
- Pound into stake with a 60 penny nail.



0100	Orange
0200	Blue
0300	Pink
0400-Y	Yellow
0500-R	Red

Bundles of 25	\$3.25 each
20+ Bundles	\$2.85 each
Box of 1,000	\$110.00 per box

See Forestry
page 6 for more
flagging products.

VINYL FLAGS WITH WIRE STAFF

Plain Color Flags							Volume Pricing		
Flag Size	Wire Length	Red	Orange	Yellow	Blue	White	1-9	10+	50+
2-1/2" x 3-1/2"	15"	2315-R	2315-O	2315-Y	2315-B	2315-W	\$5.75	\$5.25	\$4.75
	18"	2318-R	2318-O	2318-Y	2318-B	2318-W	\$6.45	\$5.75	\$5.25
	21"	2321-R	2321-O	2321-Y	2321-B	2321-W	\$6.75	\$5.95	\$5.45
4" X 5"	24"	4524-R	4524-O	4524-Y	4524-B	4524-W	\$8.50	\$7.90	\$7.00
	30"	4530-R	4530-O	4530-Y	4530-B	4530-W	\$8.75	\$7.95	\$7.10
	36"	4536-R	4536-O	4536-Y	4536-B	4536-W	\$9.50	\$8.75	\$7.90
Fluorescent Color Flags							Volume Pricing		
Flag Size	Wire Length	Pink Glo	Orange Glo	Red Glo	Blue Glo	Lime Glo	1-9	10+	50+
2-1/2" x 3-1/2"	15"	2315-PG	2315-OG	2315-RG	2315-BG	2315-LG	\$5.75	\$5.25	\$4.75
	18"	2318-PG	2318-OG	2318-RG	2318-BG	2318-LG	\$6.45	\$5.75	\$5.25
	21"	2321-PG	2321-OG	2321-RG	2321-BG	2321-LG	\$6.75	\$5.95	\$5.45
4" x 5"	24"	4524-PG	4524-OG	4524-RG	4524-BG	4524-LG	\$8.50	\$7.90	\$7.00
	30"	4530-PG	4530-OG	4530-RG	4530-BG	4530-LG	\$8.75	\$7.95	\$7.10
	36"	4536-PG	4536-OG	4536-RG	4536-BG	4536-LG	\$9.50	\$8.75	\$7.90

Pin flags with pvc staffs & biodegradable flags available . Customized pin flags with logos, etc. also available. Call for details.

ENGINEER'S FIELD BOOKS



- 80 Pages – 50% cotton rag content
- Left and right pages register
- Weatherproof, durable
- Formula for solving right angles, curves
- Tables for minutes in decimals of a degree; paper inches in decimals of a foot

SOKKIA

ELAN

TRANSIT & ECONOMY FIELD BOOKS



- Left Page: blue horizontal lines, red vertical lines
- Right Page: 8 vertical & 4 horizontal blue lines, red vertical center line
- Size: 4-1/2" x 7-1/4"

8152-00	Transit Field Book - Sokkia	
1-5		\$7.75 each
6+		\$7.25 each
8152-05	Economy Field Book; heavy paper cover, spiral bound, 36 pages - Sokkia	\$4.15 each
E64-8X4	Transit Field Book - Elan	
1-5		\$7.95 each
6+		\$7.25 each
E64-8X4W	Economy Field Book - Elan	\$3.95 each

LEVEL BOOK

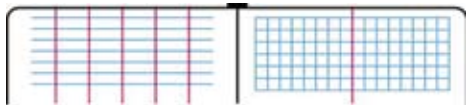


- Both pages: blue horizontal lines, red vertical lines
- 6 vertical columns.

8152-50	Sokkia Level Book: 4 x 6-1/2"	
1-5		\$8.50 each
6+		\$7.50 each
8152-55	Sokkia Level Book: 4-1/2" x 7-1/4"	
1-5		\$8.50 each
6+		\$7.50 each
E64-64M	Elan Level Book: 4 x 6-1/2"	
1-5		\$8.25 each
6+		\$7.75 each
E64-64	Elan Level Book: 4-1/2" x 7-1/4"	
1-5		\$8.25 each
6+		\$7.75 each

MINING TRANSIT BOOK

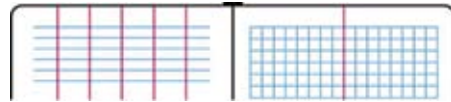
- Left Page: blue horizontal lines, red vertical lines
- Right Page: 8 x 8 blue lines, red vertical center line
- Size: 4-1/2" x 7-1/4"



8152-20	Sokkia	
1-5		\$11.50 each
6+		\$10.50 each
E64-8X8	Elan	
1-5		\$10.95 each
6+		\$9.95 each

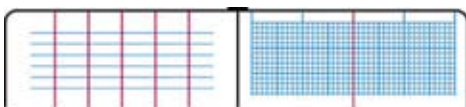
FIELD BOOK

- Left Page: blue horizontal lines, red vertical lines
- Right Page: 4 x 4 blue lines, red vertical center line
- Size: 4-1/2" x 7-1/4"



8152-60	Sokkia	
1-5		\$7.90 each
6+		\$7.30 each
E64-4X4	Elan	
1-5		\$7.95 each
6+		\$7.25 each

ENGINEERS FIELD BOOK



- Left Page: blue horizontal lines, red vertical lines
- Right Page: 10 x 10 blue lines, red vertical center line; inch lines heavy
- Size: 4-1/2" x 7-1/4"

8152-30	Sokkia	
1-5		\$7.95 each
6+		\$7.25 each
E64-10X10	Elan	
1-5		\$7.95 each
6+		\$7.25 each

CROSS-SECTION



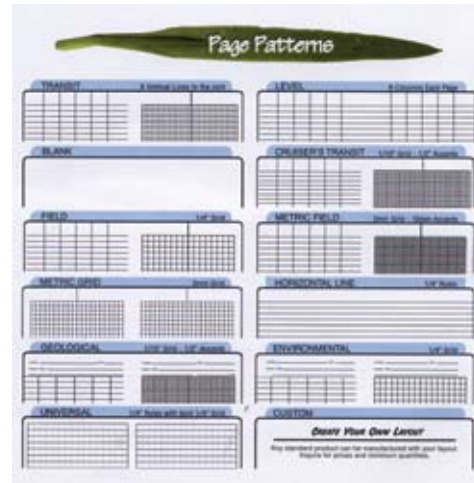
- Both pages: 10 x 10 blue lines with inch lines slightly heavier
- Size: 6-1/2" x 8-1/2"

8152-75	Sokkia	
1-5		\$11.95 each
6+		\$10.95 each
E10SX10K	Elan 6 1/2" x 8 1/2"	
1-5		\$10.95 each
6+		\$9.95 each

ALL-WEATHER WRITING MATERIALS



What is Rite in the Rain? Rite in the Rain is an environmentally responsible, all-weather writing paper that sheds water and enables you to write anywhere, in any weather. Using a pencil or an all weather pen, Rite in the Rain ensures that your notes survive the rigors of the field, regardless of the conditions.



FIELD BOOKS

STANDARD BOUND BOOKS

The "professional's" Bound Book – the only books manufactured with true outdoor durable components. The cover, the paper, the sewn-in pages, even the glue is designed to survive the elements.

- 4.75" x 7.5" - 160 pages - 80 sheets

Available in two cover types:

- Fabrikoid Cover (hardbound)
- Heavy Polydura Cover (smooth plastic material made with post-consumer waste)



1-11\$18.50 each
12+\$17.25 each

FABRIKOID COVER

- 300F Transit Pattern
- 310F Level Pattern
- 330F Blank Pattern
- 350F Field Pattern
- 360F Metric Field Pattern
- 380F Metric Grid Pattern
- 390F Journal Pattern

POLYDURA COVER

- 300A Transit Pattern
- 310 Level Pattern
- 350 Field Pattern
- 360 Metric Field Pattern
- 380 Metric Grid Pattern
- 390 Journal Pattern

LARGE CROSS SECTION BOUND BOOK

- Fabrikoid Cover (hardbound)
- 6.75" x 8.75"
- Page pattern has a 10 x 10 inch grid with 1" accents



370F-LG\$23.50 each

POCKET-SIZED BOUND FIELD BOOKS

- Same features as above in a smaller size
- 4.25" x 6.75"
- Perfect for single jobs
- Fabrikoid covers only
- Universal Page Pattern– 160 pages/80 sheets
- Environmental Page Pattern– 76 pages/38 sheets



390-4F \$17.50 each
12+ \$16.50 each

WORK SITE NOTEBOOKS

- 4" x 6"
- Top spiral bound
- 50 sheets-100 pages
- Yellow Polydura Cover, White Pages

- 151 Job Briefing Notebook \$5.50 each
- 154 Job Hazard Analysis Forms..... \$5.50 each
- 157 Job Safety Daily Log..... \$5.50 each



151



154



157

BIRDER'S JOURNAL

The Birder's Journal is designed to keep up with birding enthusiasts. Includes helpful reference information and a page pattern designed for sketching and field notes.

- Yellow Polydura Cover, White Pages
- Side Spiral
- 32 Sheets - 64 Pages



BN-195 \$8.25 each

LCES WILDLAND FIRE NOTEBOOK

Designed specifically for Wildland Firefighters, this handy 3" x 5" top spiral notebook contains 100 pages (50 sheets) of the Rite In The Rain Universal page pattern as well as important fire and safety tips on the back cover.



X-461 \$3.75 each

ALL-WEATHER WRITING MATERIALS



ENVIRONMENTAL & GEOLOGICAL BOUND BOOKS

ENVIRONMENTAL BOUND BOOKS

Same features as standard bound books with numbered pages - 4.75" x 7.50"

- Meet U.S. E.P.A. Guidelines & are legally defensible in case of litigation
- Contain 10 helpful environmental reference pages



550A Polydura	\$21.50 each
12+	\$19.95 each
550F Fabrikoid	\$21.50 each
12+	\$19.95 each


GEOLOGICAL BOUND BOOK & KIT

The book includes 20 helpful reference pages, standard and metric rulers, and numbered pages. It has a Fabrikoid cover and 160 pages (80 sheets). Also includes a photo scale and a ruler.

The no. 540F-KIT includes: No. 97 Pen, the C540 Cordura Pouch, and the 540F Geological Bound Field Book



540F	Book Only 1-11	\$21.50 each
	Book Only 12+	\$19.95 each
C540F	Cordura Pouch	\$24.95 each
540F-KIT	Geological Kit	\$58.95 each



C540F - Cordura pouch - \$24.95

CORDURA® fabric pouch, fits book, pens, & acid bottle. Improved design has an easy open clasp and two waist clips on the back - No belt needed!. Fits all 4-3/4 in x 7-1/2 in bound books, also fits any standard sized notebook. This case can be used with any standard Rite in the Rain Field Book.

STITCHED NOTEBOOKS

- A favorite among students and professionals
- Field Flex cover with secure stitching
- 4-5/8" x 7" with 48 numbered pages/24 sheets
- Sold in packs of 3

301FX	Transit Pattern
311FX	Level Pattern
351FX	Field Pattern
371FX	Universal
361FX	Metric Field Pattern
381FX	Metric Grid Pattern
391FX	Journal Pattern



1-11	\$12.75 per pack
12+	\$11.75 per pack

MINI-STAPLED MEMO NOTEBOOKS

- Perfect for small jobs
- Field Flex cover with secure stitching
- 3-1/4" x 4-5/8"
- 24 numbered pages/12 sheets
- Sold in packs of 3



371-M	Universal Pattern
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1-11	\$6.75 per pack
12+	\$6.35 per pack

TOP-BOUND MEMO NOTEBOOK

- Universal Pattern
- Bound construction with Field Flex cover and perforated pages
- 3-1/4" x 5-1/4" with 50 sheets



378	1-11	\$5.50 each
	12+	\$4.95 each



Amazing! Look at the difference between Rite in the Rain® and regular notebook paper in wet conditions!

SHOP ONLINE

@

WWW.CSPSURVEYEQUIPMENT.COM

ALL-WEATHER WRITING MATERIALS



LOOSE-LEAF COPIER PAPER

Laser print or photocopy your own custom loose leaf paper. Each sheet has two 4-5/8" x 7" pre-perforated loose leaf sheets ready to punch out and put in your Rite-in-the-Rain Field Binders. Available in White and Tan. Download templates at www.riteintherain.com



- LL8511 White
- LL9511T Tan
- 150 sheets per pack/300 loose leaf sheets.....\$39.95 per pack

ALL WEATHER COPIER PAPER

Copy or laser print your own all-weather forms, charts, maps and work sheets. Completely recyclable wood-based paper. Printable on both sides. Not for inkjet printers.



ITEM	SIZE	SHEETS	PRICE
8511-M	8.5" X 11"	50	\$10.95
8517	8.5" X 17	200	\$64.25 4+ \$59.95
8514	8.5" X 14"	200	\$41.95 5+ \$39.25
8511	8.5" X 11"	200	\$31.95 5+ \$29.95 10+ \$28.95

LOOSE LEAF PAPER - STANDARD SIZE

- 4-5/8" x 7"
- Pack of 100
- Fits binders #200 and #210



ITEM	PATTERN
302	Transit
312	Level
342	Cruiser's Transit
352	Field
362	Metric Field
372	Universal
382	Metric Grid
392	Journal
395	Blank

- 1-5 \$14.50 each
- 6+ \$13.75 each

DURACOPY SYNTHETIC COPIER/LASER PAPER

- 8.5" x 11" - 100 sheets
- Ideal for any extreme situation
- Printable on both sides
- Not for ink-jet printers
- 4 mil.



- 6511.....\$63.25 per pack

BINDERS, COVERS & CLIPBOARDS

FIELD RING BINDER COVERS

Made of durable tan cordura with rugged zipper closure and holds up to 4 writing utensils



- C9200 For the 200 & 204 1/2" capacity binders..... \$17.50 each
- C9210 For the 210 1" capacity binders..... \$18.50 each

Tan Cordura Cover

This tough Tan CORDURA® fabric Bound Book Cover will fit all of our 4-5/8 in x 7 in Spiral Notebooks, 4-5/8 in x 7 1/4 in Field-Flex Books, Pocket-sized, and regular sized Bound Books. It has a rugged zipper closure and holds up to 4 writing utensils!



- C980..... \$17.50 each

LOOSE LEAF FIELD RING BINDERS

Made of Polydura and rust-resistant materials. Kit includes Binder, 50 sheets of loose-leaf paper, black clicker pen, Tan Cordura® Fabric cover.



- 200 Standard Size (1/2" Capacity)..... \$10.75 each
- 210 Standard Size (1" Capacity)..... \$11.75 each
- 200-KIT Ring Binder Kit (1/2" Capacity) \$48.50 each

RITE-IN-THE-RAIN® FIELD DESK



Store up to 200 8.5" x 11" forms, pencils and other field equipment inside this durable Polydura plastic shell. It has a warmer feel than a metal clipboard. Lightweight and completely weatherproof.

- 295..... \$19.50 each

ALL-WEATHER WRITING MATERIALS



ALL-WEATHER PENS & PENCILS

Write on wet paper, and upside down in temperatures from -30° F to 250° F. The All-Weather Bullet Pen closes to only 3-3/4" long. Ink is available in black, blue and red.

STANDARD CLICKER PEN

Chrome/Plastic Barrel



- 37 Black Ink..... \$10.75 each
- 47 Blue Ink..... \$10.75 each
- 57 Red Ink..... \$10.75 each
- 12+..... \$9.75 each

TACTICAL BLACK CLICKER PEN

Flat Black Metal Barrel



- 97 Black Ink..... \$15.50 each
- 97B Blue Ink..... \$15.50 each
- OR97 Blaze Orange Barrel with Black Ink..... \$15.50 each
- 12+..... \$14.50 each

BULLET PEN

Closes to only 3-1/4" long



- 36 Silver Bullet Pen (Chrome Metal)..... \$25.50 each
- 96 Tactical Black Bullet Pen (Black Metal)..... \$25.50 each
- 86 .375 MAG Brass Bullet Pen (Brass Metal)..... \$25.50 each

REFILLS FOR ALL PENS

- 37R Black Ink..... \$6.75 each
- 47R Blue Ink..... \$6.75 each
- 57R Red Ink..... \$6.75 each
- 12+..... \$6.25 each

DURABLE STANDARD CLICKER PEN

These All-Weather Clicker Pens write on wet paper and upside down, the pressurized ink cartridge performs in temperatures from -30F to 250F. The ink won't leak, evaporate or blow up in your pocket! 5-3/8" long. Strong resin barrel.



- 93K Black Ink..... \$15.50 each
- 93B Blue Ink..... \$15.50 each
- 93R Red Ink..... \$15.50 each

MECHANICAL PENCILS

True to the Rite in the Rain brand, this pencil is tough, reliable, made in the USA, and writes no matter what.

- Refills included: 7 (1.1 mm / HB No. 2) leads and 2 extra erasers. Additional refills available.
- Patented tip expands so lead won't break, wobble, twist or fall out in the field.
- Strong resin barrel fits comfortably in your hand.



- YE99 Yellow w/Black Lead..... \$10.75 each
- BK88 Black w/Black Lead..... \$10.75 each
- RD99 Red w/Red Lead..... \$10.75 each

MECHANICAL PENCIL REFILLS

Pack includes: 12 (1.1 mm) HB (NO.2) Leads



- 99BR Dark Lead..... \$5.80 per pack
- 99RR Red Lead..... \$5.80 per pack
- 99ER Eraser Refills, pack of 3..... \$5.65 per pack



DID YOU KNOW?

- In spite of Rite® in the Rain's durability, it is totally recyclable as standard paper, which is untrue of synthetic, or poly coated papers. Simply recycle Rite in the Rain as you do other white or printed papers.
- Rite in the Rain®'s unique "Polydura" cover and reference card substrate contains post-consumer recycled materials and is recyclable. (Recycled milk, shampoo bottles, etc.)

DISTANCE MEASURERS



MODEL 300 MEASURING WHEEL

The Model 300's features include all steel construction, 5 digit ratchet counter and calibrated wide rubber 3' circumference wheel. Safety orange color. Measures up to 100,000'. Lift-and-lock handle makes transport and storage easy.

300R Ft./Inches \$95.25 each
32-401 Ft./Inches – Belt Driven \$169.95 each



MODEL 400 MEASURING WHEEL

All steel construction handles the toughest measuring needs for all critical measuring applications. Measures up to 100,000' in feet and inches. 4' circumference spoke wheel. Wheel stand to keep the wheel upright when not in use. Wheel brake allows you to transport to second site without losing existing measurement. Safety orange color.

1800-400 Ft./Inches \$129.95 each
400M Metric \$174.95 each



MODEL 415 MEASURING WHEEL

Same features as the Model 400, except the Model 415 features a solid disk wheel that allows you to move through brush without catching in the spokes.

1800-415 Ft./Inches \$143.95 each
415M Metric \$188.95 each
1800-415D Ft./Inches, Dual Counter \$198.95 each



REPLACEMENT PARTS FOR MODELS 400/415

60-400 Counter for English or Metric models \$35.95 each
 (Two required for dual counters)

RT300 MEASURING WHEEL

The RT300 measuring wheel features a comfortable, ergonomic pistol grip on a 3 section aluminum telescopic handle with quick clamps for easy storage. The RT300 is lightweight, compact and has a counter with a reset switch which reads to 1" increments (to 10,000 ft in inches). 11.5" Plastic wheel for outdoor use.

RT300 \$69.95 each



DURAWHEEL DISTANCE MEASURING WHEELS

DuraWheel distance measuring wheels are professional grade tools built for rugged commercial use. There are four models to choose from. DIGI-PRO has a digital counter that can convert distance into 8 different scales of measurement. DW-PRO, DW-1000, and DW-500 are all available in either Feet/10ths or meters/decimeters.

- Balanced in-line design
- Sealed roller bearings
- Hi-traction tire
- Folding handle with hefty pistol grip
- Belt driven counter for long life and smooth operation



68920
DW-500 6" Wheel, Measures in Ft/10ths \$104.95 each
68910
DW-1000 12.5" Wheel, Measures in Ft/10ths \$127.50 each
68900
DW-PRO 12.5" Wheel, Measures in Ft/10ths, w/Carry Case \$179.95 each
68940
DW-1000 Digi-Pro w/Carry Case \$199.95 each



68920



68900 & 68910



68940

MEASURING SUPPLIES

CHALK & CHALK LINE

KESON® QUICK FILL CHALK LINE REEL

Chalk line reel is made of light weight, space age, cyclac®. Line is 100' and made of spun polyester which has the strength of nylon and the holding power of cotton. Filling is a breeze with the quick fill rubber grommet. Simply insert spout and squeeze the bottle. Pull spout out and the grommet self seals.



FB2 \$5.25 each



MAKE YOUR MARK

KESON® QUICK RETURN CHALK LINE REEL

Chalk line reel is made of light weight, space age, cyclac®. Simply disengage gear drive with pressure on handle and it's free-wheeling. Release the pressure and it locks in place. Flip handle over and line rewinds 3.5 times faster than conventional chalk line reels. It's a real time saver! Line is 100' and made of spun polyester which has the strength of nylon and the holding power of cotton. Easy fill grommet.



GB1.....\$7.50 each

KESON® GIANT CHALK LINE REEL

The Giant gives every professional tradesman a big edge in efficiency. Use it for all layout work, cement construction, parking lot striping, road building, roofing repair, new construction, fence building, etc. Mounts easily to utility belt. Heavy steel, one-piece crank handle. Holds almost 1 lb. of chalk. 100' long, wide imprint cotton/poly cord. Easy fill grommet.



G100 \$22.95 each

KESON® PROCHALK MARKING CHALK

Keson® ProChalk is formulated to achieve a perfect line every time. Brilliant color tones provide strong, sharp lines. From the brightest pigments in the industry, Keson® produces standard colors plus a unique, fluorescent Glo colors for improved visibility.

Part #	Color	Size	Price 1-11	Price 12+
8B	Blue	8 ounces	\$1.30	\$1.10
8R	Red	8 ounces	\$1.30	\$1.10
8W	White	8 ounces	\$1.30	\$1.10
8-GO	Glo-Orange	8 ounces	\$2.00	\$1.85
105B	Blue	5 pounds	\$8.95	--
105R	Red	5 pounds	\$8.95	--
105W	White	5 pounds	\$8.95	--
105-GO	Glo-Orange	5 pounds	\$13.95	--



CROWE DURALINE® TWINES

Constructed from 100% filament nylon. This twine is resistant to abrasion, rot, mildew, grease, oil and many chemicals. Can be used for trot lines, chalk lines, duck decoys and gardening.

0089 #18 X 250' \$3.50 each
 0091 #18 X 1050' \$10.95 each

CUSTOMER NOTES: _____



FASTMEASURE



The FastMeasure distance measuring device easily mounts to the dashboard



and is designed to help contractors and engineers quickly and accurately measure parking lots, roads, utilities and more in the comfort of their car up to highway speeds with unparalleled accuracy. FastMeasure can also be mounted on anything that rolls including ATV's, graders, concrete saw, crack routers, striping machines, etc. for reliable job accounting.

FM1 \$399.00 each
 3+ \$379.00 each

KESON FIBERGLASS MEASURING TAPES

KESON FIBERGLASS LONG TAPES

Open-Type Reel, Ultra-Glass Blade

For over 40 years, Keson fiberglass tapes have met the highest standards of accuracy for quality measurements. They resist breakage and damage under the toughest field conditions. Each blade is covered with two coats of PVC, one to bind the fiberglass strands and a second over the printed units, so the numbers don't wear away.

- Tough, molded handle is easy to grasp.
- The crank handle is reinforced with metal to provide years of rugged use
- Double-throat rollers guide the blade return and prevent the tape from twisting
- Double screws to hold the housing together in the event of a drop.
- Better blade axle to reduce breakage due to the weight of the tape if dropped.
- Limited Lifetime Warranty



10 Series: Graduated in feet, 10ths, 100ths on one side

OTR-10-50	50' Tape	\$16.25
RF-10-50	50' Refill	\$11.50
OTR-10-100	100' Tape	\$24.95
RF-10-100	100' Refill	\$17.95
OTR-10-200	200' Tape	\$42.95
RF-10-200	200' Refill	\$37.95
OTR-10-300	300' Tape	\$63.95
RF-10-300	300' Refill	\$53.95

80 Series: Graduated in feet, inches, 8ths, on one side

OTR-18-50	50' Tape	\$16.25
RF-18-50	50' Refill	\$11.50
OTR-18-100	100' Tape	\$24.95
RF-18-100	100' Refill	\$17.95
OTR-18-200	200' Tape	\$42.95
RF-18-200	200' Refill	\$37.95
OTR-18-300	300' Tape	\$63.95
RF-18-300	300' Refill	\$53.95

Metric Series: Graduated in meters, centimeters, 2mm on other side

OTR-15M	15m Tape	\$16.50
RF-15M	15m Refill	\$10.50
OTR-30M	30m Tape	\$25.50
RF-30M	30m Refill	\$21.95
OTR-50M	50m Tape	\$38.50
RF-50M	50m Refill	\$33.95

1810 Series:

- Graduated in feet, 10ths, 100ths on one side
- Graduated in feet, inches, 8ths, on other side

OTR-1810-100	100' Tape	\$25.50
RF-1810-100	100' Refill	\$19.25
OTR-1810-200	200' Tape	\$48.95
RF-1810-200	200' Refill	\$39.95
OTR-1810-300	300' Tape	\$66.95
RF-1810-300	300' Refill	\$43.25

10M Series:

- Graduated in feet, 10ths, 100ths on one side
- Graduated in meters, centimeters, 2mm on other side

OTR-10M-100	100' Tape	\$26.95
RF-10M-100	100' Refill	\$19.25
OTR-10M-200	200' Tape	\$55.95
RF-10M-200	200' Refill	\$45.95
OTR-10M-300	300' Tape	\$76.50
RF-10M-300	300' Refill	\$68.50

18M Series:

- Graduated in feet, inches, 8ths, on one side
- Graduated in meters, centimeters, 2mm on other side

OTR-18M-100	100' Tape	\$26.95
RF-18M-100	100' Refill	\$19.25
OTR-18M-200	200' Tape	\$55.95
RF-18M-200	200' Refill	\$45.95
OTR-18M-300	300' Tape	\$74.25

KESON MC SERIES LONG FIBERGLASS MEASURING TAPE, CLOSED CASE

These long, fiberglass tapes have a compact, closed metal case that fits nicely in your hand. The flush-folding crank pops up for easy rewinding. If you're measuring alone, the metal catch hook is set at zero, so there's no need for a correction.



FEATURES:

- Heavy-duty blades with 40,000 strands of fiberglass ensures a long life under the most demanding field use.
- Stretch-resistant, extremely resilient.
- Closed, metal housing protects the tape.
- Blade is 1/2-inch.
- The crank handle is metal to provide years of rugged use.
- Double-throat rollers guide blade return and prevent tape from twisting.

Part Number	Description	Price
MC-10-50	50' Tape, 10ths/100ths	\$16.25
RF-10-50	50' Refill, 10ths/100ths	\$11.50
MC-10-100	100' Tape, 10ths/100ths	\$24.50
RF-10-100	100' Refill, 10ths/100ths	\$16.25
MC-18-50	50' Tape, Feet/Inches/ 1/8ths	\$16.25
RF-18-50	50' Refill, Feet/Inches/ 1/8ths	\$11.50
MC-18-100	100' Tape, Feet/Inches/ 1/8ths	\$24.50
RF-18-100	100' Refill, Feet/Inches/ 1/8ths	\$16.25

FIBERGLASS MEASURING TAPES

LUFKIN HI-VIZ® ORANGE LINEAR FIBERGLASS TAPE

- Durable 1/2" wide fiberglass tape
- Non-conductive, easy-to-read black, red markings, yellow background
- Lightweight high impact ABS winding drum for smooth tape recovery
- Blaze orange case
- Lightweight high impact ABS case



Closed Reel - Graduated on one side:

Part Number	Item Description	Blade Style	Price
706L	100' in Feet, Inches, 8ths	C1	\$23.95
O706L	Replacement Blade for 706L	C1	\$16.75
706D	100' in Feet, 10ths, 100ths	C2	\$23.95
O706D	Replacement Blade for 706D	C2	\$16.75



Closed Reel

Open Reel - Graduated on one side

Part Number	Item Description	Blade Style	Price
1706	100' in Feet, Inches, 8ths	C1	\$23.95
O706L	Replacement Blade for 1706		\$16.75
1706D	100' in Feet, 10ths, 100ths	C2	\$23.95
1707	150' in Feet, Inches, 8ths	C1	\$27.00
1707D	150' in Feet, 10ths, 100ths	C2	\$27.00
1708	200' in Feet, Inches, 8ths	C1	\$39.95
1708D	200' in Feet, 10ths, 100ths	C2	\$39.95
1709	300' in Feet, Inches, 8ths	C1	\$59.95
1709D	300' in Feet, 10ths, 100ths	C2	\$59.95



Open Reel
Graduated
on One Side

Open Reel - Combination English & Metric:

Part Number	Item Description	Blade Style	Price
FM015CME	15m/50'	C4	\$14.95
FM030CME	30m/100'	C4	\$25.00
FM030DM	30/100'	C7	\$25.00
FM050CME	50m/150'	C4	\$28.95
FM060CME	60m/200'	C4	\$32.95
FM100CME	100m/328'	C4	\$59.95



Open Reel
Combo
English/Metric

Open Reel - Metric:

Part Number	Item Description	Blade Style	Price
HY1730CM	30m in Meters, Centimeters, Decimeters	C3	\$23.95
HY1750CM	50m in Meters, Centimeters, Decimeters	C3	\$38.95

SOKKIA FIBERGLASS APPRAISER'S TAPE

- Large hook on end to catch the edge of a building helps insure accuracy.
- 100' tape is graduated in feet, 10ths and 100ths on one side, feet and inches on the other side.



- 8456-74 100' Tape\$45.95 each
- 8456-84 100' Refill.....\$27.50 each

MEASURING TAPES

LUFKIN SUPER HI-WAY® NUBIAN®

- Nominal thickness .017"
- Easy-to-read raised graduations
- Lines have a blank space at each end
- Extra foot before zero graduated right to left to 1/10ths and 1/100ths
- Balance marked every foot except last foot of each 100' length, 100ths

Lufkin®



09100B	5/16" x 100' Tape Refill.....	\$214.95 each
09200B	5/16" x 200' Tape Refill.....	\$449.95 each
09300B	5/16" x 300' Tape Refill.....	\$589.95 each
31-100	Reel for 100' Tape.....	\$89.95 each
31-200	Reel for 200' Tape.....	\$179.95 each
31-300	Reel for 300' Tape.....	\$212.95 each

KESON SURVEYORS ROPE - FIBERGLASS



Makes an ideal drag chain for rough surveying measurements. Numbers are graduated from the strap handle upward to the end of the rope.

- Tough, flexible and lightweight.
- White with black and red markings.
- Coating: Clear Coat.
- Tensile Strength: 100kg / 200 lbs.
- Width: 1/4"
- Blade Material: Fiberglass



Part Number	Item Description	Price
SR10100	100' in Feet, 10ths	\$15.95
SR10200	200' in Feet, 10ths	\$23.95
SR-10-300	300' in Feet, 10ths	\$30.95
SR18100	100' in Feet, Inches	\$15.95
SR18200	200' in Feet, Inches	\$23.95
SR-18-300	300' in Feet, Inches	\$30.95
SR-30M	30m in Meters by 5cm	\$15.95
SR-50M	50m in Meters by 5cm	\$23.95
SR-100M	100m in Meters by 5cm	\$30.95

LUFKIN PRO SERIES TAPE, NYCLAD YELLOW STEEL, 3-TO-1 REWIND

Lufkin®

Durable nylon coating on blade resists wear under extreme conditions.

- Super fast 3-to-1 blade retraction saves time in the field
- Steel blade will not stretch under normal use
- Engineers' Scale - 10ths & 100ths of feet



Part Number	Item Description	Price
PS1806	100' in Feet, Inches, 8ths	\$51.95
PS1806D	100' in Feet, 10ths, 100ths	\$51.95
PS1808	200' in Feet, Inches, 8ths	\$81.95
PS1808D	200' in Feet, 10ths, 100ths	\$81.95
PS1809D	300' in Feet, 10ths, 100ths	\$129.95

PROTAPE OPEN REEL FIBERGLASS TAPES

- Fiberglass blades and ABS plastic case w/contoured grip handle
- Hand-wind
- Folding end hook
- Extra large stake enables secure measurements



U.S. TAPE

WORLD CLASS TOOLS SINCE 1876



59973



59974

Part Number	Size	Measures In	Price
59965	1/2" x 100'	English Ft/In/8ths	\$22.95
59966	1/2" x 200'	English Ft/In/8ths	\$38.95
59967	1/2" x 300'	English Ft/In/8ths	\$58.95
59972	1/2" x 100'	Engineer's Ft/10ths/100ths	\$22.95
59973	1/2" x 200'	Engineer's Ft/10ths/100ths	\$38.95
59974	1/2" x 300'	Engineer's Ft/10ths/100ths	\$58.95

POWER TAPES



THE TRADESMEN CLOSED CASE 50' TAPE

The Tradesmen has a dynamic and versatile ring end hook providing easier one person measurement. The acrylic coated blade is strong and has proven durability. Komelon's Tradesmen has a compact case with a belt clip for convenient storage.



- 50' x 3/8"
- Acrylic coated blade with versatile end hook
- Compact case design with belt clip
- Folding rewind crank on backside of tape measure
- Inches and Feet

905A..... \$13.95 each

KOMELON POWER TAPE

Komelon's Power Tape is affordable, functional, and extremely valuable. The Power Tape has a thick, high carbon steel blade, a triple riveted end hook, and an extremely durable ABS case.



- Compact, durable ABS case
- Thick, high carbon steel blade
- Acrylic coated steel blade with triple riveted end hook
- Inches/Feet

3916A 3/4" X 16' \$6.95 each
 3925 1" X 25' \$7.95 each

THE PROFESSIONAL, CHROME

Built to perform and last, this is an ergonomically designed chrome tape that can complete any job. The Professional has Komelon's nylon coated blade which is stopped and locked with a powerful slide lock.



- Ergonomically designed chrome case
- Nylon coated steel blade
- Slide lock to hold blade

412HV 5/8" x 12' - Inches/Feet.....\$5.95 each
 416HV 5/8" x 16' -- Inches/Feet\$7.95 each
 425HV 1" x 25' - Inches/Feet 425HV\$10.95 each
 430HV 1" x 30' - Inches/Feet 430HV\$13.95 each
 425IEHV 1" x 25' - Inch/Engineer Scale.....\$10.95 each



Shop our Survey Supplies online @
www.cspsurveyequipment.com



LUFKIN HI-VIZ® ORANGE SERIES P1000 POWER TAPES

- Hi-Viz® orange case - easy to find on the job
- Case designed to fit perfectly in the hand
- Lightweight, high strength case, fits easily into most tape holsters
- Bright yellow blade has clear easy-to-read numerals
- Toggle lock is positioned for convenient operation
- Holds the blade securely in any position
- Cushioned blade return
- Removable belt clip
- Rubber cushion case exterior protects tape from impact & improves grip
- Cushioned blade return



ENGLISH

PHV1312 A2 Blade - 3/4" x 12'\$9.95 each
 PHV1316 A2 Blade - 3/4" x 16'\$12.95 each
 PHV1425 A2 Blade - 1" x 25'.....\$13.95 each
 PHV1433 A2 Blade - 1" x 33'.....\$19.95 each

ENGINEER'S

PHV1312D A4 Blade - 3/4" x 12'\$9.95 each
 PHV1325D A4 Blade - 3/4" x 25'\$14.95 each
 PHV1048DM A29 Blade - 1" (25mm) x 25' (7.6m)\$15.95 each
 PHV1425D A4 Blade - 1" x 25'\$15.95 each

METRIC

PHV1035CM A9 Blade - 19mm x 5m \$13.95 each
 PHV1048CM A9 Blade - 25mm x 8m \$16.95 each

COMBINATION: ENGLISH/METRIC

PHV1035CME A13 Blade - 3/4" x 16' (5m) \$13.95 each
 PHV1038CME A30 Blade - 3/4" x 26' (8m) \$15.95 each
 PHV1048CME A30 Blade - 1" x 26' (25 mm x 8m) \$16.95 each

LUFKIN EXECUTIVE® THINLINE POCKET TAPE

- Convenient for office, briefcase, or pocket
- 6' easy-to-read blade
- Power retraction



W606 A16 Blade, Inches/8ths - 1/4" x 6' \$16.95 each
 6+ \$15.95 each
 W608 A16 Blade, Inches/8ths - 1/4" X 8' \$17.95 each
 W606ME A17 Blade, English/Metric - 1/4" X 2M (6')..... \$18.95 each
 6+ \$16.95 each

POWER TAPES

Lufkin®

LUFKIN HI-VIZ® ORANGE UNIVERSAL LIGHTWEIGHT LONG STEEL TAPES, CLOSED REEL

- High impact polystyrene Hi-Viz® orange case
- Yellow clad blade .005"/0.13mm thick
- Easy wind nylon drum
- Easy-to-read black and red markings
- Hook ring is retained neatly in the contoured mouth of the case
- Removable belt clip
- All tapes are carded
- Has a 2-sided end hook for use with either scale



50A	3/8" x 50' – Feet, Inches, 8ths	.....\$17.95 each
100L	3/8" x 100' – Feet, Inches, 8ths	.....\$23.95 each

Metric Tapes: Meters on one side, Inches/Feet on other side

HV15CME	10MM X 15M	.....\$16.95 each
HV30CME	10MM X 30M	.....\$21.95 each

LUFKIN PEERLESS CHROME-CLAD STEEL TAPES

- Chrome Clad® blade
- 1/4"/6mm wide and .016" thick
- Designed for engineers and surveyors who prefer a 4-arm reel
- Subdivided line removes easily from reel
- Long, easy-action winding handle that locks line in any position
- Reel is nickel plated, 4-arm with rollers in each arm for smooth winding
- Open design construction aids in drying line and clearing out dirt
- Pair of 580 finger rings, a 579 engineer's conversion rule are furnished



C1276	100' Tape in Feet, Inches, 8ths	.....\$249.95 each
OC1276	100' Replacement Blade	.....\$199.95 each
C1276D	100' Tape in Feet, 10ths, 100ths	.....\$249.95 each
OC1276D	100' Replacement Blade	.....\$199.95 each
C1278D	100' Tape in Feet, 10ths, 100ths	.....\$449.95 each
OC1278D	200' Replacement Blade	.....\$379.95 each

METRIC TAPES: 10THS/100THS ON ONE SIDE, MM ON OTHER SIDE

C2730DMM	100'/30m Combo Eng/Metric Tape	.....\$239.95 each
OC2730DMM	100ft/30m Replacement Blade	.....\$199.95 each

LUFKIN MEZURALL® POWER RETURN TAPE

- Chrome plated case
- Yellow clad blade
- Power retraction operation
- Belt clip



W9210ME	A11 Blade - 1/2" x 10' (3m), English/Metric	.....\$12.95 each
W9312D	A4 Blade - 3/4" x 12', 10ths, 100ths	.....\$16.95 each
W9212	A1 Blade - 1/2" x 12', Inches/Feet	.....\$15.95 each

LUFKIN PEERLESS YELLOW-CLAD TAPES

- Designed for engineers and surveyors who prefer a 4-arm reel
- Yellow Clad blade
- 1/4"/6mm wide and .016" thick
- Subdivided line removes easily from reel
- Long, easy-action winding handle that locks line in any position
- Reel is nickel plated, 4-arm with rollers in each arm for smooth winding
- Open design construction aids in drying line and clearing out dirt
- Pair of 580 finger rings, a 579 engineer's conversion rule are furnished



INCHES

Y1276	1/4" X 100'	.....\$228.95 each
Y1278	1/4" X 200'	.....\$329.95 each
Y1279	1/4" X 300'	.....\$429.95 each

10THS

Y1276D	1/4" X 100'	.....\$228.95 each
Y1278D	1/4" X 200'	.....\$329.95 each
Y1279D	1/4" X 300'	.....\$429.95 each

LUFKIN SERIES 2000 POWER RETURN TAPES

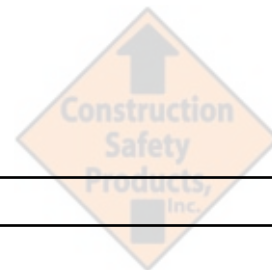
- Removable belt clip
- Cushioned blade return
- Virtually unbreakable Quad Hook
- Fits easily into most tape holsters
- Case designed to fit perfectly in the hand
- Lightweight, high strength chrome finished case
- Bright yellow blade has clear easy-to-read numerals
- Toggle lock positioned for convenient operation, holds blade securely



ENGINEER'S, FEET, 10THS, 100THS:

2312D	A4 Blade 3/4" x 12'	.....\$13.95 each
2325D	A4 Blade 3/4" x 25'	.....\$18.95 each
2133D	A4 Blade 1" x 33'	.....\$25.95 each

CUSTOMER NOTES:



****REFILLS AVAILABLE FOR MOST TAPES****

FOLDING RULERS

LUFKIN WOOD RULE RED END®

- Marked both sides, both edges
- Graduated to 1/16ths both edges
- 16" stud centers marked in red
- Regular outside markings
- 5/8" x 6'

066	1-5	\$13.95 each
	6+	\$12.50 each



066

LUFKIN ENGINEER'S SCALE WOOD RULE RED END®

- Red foot figures
- Regular outside markings in feet, inches and 1/16ths
- Decimal points on engineer's scale prevent reading errors

1066D	6' x 5/8" - Graduated in feet, 1/10ths and 1/100ths of feet	
1066DM	2M x 5/8" - Graduated in millimeters and feet, 1/10ths and 1/100ths	
	1-5	\$19.95 each
	6+	\$17.95 each



1066DM

LUFKIN METRIC & ENGLISH WOOD RULE RED END®

- Marked both sides, reading left to right on both sides
- Graduated in millimeters with centimeter, meter markings on metric side
- English side is marked to 1/16ths

062CME	2m x 5/8" - Metric and English	
	1-5	\$15.95 each
	6+	\$14.50 each



1066D

LUFKIN TWO WAY® WOOD RULE RED END®

- For measuring left to right, right to left
- Marked both sides
- Graduated in feet, inches and 1/16ths on both sides and both edges
- Flat inside markings lie close to the work
- 5/8" x 6'

966A	\$14.95 each
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966

LUFKIN WOOD RULE RED END® WITH 6" SLIDE RULE EXTENSION

- Graduated slide rule extends up to 6"
- Slide rule runs under friction in T-slot
- Stops at each end to prevent slide from falling out
- Marked both sides and both edges
- Graduated to 1/16ths of an inch
- 16" stud centers in red, regular outside markings
- 6' x 5/8"

X46	\$18.95 each
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X46

RHINO RULERS – 5/8" X 6'

These waterproof, folding rulers are very heavy duty. Made of Fiberglass, they are waterproof and wear resistant. They come in many scales and are embossed so won't wear away under harsh working conditions. Call for other scales and more info.

55125	Engineer's Scale			
	1-5	\$18.50 each	6+	\$16.95 each
55145	Carpenter's Scale			
	1-5	\$17.50 each	6+	\$15.95 each
55155	English/Metric Scale			
	1-5	\$17.50 each	6+	\$15.95 each
55160	Carpenter's Scale w/6" Sliding Extension			
	1-5	\$19.50 each	6+	\$17.50 each



SCALES & RULERS

C-THRU® A-23 - AREA SCALE 660

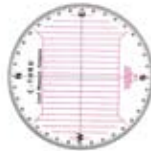
1-1/16" x 8-5/16" Opaque laminated area scale with calibrations of 1" to 660' on one edge. The opposite edge is calibrated 1" to 40 rods and 1" to 10 chains.



A-23 \$4.50 each

C-THRU® A-26 - LAND MEASURE COMPASS

5" diameter transparent land measure compass divided into four quadrants, each graduated from 0 to 90°. North and South are zero points and East and West are marked with 90°. Laminated for durability.



A-26 \$4.50 each

A-26A - LAND MEASURE COMPASS WITH ARM

Same as above with cursor arm – used to lay out a property description.



A-26A \$5.25 each

C-THRU® A-29 - AREA SCALE

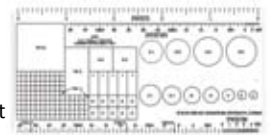
Transparent area scale with the following calibrations: 1" = 660' = 1/8 mile; 1" = 1 rod; 1" = 440' = 1/12 mile; 1" = 10/tenths. In the center are equal dotted squares, a 1 dot square = 0.1 acre; 1 25 dot square = 2.5 acres; and large squares = 10 acres. Laminated for durability. 2-1/2" x 6-3/8"



A-29 \$5.25 each
12+ \$4.75 each

C-THRU® A-31 - AREA SCALE

Transparent area scale for quick plotting and estimating number of acres on 660 scale. Calibrations include 1" = 660', 1" = 1,320' and a 10ths scale. Laminated for permanent printing. 2 -3/4" x 5"



A-31 \$4.25 each

C-THRU® - 6" PROTRACTOR RULERS

W-37 - 10THS/50THS

Transparent 180° protractor with 10ths and 50ths to the inch scales. Laminated for durability. 1-1/2" x 6-1/4".



W-37 \$2.15 each

W-38 - 10THS/20THS

Transparent 180° protractor with 10ths and 20ths to the inch scales. Laminated for durability. 1-1/2" x 6-1/4".



W-38 \$2.15 each

W-43 - METRIC

Transparent 180° protractor with 1:500 and 1:1000 meter scales. Laminated for durability. 1-1/2" x 6-1/4".



W-43 \$2.15 each

C-THRU® 360° PROTRACTOR, 3-1/2"

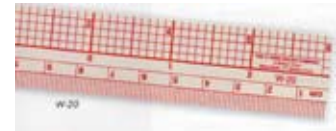
Calibrated in degrees. Laminated with solid center.



255 \$1.45 each

C-THRU® ENGLISH/METRIC RULER

Transparent metric graph ruler with scales in 10ths to the inch and millimeter graduations. Features a zero centering scale. Laminated. 1" x 6"



W-20 1" x 6" \$1.25 each
W-30 Same as above – 1" x 12" \$1.55 each

C-THRU® ARCHITECTS' RULER

Transparent architects' ruler with inch scales in 4ths, 8ths, and 16ths to the inch scales. Plus 8ths graph feature. Laminated. 1" x 6"



W-15 \$1.30 each

C-THRU® 360° CIRCULAR PROTRACTOR, 6"

Calibrated in 1/2°, laminated, beveled edge and cut-out center.



260 \$1.95 each

SCALES & RULERS

4" MINIATURE TRIANGULAR SCALES PLASTIC TRIANGULAR SCALES

TS-648 ARCHITECTS' TRIANGULAR SCALE

Has fully divided engraved graduations of 1/8, 1/4, 1/2, 1, 3/32, 3/16, 3/8, and 3/4" to the foot and a scale divided in 16th and 32nd parts to the inch. Color coded.



TS-648..... \$13.95 each

TS-649 ENGINEERS' TRIANGULAR SCALE

Offers fully divided engraved graduations of 10,20,30,40,50 and 60 parts per inch. Color coded.



TS-649 C-THRU® Brand, 4" \$13.95 each
 31ATS ALVIN® Brand, 4" \$13.95 each
 610E ALVIN® Brand, 6" \$13.95 each

C-THRU® 12" PLASTIC TRIANGULAR SCALES

TS-656 ARCHITECTS' SCALE, 12"

Numbered in 3/32, 1/8, 3/16, 1/4, 3/4, 1, 1-1/2, 3 to the foot and 16ths to the inch. Fully divided below zero. Printed in 3 colors for easy scale identification. 3/4" x 12-3/4".



TS-656..... \$10.95 each

TS-657 - ENGINEERS' SCALE, 12"

Fully divided, numbered in 10, 20, 30, 40, 50 and 60 parts to the inch. Printed in 3 colors for easy scale identification. 3/4" x 12-3/4"



TS-657..... \$10.95 each

TS-659 METRIC TRIANGULAR SCALE, 30CM

Premium engraved scale fully divided in 1:100, 200, 250, 300, 400 and 500 meters. Color Coded. 2cm x 30cm,



TS-659..... \$13.95 each

ALVIN® 740PM SERIES METRIC PLASTIC TRIANGULAR SCALES

Professional quality Metric Scales made from high-impact plastic with white non-reflecting, matte faces and tapered edges. Hot-stamped graduations and color-coded furrows. Includes hard plastic case.



740PM – 1:20, 1:25, 1:50, 1:75, 1:100 SCALES..... \$14.95 each
 742PM – 1:100, 1:200, 1:250, 1:300, 1:100, 1:500 SCALES..... \$14.95 each
 744PM – 1:2.5, 1:5, 1:10, 1:20, 1:50, 1:100 SCALES..... \$14.95 each
 748PM – 1:20, 1:25, 1:33½, 1:50, 1:75, 1:100 SCALES..... \$14.95 each
 6+ (Can mix and match)..... \$13.50 each

ALVIN® RULERS

T40-12 – 12" ACRYLIC RULER

Scratch-resistant, super-clear acrylic with raised edge to prevent smearing.



Scales 1/16 on one edge, metric on opposite edge, blank spaces at ends for easier measuring, plumb line at each end.

T40-12..... \$2.50 each

C-THRU® KT-90 TRIANGLE SET

Features 6" - 45°/90°, 8" - 30°/60°, Inch/Metric calibrations. Cut out center with finger lifts. Beveled edge.



Also sold separately:

KT-90-6 6" - 45°/90° \$2.25 each
 KT-90-8 8" - 30°/60° \$2.95 each

KT-90 Set..... \$3.75 each

ALVIN® PROFESSIONAL ACRYLIC TRIANGLES – F SERIES

Fluorescent Orange color. Will not warp or discolor with age and handling. The machined finish and hand-polished edges meet or exceed government standards. The F Series is popular because the refracted light has an illuminated effect on the drawing by accentuating the triangle's edge. Double-taper cutout center for quick, easy lifting from any angle.



130F-4 30°/60° - 4" \$4.75 each
 131F-4 45°/90° - 4" \$4.75 each
 130F-6 30°/60° - 6" \$5.40 each
 131F-6 45°/90° - 6" \$5.40 each

ALVIN® WHITE PLASTIC FLAT SCALES

- Four-bevel white scales made of high-impact plastic
- Printed graduations.
- Comes with vinyl storage sheath.
- Graduations in 10, 20,30, 40, 50 and 60 parts to the inch



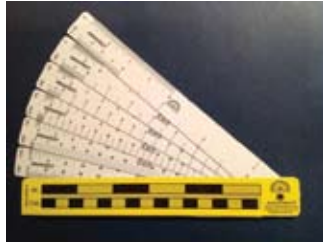
269P 6" Engineers..... \$12.50 each

SCALES & RULERS

MULTISCALE SCALER

Includes 24 Architect and English/Metric scale ratios.

7-1/2" long yellow vinyl jacket holds 6 leaves printed on both sides with the various scales. Includes Architect Scales from 1/32" to 3", Metric Scales from 20 to 11 parts per m, and Engineer English Scales from 10 to 60 parts per inch.



020 Qty: 1-9 \$13.50 each
 Qty: 10+ \$11.50 each

MULTISCALE QUADRANGLE

Includes 12 common Map Scales for measuring distance on topographic quad maps and aerial photos. 7-1/2" gray vinyl jacket holds six leaves printed on both sides. Scales read in feet, miles, meters and chains



60 Qty: 1-9 \$13.50 each
 Qty: 10+ \$11.50 each

AERIAL PHOTO CHAIN SCALE

Used to read aerial photos and maps in chains. White vinyl, 6.25" x 1'. Graduated on both sides with the following chains: 1:12,000 (1" = 15 chains), 1:15,840 (1" = 25 chains) all reading directly in chains and inches reading directly in inches to 10ths.



005 \$2.50 each

WAYPOINTER COORDINATE SCALES

These scales are for use with the most common maps for plotting and reading coordinates for either Latitude/Longitude or UTM in conjunction with various USGS and other maps. They all come with easy to read instructions by example.

THE ORIGINAL WAYPOINTER

- Five Latitude/Longitude Scales that provide quick and simple means of reading & plotting coordinates on maps.
- Clearly defined accurate scales & slots by each scale make it The Best Scale on the market for plotting & measuring Latitude and Longitude coordinates.
- Slots by each scale so positions can be marked on the map.
- Has appropriate scales for the following maps:



7 1/2 Minute Topos
 1:24K 15 Minute Topos
 1:62.5K 30' x 60' Topo(BLM) 1:100K
 1° x 2° U.S. Forest Service
 1:126.72K USGS
 1:250K

WP-0 \$10.75 each

POCKET WAYPOINTER

- Designed for both Lat./Long. and UTM for the 7.5 min Topo (Scale of 1:24,000)
- Two Lat./Long. scales in Min. & Sec. and Min. and Hundredths of a min. Can be used to convert one to the other.
- Quick reference to convert Miles to Meters or vice versa.
- Complete set of easy-to-follow instructions by example.
- Convenient size for use in the field.
- Made of durable .030 vinyl



WP-P \$9.50 each

MULTI-SCALE UTM WAYPOINTER

Overlays for plotting UTM coordinates, in addition to locating coordinates on maps of the following scales:

- 1 : 100,000
- 1 : 50,000
- 1 : 62,500
- 1 : 63,360
- 1 : 24,000
- 1 : 25,000
- 1 : 250,000



WP-UTM \$9.50 each

NORTHERN WAYPOINTER

- Scales for measuring Lat/Long and UTM for the most common USGS Alaskan map on the scale of 1:63.36K
- Both Lat/Long and UTM scales for the most common Canadian scale of 1:50K.
- Convenient size so that it will fit in your pocket.
- Comes with a complete set of easy to understand instructions by example. Includes samples of both sizes of maps with examples of how to read and plot Lat/Long and UTM coordinates.



WP-N \$9.50 each

SCALES & RULERS

ALVIN® DOUBLE READOUT PLAN MEASURE

Ideal for blueprints, map scaling, and drawing. Determines distances in miles or kilometers on maps and plans according to scales indicated on dial. Assures precision measurement forward or backward and follows curved lines. Precision metal gears are reset by revolution counter. Convenient handle for easy maneuverability. Easy-to read dial with unbreakable plastic face. Graduated in 1/2", 1/4", 1/8", and 1/16" to the foot. Includes leather-like vinyl pouch for protection.

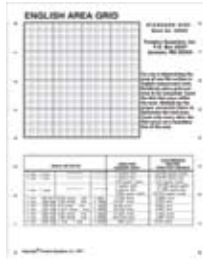


45257 \$35.50 each

MODIFIED ACREAGE GRIDS (English Area Grids)



4581 45009



Used for determination of acreage on maps of any scale. Has 64 dots per inch. Used by merely placing grid over photo and counting dots; then multiply by the proper conversion factor for the scale you are using to obtain total area.

45008 Standard Size 7" x 9" (4 x 4 work area).....\$6.00 each
 4581 Super Size 9" x 12" (8 x 8 work area).....\$7.50 each

ALLEN INDUSTRIAL ENGINEERING SCALES

Use on maps to post oil and gas wells, towers, buildings and tracts of land. White plastic leaves hinged at one end. 23 leaves with 48 scales. Case included. 1" x 7-7/8" x 1/4" folded.



10001-E \$19.50 each

ALLEN MISCELLANEOUS SCALES

Designed especially for use on maps drawn to a proportional scale such as 1:1000, 1:250,000 etc. Features a variety of scales – both English and Metric. Government agencies use this system in drawing quadrangle sheets, aeronautical charts etc.



10001-M \$19.95 each

ALLEN WELL POSTER

Designed to enable draftsmen to post wells on maps drawn to the scales. The Allen Well Poster is printed on flexible opaque white plastic and laminated with clear vinylite to eliminate friction wear on graduations and numbers.



10001-WP \$9.50 each

40-ACRE LAND LOCATOR – TYPE A

Used by the U.S. Geological Survey in compiling topographical maps, this tool includes a fractional-acre reference table showing square areas or fractional acres, approximate lot sizes and formulas for conversion of acres and fractional acres. One edge contains a foot scale for simplification of road and driver measurement plus a "distance to" indicator. Boundary locator included. 3-5/8" x 6-5/8". Frosted plastic.



Scale: 1" = 2000', 1" = 1 mile

TD40A \$9.95 each

40-ACRE LAND LOCATOR – TYPE B

This template includes features of the Type A Land Locator (sold above). In addition, square holes appear as cutouts in sizes of 2-1/2, 5, 10 and 40 acres. Cut-outs are on both scales, 1" = 2000 ft. (1:24,000) and 1" = 1 mile (1:62,000) and make it easy to draw exact size and location of any area on pin-pointed map. 3-5/8" x 6-5/8". Frosted plastic.



TD40B \$10.95 each

CUSTOMER NOTES:



SCALES & RULERS

PORTA-TRACE® PORTABLE LIGHT TABLES

Ideal for use in tracing, drafting, calligraphy, photography, visual aids, graphic arts, transparency and slide viewing, signs, etc. Handy, portable – more economical and easy to use than bulky, old-fashioned light tables. The Porta-Trace can go with you and takes up very little space. Stainless steel case with unbreakable plexiglass top. Includes grounded 6' cord with grounding plug. Color corrected lamps. UL listed. Rubber feet to prevent slipping.



Number	Description	Price
1118-2L	11" x 18" – 12 LED Modules – Weighs 8 lbs. Strong, nearly uniform lighting. Back leg allows table to be tilted. Does not have a carrying handle	\$189.95
1618L	16" x 18" – 18 LED Modules – Weighs 12 lbs. Strong, nearly uniform lighting with two switches, each of which controls one or two of the lamps allowing the user to vary the lighting. Back leg allows table to be tilted.	\$319.95
1824L	18" x 24" – 24 LED Modules– Weighs 14 lbs. - Strong, nearly uniform lighting with two switches, each of which controls one or two of the lamps allowing the user to vary the lighting. Has a carrying handle.	\$449.95
2436L	24" x 36" – 44 LED Modules – Weighs – 26 lbs. Two switches, each of which controls one or two of the lamps allowing the user to vary the lighting. Most uniform lighting.	\$605.00

**Full line of Gagne Light Tables available. Call for details.*

SOKKIA™ POCKET STEREOSCOPE




- 2x or 4x magnification with interpupillary range from 55mm to 75mm
- Field of view: 125mm x 125mm; optical path: 50mm
- Pocket case included

8179-50 2x Pocket Stereoscope \$64.95 each
 8179-51 4x Pocket Stereoscope \$64.95 each

STUDENT POCKET STEREOSCOPE

- 2.2 magnification
- Adjustable interpupillary range
- Folding metal legs



SPS-1 SPS-1 \$8.95 each
 6+ \$7.95 each

AERIAL STEREOGRAMS -BOOK OF AERIAL STEREOGRAPH PHOTOGRAPHS

-by Harold L. Wanless, Dept. of Geology, Univ. of Illinois

An introduction to geology, geography, conservation, forestry, and surveying using stereo photographs. Features 92 stereo pairs of landforms, rock structures, vegetation, soil types, and conservation are bound in one volume to keep pairs together. Shows elevations, depressions and contours of natural terrain. 8-1/2" x 11". Specially spiral bound to lay flat for optimum viewing.

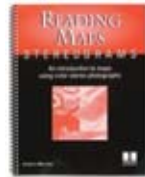


580 \$18.50 each

READING MAPS – STEREOGRAMS

-by Paul A. Riffle, Ph.D.

An introduction to maps using color stereo photographs. An introduction to maps using color stereo photographs. This book is designed to help you learn to read maps by comparing time with stereoscopic aerial color photographs. Spiral bound – 72 pages.



440 \$17.95 each

CONTOURS-STEREOGRAMS

-by Horace MacMahon, Ph.D., Eastern Michigan University

An introduction to reading contours using stereo photographs. Topographic contour maps of typical landforms, shown along with a one color stereo contour map of each area. Helps you to recognize these land forms on flat maps. Spiral bound – 32 pages.

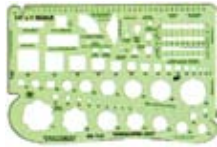


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TEMPLATES

TIMELY® YARDSCAPER LANDSCAPES

Symbols for planning yards and garden.
Scale: 1/4" = 1'. Size: 6-3/8" x 9-3/4" x .020"



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Contains various symbols for landscape design.



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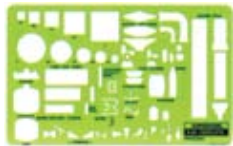
Contains valves, flanges, elbows, reducers, caps, and pumps
Size: 5-3/16" x 8-1/2" x .030"



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For flow sheet diagrams in the chemical, foods, petroleum, plastics and allied industries
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Contains symbols for pipe, end bell, flange & fittings in seven sizes
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Contains standard traffic engineering symbols in 24", 36" & 48" scales
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Contains arrows, north indicators, road signs, & traffic markers
Size: 4" x 6" x .030"



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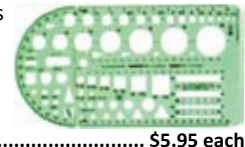
Contains standard symbols and users legend
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Scale: 1" = 20' and 40'.
Size: 4-1/16" x 7-5/8"



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The Eaton EH360 Water Suction and Discharge Hose is an economical, lightweight and flexible hose designed for applications in light and medium water suction and discharge operations. The SBR blend in the cover and tube is designed to provide exceptional resistance to abrasion and weathering. It incorporates a steel helical wire in the hose wall for full suction capability and is an excellent choice for construction and industrial applications.



Part Number	Description	I.D.	O.D.	Min. Bend Radius	Price
EATON200-20CXE	2" X 20' w/Male and Female Couplings	2"	2.48"	12"	Call
EATON200HOSE	2" Hose, No couplings, Sold by the Foot	2"	2.48"	12"	Call
EATON300-20CXE	3" x 20' w/Male and Female Couplings	3"	3.54"	18"	Call
EATON300HOSE	3" Hose, No Couplings, Sold by the Foot	3"	3.54"	18"	Call
EATON400-20CXE	4" x 20' w/Male and Female Couplings	4"	4.58"	24"	Call
EATON400HOSE	4" Hose, No couplings, Sold by the Foot	4"	4.58"	24"	Call

STRATOFLEX 213 HYDRAULIC HOSES

Stratoflex 213 Hydraulic Hoses offer industry leading performance and value. Meeting or exceeding specifications, these hoses are available in the sizes, pressure ratings and long-lasting durability your hydraulic or pneumatic systems demand. Use for petroleum base hydraulic fluids and lubricating oils, diesel fuels and anti-freeze solutions. Reinforced with one fiber braid and one steel braid. Specifications SAE J1402 AI/D.O.T. FMVSS 106 AI – Air Brake. Sold by the foot.



Part Number	I.D.	O.D.	Working Pressure	Min. Bend Radius	Vacuum Rating (in of Hg)	Price
213-6	5/16"	.62"	1500	1-1/4"	28	Call
213-8	13/32"	.74	1250	1-3/4"	28	Call
213-10	1/2"	.83	1000	2-1/4"	28	Call
213-16H	7/8"	1.21	400	3-1/2"	20	Call

STANDARD DUTY PVC DISCHARGE HOSE

50' PVC Standard Duty, Blue, Water Discharge Hose with C-E AL. 3:1 Safety Factor. 65# Working Pressure. Operating temperature -5 – 130° F.



- DH2x50 2" x 50' w/Female Camlock Only Call for pricing
- DH2x50-KC 2" x 50' w/KC Nipple..... Call for pricing
- LD300 3" x 50', Add Fittings Call for pricing

NORTH AMERICAN FIRE HOSE POLY-TUFF HOSE

POLY-TUFF 800 is a 100% polyester, double jacket construction hose with a high grade, single-ply, extruded synthetic rubber liner. 50', Plain White in 1-1/2" or 2-1/2" with Factory Mutual Label.



- NAF-PT800-1.550W - 50' x 1-1/2" Call for pricing
- NAF-PT800-2.550W - 50' x 2-1/2" Call for pricing

GOODYEAR® PYROFLEX® II HOT AIR BLOWER HOSE

For conveying hot air from compressors to tanks to bulk dry material carriers. Black heat-resistant Versigard® synthetic rubber tube with a heat-resistant black Versigard® synthetic rubber with orange spiral stripe (wrapped impression) cover. Reinforced with spiral-ply synthetic fabric with wire helix.



Part Number	I.D.	O.D.	Working Pressure	Min. Bend Radius	Vacuum Rating (in of Hg)	Price
HOTAIR300	3"	3.55"	50 psi	7"	29"	Call

- HOTAIRBLOWER300 3" Scrubber Hose Call for pricing
- HOTAIRBLOWERASSY 3" Scrubber Hose Assembly..... Call for pricing

DIESEL FUEL HOSES

For petroleum based hydraulic oils, anti-freeze solutions, water, hot lubricating oils, diesel fuels and air.

- 1/4" through 3/4" with varying lengths

- DHF-52 Call for pricing



We offer Gates Wire Braid Hydraulic Hoses – Call our Nacogdoches store at 800-895-2743 for details and pricing.

**Only the most popular selections are listed. Many others available. Hose prices fluctuate often, please call for details and current pricing.*

ALUMINUM CAMLOCKS

	<i>Part Number</i>	<i>Size</i>	<i>Price</i>
FEMALE NPT X MALE ADAPTER	200A-AL	2"	\$4.95
	300A-AL	3"	\$6.25
	400A-AL	4"	\$9.25
	600A-AL	6"	\$17.50

	<i>Part Number</i>	<i>Size</i>	<i>Price</i>
FEMALE COUPLER X MALE NPT	200B-AL	2"	\$7.25
	300B-AL	3"	\$12.25
	400B-AL	4"	\$15.95

	<i>Part Number</i>	<i>Size</i>	<i>Price</i>
FEMALE COUPLER X HOSE SHANK	200C-AL	2"	\$8.75
	300C-AL	3"	\$12.95
	400C-AL	4"	\$19.95
	600C-AL	6"	\$43.75

	<i>Part Number</i>	<i>Size</i>	<i>Price</i>
FEMALE COUPLER X FEMALE NPT	200D-AL	2"	\$7.75
	300D-AL	3"	\$12.25
	400D-AL	4"	\$16.95

	<i>Part Number</i>	<i>Size</i>	<i>Price</i>
MALE ADAPTER X HOSE SHANK	200E-AL	2"	\$5.50
	300E-AL	3"	\$8.95
	400E-AL	4"	\$14.95

	<i>Part Number</i>	<i>Size</i>	<i>Price</i>
DUST CAP COUPLER	200DC-AL	2"	\$6.95
	300DC-AL	3"	\$10.50
	400DC-AL	4"	\$19.25

	<i>Part Number</i>	<i>Size</i>	<i>Price</i>
DUST PLUG ADAPTER	200DP-AL	2"	\$4.50
	300DP-AL	3"	\$5.50
	400DP-AL	4"	\$8.50

**Brass Camlocks Available*



CAMLOCK ACCESSORIES

CAMLOCK EAR ASSEMBLY

Handle, Ring and Pin – Sold by each

<i>Part Number</i>	<i>Description</i>	<i>Price</i>
PTHBS20/25	For 2" – 2.5" Camlocks	\$4.25
PTHBS30/40/50	For 3", 4" & 5" Camlocks	\$5.75
PHTBS6080	For 6"-8" Camlocks	\$25.95



CAMLOCK GASKETS

Buna N: Color Code Blue. Buna N is standard. It is generally recommended for petroleum derivatives, neutral or slightly acidic salt solutions, alcohols, ethers, glycols, fats, oils and greases. This compound should give good service from -40°F to +250°F.

<i>Part Number</i>	<i>Description</i>	<i>Price</i>
PTB05	2" Camlock Gasket	\$0.60
PTB06	2-1/2" Camlock Gasket	\$0.60
PTB07	3" Camlock Gasket	\$0.75
PTB07-5/16	3" Camlock Gasket – Extra Thick	\$1.50
PTB08	4" Camlock Gasket	\$1.10
PTB08-5/16	4" Camlock Gasket – Extra Thick	\$1.75
PTB09	6" Camlock Gasket	\$2.75



A BRIEF HISTORY OF THE OIL AND GAS INDUSTRY

Oil and gas have played an important role throughout world history. Ancient cultures used crude oil as a substance for binding materials and as a sealant for waterproofing various surfaces. Five thousand years ago, the Sumerians used asphalt to inlay mosaics in walls and floors. Mesopotamians used bitumen to line water canals, seal joints in wooden boats and to build roads. By 1500 B.C., techniques for lighting consisted of a censer or fire pan filled with oil made of a certain volatility so that it would burn slowly and not cause uncontrollable flames or explosions. Over time, the wick oil lamp replaced the fire pan using a flammable oil similar to today's kerosene lanterns.

The Chinese were the first to discover underground oil deposits in salt wells. The Chinese recognized early on the importance and potential use of oil and gas. Around 500 B.C., ancient Chinese history describes wells over 100 feet deep containing water and natural gas along the Tibetan border. The Chinese constructed extensive bamboo pipelines drawing from the wells in order to transport oil and natural gas, which was used for lighting. By 1500 A.D., the Chinese were exploring and digging wells more than 2,000 feet deep. The Romans used flaming containers of oil as weapons of war. The Romans also used oil surface deposits for burning lamps. The importance and significance in the use of oil and gas can clearly be seen dating back over thousands of years.

During the mid 13th century in what is now modern-day Azerbaijan, in the Persian city of Baku, inhabitants devised methods and collected from oil seeps in the surface. By the mid 1590's, shallow pits were dug at Baku to facilitate the collecting of oil. The hand-dug holes reached depths of up to 115 feet. The holes dug at Baku were in essence primitive oil wells, making Baku one of the first true oil fields. In 1650, Romania was the site of Europe's first commercial oil reservoir. This site was a major source of oil for Europe. More than 200 years later, Ploesti, Romania became the site of the world's first oil refinery.

The modern oil and gas industry was born in the late 19th century. In the early 1800's, merchants built dams that allowed oil to float to the waters' surface in an area within Western Pennsylvania called Oil Creek. A technique using blankets was employed placing blankets in the water, letting them soak with oil, and the oil was then retrieved by wringing out the blankets. The oil was sold for two dollars per gallon.

The invention of the kerosene lamp in the mid 1850's led to the establishment of the first U.S. oil company, the Pennsylvania Rock Oil Company. However, the first major oil company was the Standard Oil Company founded by John D. Rockefeller in 1870. Standard Oil built its first oil refinery in Pennsylvania, then later expanded its extensive operations nationwide. After a decade of fierce competition, Standard Oil became the industry's most dominant company controlling 80 percent of the distribution of all principal oil products, in particular kerosene.

In 1909 as a result of antitrust laws, federal courts ordered the break up of the Standard Oil Company dividing it up into 34 separate companies. Standard Oil dominated the first two decades of the oil and gas industry, and the U.S. accounted for more than half of the world's production until around 1950. As the industry became more global in nature, other world markets in Europe, Russia and Asia, began to play a much greater role. New industry giants emerged such as, Shell, Royal Dutch, and Anglo-Persian which later became British Petroleum.

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PIPE AND HOSE FITTINGS

REDUCING ADAPTERS AND COUPLERS, ALUMINUM



Part Number	Size	Price
AR – MALE ADAPTER X FEMALE NPT		
AR3040AL	3" Male Adapter to 4" Female NPT	\$28.95
AR4030AL	4" Male Adapter to 3" Female NPT	\$28.95
BR – FEMALE COUPLER X MALE NPT		
BR3020AL	3" Female Coupler x 2" Male NPT	\$28.95
BR3040AL	3" Female Coupler x 4" Male NPT	\$38.50
BR4030AL	4" Female Coupler x 3" Male NPT	\$38.95
DA – FEMALE COUPLER X MALE ADAPTER		
DA3020AL	3" Female Coupler x 2" Male Adapter	\$22.50
DA3040AL	3" Female Coupler x 4" Male Adapter	\$29.95
DA4020AL	4" Female Coupler x 2" Male Adapter	\$27.95
DA4030AL	4" Female Coupler x 3" Male Adapter	\$29.95
DA6040AL	6" Female Coupler x 4" Male Adapter	\$66.25
SA – SPOOL ADAPTER		
SA2030AL	2" Male Adapter to 3" Male Adapter	\$24.95
SA300-AL	3" Male Adapter to 3" Male Adapter	\$26.95
SA3040AL	3" Male Adapter to 4" Male Adapter	\$26.25
SA400AL	4" Male Adapter to 4" Male Adapter	\$30.50
DD – FEMALE COUPLER X FEMALE COUPLER		
DD200AL	2" Female Coupler x 2" Female Coupler	\$18.50
DD300AL	3" Female Coupler x 3" Female Coupler	\$34.95
DD3020AL	3" Female Coupler x 2" Female Coupler	\$52.95
DD3040AL	3" Female Coupler x 4" Female Coupler	\$32.25
DD400AL	4" Female Coupler x 4" Female Coupler	\$36.95
DD4030AL	4" Female Coupler x 3" Female Coupler	\$58.95
FR – MALE ADAPTER X MALE NPT		
FR3020AL	3" Male Adapter x 2" Male NPT	\$24.95
FR3040AL	3" Male Adapter x 4" Male NPT	\$29.95
FR4030AL	4" Male Adapter x 3" Male NPT	\$32.95

PIPE AND HOSE FITTINGS

BLACK STEEL COUPLINGS – SCHEDULE 40

Part Number	Description	Price
BL1121F050	1/2" Steel Coupling	\$1.25
BL1121F075	3/4" Steel Coupling	\$1.75
BL1121F200	2" Steel Coupling	\$19.95
BL1121F250	2-1/2" Steel Coupling	\$16.95
BL1121F300	3" Steel Coupling	\$26.50
BL1121F400	4" Steel Coupling	\$44.95



BLACK STEEL ELBOWS – SCHEDULE 40

Part Number	Description	Price
BL1101F100	1" 90° Elbow	\$2.75
BL1101F200	2" 90° Elbow	\$6.95
BL1101F300	3" 90° Elbow	\$26.50
BL1101F400	4" 90° Elbow	\$94.50
BL1102F200	2" 45° Elbow	\$10.25
BL1102F300	3" 45° Elbow	\$75.50



BLACK STEEL STREET ELBOW "L" – SCHEDULE 40, MALE TO FEMALE

Part Number	Description	Price
BL1103F075	3/4" Steel "L"	\$3.75
BL1103F100	1" Steel "L"	\$5.95
BL1103F200	2" Steel "L"	\$9.95
BL1103F300	3" Steel "L"	\$68.95



BLACK STEEL T'S – SCHEDULE 40

Part Number	Description	Price
BL1105F050	1/2" Black Steel	\$1.95
BL1105F075	3/4" Black Steel	\$2.75
BL1105F100	1" Black Steel	\$4.50
BL1105F150	1-1/2" Black Steel	\$12.50
BL1105F2	2" Black Steel	\$10.50
BL1105F300	3" Black Steel	\$34.95
BL1105F400	4" Black Steel	\$114.50



STRAINERS – COLD-ROLLED STEEL-PLATED

Part Number	Description	Price
RSS25	2" Long Thin Strainer	\$13.95
RHS25	2" Round Hole Strainer	\$13.50
RHS35	3" Round Hole Strainer	\$21.25
RHS40	4" Round Hole Strainer	\$29.75
RSS35	3" Round Hole Strainer – Long	\$34.95
*Other Strainers Available		



*PRICES SUBJECT TO CHANGE

PIPE AND HOSE FITTINGS

BLACK STEEL NIPPLES- SCHEDULE 40

<i>Part Number</i>	<i>Description</i>	<i>Price</i>
BL339F050X200	1/2" x 2" Steel Nipple	\$1.55
BL339F1/2X3	1/2" x 3" Steel Nipple	\$1.65
BL339F050X4	1/2" x 4" Steel Nipple	\$1.95
BL339F050X600	1/2" x 6" Steel Nipple	\$2.50
BL339F050XCL	1/2" x Close Steel Nipple	\$1.35
BL339F075XCL	3/4" x Close Steel Nipple	\$1.50
BL339F075X2	3/4" x 2" Steel Nipple	\$1.10
BL339F3/4X3	3/4" x 3" Steel Nipple	\$1.95
BL339F075X4	3/4" x 4" Steel Nipple	\$2.50
BL339F075X600	3/4" x 6" Steel Nipple	\$3.25
BL339F075X800	3/4" x 8" Steel Nipple	\$5.00
BL339F075X10	3/4" x 10" Steel Nipple	\$6.50
BL339F075X12	3/4" x 12" Steel Nipple	\$4.75
BL339F100XCL	1" x Close Steel Nipple	\$2.50
BL339F100X200	1" x 2" Steel Nipple	\$2.65
BL339F100X400	1" x 4" Steel Nipple	\$2.95
BL339F100X600	1" x 6" Steel Nipple	\$4.25
BL339F150XCL	1-1/2" x Close Steel Nipple	\$3.25
BL339F4XCL	4" x Close Steel Nipple	\$15.50
BL339F150X200	1-1/2" x 2" Steel Nipple	\$2.75
BL339F150X600	1-1/2" x 6" Steel Nipple	\$6.25
BL339F2XCL	2" x Close Steel Nipple	\$4.50
BL339F2X4	2" x 4" Steel Nipple	\$6.25
BL339F2X6	2" x 6" Steel Nipple	\$8.95
BL339F2X8	2" x 8" Steel Nipple	\$14.95
BL339F250XCL	2-1/2" x Close Steel Nipple	\$11.50
BL339F3XCL	3" x Close Steel Nipple	\$12.95
BL339F3X6	3" x 6" Steel Nipple	\$24.95
BL339F4X4	4" x 4" Steel Nipple	\$18.95
BL339F4X6	4" x 6" Steel Nipple	\$34.75
BL339F4X8	4" x 8" Steel Nipple	\$43.25
BL339F4X10	4" x 10" Steel Nipple	\$46.95
BL339F4X12	4" x 12" Steel Nipple	\$35.50
BL339F6X6	6" x 6" Steel Nipple	\$59.95



HOSE BARB TO MALE NPT - KC NIPPLES

<i>Part Number</i>	<i>Description</i>	<i>Price</i>
DIST1	1/2" Hose Barb x 1/2" Male NPT	\$3.25
DIST10	1" Hose Barb x 1" Male NPT	\$4.95
DIST20	1-1/2" Hose Barb x 1-1/2" Male NPT	\$8.95
DIST25	2" Hose Barb x 2" Male NPT	\$11.95
DIST30	2-1/2" Hose Barb x 2-1/2" Male NPT	\$18.95
DIST35	3" Hose Barb x 3" Male NPT	\$22.95



***PRICES SUBJECT TO CHANGE**

PIPE AND HOSE FITTINGS

BLACK STEEL NIPPLES- SCHEDULE 80, WELDED

Part Number	Description	Price
BL339XH025X400	1/4" x 4" Steel Nipple	\$2.50
BL339XH050400	1/2" x 4" Steel Nipple	\$3.75
BL339XH200X400	2" x 4" Steel Nipple	\$18.25
BL339XH200X600	2" x 6" Steel Nipple	\$24.95
BL339XH200X800	2" x 8" Steel Nipple	\$31.75
BL339XH300X400	3" x 4" Steel Nipple	\$88.25
BL339XH300X600	3" x 6" Steel Nipple	\$62.95
BL339XH300X800	3" x 8" Steel Nipple	\$121.95
BL339XH400X400	4" x 4" Steel Nipple	\$56.25
BL339XH400X600	4" x 6" Steel Nipple	\$92.95
BL339XH400X800	4" x 8" Steel Nipple	\$166.50



STEEL FLANGES - 150 LB RATED

Part Number	Description	Price
BL1205TH300	3" Flange - 150 psi	\$45.50
BL1205TH400	4" Flange - 150 psi	\$52.75



SWAGE NIPPLES - SCHEDULE 40

Part Number	Description	Price
SW339200X050	2" x 1/2" Nipple Swage	\$27.95
SW339200X100	2" x 1" Nipple Swage	\$29.95
SW339300X200	3" x 2" Nipple Swage	\$97.95
SW339400X300	4" x 3" Nipple Swage	\$147.75
SW339600X400	6" x 4" Nipple Swage	\$319.50
<i>*Other Sizes Available</i>		
<i>*Schedule 160 Swage Nipples Available</i>		



BLACK HEX BUSHINGS - SCHEDULE 40

Part Number	Description	Price
BL383F150X075	1-1/2" x 3/4" Hex Bushing	\$4.95
BL383F150X100	1-1/2" x 1" Hex Bushing	\$4.50
BL383F200X050	2" x 1/2" Hex Bushing	\$4.75
BL383F200X075	2" x 3/4" Hex Bushing	\$4.25
BL383F200X100	2" x 1" Hex Bushing	\$5.50
BL383F200X125	2" x 1-1/4" Hex Bushing	\$5.50
BL383F200X150	2" x 1-1/2" Hex Bushing	\$5.95
BL383F300X100	3" x 1" Hex Bushing	\$9.25
BL383F300X200	3" x 2" Hex Bushing	\$12.25
BL383F300X250	3" x 2-1/2" Hex Bushing	\$12.50
BL383F400X200	4" x 2" Hex Bushing	\$25.75
BL383F400X300	4" x 3" Hex Bushing	\$26.25
BL383F600X400	6" x 4" Hex Bushing	\$45.75



INTERCHANGEABLE HAMMER UNIONS – THREADED, FORGED STEEL

Economical hammer union with precision machined metal-to-metal sealing surfaces. Recommended for water, oil or gas up to 1,000 PSI NSCWP. End connections are threaded, butt weld Schedule 80 (XH). Metal seated.

Part Number	Size	Price
100-2A	2" - Figure 100	\$44.95
100-3A	3" - Figure 100	\$69.95
100-4A	4" - Figure 100	\$86.95
100-6A	6" - Figure 100	\$235.95
100-8A	8" - Figure 100	\$439.95



*Full Line of Interchangeable Hammer Unions Available.
Call for more information*

BALL VALVES

Forged brass ball valves combine reliable operation with maximum economy. Metal handle, threaded ends, floating ball. 600 PSI NSCWP. Recommended for water, oil or gas.

Part Number	Size	Price
94A-101-01	1/4" Ball Valves	\$4.25
94A-102-01	3/8" Ball Valve	\$5.75
94A-103-01	1/2" Ball Valve	\$5.95
94A-104-01	3/4" Ball Valve	\$8.95
94A-105-01	1" Ball Valve	\$17.50
94A-106-01	1-1/4" Ball Valve	\$27.95
94A-107-01	1-1/2" Ball Valve	\$30.95
94A-108-01	2" Ball Valve	\$46.95
94A-110-01	3" Ball Valve	\$132.25
94A-112-01	4" Ball Valve	\$214.95



BUTTERFLY VALVES

Wafer Valve with aluminum bronze disc. Ideal butterfly valve for trucks, trailers, tanks, or anywhere a compact butterfly valve may be desirable. Designed with notches in the body, to guide flange bolts during installation, and to keep the valve aligned with the flange during use. A two piece stem allows for maximum flow values, and for repair of butterfly valve parts without special tools. Ductile Iron – Epoxy Coated, Buna Seat, 200 PSI NSCWP

Part Number	Size	Price
BF3LNAD1BL	3" Butterfly Valve – Wafer	\$63.25
BF4LNAD1BL	4" Butterfly Valve – Wafer	\$88.95
BF6LNAD1BL	6" Butterfly Valve – Wafer	\$151.95
BF8LNAD1BL	8" Butterfly Valve – Wafer	\$273.95



FLOW PRODUCTS

BRASS GATE VALVES

- Class 125
- 150 psi
- WOG Non-Shock
- Non Rising Stem

Part Number	Size	Price
GV075	3/4"	\$9.95
GV100	1"	\$14.95
GV200	2"	\$39.95
GV300	3"	\$98.95
GV400	4"	\$172.75



BRASS CHECK VALVES – 125 LBS

Part Number	Size	Price
SC075	3/4"	\$9.95
SC100	1"	\$14.50
SC200	2"	\$45.95
SC300	3"	\$139.95
SC400	4"	\$191.95



CLEAR PVC NIPPLE

PVC Beveled and Threaded on Both Ends



- NIPPLE-10-CLEAR 3" x 6"\$69.00 each
 NIPPLE-4X6-CLEAR 4" x 6"\$89.00 each

LOCK-TOP FILTER SOCKS

Lock-Top Filter Bags offer a plastic collar for better fit and easier disposal. For applications that require reinforced plastic seals or have certain disposal requirements. As an added feature, all seams and the collar are sonically welded, greatly enhancing filtration quality, reducing or eliminating leaks and bypass that may have occurred with sewn seams. Mesh



- PEM-200-P2-POL 200 Micron\$7.95 each
 PEM-400-P2-POL 400 Micron\$7.95 each
 PEM-600-P2-POL 600 Micron\$7.95 each

Other Useful Supplies For Oil & Gas Are Available in Other Sections of This Catalog:

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FRAC TANK SUPPLIES

DOMESTIC STANDARD FRAC TANK COUPLINGS



HH-2



HH-1SW



HH-4SW

- HH-2 8" Domestic Wing Nut.....\$160.00 each
- HH-1SW 8" Domestic Male Sub x Weld-On.....\$160.00 each
- HH-4SW 8" Domestic Female Sub x Weld-On\$179.95 each

SPLITTER VALVE AND "TEES"



SPLVLV



41212

- SPLVLV 8" Splitter Valve.....\$850.00 each
- 41212 8" Tee\$975.00 each

FRAC TANK WRENCH



- FTW..... \$64.95 each

8" Frac Tank Hoses available with threaded ends in various lengths. Call for current price.

SUMNER HEAVY DUTY JACK

- 2,500 lb (1,135 Kg) capacity
- 3,500 lb (1,580 kg) capacity for Heavy Duty Plus Jack
- Strut tension plate for superior lateral support
- 1" (2.5 cm) square tube base construction
- Built for heavy use & abuse
- Quick-action lock washer for fast height positioning
- Patented Fall Guard™ feature allows 1" (25 mm) safety zone around lock washer
- 1-1/2" (38 mm) Acme fine adjustment thread – the largest in the industry
- Large, convenient adjustment handle
- Set screw for double margin of safety
- Set screw can lock jack head to stand for transportation – no loose pieces
- Jack independently load tested for quality assurance
- CE rated
- Backed by over forty years of jack stand manufacturing experience



- 780375 w/VEE Head..... \$89.95 each
- 780376 w/Roller Head..... \$136.95 each
- VEE Head Assembly**
- 780305 \$45.95 each

SUMNER FOLD-A-JACK

- 2,500 lb (1,135 kg) capacity
- Folds up for storage ease
- Carrying handle for ease of transporting
- 1" (2.5 cm) square tube base construction
- Quick-action lock washer for quick height positioning
- Patented Fall Guard™ feature allows 1" (25 mm) safety zone around lockwasher
- 1-1/2" (38 mm) Acme fine adjustment thread – the largest in the industry
- Large, convenient adjustment handle
- Set screw for double margin of safety
- Set screw can lock jack head to stand for secure transportation
- Jack independently load tested for quality assurance
- CE rated
- Backed by over forty years of jack stand manufacturing experience



- 781300 \$99.95 each

SUMNER PRO JACK

- Formed steel legs
- 2,000 lb (900 kg) capacity
- Priced for all budgets
- Strut tension plate for superior lateral support
- Quick-action lock washer for fast height positioning
- Patented Fall Guard™ feature allows 1" (2.5 cm) safety zone around lock washer
- 1-1/2" (38 mm) Acme fine adjustment thread – the largest in the industry
- Large, convenient adjustment handle
- Set screw for double margin of safety
- Set screw can lock jack head to stand for secure transportation
- Jack independently load tested for quality assurance
- CE rated
- Backed by over forty years of jack stand manufacturing experience



- 780471 \$98.95 each

GAS DETECTORS



GAS CLIP TECHNOLOGIES SINGLE GAS MONITORS

With unmatched sensor reliability and adjustable alarm set points, the Gas Clip H2S monitor features real-time gas reading capability and a 50% larger battery capacity. Unit tests full function self-test on activation and every 20 hours; continuous automatic battery and sensor tests. Optional two-way IR comms for event downloads, bump tests & updates.

Designed and tested to provide worker safety in the harshest working conditions. Each and every portable gas detector is tested 100% of the time, not just a random sample of units. 2 Year Monitor

- Unmatched sensor reliability for H2S, CO, & O2
- Adjustable alarm set points and real-time gas reading capability
- 50% larger battery capacity
- ppm resolution for H2S sensor and display
- Two-way IR communication for event downloads, bump tests & updates
- Programmable unit identification
- Calibration optional
- "Bump check" confirmation/identification



SGC-H

SGC-PLUS

SGC-C	CO Gas Monitor.....	\$159.95 each
SGC-H	H2S Gas Monitor, Yellow.....	\$159.95 each
SGC-PLUS	H2S Gas Monitor w/Hibernate Feature.....	\$185.95 each

SGC DOCKING STATION

All in one docking station designed for maximum testing efficiency and portability. Housed in a rugged Pelican® case with robust USB memory, this station will be able to accurately test and record all monitor data while reducing the testing time and gas usage.

- Test 4 units at one time, up to 12 instruments in a minute
- Easy 1 button operation
- Robust rechargeable internal battery, hundreds of tests before recharging
- Internal gas cylinder regulator and pressure gauge
- 2 GB USB memory for bump test and event log storage
- Optional unit configuration and firmware updates via GCT Manager Software
- Rugged Pelican® case
- No computer required to operate



SGC-DOCK	\$1,895.95 each
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GAS CLIP TECHNOLOGIES MULTI-GAS CLIP

Battery life for months instead of hours. Tests for the presence of combustible gases, H2S, CO, and O2. Multi Gas Clip (MGC) has the longest battery life of any portable gas detector. The MGC can go a full 2 months without a charge, even without ever having to be turned off. Shut down the unit nightly and the battery can last up to 4 months. Clip-On. The MGC also eliminates the need to frequently calibrate portable gas detectors. It can go 6 months without being calibrated.

- 2 month battery life (continuous run time)
- 6 month calibration cycle
- Will work in inert environments, no need for oxygen
- Simple to use
- Bump/Calibration reminders
- Docking station compatible
- Programmable user ID



MGC-PUMP-IR



MGC-DOCK

MGC	Orange 4 Gas Monitor Only, Infrared Sensor.....	\$699.95 each
MGC-P	Orange 4 Gas Monitor Only, with Pellistor Sensor, 25 Hour Run Time	\$575.95 each
MGC-PUMP-IR	Orange 4 Gas Monitor w/Pump	\$1,095.00 each
MGC-CALCAP	Calibration Cap.....	\$10.00 each
MGC-CS	Confined Space Kit w/58 L Quad Gas	\$615.00 each
MGC-V-CHARGER1	12V Vehicle Charger.....	\$29.95 each
MGC-DOCK	Docking Station	\$1,995.00 each

**Calibration Gas and the full line of accessories are available. Call for details and pricing.*

GAS DETECTORS

BW TECHNOLOGIES H2S MONITORS

Designed with durability and comfort in mind, the GasAlert Extreme reliably monitors for any single gas hazard within its range of available toxic gas models. With easy on/off operation, this single gas detector offers extended longevity with a two year field replaceable battery and sensor. Calibration is a simple automatic procedure and is compatible with BW Technologies by Honeywell's MicroDock II automatic test and calibration system. A wide range of user options, multi-language display and datalogging functionality make the GasAlert Extreme an ideal solution for many applications.



- Direct, real-time readings on large LCD
- Operates through consecutive shifts – exceptional battery run-time
- Secure and accurate history with datalogging option
- Full function self-test of sensor, battery status, circuit integrity and audible/visual alarms on start up
- Bright wide-angled visual alarm bars
- Built-in concussion-proof boot
- Water-resistant

GA24XTH \$159.95 each

BW TECHNOLOGIES GASALERT MICROCLIP XT

Detects Hydrogen Sulphide, Carbon Monoxide, Oxygen and combustibles (%LEL). Designed for use in tough environments. IP 66/67 rating and built-in concussion-proof boot. Loud audible, visual and vibrational alarms for use in high noise locations. Easy use with minimal training. Simple one button operation, intuitive interface and continuous LCD showing real-time gas concentrations. Lithium polymer battery provides long run time (10 hours), whilst benchmark sensors ensure accurate, high-performance detection of flammable, toxic and Oxygen gas hazards. Works with BW Technologies by Honeywell's MicroDock II automatic test and calibration system. Device offers a variety of user defined options including; Auto zero on start up, Oxygen auto calibration on start up, force bump test when overdue and the choice of 5 languages



MC2-XWHM-Y-NA Yellow 4 Gas Monitor \$699.95 each

MSA ALTAIR® 4X MULTIGAS DETECTOR

The ALTAIR® 4X Multigas Detector surpasses industry standards in several crucial areas. Its four-year sensor life is 60% longer than the industry average, while its 24-hour run time exceeds the industry average by 71%. This versatile portable detector is a perfect match for industries ranging from fire fighting to welding, and its digital sensor output makes it less likely to suffer from RF interference. The unit features exclusive MotionAlert™, which lets others know if the user has become immobile, and InstantAlert™, a manual alarm that alerts others of potentially dangerous situations. This rugged unit is designed to withstand a drop of up to 20 feet and uses less than half as much calibration gas as the industry average.



KIT Description: Single-case Solution for calibrating MSA gas sensors and gas detectors. Lightweight, rugged, and easy to transport and store.

- Dependable multigas detector tests for LEL, oxygen, carbon monoxide and hydrogen sulfide
- Economical construction saves users more than 50% on calibration gas, replacement sensors and maintenance
- Four-year sensor life means detector lasts 60% longer than the industry average
- Unit uses 50% less calibration gas per minute than the average detectors within the industry
- Two-tox CO/H2S sensor removes practically all cross-channel interference
- Large buttons and high-contrast screen make operation easy in low-light conditions
- Ribbed rubber housing provides secure grip and high durability
- Unit features 95+ db alarm and ultra-bright LEDs
- Exclusive end-of-sensor warning cautions user when unit's sensor needs to be changed
- MotionAlert option tells others that user has become immobile
- InstantAlert provides manual alarm to alert others of a dangerous situation

ALTAIR-4X - 4X Monitor Only \$940.00 each
ALTAIR-4X-KIT - 4X Monitor w/Kit (CO, O2, H2S, LEL Calibration Kit) \$2,350.00 each
10048280 - Calibration Check Gas \$285.00 each

MSA 25' CLEAR TUBING

• For monitor testing
10030325 \$12.00 each

MSA REGULATOR FOR TEST GAS BOTTLE

• For ALTAIR Maintenance Free Single-Gas Detector
467895 \$195.00 each

GAS DETECTION & TESTING SUPPLIES

RAE COLORIMETRIC GAS DETECTION TUBES AND PUMP

Perform quick, on-the-spot measurement of specific toxic and combustible substances with this traditional, low-cost solution. The hand pump features a spring-less piston to accurately draw 50 and 100cc samples. The single-use colorimetric gas detection tubes change color in direct correlation to the concentration of gas present. No calibration is required, and the ergonomic pump can be used even with multiple layers of gloves. 10 tubes per pack.



Part Number	Parameter	Std Range of Measurement	Price/Pack
RAE-10-103-06	Hydrogen Sulfide	1-7 ppmv	\$39.75
RAE-10-103-10	Hydrogen Sulfide	2.5-60 ppmv	\$39.75
RAE-10-103-15	Hydrogen Sulfide	10-120 ppmv	\$39.75
RAE-10-103-18	Hydrogen Sulfide	25-250 ppmv	\$39.75
RAE-10-103-20	Hydrogen Sulfide	50-800 ppmv	\$39.75
RAE-10-103-30	Hydrogen Sulfide	100-2000 ppmv	\$39.75
RAE-10-103-40	Hydrogen Sulfide	0.1-2%	\$39.75
RAE-10-103-50	Hydrogen Sulfide	2-40%	\$39.75
RAE-10-104-50	Carbon Dioxide	1-20%	\$39.75
*RAE-10-109-20	Nitrogen Oxide	1-50 ppmv	\$39.75
RAE-10-117-10	Nitrogen Dioxide	0.5-30 ppmv	\$39.75
RAE-10-120-10	Water Vapor	2-10 lbs/MMCF	\$39.75
RAE-10-120-20	Water Vapor	6-40 lbs/MMCF	\$39.75
RAE-010-0001-000	Sniffer Set, Hand Pump		\$225.00

*Contains 5 Colorimetric Tubes and 5 Pre-Tubes for a total of 5 Measurements.

Full line of RAE Tubes available. Call for details on any not listed here

PH TEST STRIPS

9590-0001 \$29.95 each
0-14 ColorpHast – 100 Strips per Poly Box

KOLOR KUT GASOLINE GAUGING AND WATER FINDING PASTE

Kolor Kut's pink paste turns to red upon contact with gasoline, jet fuels, crude oil, kerosene, diesel and some hydrocarbon-based solvents.



KK01 - 3 oz Tube for Water

1-11 \$4.50 each
12+ \$4.15 each

KK02 - 2.25 oz Jar for Gasoline

1-11 \$4.85 each
12+ \$4.50 each

GASOILA WATER FINDING PASTE

- Nominal blade thickness .019"
- Extra large winding drum provides rapid line recovery
- Special hook ring with ribbed face at zero
- Leather thong is provided to use through eye at rear



WT25 \$4.95 each
12+ \$3.85 each

HYDROMETERS

A hydrometer is an instrument used to measure the specific gravity (or relative density) of liquids; that is, the ratio of the density of the liquid to the density of the water. Made of glass, these hydrometers consist of a cylindrical stem and a weighted bulb to make it float upright.



11522A



1160425B



085725E

11522A 7" Hydrometer – Scale 1.000 to 1.250 \$69.95 each
1160425B Hydrometer Carry Case \$99.95 each
085725E Graduated Cylinder – Nalgene 250 ml \$59.95 each

*All types of Hydrometers Available. Call for more information.

LUFKIN ATLAS® CHROME CLAD® / NUBIAN® DOUBLE DUTY OIL GAUGING TAPES

- Chrome Clad® for dark (heavy oils)
- Nubian® for light (clear oils)
- Made of heavy gauge 1/2" (13mm x .012" (0.33mm) steel
- Black markings bonded to steel recessed beneath multiple layers of nickel
- Chrome electroplating provides greater resistance to wear and corrosion
- All tapes read right to left
- Heavy-duty frame designed for years of rugged use
- All frames include a grounding strap
- Two arm reels for short lengths
- Snap-swivel hook on front end of tape for a plumb bob (sold separately)
- Plumb bob must be ordered separately: The last part of the part number indicates the style of the plumb bob the tape is made to accept.



TAPES

Part Number	Size	Graduations	Price
CN1290SF590	1/2" x 25'	Instantaneous feet and inches to 1/8ths	\$117.95
CN1293SF/590	1/2" x 50'	Instantaneous feet and inches to 1/8ths	\$132.95
CN1294SF590	1/2" x 66'	Instantaneous feet and inches to 1/8ths	\$165.95

**Other Atlas Chrome Clad® / Nubian® Double Duty Tapes Available.*

REFILLS

Part Number	Size	Fits Tape	Price
OCN1290SF590	1/2" x 25'	CN1290SF590	\$57.25
OCN1293SF/590	1/2" x 50'	CN1293SF/590	\$73.95
OCN1294SF590	1/2" x 66'	CN1294SF590	\$102.95

**Other Atlas Chrome Clad® / Nubian® Double Duty Refills Available.*

LUFKIN ATLAS® NUBIAN® OIL GAUGING TAPES

- Ideal for gauging clear oils
- Etched background
- Blade protected by flowed-on epoxy coating
- Raised bright steel markings are clearly legible
- All tapes read right to left
- Heavy-duty frame designed for years of rugged use
- All frames include a grounding strap
- Plumb bob must be ordered separately



Part Number	Size	Graduations	Price
1290SF590	1/2" x 25'	Instantaneous feet and inches to 1/8ths	\$125.75
O1290SF590	1/2" x 25'	Refill for 1290SF590	\$65.95

LUFKIN DERRICK CHROME CLAD® TAPES

- Nominal blade thickness .019"
- Extra large winding drum provides rapid line recovery
- Special hook ring with ribbed face at zero
- Leather thong is provided to use through eye at rear



C2276D	1/4" x 100' Chrome Clad® blade, E1 Blade Style	\$247.50 each
C2276ME	1/4" (6mm) x 100' (30m) Chrome Clad® blade, E2 Blade Style	\$312.95 each
OC2276D	1/4" x 100' Refill Blade for C2276D.....	\$213.95 each
OC2276ME	1/4" (6mm) x 100' (30m) Refill Blade for C2276ME.....	\$226.95 each

LUFKIN PLUMB BOBS

20 oz, Solid Brass -- For use in heavy oils



590	Inage bob; cylindrical shape, 1" x 6-3/4", tapered point tip	\$34.95 each
590G	Graduated in inches to 1/8ths, blunt point.....	\$45.95 each
590GM	Graduated millimeters with centimeters numbered, tapered point tip.....	\$49.95 each

** Metric and English Available*

U.S. TAPE GAUGING SUPPLIES

U.S. Tape Oil Gauging and Derrick tapes are strong and durable with a corrosion resistant frame. The frames feature a safety yellow plastic handle and longer crank arm to speed retraction (oil gauges come with grounding wire and clip).

Oil Gauging tape blades come in different blade styles and lengths for different needs and refills are compatible with competitors frames. The 3 rivet end assembly makes them durable and dependable. Derrick, Plated, Double Duty, and Black Etched blades have an abrasion and chemical resistant coating.

U.S. Tape Oil Gauging and Derrick tapes meet or exceed the requirements of the American Petroleum Institute. NIST certification is available.

U.S. TAPE DOUBLE DUTY GAUGING TAPES

Double Duty Gauging tapes have a chrome plated blade with a black strip along the bottom edge making it useful for working with both dark and light oils/liquids. The coating on the blade helps reduce the wear caused by harsh chemicals and tough working conditions. Complete tapes under 75' are housed in the small frame. Made in USA.



58814	1/2" X 25' Tape	\$99.95 each
58914	1/2" x 25' Refill.....	\$54.95 each
58820	1/2" x 50' Tape	\$119.95 each
58920	1/2" x 50' Refill.....	\$69.95 each

U.S. TAPE PLUMB BOBS

58899	20 oz Brass, English.....	\$33.25 each
58891	20 oz Brass, Metric	\$46.95 each



U.S. TAPE LINE WIPERS

Cleans tape as you roll it up.
(Compares to Little Joe)



58877	Line Wiper.....	\$14.95 each
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U.S. TAPE PLATED GAUGING TAPES

Plated Gauging tapes are ideal for use in dark oils or liquids. The coating on the blade makes them corrosion and wear resistant for use in harsh environments. Complete tapes under 75' are housed in the small frame. Made in USA.



58813	1/2" X 25' Tape	\$112.25 each
58913	1/2" x 25' Refill.....	\$59.95 each
58819	1/2" x 50' Tape	\$132.50 each
58919	1/2" x 50' Refill.....	\$82.50 each

U.S. TAPE DERRICK TAPE

Derrick Tapes feature a plastic yellow safety handle, long crank arm to speed retraction, and corrosion resistant frame. Made in USA



59625	1/4" x 100' Tape	\$239.95 each
59725	1/4" X 100' Refill	\$189.95 each

**Only the most popular selections are listed.
Full line of U.S. Tape products available.
Call for details and pricing.*

LITTLE JOE® GAUGE LINE WIPER

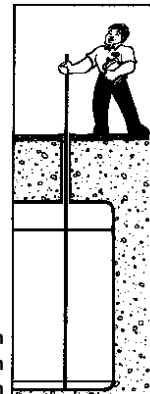
"Little Joe"® Line Wipers have proven the best solution for avoiding problems and keeping your oil gauging tapes in great shape. Built with rugged die cast aluminum alloy, "Little Joe"® Line Wipers have been serving the oil level gauging industry since 1955.



LITTLE JOE	\$16.95 each
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WOODEN TANK GAGE STICKS

GS - 6 = 6'	\$13.95 each
GS - 8 = 8'	\$13.95 each
GS - 14 = 14'	\$34.50 each





PIPELINE COATINGS

3M SCOTCHKOTE 323

3M Scotchkote Liquid Epoxy Coatings 323 is a two-part system designed to protect steel pipe and other metal surfaces from the harsh affects of corrosion. Available in Quart and Gallon Kits.

3M17574 - Quart Kit..... Call for pricing

DENSO PROTAL 7200

Denso Protal 7200 is a fast cure, high build pipeline coating. It is VOC free, 100% solids epoxy coating specially formulated to compliment FBE coated pipe. It is a high build liquid coating that is brush or spray applied in one coat in the field or shop. It cures very fast to allow quick handling and backfill times. Used for protection of girth welds, tie-ins, welds for boring applications, station piping, fittings, fabrications and rehabilitation of existing pipelines.



Denso-7200 Denso Coating Call for pricing
Denso-AP Applicator Pads Call for pricing
Denso-Hardner Hardener for Denso Protal..... Call for pricing

RD-6 COATING SYSTEM (POLYGUARD)

Polyguard RD-6 Coating System consists of a geotextile backed protective pipeline coating applied over a companion liquid adhesive and a slip-plane outerwrap. Corrosion protection comes from a rubberized bitumen coating. Bonded to the outside surface of this coating is a strong, tightly woven, polypropylene geotextile, which provides non-shielding properties plus exceptional strength. It is suitable for use with pipeline external surface temperatures not exceeding 145° (63° C). RD-6 has been used since 1988, with extraordinary results for effective corrosion protection all through the intervening years.



RD-6 4" x 50' Roll Call for pricing
RD-6-6 6" x 50' Roll..... Call for pricing

OCR MODIFIED LEAD-FREE THREAD COMPOUND

306 OCR Modified is a superior thread compound for casing, tubing, and line pipe that meets the performance requirements of API RP 5A3/ISO 13678. 306 OCR Modified was researched and field-tested long before others were on the drawing board. Having the same appearance, consistency and sealing properties of API thread compounds, 306 OCR Modified is used with excellent results during hydrostatic testing, and in downhole service. It contains corrosion and H2S inhibitors to eliminate thread corrosion and pitting. The component materials used in the manufacture of 306 OCR Modified meet or exceed performance objectives stated for API thread compounds.

306 18 lbs.....\$67.95 each



3M SCOTCHKOTE HOT MELT PATCH COMPOUND 226P

3M Scotchkote Hot Melt Patch Compound 226P is a heat bondable polymeric coating in stick form designed for plant and field repair of Scotchkote Fusion Bonded Epoxy coatings. Scotchkote Hot Melt Patch Compound 226P is ideal for repairing minor pinholes and abrasions.



3M226P - 5 lb Box.....\$194.50 each

3M SCOTCHRAP 50

All-Weather Corrosion Protection Tape This 10 mil polyvinyl chloride (PVC) tape with a high-tach adhesive provides a corrosion and impact resistant seal for all-weather protection of metal piping systems above and below ground. Scotchrap has excellent UV resistance and a temperature rating of 176° (80° C). 3M Scotchrap 50 tape performs over a wide temperature range and is resistant to impact, abrasion and punctures.



***NOTE 3M Scotchrap Primer should be used with all corrosion protection tapes.**

***Primers available for above coatings and epoxies.**

3M00013 2" x 100' Unprinted 10/cs\$16.95 per roll
3M10646 4" x 100' Unprinted 12/cs\$34.95 per roll

POWERCRETE J

Powercrete J is a two-part epoxy polymer coating designed for use on bare steel pipeline girth welds, as well as the rehabilitation of existing pipelines. Due to its excellent corrosion, mechanical, and abrasion properties, Powercrete J is the corrosion coating of choice for pipelines operating up to 130° (55° C).



PowercreteJ-2 2 lb Kit Call for pricing
PowercreteJ-4 4 lb Kit Call for pricing
PowercreteJ-4-BPART 4 lb Part B Only Call for pricing

PIPELINE CONSTRUCTION SUPPLIES

IRWIN CAST ALUMINUM PIPE WRENCHES

- Heavy-duty cast aluminum housing is 40% lighter than cast iron and easier to maneuver
- I-Beam handle and wide design provides better weight distribution
- Drop-forged jaw is heat-treated to resist distortion or breakage
- Easy-spin adjusting nut is heat-treated for durability
- Hammer head design provides a flat surface for hammering
- Features a Lifetime Guarantee



2074112 12"	\$50.95 each
2074114 14"	\$52.50 each
2074118 18"	\$66.50 each
2074124 24"	\$103.25 each
2074136 36"	\$167.25 each

IRWIN CAST IRON PIPE WRENCHES

- Constructed from the highest grade cast iron, forged and heat treated to ensure maximum durability.
- Unique hammer head design provides a flat surface for hammering
- Easy-spin adjusting nut is heat-treated for durability
- Wide I-beam handle design provides better weight distribution
- Drop-forged jaw is heat-treated to resist distortion or breakage
- Hardened teeth provide tremendous bite
- Housing constructed of heavy-duty cast iron



274105 8"	\$21.95 each
274101 10"	\$22.50 each
274106 12"	\$28.75 each
274102 14"	\$29.50 each
274103 18"	\$37.00 each
274104 24"	\$53.25 each
274107 36"	\$109.50 each
274108 48"	\$164.25 each

SEYMOUR FENCE PLIERS

Multi-purpose fence pliers are 10-1/2" alloy steel and feature a forged steel handle.



2T-1900	\$16.75 each
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CRESCENT HEAVY-DUTY FENCE TOOL PLIERS

- Should not be used to hammer hardened materials
- 2 staple grips in nose
- Corrugated hammer head with heavy prong to easily reach and pull rusty staples
- Special opening in head allows both wire and staple to be gripped
- 2 electronically induction hardened durable wire cutters
- Made of forged alloy tool steel
- Polished head
- Stretches wire tight before fastening
- 10-7/16" Length



193610CVSMN	\$27.25 each
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RINGERS ROUGHNECK GLOVES

- TPR impact protection on top of hand and full length of fingers
- High Visibility for Increased Safety
- CE Rated 4232, Level 2 Cut and Puncture Resistance
- TefLoc Grip System on Palm & Fingers Resists Oil & Enhances Grip
- Extended Neoprene Wrist Closure with SuperCuff Technology



276-08 Small	\$34.95 pair
276-09 Medium.....	\$34.95 pair
276-10 Large.....	\$34.95 pair
276-11 X-Large.....	\$34.95 pair
276-12 XX-Large	\$34.95 pair

PIPE STANDS

- Medium Pipe Stand, to support pipe lengths with a diameter of 4" - 12"
- Measures 9" high, 3/8" thick
- Polyethylene
- Crush tested at the Alberta Research Council



PS412	\$69.95 each
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RIDGID TOOLS



MODEL 535 THREADING MACHINE

The Model 535 maintains the ruggedness of the industry workhorse, while adding the features that makes the threading operation more productive. A large chip tray and oil reservoir make the 535 ideal for longer uninterrupted threading. The 535 features a high clearance carriage, making the threading operation easier, and a generous top cover area that is ideal for keeping tools and work related materials handy. The 535 is designed around maximum uptime with the upgrades that matter most to the pipe working professional. Users also benefit from the part commonality between the 535, the 535A Automatic and other RIDGID equipment.



Features:

- Large 1.75 gallon oil tray.
- 100% larger chip tray.
- Generous top cover for keeping tools and fittings handy.
- High clearance carriage.
- Speed chuck with rocker-action jaws centers and grips work piece instantly.
- Can be used with geared threaders Models 141 and 161.
- Uses Model 816/817 semiautomatic, Model 815A self-opening or Model 811A quick-opening die heads.
- Length gauge for quick, accurate cut-off.
- Approved by CSA to CSA and UL standards.

Specifications:

- Pipe Capacity: 1/8"-2" (3mm-50mm) 2 1/2"-4" (62mm-100mm), 4"-6" (100mm-150mm) with 141 and 161 geared threaders.
- Bolt Capacity: 1/4"-2" (6mm-50mm).
- Motor: 1/2 HP, single-phase, 115V, 50/60 Hz, 15 amp reversible universal motor. (36 RPM)
- Switches: FOR/OFF/REV and Integral safety foot switch.
- Chuck: Speed Chuck™ with replaceable rocker-action jaw inserts (3).
- Rear Centering Device: Cam-action, turns with chuck.
- Cutters: self-centering, full-floating.
- Spindle Speed: 36 RPM standard (no load), 54 RPM model also available (Call for details).
- Reamer: 5-flute cone, RH, 1/8"-2" (3mm-50mm).
- Oil Pump: Self-priming gerotor oil pump.
- RH/LH combination reamer available.

Standard Equipment:

- One No. 811A universal, quick-opening die head.
- One set 1/2"-3/4" universal alloy dies.
- One set 1"-2" universal alloy dies.
- One No. 820 cutter.
- One No. 341 reamer.
- One gallon of premium extreme performance thread cutting oil.
- Four hex wrenches.
- One spare E-1032 cutter wheel.

RID93287 1/2"-2" NPT w/850 Cutter, 36 RPM, 115vCall For Current Pricing

RID94432 Top Cover AssemblyCall For Current Pricing

**Complete line of RIDGID tools available:
Hand Threaders, Dies & Die Heads, Cutter Wheels, etc.
See Tools Section for Additional Products**

***Please contact one of our Sales Professionals for current pricing.**

RIDGID PIPE WRENCHES

RIDGID Pipe Wrenches are world-renowned for their unsurpassed toughness and serviceability. The original heavy-duty pipe wrench has earned the confidence of pipe professionals for over 80 years because it does the job right the first time. RIDGID Pipe Wrenches are also available in a wide variety of purpose-built configurations, in cast-iron and aluminum for lighter weight.

CAST-IRON PIPE WRENCHES

RID31010	10"	.....	\$28.95 each
RID31015	12"	.....	\$33.25 each
RID31020	14"	.....	\$36.95 each
RID31025	18"	.....	\$53.75 each
RID31030	24"	.....	\$84.95 each
RID31035	36"	.....	\$182.50 each
RID31040	48"	.....	\$280.50 each
RID31045	60"	.....	\$416.75 each



CAST-ALUMINUM PIPE WRENCHES

RID31090	10"	.....	\$44.75 each
RID47057	12"	.....	\$53.95 each
RID31095	14"	.....	\$59.95 each
RID31100	18"	.....	\$75.50 each
RID31105	24"	.....	\$120.50 each
RID31110	36"	.....	\$215.25 each
RID31115	48"	.....	\$421.95 each



HEAVY-DUTY PIPE CUTTERS

- Swirl flame provides a hotter, more efficient fast, clean pipe cutting by hand or power.
- Extra-long shank protects adjustment threads, while an extra-large handle is provided for quick, easy adjustment.
- Can be converted to 3-wheel cutter by replacing rollers with cutter wheel, or the 2A and 4S can be ordered as 3-wheel model for use in areas where a complete turn is not possible.
- Second handle on 3-S, 4-S and 6-S makes two-man leverage possible on large pipe sizes.

RID32820 - 2A HD	1/8" - 2"	.....	\$195.95 each
RID32830 - 3S HD	1" - 3"	.....	\$338.50 each
RID32840 - 4S HD	2" - 4"	.....	\$509.50 each
RID32850 - 6S HD	4" - 6"	.....	\$717.25 each



MODEL 700 HAND POWER DRIVE

- Swirl flame provides a hotter, more efficient fast, clean pipe cutting by hand or power.
- Extra-long shank protects adjustment threads, while an extra-large handle is provided for quick, easy adjustment.
- Can be converted to 3-wheel cutter by replacing rollers with cutter wheel, or the 2A and 4S can be ordered as 3-wheel model for use in areas where a complete turn is not possible.
- Second handle on 3-S, 4-S and 6-S makes two-man leverage possible on large pipe sizes.

RID41935	1/8" 2" Capacity - 115v	\$1,975.00 each
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PRESSURE GAUGES

MARSH BELLOFRAM GAUGES

For more than 140 years, the Marsh Bellofram name has been synonymous with the design, manufacture and supply of the highest quality pressure gauges and thermometers, with a portfolio that has developed into the most comprehensive gauge line in the world. Marsh Instruments pressure gauges are used in countless applications where accuracy, dependability and durability are essential. Whether a standard or a specially designed pressure gauge, Marsh Bellofram stands ready to provide a highly rugged precision instrument, adaptable to wherever pressure or temperature measurements are required.

63MM Severe Service Gauges

Marsh Bellofram 63 mm liquid filled severe service gauges are expressly designed to provide reliable pressure measurements in harsh and demanding industrial and OEM environments, particularly where pulsation and vibration are a concern. High pressure ranges offer a Helical Bourdon Tube for longer gauge life and increased durability.

The gauges are filled with glycerin to offer a dampening effect, while reducing pointer flutter, as well as offering significant shock reduction to instrument-grade components. They also lubricate internal components, effectively reducing risk of corrosion. These all stainless steel liquid-filled gauges feature a ventable top fill plug for pressure relief and ease of venting after installation. They can be mounted on either a horizontal or vertical plane. Units are hermetically sealed for reliable operation in harsh or dirty environments, while reducing the chance of leaks and ease of refilling in the field.



- Glycerin filled
- Three standard mounting options: LM, CB and U-Clamp
- Copper alloy internal components
- Available pressure ranges to 10,000 psi (Call for prices and information)
- Helical Bourdon Tube
- Hermetically sealed

<i>Part Number</i>	<i>Connection</i>	<i>Range</i>	<i>Price</i>
J7612P	1/4 NPT	30" Hg VAC to 30 psi	\$21.95
J7648P	1/4 NPT	0 to 100 psi	\$19.95
J7658P	1/4 NPT	0 to 300 psi	\$19.95

General Service Gauges

Marsh Bellofram general service steel case gauges are cost-effective, general purpose instruments, designed for reliable pressure measurements and suitable for use with water, oil, air, gas or other noncorrosive media. Note: The gauges are available in five different dial sizes, and offer highly repeatable pressure measurements from vacuum/compound through 5,000 psi – Call for more information on gauges not listed here.



<i>Part Number</i>	<i>Size</i>	<i>Thread Location</i>	<i>Scale Standard</i>	<i>Connection</i>	<i>Range</i>	<i>Price</i>
J5046	2-1/2"	Center Back	psi/kPa	1/8 NPT	0 to 60 psi	\$13.95
J5048	2-1/2"	Center Back	psi/kPa	1/8 NPT	0 to 100 psi	\$13.95

VACUUM TRUCK SUPPLIES

ASCOT TIRE CAGE – SAFETY INFLATION CAGE



A safety inflation cage is mandatory in any shop for tubeless



and multi-piece rims. Constructed of heavy gauge steel welded to a steel base. Guards against blown lock rings, exploding rims and ruptured tire explosions when used properly. These cages meet OSHA safety requirements. (29-CFR Part 1910-177)

TC-4 Tire Cage, 4-Bar – Inflation Cage\$650.00 each

TUFFLITE RETRACT-A-CLAMP® GROUNDING CABLE

The Retract-A-Clamp® coiled static grounding and bonding assemblies provide a cost effective and easy-to-use system. The assembly incorporates 20 feet of corrosion resistant, orange vinyl coated coiled cable and our Model REB2960 clamp and cable lug. Eliminates tangled bonding and grounding assemblies that lie on the floor and present a tripping hazard. Coiled assemblies neatly and compactly retract out of the way when not in use. The coiled plated steel cable is bright orange PVC coated for high visibility.



7610K68 20' Cable with Clamp \$68.75 each
 REB2960 Replacement Clamp..... \$26.50 each

GATES STATIC STRAP



- Discharges potentially dangerous static electricity from equipment when properly grounded.
- Specially compounded rubber conducts static electricity.
- Resists weathering, abrasion and tearing.



90331 \$12.95 each

COXREELS® STATIC DISCHARGE CABLE REEL

“Static Discharge” spring driven cable reels are built heavy-duty and designed for long-lasting performance. They are specifically designed to be used in combustible environments where the static buildup could ignite a spark and subsequent explosion. Static discharge or grounding reels are commonly paired with fuel hose reels.



- 3/32” Dia. 7 Strand x 7 Wire Galvanized Steel Cable
- High Visibility Orange Vinyl Cable Cover
- Solid Rubber Cable Stop
- Includes Cable, Stop & 50 Amp Grounding Clamp
- Non-Sparking Locking Ratchet Secures Cable At Desired Length
- Non-Corrosive Stainless Steel Spring, Brass, Pawl & Zinc Plated Ratchet
- Multi-Position Arm Guide

SD-35 35' Static Discharge Cable Reel\$227.95 each

**All types of COXREELS available.*

PVC FITTINGS – FOR SIGHT GLASS

Part Number	Size/Style	Price
130-10	1-1/4" Compression Fitting	\$7.95
130-15	1-1/2" Compression Fitting	\$8.25
130-20	2" Compression Fitting	\$8.50
NIPPLE-10-CLEAR	3" x 10" Beveled, Threaded Nipple	\$69.00
NIPPLE-4X6-CLEAR	4" x 6" Beveled, Threaded Nipple	\$89.00
4PVCPLUG	PVC Threaded Plug – Schedule 40	\$3.95
PVC4-80TH	PVC Cleaner – 1/2 Pint	\$19.95
PVC-GLUE	PVC Glue –1/2 Pint	\$6.75

CLEAR PVC SIGHT GLASS

Part Number	Size/Style	Price
PVC401.25-FT	1-1/4" ID – Schedule 40 Clear PVC Plastic Tubing	\$6.50 per foot
PVC401.5-FT	1-1/2" ID – Schedule 40 Clear PVC Plastic Tubing	\$7.75 per foot
PVC402-FT	2" ID – Schedule 40 Clear PVC Plastic Tubing	\$10.25 per foot
PVC403-FT	3" ID – Schedule 40 Clear PVC Plastic Tubing	\$27.95 per foot

VACUUM TRUCK SUPPLIES

CHANDLER SHUTOFF AND MANWAY PARTS

Part Number	Description	Price
1010-0100	Standard Wing Nut Assembly – 5/8	\$22.95
1010-0001	5/8" Zinc Plated Wing Nut	\$8.95
1010-0002	Greaseable Wing Nut Assembly	\$24.95
1010-0003	Zinc Recessed Washer	\$2.50
1021-0000B	5/8" x 5" Zinc Plated Eyebolt	\$8.95
1021-0000P	Zinc Plated Clevis Pin	\$2.25
1021-0000R	Zinc Plated Roll Pin	\$0.45
1076-0000	6" Stainless Steel Float Ball	\$44.95
1089-0001	4" Rubber Seat (fits 4.5" OD Pipe)	\$46.25
1090-0000	3.5" Clamp-on Rubber Seat (fits 3.5" OD Pipe)	\$27.95
1090-0001	Clamp for 1090-0000 Seat	\$3.95
1010-7000	20" Manway w/6" neck	\$280.50

**Manways and Gasket Material for Manways Available. Call for details.*



CHANDLER VALVES

Part Number	Description	Price
1049-0000MZ	1-1/2" Brass Pressure Valve	\$56.95
1050-0000MZ	2" Brass Pressure Valve	\$61.95
1035-0000MZ	1-1/2" Brass Vacuum Relief Valve	\$32.75
1041-0000MZ	4" Brass Lever Valve, FM NPT x FM NPT	\$216.50
1060-0000MZ	6" Brass Lever Valve, FM NPT x FM NPT	\$376.50

**RV Series Vacuum Pumps ("Jurop Pumps) Available. Call for more information.*



SWIVEL FOR VACUUM TRUCK SUPPLIES

330XFAL	Swivel Joint – 3" Female x Female.....	\$367.50 each
3RK0BU	Swivel Repair Kit.....	\$24.95 each



RIVER CITY RAINWEAR

CLASSIC 200 SERIES RAINWEAR

The Classic Series Material is the most popular in the Industry. It combines the strength and waterproof qualities of PVC with the durability of a polyester backing. Perfect for construction, utilities, airlines, municipalities and more.

- Most popular garment in the industry
- Excellent value
- Versatile, good for outdoor and indoor use
- .35 mm PVC on polyester broadloom fabric

CLASSIC 49" RAINCOAT 200-COAT-SZ

Yellow 49" coat features a snap front, take up snaps at the wrists, detachable hood with drawstring, and 2 patch pockets.

S, M, L, XL.....	\$13.00 each
2XL.....	\$13.50 each
3XL.....	\$14.50 each
4XL, 5LX, 6X.....	\$17.95 each



CLASSIC RAIN PANTS 200PW-SZ

Yellow pant features an elastic waist, plain front, and take up snaps on the ankles.

M, L, XL.....	\$5.95 each
2XL.....	\$6.25 each
3XL.....	\$6.75 each



CLASSIC 3 PIECE RAINSUIT

Yellow three piece suit features a jacket with detachable hood and bib style pants. The jacket offers a snap front, take up snaps at the wrists, detachable hood with drawstring, and two front patch pockets. Bib pants feature a fly front with snap and take up snaps at the waist and ankles.

S, M, L, XL.....	\$13.00 each
2XL.....	\$13.50 each
3XL.....	\$14.50 each
4XL.....	\$17.95 each
5XL.....	\$18.95 each
6XL.....	\$19.95 each



CLASSIC YELLOW RIDER COAT 260C-SZ

Yellow Rider Coat is 60 inches in length and features a detachable hood, snap front and take up snaps at the wrists. It has a corduroy lined collar for comfort and a cape ventilated back for air flow. Coat splits in the back and can snap around each leg to form chaps.

Small-5XL.....	\$19.95 each
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CARHARTT

CARHARTT SURREY RAIN WEAR

- .50 mm, polyester-backed Green PVC fabric
- Waterproof
- Electronically welded seams – major seams are also sewn
- Snap-detachable hood with adjustable draw-cord closure
- Neoprene inner-sleeve cuffs
- Reinforced elbows



LUMINATOR™ RAINSUITS

For those applications where being seen is of the utmost importance, this 3 pc. suit is made with fluorescent orange material that is .35mm PVC/Polyester in thickness. The jacket features dual bands of lime/silver reflective stripes around the torso and a band around each arm. The bib style pants feature the same lime/silver stripe around each leg. Be bright, be seen in the Luminator™.

- .35 mm PVC on polyester suit, fluorescent orange
- Lime/Silver reflective stripes
- Jacket with detachable hood and bib style pants
- 2 patch pockets on jacket
- Take up snaps on the wrist, ankles, and waist

S, M, L, XL.....	\$45.25 each
2XL.....	\$47.25 each
3XL.....	\$49.25 each
4XL.....	\$51.25 each



2013R-SZ



Surrey Coat



Surrey Bib Overalls

SCHOONER PONCHO 2000

- 40" Length, 100" Circumference
- Snap closures at sides
- Attached hood
- Yellow

One Size Fits All.....	\$8.75 each
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100100-300-SZ Surrey Coat (S - 4XL - Avg Length)	\$59.99 each
100100-300-SZ Surrey Coat (M - 3XL - Tall Length)	\$64.99 each
100101-300-SZ Surrey Bib Overalls (S - 4XL - Avg Length)	\$59.99 each
100101-300-SZ Surrey Bib Overalls (M - 3XL - Tall Length)	\$64.99 each

*Green, Men's Sizes S - 4XL, Avg Length.....\$59.99

*Green, Men's Sizes M - 3XL, Tall Length.....\$64.99

RAINWEAR

KOOL-DRI RAINSUIT

These rainsuits offer serious protection from rain, wind, sudden storms and other unpleasant weather in the great outdoors. The light weight jacket features elastic cuffs, deep flap pockets and an ample hood that may be adjusted with a drawstring. Bib pants are anchored with sturdy, adjustable suspenders. Strong fabric construction resists snagging, tearing and fraying, while allowing for air to circulate for optimum comfort. Olive Drab.



610D-SZ

S, M, L, XL.....\$122.95 each
 2XL, 3XL.....\$132.95 each

MARSHLANDER MARINE RAINSUIT

An ideal basic rainsuit for the active outdoorsman that is made of heavy-duty .30mm stretchable PVC / Polyurethane coated polyester and is 100% waterproof. The unique stretchable material gives the wearer excellent range of motion with a lightweight and non-constrictive feeling. The seams are heat sealed for durability with single needle stitched hems.



MM30-SZ

- Two Piece Suit
- Jacket with tuck away hood
- Elastic waist pants
- Olive Drab

S, M, L, XL, 2XL\$34.95 each
 2XL\$36.95 each
 3XL\$38.95 each

LIMITED FLAMMABILITY RAINWEAR

LUMINATOR™ HIGH VISIBILITY RAINSUIT

The Luminator™ Rainsuit is a fluorescent lime 2 pc suit made up of a jacket with attached hood and elastic waist pants with 2 inch silver reflective stripes. The jacket has a zipper front with storm flap, 2 front patch pockets, and elastic inner cuffs in the sleeves. The pants feature a drawstring elastic waist and have expandable ankle gussets. This garment is treated to be limited flammability.



5182-SZ

- .40mm polyurethane/knitted cotton-polyester blend
- Meets or exceeds ANSI/ISEA Class 3 High Vis Standard
- Limited Flammability

L, XL \$80.00 each
 2XL \$85.00 each
 3XL \$87.50 each
 4XL \$90.00 each

DOMINATOR PREMIUM SERIES RAINWEAR

The Dominator Series is made tough and roomy for those dirty jobs. It is easily identified by its kelly green color and has additional features that help protect you against splash, grit, and grime. This is a complete 2 pc suit that consists of a jacket with attached hood and bib style pants with no fly. The jacket features a zipper front, oversized storm flap, attached hood and inner sleeves to prevent splash back. The bib pants have full elastic suspenders, plain front, take up snaps at the ankles, and an additional 10" x 10" reinforced crotch for durability. This material is treated to be limited flammability.



3882-SZ

- .42mm PVC/Hi-tensil polyester/PVC
- Limited Flammability, ASTM D-6413 Test Method
- Zipper front with double storm flap, no pockets or vents

S, M, L, XL\$32.75 each
 2XL\$34.35 each
 3XL\$35.85 each
 4XL\$37.35 each
 5XL\$38.95 each
 6XL\$40.45 each
 7XL\$41.95 each

WIZARD FLAME RESISTANT RAINSUIT

The Wizard Rainsuit offers a .28mm double coating of PVC with tough nylon scrim material layered in between. The Nylon Scrim has excellent rip and puncture resistance. This material has also been treated to have a limited Flammability quality, tested in accordance with ASTM D-6413. This yellow three pc suit features a jacket with hood and bib style pants. The jacket offers a storm fly front with snaps, take up snaps at the wrists, and a detachable hood with drawstring. Bib pants feature a fly front with snap and take up snaps at the waist and ankles.



3003-SZ

M, L, XL, 2XL \$19.95 each
 3XL \$22.00 each
 4XL-5XL \$23.25 each
 6XL \$24.35 each

BLACK RIDER RAINCOAT

This black Rider Coat is 60 inches in length, limited flammability, and features a detachable hood, snap front and take up snaps at the wrists. It has a corduroy lined collar for comfort and a cape ventilated back for air flow. Coat splits in the back and can snap around each leg to form chaps.



FR267C-SZ

- .35 mm PVC on polyester 60" coat, limited flammability
- Cape ventilated back for air flow
- Reach through pockets, badge tab holder

M, L, XL \$29.95 each
 2XL, 3XL \$31.95 each
 4XL \$33.95 each
 5XL \$34.75 each

**FULL LINE OF RIVER CITY
 RAINWEAR AVAILABLE.
 CALL FOR DETAILS**

APRONS/ARM GUARDS & SLEEVES

APRONS

NEOPRENE/NYLON APRON



Made of a very durable neoprene material with a nylon lining, this top of the line apron offers excellent abrasion, puncture, and tear resistance. Measures 35" x 45", has sewn edges, and is treated to be limited flammability.

- Rugged Neoprene/Nylon material, yellow
- Metal grommets, tie strings included
- One Size

10019 13 mil thickness.....\$29.99 each
 800S4P .35mm in thickness.....\$24.95 each
**Item 800S4P has limited flammability*



Leather Waist Apron



Leather Bib Apron

850 Denim Apron\$5.95 each
 L-18W 18" Leather Waist Apron\$14.95 each
 L42BSP Leather Bib Apron\$49.95 each
 PL42B 24" x 42" Leather Apron\$41.85 each

ARM GUARDS & SLEEVES



HEXARMOR® ARM PROTECTION

HexArmor® Arm Protection will outperform, outlast, and fit more comfortably than the competition. Most end user customers experience a reduction in safety equipment spending of over 60% using HexArmor® Arm Protection. No more snags, punctures, abrasions, or cuts to the forearm with this unique product.

HexArmor products are engineered to provide users with the highest levels of protection in areas where risk is the greatest. Experience the Science of Safety™ that has helped reduce injuries and lower PPE costs in the harshest work environments. Made with SuperFabric® brand material for the highest cut-resistance available on the market- Exceeds ISEA/CE Level 5

9" PROTECTIVE ARM GUARD

- Innovative industrial puncture protection from wires, metal, wood, and glass over entire forearm
- Won't fall down like knit sleeves, lightweight and cooler than knit or leather alternatives
- Lasts 13 times longer than competitive sleeves
- Spandex wrist insert with thumbhole
- Launderable

AG10009S-SZ Small-XLarge \$29.95 each
 2XL \$42.50 each
 AG9X-SZ 9" Guard w/Extended Cuff, L-XL..... \$44.50 each



19" PROTECTIVE ARM SLEEVE

- Made with SuperFabric® brand material for the highest cut-resistance available on the market- Exceeds ISEA/CE Level 5
- Innovative industrial puncture protection from wires, metal, wood, and glass from wrist to bicep
- Won't fall down like knit sleeves, lightweight and cooler than knit or leather alternatives
- Neoprene thumb loop and sleeve clip keeps sleeve from falling
- Launderable

AS019S-SZ Large-2XL..... \$62.50 each



FLAME RETARDANT CLOTHING



INDURA® ULTRA-SOFT FR COVERALLS

INDURA® Ultra-Soft 7 fabric is engineered to provide optimum performance for industrial secondary protective clothing. The FR fabric remains soft and comfortable, even after the FR process is achieved. Indura® Ultra Soft is a flame resistant 88% cotton and 12% high tenacity nylon, which is guaranteed to be flame resistant for the life of the garment.



- Meets or Exceeds NFPA 70E, 1971, 1975, 1977
- ASTM F1506 Arc Thermal Performance Tested
- Leaf collar
- Double stitched pockets (2 chest, 2 rear, 2 hip, 1 tool)
- Elastic waist
- Nomex® IIIA zipper front closure
- Non-sparking covered snaps on lapel, wrists, & pass-through pockets
- Bar tacked stress points
- One-piece action back design

INDURA-K-SZ	Khaki	XS, S, M, L, LT.....	\$62.00 each
INDURA-N-SZ	Navy	XL, XLT, 2XL, 2XLT, 3XL, 3XLT, 4XL, 4XLT	\$71.85 each
INDURA-RB-SZ	Royal Blue	6XL.....	\$79.95 each
INDURA-GRAY-SZ	Gray	* Larger Sizes and Gray also available. Call to order.	

RASCO BROWN DUCK INSULATED FR COAT

- 10 oz. 100% Cotton fire retardant shell
- 10 oz. 100% Cotton fire retardant flannel lining
- Five metal-button front
- Two-button adjustable cuffs
- Four patch pockets, including two chest pockets, one with flap and button closure
- Inside patch pocket with velcro closure on left side
- Work fit for better range of motion and comfort
- Other features: triple-stitched main seams with metal rivets at vital stress points, split back with bi-swing



BCF1213-SZ	Small-XL	\$123.00 each
	2XL-5XL, Tall Size	\$125.00 each

RASCO KHAKI FIRE RETARDANT SHIRT (7.5 OZ)

- Long Sleeve FR Western Style Shirt
- ATPV RATING 7.50 HRC 1
- 100% Cotton
- 7.5 oz Khaki Fire Retardant
- Metal Snaps
- Tall Sizes Available



FR750-SZ	Small-3XL	\$38.50 each
	4XL-5XL	\$41.50 each

RASCO BLUE DENIM FIRE RETARDANT JEANS

- ATPV RATING 15.00 HRC 2
- 100% Cotton 11.5 oz
- Brass zipper fly
- Tapered leg
- Relaxed Fit
- Two front quarter-top pockets, right has coin pocket
- Two reinforced back pockets
- Back yoke
- Leg opening made to fit over work boot
- Waist Sizes 30"-58", Inseam/Length Sizes 30"-36"



JFR1211-SZ	\$39.95 each
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RASCO LONG SLEEVE 100% COTTON KHAKI T-SHIRT

- ATPV Rating 10.50 HRC 2
- 100% Cotton Pocket on left side



KTF452-SZ	Small-XL	\$29.50 each
	2XL-5XL	\$31.50 each

RASCO NAVY FIRE RETARDANT UMBRELLA



- 7 ft
- 100% vinyl and acrylic coated fire retardant canvas umbrella

UFN7001	Navy Blue	\$89.75 each
UFD7004	Red.....	\$89.75 each

CLASS II FR SAFETY VEST

- Fire retardant
- Zipper closure
- 2" silver tape reflective material
- 1 horizontal stripe
- Pockets: 1 Upper Left Front, 1 Lower Right Inside
- Material: 100% Polyester Mesh NFPA 701 (2004) Treated Fabric
- Available in hi-viz orange and green
- 3rd Party Certified – Meets ANSI/ISEA 107-2010 Standards
- Specify size when ordering (Available in Medium-5X)



SV25-2ZGM-SZ	Hi-Viz Green	\$15.95 each
SV25-2ZOM-SZ	Hi-Viz Orange	\$15.95 each

HAZARDOUS MATERIAL HANDLING

DUPONT™ TYVEK® COVERALLS



DuPont™ Tyvek® coveralls provide a light-weight inherent barrier protection against hazardous dry

particles and aerosols, and nonhazardous light liquid splash. Made of flash-spun, high-density polyethylene, they provide excellent abrasion resistance and barrier to particles down to one micron. Tyvek coveralls are good for industrial workers in a variety of applications including general maintenance/operations, asbestos and lead abatement, mold remediation, and environmental cleanups.



Coveralls-No Hood or Boots

1412-S	Small	.....	\$4.95 each
1412-M	Medium	.....	\$4.95 each
1412-L	Large	.....	\$4.95 each
1412-XL	X-Large	.....	\$5.10 each
1412-XXL	2X-Large	.....	\$5.25 each
1412-XXXL	3X-Large	.....	\$5.50 each
1412-4X	4X-Large	.....	\$6.25 each
1412-5X	5X-Large	.....	\$6.45 each
1412-6X	6X-Large	.....	\$6.95 each

Coveralls-w/Hood and Boots

1414-S	Small	.....	\$5.25 each
1414-M	Medium	.....	\$5.25 each
1414-L	Large	.....	\$5.25 each
1414-XL	X-Large	.....	\$5.95 each
1414-XXL	2X-Large	.....	\$6.05 each
1414-XXXL	3X-Large	.....	\$6.50 each
1414-4X	4X-Large	.....	\$7.25 each
1414-5X	5X-Large	.....	\$7.75 each

Polycoated-w/Hood and Boots

1414P-L	Large	.....	\$10.95 each
1414P-XL	X-Large	.....	\$10.95 each
1414P-XXL	2X-Large	.....	\$11.95 each
1414P-XXXL	3X-Large	.....	\$12.95 each
1414P-4X	4X-Large	.....	\$13.95 each
1414P-5X	5X-Large	.....	\$13.95 each
1414P-6X	6X-Large	.....	\$14.95 each

Other Styles & Sizes Available • Case Quantity Pricing Available • Call for Details

DUPONT™ TYVEK® SHOE COVER

Worn over your shoes, these covers feature an elastic top and are 5 inches high, and provide protection against most hazardous dusts and offer light splash protection.



901-PR	Large/XL	.....	\$0.95 each
901-XXL	Jumbo	.....	\$1.25 each
903	Boot Cover Large/XL	.....	\$1.50 each

ALLEGRO® INDUSTRIES SPRAY SOCK

Provides comfortable protection against overspray and other particulates. Spray Sock fits over the head and can be worn with goggles, half mask or full mask respirators. The stretch knit material is breathable and cool to wear. One size fits all.



1410B	\$1.95 each
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KLEENGUARD® A40 LIQUID & PARTICLE PROTECTION APPAREL



- Breathable microporous film laminate
- Meets ANSI/ ISEA 101-1996 sizing standard
- Better liquid barrier, better particulate barrier, lower in lint than Tyvek®
- NFPA 99 compliant antistatic material
- Passes ASTM F1670 testing for penetration of blood & bodily fluids
- Zipper front, no hood or boots

44302-M	Medium	.....	\$4.10 each
44303-L	Large	.....	\$4.10 each
44304-XL	X-Large	.....	\$4.15 each
44305-XXL	2X-Large	.....	\$4.25 each
44306-XXXL	3X-Large	.....	\$4.45 each

MAJESTIC GLOVE COMFORTEX COVERALLS

- Micro-porous Coverall, Elastic Wrist and Ankles, Breathable
- Great barrier for non-hazardous environments.
- Comfortable and protective
- Lightweight and Breathable
- Perfect Against Dust, Particles and non-hazardous chemical spray.
- Meets ANSI/ISEA 101-1996(R2008)
- Elastic Wrist and Ankles



74-101-L	Large	.....	\$4.15 each
74-101-XL	X-Large	.....	\$4.25 each
74-101-XXL	2X-Large	.....	\$4.45 each
74-101-XXXL	3X-Large	.....	\$4.45 each
74-101-XXXXL	4X-Large	.....	\$4.65 each

MAJESTIC GLOVE FR BLAZETEX SMS COVERALLS

- Tri-Laminate Construction
- Compliant with NFPA 701 Flame Retardant Testing
- Anti-Static



74-201F-SZ	M, L, XL, 2X, 3X, 4X	\$8.25 each
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LOOKING TO SPECIAL ORDER ITEMS FOR YOUR BUSINESS?

GIVE US A CALL AT 1-800-592-6940!

HAZARDOUS MATERIAL HANDLING

INDURA LAB COATS

- 9 oz Cotton
- Flame Retardant
- Sizes Large to 3X-Large



LAB-K-SZ	Khaki (L or XL)	\$59.00 each
LAB-K-SZ	Khaki (XXL or XXXL)	\$64.00 each
LAB-NB-SZ	Navy Blue (L or XL).....	\$59.00 each
LAB-NB-SZ	Navy Blue (XXL or XXXL)	\$64.00 each
LAB-RB-SZ	Royal Blue (L or XL).....	\$59.00 each
LAB-RB-SZ	Royal Blue (XXL or XXXL).....	\$64.00 each



ONGUARD PVC BOOTS

- Injected molded seamless construction
- Steel toe style complies with ASTM F2413-05
- Hardened steel ladder shank for added safety and comfort
- Steel safety toe in selected styles
- Replaceable cushion insoles
- Scientifically formulated polyurethane and PVC
- Non-slip, self cleaning soles
- Cut off band for height adjustment
- 16" boot height



2747-SZ	Steel Toe, Men's Sizes 4-15	\$21.25 pair
2746-SZ	Plain Toe, Men's Sizes 4-15	\$17.50 pair

CHECK OUT THE SAFETY SECTION FOR MORE PROTECTIVE GLOVES!



NITRI-CHEM® GREEN NITRILE GLOVES

Nitrile gloves are three times more puncture resistant than rubber and can be used to offer superior resistance to many types of chemicals. This glove is an excellent alternative for individuals who experience allergic reactions to latex.



- 13" Length
- 15 mil
- Green Nitrile
- Flock Lined
- Made with FDA approved materials
- Diamond Grip

5319-8	Size 8/Medium	\$2.25 per pair
5319-9	Size 9/Large	\$2.25 per pair
5320-10	Size 10/X-Large	\$2.25 per pair

PVC COATED GLOVES

Even the dirtiest, harshest jobs won't destroy the will of these tough gloves. Single dipped PVC coated gloves provide basic protection in light chemical applications. Glove lengths from 12" to 18" provide different levels of protection.

- Industry Standard
- Single Dipped PVC
- Interlock Lined
- Smooth finish
- Black



6212-12	12"	\$1.95 per pair
6300-14	14"	\$2.25 per pair
6218-18	18"	\$2.25 per pair

MASKING TAPE

- 2" x 60 yards



UT-77 2	\$4.50 each
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DUCT TAPE

Cloth Duct tapes perform in the most critical and demanding applications associated with the removal of asbestos

- 2" x 60 yds



DUCT	\$7.25 each
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LACROSSE BOOTS



LACROSSE Boots are constructed of ozone-resistant, abrasion-resistant rubber, which offers 100% waterproof protection. ZXT™ rubber is a premium compound of rubber that has a high tensile strength, which means greater tear-resistance and greater durability.

PAC STEEL TOE WORK BOOTS - 16"

Developed in 1963, LaCrosse® Ankle-Fit™ design features a narrowed ankle pocket that grips the top of the foot better and locks the heel in place preventing excess rubbing and chafing.

- Removable EVA insole for cushioning comfort
- Extended sizes available for women or those with smaller feet
- Rubber protective toecap offers added durability for those in conditions that require crawling
- Trac-Lite™ outsole delivers outstanding all around traction
- Steel shank
- 16" height
- Steel safety toe meets or exceeds ASTM standard F2413-05 I/75 C/75 EH, with non-conductive electrical shock resistant soles and heels



22305-SZ Rust, Sizes 3-14.....\$112.95 pair

GRANGE HUNTING BOOTS

- Removable EVA foot bed adds cushioning for all day comfort
- Developed in 1963, LaCrosse® Ankle-Fit™ design features a narrowed ankle pocket that grips the top of the foot better and locks the heel in place preventing rubbing and chafing
- Chevron cleated outsole is ideal for sloshing through mud and water. Large cleats shed mud and debris giving you great traction.
- Fiberglass shank
- 18" height



15004-SZ OD Green, Sizes 5-15\$76.85 pair

INSULATED 2-BUCKLE WORK/HUNTING BOOTS

- 9mm wool-felt midsole with foam insulated bottom gives insulation from cold ground and cushioning comfort
- EVA removable foot bed for cushioning comfort.
- 2 convenient buckles for easy entry and exit
- Trac-Lite™ outsole delivers outstanding all-around traction in mud, snow and other loose terrain
- Fiberglass Shank
- 18" height



26704-SZ OD Green, Sizes 6-14 \$98.85 pair

BURLY® CLASSIC HUNTING BOOTS

- 9mm wool-felt midsole with a foam insulated bottom gives insulation from cold ground and cushioning comfort.
- Removable EVA foot bed adds cushioning for all day comfort
- Developed in 1963, LaCrosse® Ankle-Fit™ design features a narrowed ankle pocket that grips the top of the foot better and locks heel in place preventing excess rubbing & chafing
- Extended sizes available for women or those with small feet
- Chevron cleated outsole is ideal for sloshing through mud and water. Large cleats shed mud and debris while giving you grip and traction.
- Fiberglass shank
- 18" height



26604-SZ OD Green, Sizes 5-15\$88.00 pair

BIG CHIEF™ HIP WADERS - 32"

- Nylon lining for easy on and off.
- Adjustable, internal calf-harness for proper fit.
- EVA removable foot bed for cushioning comfort.
- Developed in 1963, LaCrosse® Ankle-Fit™ design features a narrowed ankle pocket that grips the top of the foot better and locks the heel in place preventing excess rubbing and chafing
- Chevron cleated outsole is ideal for sloshing through mud and water. The large cleats shed mud and debris while giving you great traction.
- 32" height



15404-SZ OD Green, Sizes 5-14 (Non-Insulated) \$110.85 pair

INSULATED STORM STEEL TOE HIP BOOT

Designed for cold, muddy wet jobsites. Durable canvas lining for easy on/off. The slip-resistant Trac-Lite™ outsole delivers all-around traction in mud, snow and other loose terrain. The lower inner thigh height provides greater walking mobility and comfort. Steel safety toe and puncture resistant steel midsole meet or exceed ASTM standard F2413-11 M I/75 C/75 EH PR. Electrical hazard (EH) footwear is manufactured with non-conductive electrical shock resistant soles and heels.

- 8mm wool-felt midsole and insulated foam rubber add protection for those working in cold climates
- Extra rubber protective toecap for added protection
- Steel shank
- 31" height



00109050-SZ Black, Sizes 6-16 \$125.00 pair

BILLY BOOTS & ACCESSORIES



**"The World's Lightest Safety Boot"
"MADE IN THE USA"**

BILLY BOOTS CRUISER 16" SAFETY BOOTS

- Eco-Friendly EVA Compound
- 60% Lighter than any other 16" boot
- Feather-Light, Durable Construction
- Built for Comfort and reduced fatigue for wearers
- Recyclable, PVC and Chlorine free, 100% Waterproof
- Chemical and UV Resistance
- Slip Resistant, Shock absorbing, Self-Cleaning Sole
- Composite Safety Toe
- Ribbed grip for easy pull-on
- Meets ASTM F2413-11
- Made in U.S.A.
- Men's sizes 4-13



BFC5B-SZ Brown \$72.95 per pair

BILLY BOOTS XTREME COMFORT LINER

- Light-Weight and Breathable
- 3-Ply Poly Fleece/Nylon Blend
- Moisture Wicking Dry-Fit Technology
- Comfort to -40° F (when used with boots)
- Approximately 3 oz. Per Pair
- Men's Sizes: M (4-6) ,L (7-9), XL (10-11), XXL (12+)



XT18-SZ 18" Height for Cruiser Boot..... \$34.95 per pair

BILLY BOOTS CHIEF XT 8" SAFETY BOOTS

- Includes Xtreme Comfort Liner
- Eco-Friendly EVA Compound
- 60% Lighter than any other 8" Safety boot
- Feather-Light, Durable Construction
- Built for Comfort and reduced fatigue for wearers
- Recyclable, PVC and Chlorine free
- 100% Waterproof
- Chemical and UV Resistance
- Slip Resistant, Shock absorbing, Self-Cleaning Sole
- Composite Safety Toe
- Comfort to - 40 degrees F
- Meets ASTM F2413-11
- Made in U.S.A.
- Men's sizes 4-13
- Please specify size and color when ordering



BFF5-SZ Brown or Black \$76.95 per pair

THERMACELL® HEATED INSOLES

This foot warmer offers convenient remote operation, no wires or external batteries, and at least 2,500 hours of toasty heat to warm cold feet for about four winters of heavy use. Designed to keep your feet warm, not hot, to avoid having your feet sweat and freeze. They are not intended to get "hot" to the touch like disposable/ chemical foot warming pads. Rather, they will keep your feet comfortable and around normal body temperature.

Rechargeable foot warmer is operated by a wireless remote control while the foot warmer is inside your shoes or boots. Uses high-tech wireless thermal technology—no wires, extension cords, Velcro® straps, or battery strap brackets, and no batteries mounted to the ankle, shoe, or waist.

- Charge lasts up to 5 hours of constant use (on medium heat setting)
- Powered by rechargeable, built-in lithium-ion polymer batteries embedded in the foot warmer insoles
- Adjustable to three temperature settings to warm cold feet by remote control: no heat, medium (100 degrees Fahrenheit), and high (111 degrees Fahrenheit)
- Can be recharged at least 500 times using the included charger.
- Recharges in 4 hours or less

Package includes: 2 Heated Insoles equipped with integrated rechargeable lithium-ion polymer batteries; 1 remote control with battery; 1 lanyard; 1 drawstring travel bag; 1 global charger; 1 instruction booklet



THS01-SZ Heated Insoles.....\$129.99 per pair
THSCC-1 Car Charger\$19.99 per pair

BOOT ACCESSORIES

RUD BERGSTEIGER SHOE CHAINS

Shoe chains made from high-grade steel with profiled chain links for exceptional grip. Security for professionals, winter sportspersons and hikers – ideal for mountain trekking in summer and winter.

- Simple to attach and stow away
- Sure grip – improves safety
- Made from welded high grade steel
- Self-cleaning
- High-quality, multi-functional packaging



55922	Men's Sizes 5-9	\$29.95 pair
55923	Men's Sizes 10-12	\$29.95 pair
55924	Men's Sizes 13+	\$31.95 pair

RUD QUICKSTEP SHOE CHAINS

Shoe chains made from high-grade steel with profiled chain links for exceptional grip. Simple to fit – unobtrusive, comfortable and space-saving. The compact carry-bag fits in every pocket.

- Simple to attach and stow away
- Sure grip – improves safety
- Made from welded high grade steel
- Self-cleaning
- High-quality, multi-functional packaging



2400536	Universal Size	\$16.95 pair
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PEET® SHOE DRYER

The PEET® Shoe Dryer, is the shoe dryer that safely dries any shoe or boot overnight. From sneakers to chest waders, even soaking wet footwear is thoroughly dry and comfortable the next day. The PEET® Shoe Dryer is great for removing moisture and odor caused by perspiration or wet weather. So whether it's 100 degrees or 20 degrees, the PEET® Shoe Dryer is the answer to those damp or wet shoes. Great for leather, plastic, rubber, vinyl, cloth, Gortex, canvas, etc.



M94-S	PEET Shoe Dryer	\$42.95 each
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H-2	12" Extensions.....	\$9.95 each
	(1 pr. needed to dry hip boots & 2 pr. for chest waders.)	

K-2	6" Extensions.....	\$5.95 each
	(1 pr. needed to dry knee boots.)	



ELLWOOD TOE GUARDS

The toe guards fit any shoe, provide maximum toe protection, and cause no discomfort because they don't encase the toe. They are light enough to be worn comfortably all day. Abnormal foot conditions do not cause problems. Weighing just 12 ounces, each guard is designed to withstand an impact of 75 foot pounds with a large safety factor designed in. To keep the guard properly positioned, it has a rubber toe clip, crossbar, and either a one-piece rubber strap with a tension buckle, or a two-piece leather strap with a spring fastening device. Per Federal Regulations, guards provide protection equal to AISI-Z41 standards.



702-4.5	\$34.95 pair
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ELLWOOD METATARSAL GUARDS

Ellwood Safety's Metatarsal Guard is designed to be worn with most lace types of Safety Toe Shoes to provide comfortable low cost metatarsal protection. This model has a spring fastening device to hold the guard in place on Safety Toe Shoes without laces.

E27301	\$39.95 pair
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ELLWOOD ALUMINUM ALLOY SHIN-INSTEP GUARDS

Shin guard attached to 6" instep guard by web, sponge rubber hinge; instep 5" wide, full length 20". Entire instep padded with 1/2" sponge rubber for comfort and shock absorption. Aluminum will resist penetration by sharpest tools.

- Maximum resistance to impact, penetration.
- Built of aircraft quality aluminum alloy 12" high, 5" wide at top, 3" wide at bottom.
- Padded top and bottom to absorb shock, provide comfort; attached at top and bottom with 5/8" web straps.
- Moisture will not cause deterioration.



E27323	\$98.95 pair
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17" OVERSHOE

- Constructed of flexible yellow rubber material
- Adjustable top strap with buckle for better fit
- Inside cotton liner for ease in putting on and taking off
- Over the shoe
- 17" height



BYR100-SZ	Men's Sizes 7-18	\$24.95 pair
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BOOT ACCESSORIES/WATER SAFETY

DELUXE SCRUSHER® SHOE & BOOT CLEANER

Great for garages, barns, ranches and shop areas. Even the thickest mud doesn't stand a chance against the three sets of brushes on the bottom of the Deluxe Scrusher.

- Three (3) sets of brushes on the bottom
- With its steel frame and hard maple replaceable brushes, the Scrusher is designed and built to last
- Side bristles are made of softer poly, won't scratch shoes
- Bottom bristles are made of stiff nylon to thoroughly clean soles of footwear
- Elevated base for easier cleaning



I4 Deluxe Scrusher.....\$57.95 each
I4SA Portable Steel Base.....\$22.95 each

ORIGINAL SCRUSHER® SHOE & BOOT CLEANER

Now there's a way to keep the outdoors where it belongs. The Scrusher all but eliminates dirt, mud, grime and snow from tramping in your door. The entire family can use the Scrusher to remove dirt, mud and slush from their sneakers, shoes and boots.



- Side bristles are made of soft poly, won't scratch shoes
- Bottom bristles are made of stiff nylon to thoroughly clean soles of footwear

H1 Original Scrusher\$29.95 each
H-1S Portable Steel Base.....\$12.50 each

REPLACEMENT BRUSHES FOR SCRUSHERS®

- All Scrusher models can be made like new by replacing worn out brushes.
- (Includes new replacement screws)



SB-5U Brushes for Deluxe Scrusher \$17.95 each
SB-M1 Brushes for Original Scrusher \$14.95 each

NEED TO SPECIAL-ORDER PROTECTIVE CLOTHING?

CALL OUR FRIENDLY AND KNOWLEDGEABLE SALES CONSULTANTS FOR ANSWERS TO ANY QUESTIONS YOU MAY HAVE:

1-800-592-6940

DATREX DECK BUOY

30" orange buoy with retro reflective tape. Used on board commercial vessels, offshore installations and larger yachts. Molded from high impact linear low-density polyethylene for superior life expectancy in the most severe environments. The encircling rope is replaceable.



JBX30 30" Buoy \$63.95 each

STEARNS SEAHORSE WORKVEST

- Vinyl Coated USCG
- Type V
- Reflective Tape
- Slotted for fall protection
- USCG



WV-10RT\$59.95 each

90' RING BUOY ROPE WITH BAG

- Throw line attaches to ring buoy for easy storage and quick deployment
- Storage bag features cinch and grab straps
- Made from weather-resistant, tough Cordura® fabric
- Contains highly-visible 3/8" polypropylene floating rope



080JACK0086.....\$59.95 each

REDIMARK® METAL BARREL MARKERS

Excellent durability! Six inch metal barrel is perfect for tough environments. Won't crack, melt, or break. Leak-proof, seamless metal body, heavy-duty chisel felt-tip with anchored nib construction. Permanent, alcohol based, fast drying ink is fade resistant on glass, plastic, metals, wood, cellophane, paper and more. Packed 12 per Box. Chisel Tip, 6" Barrel



87110 Red..... \$1.75 each
87170 Black \$1.75 each
87180 Blue \$1.75 each
87140 Green \$1.75 each
12+ \$1.50 each

DIXON REDISHARP PLUS PERMANENT MARKERS

RediSharp Plus permanent marks stay where you put it. Specially formulated waterbased ink is smooth flowing and permanent on most surfaces. Ideal for writing or drawing. Won't bleed through paper. No strong smell normally associated with permanent markers. Vented safety cap. AP certified non-toxic. Fine point. Packaged 12 per box.



98201 Red.....\$11.95 each
98204 Green.....\$11.95 each
98206 Purple.....\$11.95 each
98207 Black.....\$11.95 each
98208 Blue.....\$11.95 each

1177 WOOL CREW

- The classic crew sock
- Wool's natural microspring coils absorb shocks
- Reinforced with nylon for maximum wear & durability
- Smooth linear looped toe seam for no irritation at toes
- 65% wool, 25% stretch nylon



1177-M (Medium)\$9.50 per pair
 1177-L (Large).....\$9.50 per pair
 1177-XL (X-Large)\$9.50 per pair
 6+\$9.00 per pair

2460 WICK DRY® EURO

Medium Weight, crew

- Recommended for Hiking
 - CoolMax® technology wicks moisture away from feet
 - Cotton provides breathability and absorbency naturally
 - Lycra® arch panel promotes circulation & holds sock in place
 - Cushioned sole, heel, and toe absorb shocks and jolts
 - Smooth linear looped toe seam for no irritation at toes
 - 46% CoolMax® polyester, 30% stretch nylon, 22% cotton, 2% Lycra® spandex
 - Spandex compression arch holds form and provides support
- Colors: 2030 (Navy), 6040 (Khaki), 07030 (Grey)
 Sizes: Medium, Large, X-Large
 *Include Color Number & Size when ordering/Example: 2460-2030-L (Navy Large)



2460 - SZ.....\$8.85 per pair
 6+\$8.25 per pair

4478 WICK DRY® ALTURAS

Ultra light weight crew liner sock

- Polypropylene wicks moisture to transport perspiration away and helps resist the friction that causes blisters
- Polypropylene provides warmth and comfort without added weight
- Smooth linear looped toe seam for no irritation at toes
- 93% polypropylene, 6% nylon, 1% Lycra® spandex



Colors: 2031 (Navy), 5059 (Olive), 1000 (White)
 Sizes: Medium, Large, X-Large

*Include Color Number & Size when ordering/ Example: 4478-2031-L (Navy Large)

4478 - SZ.....\$4.65 per pair
 6+\$4.35 per pair

7586 WICK DRY® OUTLANDER

Heavy weight, over-the-calf, boot & field

- Acrylic wicks moisture away, keeping the foot drier, while reducing blisters
- Premium worsted wool keeps feet warm and wicks moisture naturally
- Exceptional soft and cushiony blend
- Fully thermalined for shock absorption and insulation
- Smooth linear looped toe seam for no irritation at toes
- 65% acrylic, 20% worsted wool, 15% stretch nylon, except 2% Lycra® spandex added to top



Colors: 5060 (Olive Drab mix/Olive Drab top), 07030 (Grey/Red Top)
 Sizes: Medium, Large, X-Large

*Include Color Number & Size when ordering/Example: 7586-5060-L (Olive Drab Large)

7586 - SZ.....\$7.65 per pair
 6+\$7.25 per pair

SOCK-TO-SHOE SIZE CHART

Sock Size	Unisex Men	Unisex Women
	M	5 - 8 1/2	6 1/2 - 10
L	9 - 12	10 1/2 - 12
XL	13 - 15	

7889 WICK DRY® WOODSMAN

Heavy weight, over-the-calf

- Thermolite® provides thermal insulation and wicks moisture away
- Breathable, non-terry front vamp panel eliminates bunching
- Thermalined leg and sole for shock absorption and added insulation
- Reinforced heel and toe for extended wear
- Smooth linear looped toe seam for no irritation at toes
- 53% Thermolite® polyester, 21% nylon, 14% worsted wool, 11% acrylic, 1% Lycra® spandex



Color: Olive Drab

Sizes: Medium, Large, X-Large

*Include Size when ordering/Example: 7889-L (Large)

7889 - SZ.....\$13.65 per pair
 6+\$12.75 per pair

7267 OUTDOORSOX

Extra heavy weight, over-the-calf

- Premium pre-shrunk worsted wool keeps feet warm and wicks moisture naturally
- Wool is a superior natural insulator
- Super power ribbed leg stimulates circulation and prevents muscle fatigue
- Thermalined foot for shock absorption and added insulation
- Smooth linear looped toe seam for no irritation at toes
- 84% worsted wool, 9% acrylic, 6% nylon, 1% Lycra® spandex added to top



Color: Grey

Sizes: Medium, Large, X-Large

*Include Size when ordering/Example: 7267-L (Large)

7267 - SZ.....\$12.00 per pair
 6+\$11.25 per pair

7587 WICK DRY® NORTHWEST

Extra heavy weight, over-the-calf, boot & field

- Acrylic wicks moisture away, keeping the foot drier, while reducing blisters
- Cotton knit on the outside absorbs moisture
- Exceptional soft and cushiony blend
- Fully thermalined for shock absorption and insulation
- Smooth linear looped toe seam for no irritation at toes
- 80% acrylic, 10% cotton, 9% stretch nylon, 1% spandex



Color: White with Red Top

Sizes: Medium, Large, X-Large

*Include Size when ordering/Example: 7587-L (Large)

7587 - SZ.....\$8.85 per pair
 6+\$8.25 per pair

FOX RIVER SOCKS



6851-2 RED HEEL® MONKEY SOCK

Light weight, crew

A Crafting Classic: The sock that started the dolls

- Soft cotton absorbs moisture
- Smooth, flat jersey knit that makes socks so comfortable to wear
- 97% cotton, 2% acrylic, 1% nylon, except for Lycra® added to top
- Doll instructions included with Large size socks
- Sold in 2 pair packs



*Add size to end of product number to replace "SZ" when ordering (except toddler size)

6851-2-SZ (S,M,L,XL) Original Heather Brown	\$10.50 per 2 pack
6851-2-06228-TS (Toddler Size) Original Heather Brown	\$10.50 per 2 pack
6851-2-02018-SZ (S,M,L) Blue	\$10.50 per 2 pack
6851-2-03210-SZ (S,M,L) Pink.....	\$10.50 per 2 pack

SOCK TOY CRAFTING BOOK

-Featuring the Original Red Heel® Sock Monkey

The original book has been updated to an exciting full-color pattern book with designs for over 50 hand-crafted sock toys and puppets!

- The new "How to Make the Original Rockford Red Heel® Monkey, Friends, Puppets and More" book includes full-color photos
- Features all of the traditional patterns with many updated tricks-and-tips to put a new twist on your creations in any color
- Creations with the new blue and pink Rockford Red Heel® sock featured throughout the book
- Instructions for over 50 adorable sock animals, sock dolls, and clothing with easy-to-follow instructions and diagrams



123456\$8.95 each

9071 CHOPPER MITT LINER

Medium weight adult handwear

- Premium wool and acrylic blend to keep hands warm inside of leather mittens
- 50% wool/50% acrylic

Color: Black & White - Large only



9071\$7.25 per pair

9988 DOUBLE RAGG MITT

Extra heavy weight mittens

- Premium ragg wool with a terry plush liner keeps hands warm
- Double thick and anatomically designed to fit left and right hands
- Outer shell: 85% wool, 15% nylon
- Liner: 23% wool, 67% acrylic, 10% stretch nylon



*Color: Brown Tweed
Sizes: Small, Medium, Large
State size when ordering

9988 - SZ.....\$17.65 per pair

9978 (Youth size Large)\$16.00 per pair

9992 WICK DRY® STA-DRI II

Ultra light weight Liner Gloves

- Wick Dry® base liner
- Polypropylene moves moisture and helps resist the friction that causes blisters
- Multifilament fiber for stretch and a form fit
- 100% polypropylene, except for Lycra® spandex added to cuff

Color: Dark Navy or Black

*Sizes: Unisex Sizing *Measure from base of palm to fingertip (Medium hand size: 8-8.5 inches) (Large hand size: 9-9.5 inches)*

*Add size to end of product number when ordering

9992-2031 (Navy) \$8.00 per pair 9992-147584 (Black) \$8.00 per pair





SEALSKINZ® SOCKS



PROTECTIVE CLOTHING

The SealSkinz® seamless design provides the ultimate in performance and comfort without annoying ridges and pressure points. Stretch-to-fit avoids uncomfortable sags and wrinkles, even in strenuous activity. Every sock is pressure tested to ensure it has no leaks.

LIGHTWEIGHT WATERPROOF CREW-LENGTH SOCKS

Three-layer membrane construction waterproof sock ensures protection and minimal bulk for any activity in wet, rainy conditions.

- Over-the-calf height (15") for additional waterproof protection
- Three-layer construction, securely bonded throughout entire sock
- HANZ® wicking liner for moisture management
- HANZ® stretchable waterproof, breathable MVT membrane
- Nylon/Lycra® Spandex shell offering a durable, flexible, stretch covering
- Thermal Protection Level: H2

SEAL1092 Small	\$30.00 per pair
SEAL1093 Medium	\$30.00 per pair
SEAL1094 Large	\$30.00 per pair
SEAL1095 X-Large	\$30.00 per pair



WATERPROOF CHILLBLOCKER™ CREW-LENGTH SOCKS

Three-layer membrane construction with insulation delivers added warmth and protection with minimal bulk for any activity in wet, wintery conditions.

- Mid-calf height (11")
- Expedition-weight double velour Polartec® Power Stretch® fleece liner
- HANZ® stretchable waterproof, breathable MVT membrane
- Nylon/Lycra® Spandex shell offering a durable, flexible, stretch covering
- Seamless design provides the ultimate in performance and comfort without annoying ridges
- Thermal Protection Level: H4

SEAL1392 Small	\$44.50 per pair
SEAL1393 Medium	\$44.50 per pair
SEAL1394 Large	\$44.50 per pair
SEAL1395 X-Large	\$44.50 per pair



SUBMERGE® WATERPROOF CALF-LENGTH SOCKS

Submersible, seamless waterproof technology seals out water for wading through deep water. Sealed, with wicking liner for comfort during high-output or low-output activities.

- Over-the-calf height (15") for additional waterproof protection
- HANZ® wicking liner for moisture management
- HANZ® stretchable waterproof, breathable MVT membrane
- Nylon/Lycra® Spandex shell offering a durable, flexible, stretch covering
- Thermal Protection Level: H2

SEAL1292 Small	\$32.95 per pair
SEAL1293 Medium	\$32.95 per pair
SEAL1294 Large	\$32.95 per pair
SEAL1295 X-Large	\$32.95 per pair



Foot Sizing - To ensure you purchase the perfect fit sock, please follow these simple steps:-

- Measure the length of your foot, heel to toe, in using a tape measure.
 - The size that you measure in centimetres, is your sock size.
 - If you measure 27cm, you will need a medium size Waterproof Sock, Cycle Over Sock or Cycle Overshoe, or a large Thermal Liner Sock.
- * **NOTE: If you plan to wear a thick sock under SealSkinz®, we suggest ordering the next largest size

SEALSKINZ® WATERPROOF SOCKS SIZE CHART

SealSkinz® Size	Size in Centimeters	U.S. Men's Shoe Size	U.S. Women's Shoe Size
Small	22-24	5-6	6-7
Medium	25-27	7-9	8-10
Large	28-29	10-11	11 & Larger
X-Large	30-32	13-15	-



SEALSKINZ® GLOVES

The three-layer membrane construction glove with minimal bulk, ensures protection and grip for multi-sport activities in wet conditions with moderate temperatures. Low-bulk, stretch-to-fit construction provides superior dexterity and tactility. Seamless design provides the ultimate in performance and comfort without annoying ridges and pressure points. Every glove is pressure tested to ensure it has no leaks.

SEALSKINZ® CHILLBLOCKER™ GLOVES

- Wrist cuff
- Expedition-weight double velour Polartec® Power Stretch® fleece liner
- HANZ® stretchable waterproof, breathable MVT membrane
- Nylon/Lycra® Spandex shell offering a durable, flexible, stretch covering
- Palms covered with abrasion-resistant grip dots
- Thermal Protection Level: H4



SEAL1792 Small	\$44.50 per pair
SEAL1793 Medium	\$44.50 per pair
SEAL1794 Large	\$44.50 per pair
SEAL1795 X-Large	\$44.50 per pair

**These gloves are made to be slightly larger than the regular SealSkinz® Glove for extreme cold conditions. If you prefer a snug fit, then order one glove size smaller than usual in Chillblocker™ Gloves.*

LIGHTWEIGHT WATERPROOF GLOVES

- Wrist cuff
- HANZ® wicking liner for moisture management
- HANZ® stretchable waterproof, breathable MVT membrane
- Nylon/Lycra® Spandex liner offering a durable, flexible, stretch covering
- Palms covered with abrasion-resistant grip dots
- Thermal Protection Level: H2



SEAL1592 Small	\$28.00 per pair
SEAL1593 Medium	\$28.00 per pair
SEAL1594 Large	\$28.00 per pair
SEAL1595 X-Large	\$28.00 per pair

HANZ® SVELTZ CAMO GLOVES

Hanz® SveltzCamouflage Gloves are knit with a nylon/Lycra yarn that provides a snug fit due to the stretch-to-fit nature of the material. The camo gloves are popular with hunters, archers, outdoor photographers, etc. as they allow the wearer to operate a weapon, camera, etc. while providing some warmth. They are often worn under a heavier glove in severe conditions.

- Realtree Max-1® Pattern or Realtree Max-4® Pattern
- Water-repellent
- Micro grip dot pattern provides more secure gripping than the bare hands, wet or dry
- Nylon® and Lycra® blend
- Treated with a durable water/oil repellent for quicker dry time and improved stain removal
- Very comfortable and suitable for many indoor and outdoor uses



3005S Realtree Max-1, Small/Medium	\$10.00 per pair
3005L Realtree Max-1, Large/X-Large	\$10.00 per pair
3006S Realtree Max-4, Small/Medium	\$10.00 per pair
3006L Realtree Max-4, Large/X-Large	\$10.00 per pair

To ensure you purchase the perfect fit glove, please follow these simple steps:

- Measure your dominant hand with a tape measure around the knuckles in inches (your left if you are left handed and your right if you are right handed)
- The size that you measure in inches, is your glove size, so if you measure 9 inches, you will need a medium glove
- Please remember that if the gloves are too tight on your hands they may make your hands feel cold, so if in doubt go up a size!

SEALSKINZ® WATERPROOF GLOVE SIZE CHART

SealSkinz® Size	Inches
Small	8
Medium	8.5
Large	9 to 9.5
X-Large	10-10.5



3M™ RESPIRATORS

3M™ 6000 SERIES HALF-MASK RESPIRATORS

- One of the lightest weight, most well-balanced available
- The soft, lightweight facepiece material and easy-to-adjust headstraps allow for maximum comfort.
- The low-maintenance design requires only minimal cleaning between uses and reduces the need for expensive repairs.
- No retainers or extra parts are required to attach filters, cartridges, or dual airlines for convenient usability.
- The large, hard-coated lens provides excellent visibility reducing scratches that can impair vision.
- NIOSH approved for negative air pressure air purifying



HALF-MASK RESPIRATORS

- 6000S Small..... \$12.95 per each
- 6000M Medium..... \$13.95 per each
- 6000L Large..... \$13.95 per each

CARTRIDGES

- 6001 Organic Vapor (2-pack).....\$12.50 per pair
- 6003 Organic Vapor/Acid Gas (2-pack).....\$12.95 per pair
- 6006 Multi-Gas.....\$13.95 per pair

PREFILTER

- 5N11 N95 Box of 10..... \$16.95 per box
- 501 Filter Retainer..... \$2.25 per box

3M™ P95 PARTICULATE FILTER

NIOSH approved for environments containing certain oil and non-oil based particles. Use with 3M™ Respirators 5000 Series or Cartridges 6000 Series with 3M™ Adapter 502, 3M™ Facepieces 6000 Series, or 3M™ Facepieces 7000 Series with bayonet filter holders. When properly fitted, use in a variety of applications such as grinding, sanding and welding for concentrations up to 10 times the Permissible

Exposure Limit (PEL) with half facepieces or 50 times PEL with full facepieces.

- 2071.....\$4.95 per pair

3M™ P100 NUISANCE/ORGANIC VAPOR FILTER

NIOSH-approved P100 particulate filter provides nuisance-level relief from organic vapors. Use with 3M™ Reusable Respirators 5000 Series or 3M™ Cartridge 6000 Series with 3M™ Adapter 502, 3M™ Respirators 6000, 7000 and FF-400 Series with bayonet filter holders. Filters can be used in a wide range of applications, including: welding, brazing, torch cutting, metal pouring, soldering, and exposure to lead, asbestos, cadmium, arsenic and MDA for concentrations up to 10 times the PEL with half facepiece respirators or 50 times PEL with full facepiece respirators.

- 2097.....\$10.95 per pair

3M™ N95 PARTICULATE RESPIRATOR

This 3M N95 Particulate Respirator is excellent for light and general duty dust applications. Advanced Electret Media and an adjustable noseclip make it cool and comfortable with a custom fit and a secure seal. This 3M Particulate Respirator meets new NIOSH 42CFR84 regulations.

- 8210B (Box of 20)..... \$16.95 per box

3M™ P100 PARTICULATE FILTER

Used for Nuisance Level Acid Gas Relief. Helps provide respiratory protection against exposure to lead, asbestos, cadmium, arsenic, and MDA. The filter is effective for concentrations up to 10 times the Permissible Exposure Limit (PEL) with half facepieces, or 50 times PEL with quantitatively fit tested full facepieces. This filter helps protect against a wide range of oil and non-oil based particulate contaminants.

- 3M2096 P100, Nuisance/Acid Gas..... \$10.95 per pair

3M™ FACESHIELD COVER

Use on 3M™ Full Facepieces 6000 Series to help protect the lens.

- 6885..... \$39.95 pack of 25

3M™ FULL FACEPIECE REUSABLE RESPIRATOR

6000 Series - helps provide protection against certain airborne contaminants. Use with 3M particulate filters, gas/vapor cartridges and supplied air respirator systems. The 3M™ Cool Flow™ Valve helps make breathing easier. These features combine to make a comfortable, practical and economical solution.



- 3M6800..... \$147.95 each
- 3M6900..... \$147.95 each

3M™ P100 PARTICULATE FILTER

Filter helps provide respiratory protection when combined with 3M™ Respirators according to NIOSH approvals. Use with 3M™ 5000 Series or 6000 Series with 3M™ Adapter 502, 3M™ Respirators 6000, 7000 and FF-400 Series with bayonet filter holders.

Filters can be used in a wide range of applications and exposure to lead, asbestos, cadmium, arsenic and MDA for concentrations up to 10 times the (PEL) with half facepiece respirators or 50 times PEL with full facepiece respirators.

- 2091.....\$7.50 per pair

3M™ N95 PARTICULATE WELDING RESPIRATOR

The 3M 8212 N95 Welding Respirator is designed for welding, torch cutting and metal pouring applications and provides long wearing, comfortable protection. This respirator features adjustable straps and a face seal, cake-resistant filter media, Advanced Electret Media and the "Cool Flow" exhalation valve. Its slim design allows it to fit easily under welding hoods. This meets new NIOSH 42CFR84 regulations.

- 8212A (Box of 10).....\$69.95 per box

3M™ N95 PARTICULATE RESPIRATOR

This 3M N95 Particulate Respirator offers comfortable extended wear in dusty environments, and offers durability and advanced no-frills features. Advanced Electret Media and the 3M "Cool Flow" exhalation valve make breathing easier and cooler. An innovative M-noseclip adjusts easily to provide an effective seal to reduce eye wear fogging. This Particulate Respirator meets new NIOSH 42CFR regulations.

- 8511A (Box of 10)..... \$20.95 per box

3M™ P100 MULTI-GAS/ORGANIC VAPOR FILTERS

This multi gas/vapor cartridge/filter combination Works with 3M™ Half and Full Facepieces 6000, 7000 and FF-400 Series with bayonet attachment holders. The cartridge/filter is NIOSH approved for environments containing certain organic vapors, acid gases, ammonia, methylamine, formaldehyde and non-oil and oil particulates. The cartridge/filter has been assigned the color code "Magenta/ Olive" in the NIOSH system.

- 60921 Organic Vapor.....\$25.95 per pair
- 60926 Multi-Gas/Vapor.....\$27.85 per pair

RESPIRATORY PROTECTION

MOLDEX

PARTICULATE RESPIRATORS

2200AN95 RESPIRATOR



Constructed with a sturdy Dura-Mesh™ shell and a Softspun™ lining, the 2200 N95 Particulate Respirator is long lasting and comfortable to wear for dust and non-oil mist applications. It follows the contours of the face without creating pressure points, yet maintaining a good seal. New softfoam nose flame eliminates pressure points for added comfort. Meets 42CFR84 requirements.

2200A (Box of 20) \$22.50 per box

2300N95 RESPIRATOR



Featuring a Dura-Mesh™ shell and a Softspun™ lining, the 2300 N95 Particulate Respirator includes an exhalation valve to make breathing cooler and easier. This respirator is suitable for welding applications, with flame retardants added to the shell to reduce flammability. The 2300 N95 Particulate Respirator meets new NIOSH 42CFR84 requirements.

2300 (Box of 10) \$26.50 per box

Honeywell

SURVIVAIR PREMIER PLUS HALF-MASK RESPIRATOR



The Survivair Premier Plus silicone half-mask respirator is designed with a triple flange design for superior fit, comfort and protection. NIOSH

322500 Med/Lg \$42.75 each
GT08P100 HEPA Cartridge \$13.25 Box of 4

GERSON

Leading the Way

GERSON NUISANCE DUST MASK



Single Strap.

Note: Does not provide NIOSH Approved respiratory protection.

GER1501 (Box of 50) \$9.00 per box

RESPRO® BANDIT SCARF



The Respro® Bandit™ scarf screens out city pollution, nuisance dusts, and odors. The Bandit™ incorporates our Dynamic ACC filter which is laminated between the cotton material of the scarf and is strategically placed around the breathing area. The Bandit™ has been made to last for at least six months, and with the filter being specially treated to be fully washable, it makes for a functionally convenient, comfortable product, suitable for both Summer and

Winter conditions. Excellent for those working in the forestry industry or while completing DIY projects around the house.

RB011-11 \$34.95 each

NEED SOMETHING YOU DON'T SEE HERE?

CALL US!

1-800-592-6940

WHAT IS A RESPIRATOR?

A respirator is a device that protects you from inhaling dangerous substances, such as chemicals and infectious particles. Respirators are among the most important pieces of protective equipment for working in hazardous environments. Selecting the right respirator requires an assessment of all the workplace operations, processes or environments that may create a respiratory hazard. The identity of the hazard and its airborne concentrations need to be determined before choosing a respirator. This assessment should be done by experienced safety personnel or by an industrial hygienist. There are several different types of respirators.

HOW DO RESPIRATORS WORK?

Respirators work by either filtering particles from the air, chemically cleaning (purifying) the air, or supplying clean air from an outside source.

PARTICULATE RESPIRATORS: Particulate respirators are the simplest, least expensive, and least protective of the respirator types available. These respirators only protect against particles (e.g., dust). They do not protect against chemicals, gases, or vapors, and are intended only for low hazard levels. The commonly known "N-95" filtering facepiece respirator or "dust mask" is one type of particulate respirator, often used in hospitals to protect against infectious agents. Particulate respirators are "airpurifying respirators" because they clean particles out of the air as you breathe.

~Information courtesy of www.OSHA.gov

RESPIRATORY PROTECTION

NORTH 7700 HALF MASK RESPIRATOR



Constructed of soft hypo-allergenic silicone rubber for a comfortable fit. One piece cradle suspension keeps face piece in place and adjusted with no irritating pressure. NIOSH/MSHA approved. Order filters and cartridges below.

7700-S (Small)	\$29.95 each
7700-M (Medium)	\$29.95 each
7700-L (Large).....	\$29.95 each



NORTH 7600 FULL MASK RESPIRATOR



This soft, pliable silicone respirator features a dual flange so one size fits all. Comfortable and lightweight design with five strap head harness for effective face seal. Oral, nasal cup reduces fogging and lessens "dead air" space. The clear coated polycarbonate lens wraps around to protect eyes. Provides over 200 degree field of vision. NIOSH/MSHA approved.

7600-8A	\$223.95 each
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NORTH 7902 EMERGENCY ESCAPE RESPIRATOR

This respirator offers a quick and economical method to escape non-IDLH emergency situations. Use the respirator as a "visitors escape device" or issue individual respirators to employees as a safety precaution against a potential chemical leak.



- Lightweight (7 oz.) and easy to use
- NIOSH-approved and MSHA-certified for use during escape from atmospheres containing chlorine, chlorine dioxide, sulfur dioxide and hydrogen sulfide
- Low breathing resistance makes it comfortable to use and reduces fatigue
- Breakaway nose clip prevents injury if the respirator happens to get caught on machinery
- Low profile construction offers minimal vision impairment and leaves plenty of room for additional protective eyewear
- Features a large stainless steel belt clip for easy portability

7902	\$20.95 each
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NORTH CARTRIDGES AND FILTERS

7506N95	N95 Non-Oil PreFilter (10 count box)	\$10.95 per box
7580P100-PR	P100 Particulate HEPA Cartridge	\$9.40 per pair
7583P100	Organic Vapor/Acid Gas Filter with P100.....	\$24.50 per pair
N7500-1	Organic Vapor Cartridge	\$11.95 per pair
N7500-2	Acid Gas Cartridge	\$11.95 per pair
N7500-3	Organic Vapor/Acid Gas Cartridge.....	\$12.95 per pair
N7500-4	Ammonia and Methylamine Cartridge.....	\$12.95 per pair
N7500-27	Check Cover For Attaching Filters	\$2.25 each



MAGIC DISPOSABLE RESPIRATOR CLEANSING WIPES DISPENSER

Stop the spread of germs and keep your personal protection equipment clean and deodorized in the plant and on the job site with Magic Disposable Cleansing Towelettes.

Special bactericide formula contains no alcohol and is an extremely effective surface disinfectant for personal protective equipment in controlling the hazard of cross infection.

The dispenser contains 100 individually foil packaged, 5" x 8" cleansing towelettes. Special formula kills infection, removes perspiration and body oils on contact. Contains no alcohol. Dispenser comes completely assembled, ready to use with built-in eye hook flap for convenient wall hanging.

ST100D (Box of 100)	\$15.00 per box
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SAFETY GLASSES

CREWS® SAFETY GLASSES

Crews Glasses is one of the largest producers of safety glasses in the world. Crews offers the broadest selection of safety glasses anywhere – from economy single use glasses to the most comfortable and stylish featuring the latest in product innovation. The safest eyewear is one users actually wear!

DALLAS™ PLUS SERIES GLASSES

Fashion and function combined with sleek styling that offers a lightweight comfortable fit. The unique nosebridge with gel nose pad along with full length non-slip temple sleeves comfortably fits a wide variety of users. The wrap-around lens design provides greater side impact protection.



- Strong, lightweight polycarbonate lens
- Full length non-slip temple sleeves
- Bayonet temples reduce pressure on mastoid bone
- Cord Included
- Unique nosebridge comfortably fit a wide variety of users
- Wrap around design provides greater side impact protection
- Blocks 99.9% of ultraviolet radiation
- Meets or Exceeds ANSI Z87+

DL110	Clear Lens, Black Frame	\$4.95 each
DL112	Smoke Lens, Black Frame	\$5.50 each
DL117	Mirror Lens, Black Frame	\$5.95 each
DL119AF	I/O Mirror Anti-Fog Lens, Black Frame	\$5.95 each
DL212AF	Smoke Anti-Fog Lens, Orange Frame	\$5.95 each
DL412	Gray Lens, Digital Camo Frame	\$6.95 each

FORCEFLEX® PREMIUM SERIES GLASSES

ForceFlex® technology incorporates a patented, multi-injection molding of the lens with a flexible Thermo Plastic Urethane (TPU) frame. Due to this construction, it can achieve a military ballistic level impact resistance at over 1000 feet per second. The TPU material allows the frame to flex and fit individual faces from large to small. All ForceFlex® styles meet military MIL-PRF-31013 clause 3.5.1.1 for high velocity impact protection and exceed ANSI Z87+. The dual material temples combine Thermo Plastic Rubber (TPR) for comfort and polycarbonate for durability. Engineered to provide the highest level of innovation for consumers that demand the very best in safety.



- Dual color axis design
 - Sleek dual lens design
 - Bayonet temple design
 - Duramass® scratch-resistant coating
- | | | |
|--------|--------------------------------------|--------------|
| FF122 | Gray Lens, Opaque Black Frame | \$12.95 each |
| FF122C | Clear Lens, Opaque Black Frame | \$10.00 each |

CHECKLITE® VALUE SERIES GLASSES

Stylish Checklite® glasses offer exclusive Duramass® scratch-resistant lens coating and spatula temples. Meets military MIL-PRF-31013 clause 3.5.1.1 for high velocity impact protection and exceed ANSI Z87+.



- Exclusive Duramass® scratch-resistant and Duramass® anti-fog lens coating
- Flexible spatula temple design for a comfortable fit during long use
- Strong, lightweight polycarbonate lens
- Near total seal of eye orbit assures the highest level of protection
- Filters 99% of U.V. radiation

CL010	Clear Lens.....	\$1.95 each
CL112	Gray Lens.....	\$2.25 each
CL117	Silver Mirror Lens	\$3.95 each
CL119	I/O Mirror Lens.....	\$3.95 each

BEARKAT® SAFETY GLASSES

Combines the best in safety, comfort, and affordability! Your vision is unobstructed by the one-piece wraparound lens, which allows you maximum safety and almost 0% of your vision outside lens view. Comfort is enhanced by the flexible temples and the non-slip rubber head grips are notched for a clip-on breakaway cord! The BearKat® meets military MIL-PRF-31013 clause 3.5.1.1 for high velocity impact protection and exceed ANSI Z87+.



- Single wraparound lens design
- Flexible temple design
- Polycarbonate lens
- Non-slip rubber head grips
- Filters 99% of U.V. radiation

BK110	Clear Lens.....	\$3.75 each
BK110AF	Clear, Anti-Fog Lens	\$3.95 each
BK112	Gray Lens.....	\$3.95 each
BK112AF	Gray, Anti-Fog Lens	\$3.95 each
BK113	Blue Lens.....	\$3.95 each
BK114	Amber Lens	\$3.95 each
BK117	Silver Mirror Lens	\$3.95 each
BK119	I/O Mirror Lens.....	\$3.95 each

CREWS® SAFETY GLASSES

KLONDIKE® PLUS SERIES GLASSES

The Klondike® Series from Crews® features safety and style at an affordable price. Klondike's matte black frame finish and proprietary gel nose piece keeps you at the peak of comfort and style all day long.



- Rugged polycarbonate lens filters 99.9% of U.V. rays
- Adjustable temples
- Gel nose piece
- Filters 99.9% of U.V. Radiation
- Meets or Exceeds ANSI Z87+

POLY FRAME – ADJUSTABLE TEMPLES

KD110	Clear Lens.....	\$3.00 each
KD112	Gray Lens.....	\$3.50 each
KD113	Blue Lens.....	\$3.50 each
KD114	Amber Lens.....	\$3.50 each
KD119	I/O Lens.....	\$4.95 each

METAL FRAME – SPRING HINGE, 11° BASE CURVE LENS, TWIN BRIDGE ADJUSTABLE NOSE PIECE

KD210	Clear Lens.....	\$5.95 each
KD212	Gray Lens.....	\$6.75 each

LAW® SERIES GLASSES, OVER THE GLASS

Fashionable wrap-around lens design offers an excellent orbital seal and a higher level of protection from side impacts due to its greater coverage area. TPR (Thermal Plastic Rubber) temple inserts enhance grip and comfort.



- Dielectric design
- Excellent orbital seal
- Higher level of protection from side impacts
- Thermal plastic rubber temple inserts
- Filters 99% of U.V. radiation
- Meets or Exceeds ANSI Z87+

OG110AF	Clear Over the Glass , Anti-Fog Lens.....	\$4.95 each
OG112AF	Gray Over the Glass, Anti-Fog Lens.....	\$5.25 each

BLACKJACK® SAFETY GLASSES

Single wrap around design with integral sideshields. Sleek, style-conscious safety glasses.



- Durable metal alloy temples with non-slip temple sleeves
- Exclusive Duramass® scratch-resistant coating
- Strong lightweight polycarbonate lens filters out 99.9% of ultraviolet rays
- Meets or exceeds ANSI Z87+ safety standards
- Some of the items in this style also meet European CE (EN166) safety standards.
- Welding styles available

S2110	Clear Lens.....	\$5.95 each
S2110AF	Clear, Anti-Fog Lens.....	\$6.25 each
S2112	Gray Lens.....	\$6.50 each
S2117	Chrome Mirror Lens.....	\$8.25 each
S2119	I/O Clear Mirror Lens.....	\$6.75 each

MOSSY OAK® CAMO FRAME SAFETY GLASSES

Whether you are on the job or in the field you are protected with Mossy Oak® protective eyewear .



- Polycarbonate lens
- Treated with exclusive Duramass® scratch-resistant coating
- Gel nose piece
- Rubber head grips
- Filters 99% of U.V. radiation
- Meets or Exceeds ANSI Z87

MO110	Clear Lens.....	\$8.95 each
MO112	Gray Lens.....	\$9.25 each
MO114	Amber Lens.....	\$9.95 each
MO119	I/O Clear Mirror Lens.....	\$9.95 each
MODL112	Gray, Dallas Style Lens.....	\$11.25 each

DID YOU KNOW.....

ANSI stands for American National Standards Institute. The ANSI Federation of is made up of nearly 1,000 U.S. businesses, professional societies and trade associations, standards developers, government agencies, institutes and consumer and labor interests, all working together to develop voluntary national consensus standards. Since it was founded in 1918, ANSI's strength has been in the diversity and expertise of its membership, which includes representation from almost every U.S. industry sector. (ANSI.org)

SAFETY GLASSES



CREWS® SAFETY GLASSES

RUBICON® SAFETY GLASSES

Rubicon™'s curved frameless lens design offers a close orbital seal for increased protection. This style's lens offers a 180° optically correct viewing area and meets ANSI Z87+ safety requirements.



- Curved lens offering 180 degrees viewing area
- Close orbital seal
- Resilient spring hinge temples
- Strong, lightweight polycarbonate lens
- Duramass® scratch-resistant coating
- Exclusive Duramass® AF4 anti-fog coating
- Meets or Exceeds ANSI Z87+ standard
- Satin carrying case and Breakaway cord
- Soft, secure gel nose piece
- Non-slip gel temple

T4110AF	Clear, Anti-Fog Lens	\$10.95 each
T4112AF	Gray, Anti-Fog Lens	\$11.50 each
T4113AF	Light Blue, Anti-Fog Lens.....	\$12.95 each
T411G	Emerald Green Lens.....	\$13.75 each
T411R	Fire Mirror Lens	\$13.75 each

SHOCK® PREMIUM SERIES GLASSES

Sleek, dual color design. Engineered to provide the highest level of innovation for consumers that demand the very best in safety.

- Dual color axis design
- Sleek dual lens design
- Bayonet temple design
- Non-slip gel temple sleeves
- Gel padded nose piece
- Includes case and breakaway cord
- Duramass® scratch-resistant coating
- Meets ANSI Z87+ high impact



SH112AF	Gray Anti-Fog Lens, Onyx/Graphite Gray Frame	\$9.95 each
SH118B	Blue Diamond Mirror Lens, Onyx/Graphite Gray Frame	\$9.95 each
SH14R	Fire Mirror Lens, Crimson/Stone Frame	\$9.95 each

Many other styles and options available. Most all of our safety glasses can be offered with your company logo!

POTENTIAL EYE HAZARD EXAMPLES:

- Hammering, grinding, sanding, and masonry work that may produce particles
- Handling chemicals may lead to splashes in the eye
- Wet or powdered cement in the eye can cause a chemical burn
- Welding leads to exposure to arcs and flashes (intense UV radiation) for welders, helpers, and bystanders
- Dusty or windy conditions can lead to particles in eyes
- Eye injuries can result from simply passing through an area where work is being performed

~Information courtesy of www.CDC.gov

NEED TO SPECIAL-ORDER SAFETY PRODUCTS?



CALL OUR FRIENDLY AND KNOWLEDGEABLE SALES CONSULTANTS FOR ANSWERS TO ANY QUESTIONS YOU MAY HAVE: 1-800-592-6940

SAFETY GLASSES

JACKSON SAFETY GLASSES

HELLRAISER SAFETY GLASSES

- Streamlined, sunglass styling
- Extreme lightweight design
- High performance polycarbonate lens
- Flex point temples for comfort and stability
- Base Curve 8
- Meets ANSI Z87.1+ Impact Standard
- 99.9% UV Protection



3013854 Smoke Lens, Black Frame..... \$8.25 each

NEMESIS SAFETY GLASSES

- Sleek, sporty style
- Soft touch temples
- Lightweight construction
- Single lens wrap-around protection
- Includes free neck cord
- Base Curve 8
- 99.9% UV Protection
- Meets ANSI Z87.1+ Impact Standard



- 3000354 Clear Lens, Black Frame**\$5.95 each
- 3000356 Smoke Lens, Black Frame**.....\$6.50 each
- 3000357 I/O Mirror Lens, Black Frame**.....\$6.50 each
- 3000359 Amber Lens, Black Frame**.....\$6.95 each
- 3020706 Clear Lens, Camo Frame**\$8.50 each
- 3020707 Gray Lens, Camo Frame**\$8.50 each
- 3000358 Blue Mirror Lens, Black Frame**\$7.50 each
- 138-19644 Bronze Lens, Camo Frame**.....\$8.95 each
- 28635 Polarized Smoke Lens, Gunmetal Frame**\$27.25 each

OVER THE GLASS SPECTACLES

Over the glass spectacle design - fits easily over most prescription spectacles. Integral side shields provide additional protection. 99% UV protection.



- 3015022 Clear Lens**..... \$9.50 each
- 3015023 Dark Lens** \$9.50 each

EYE SAFETY

Each day about 2000 U.S. workers have a job-related eye injury that requires medical treatment. About one third of the injuries are treated in hospital emergency departments and more than 100 of these injuries result in one or more days of lost work. The majority of these injuries result from small particles or objects striking or abrading the eye. Thermal burns to the eye occur as well. Among welders, their assistants, and nearby workers, UV radiation burns (welder's flash) routinely damage workers' eyes and surrounding tissue. Selection of protective eyewear appropriate for a given task should be made based on a hazard assessment of each activity, including regulatory requirements when applicable.

~Information courtesy of www.CDC.gov

RADIANS SAFETY GLASSES

CUATRO™ 4-IN-1 SAFETY GLASSES

- Closed cell foam insert protects against airborne dust and debris
- Removable head strap provides an adjustable goggle-like fit
- Eyewear temples easily snap-in
- Anti-Fog polycarbonate lens provides impact resistance and fog control
- Rubber nosepiece for comfort
- Meets ANSI Z87.1+ standards
- Provides 99.9% UV protection



- CT1-11 Clear, Anti-Fog Lens**\$9.50 each
- CT1-21 Smoke, Anti-Fog Lens**\$10.00 each
- CT1-61 Silver Mirror, Anti-Fog Lens**.....\$10.25 each

REVELATION™ SAFETY GLASSES

- Polarized lenses provide superior glare control for bright outdoor conditions
- Blocks 99.9% of harmful UV rays
- Lightweight design offers an extremely comfortable fit
- ANSI Z87.1-2003 compliant
- Revelation has a 5-position ratchet plus 4-position telescoping temples for superior fit



- RV01POID Smoke, Polarized Lens**\$14.50 each
- RV0110ID Clear Lens**.....\$3.95 each
- RV0120ID Smoke Lens**\$4.50 each

OPTIMA™ SAFETY GLASSES

A lightweight frame with dual mold temples. Adjustable rubber nose piece provides a comfortable, customized no-slip fit. Polycarbonate lens is impact resistant. Meets ANSI Z87.1 Standards and provides 99.9% UVA/UVB Protection.



- OP1010ID Clear Lens**.....\$3.25 each
- OP1011ID Clear, Anti-Fog Lens**\$4.75 each
- OP1020ID Smoke Lens**\$3.50 each

EDGE EYEWEAR BRAZEAU SAFETY GLASSES

Polarized safety glasses with a gradient smoke lens. 16% of light passes through the lens. Gloss black nylon frame and soft TPR Temple Tips for Comfort.



- TXBG216 Polarized Gradient Smoke Lens**..... \$39.95 each

NOTES



SAFETY GLASSES

PYRAMEX SAFETY GLASSES



V2 READERS

- Nose buds secure the glass and prevent slipping while providing a pillow soft fit.
- Strategic placement of lens insert is out of user's direct line of vision.
- Exceeds ANSI Z87.1 High Impact Requirements
- CE EN166 Certified & CAN/CSA Z94.3-07
- 9.75 base curved lens provides full side protection.
- Offers protection from excessive glare
- Provides 99% protection from harmful UV-A and UV-B rays.
- 100% polycarbonate Scratch-resistant lenses



CLEAR LENS, BLACK FRAME

SB1810R10	1.0 Power	\$8.95 each
SB1810R15	1.5 Power	\$8.95 each
SB1810R20	2.0 Power	\$8.95 each
SB1810R25	2.5 Power	\$8.95 each
SB1810R30	3.0 Power	\$8.95 each

DARK LENS, BLACK FRAME

SB1820R15	1.5 Power	\$9.25 each
SB1820R20	2.0 Power	\$9.25 each
SB1820R25	2.5 Power	\$9.25 each
SB1820R30	3.0 Power	\$9.25 each

I/O MIRROR LENS, BLACK FRAME

SB1880R15	1.5 Power	\$9.25 each
SB1880R20	2.0 Power	\$9.25 each
SB1880R25	2.5 Power	\$9.25 each

PMXTREME SAFETY GLASSES

- Built-in rubber nose piece.
- Rubber temple tips.
- Ventilated, straight-back flexible temples.
- Scratch resistant polycarbonate lens provides 99% UVA/B/C protection.
- Includes black lanyard cord.



SB6310SP	Clear Lens	\$4.95 each
SB6320SP	Grey Lens	\$4.95 each

INTEGRA INDUSTRIAL SAFETY GLASSES

Single lens and adjustable temples ensure reliable performance. Scratch resistant polycarbonate lens provides 99% UVA/B/C protection.



SB410S	Clear Lens	\$4.95 each
SB420S	Grey Lens	\$4.95 each

ELVEX SAFETY GLASSES



GO SPECS™ FOAM LINED GLASSES

Go-Specs™ primary objective is to provide an extra measure of protection in dusty and dirty environments. Wind blown particles such as dust, sand, cement, and chemicals can cause serious eye irritation and damage.



In addition to this specialized task, Go-Specs offer some particle protection and a full range of features and benefits:

- Impact resistant molded lens with SuperCoat™ anti-fog coating.
- 1.8 mm thick Polycarbonate lens with a base 6 curvature.
- Closed cell Polyurethane foam seal
- Angle adjustable temples
- 99% UV protection for UV A, B and C, 180-380 nm
- Tested to ANSI Z87,1-2010
- High velocity impact resistant, Z87+

GG-40C-AF	Clear, Anti-Fog Lens	\$8.95 each
GG-40G-AF	Gray, Anti-Fog Lens	\$9.95 each

ELVEX GO SPECS II™ HYBRID SAFETY GLASSES/GOGGLES

EVA Flame Retardant foam lined spectacle, Anti-fog, polycarbonate lens with temples & flame retardant elastic fabric strap system, black frame/orange accent.



GG-45C-AF	Clear Lens, Anti-Fog	\$8.95 each
GG-45G-AF	Grey Lens, Anti-Fog	\$9.25 each

XTS™ SAFETY GLASSES

Updated design has a better fit, better looks and better coverage. Elvex XTS™ safety glasses comply with ANSI Z87.1-2010 (Z87+) requirements and have CE approval to EN-166, for safety eyewear.



- Provide 99.9% against UV-A, UV-B and UV-C, in wavelength range 180-380 nm.
- Dual lens construction allows excellent peripheral vision
- Anti slip rubber temple tips for added comfort
- Universal non-slip rubber nose bridge for the most comfortable fit
- Complies with ANSI Z87.1-2010 (+) and most comply with CE EN-166
- Ballistic Vo impact rated, 4X the ANSI requirement

SG-24C	Clear Lens	\$5.95 each
SG-24G	Gray Lens	\$6.95 each
SG-24M	Mirror Lens	\$7.50 each

RANGER SAFETY GLASSES

Made from impact resistant Polycarbonate, and is available with clear, gray and amber lenses. Ranger fits well over many prescription glasses and is inexpensive enough to be used as visitor spectacles.



SG-10C	Clear Lens	\$3.95 each
SG-10G	Grey Lens	\$4.25 each



WILEY X SAFETY GLASSES

Wiley X Eyewear is a leading provider of protective eyewear and ballistic products for the U.S. military, outdoor sports enthusiasts and the safety and shooting industries. All Wiley X's are ANSI rated, and are tested and marked on all frames, temples and lenses with the appropriate ANSI certification. Wiley X frames and lenses must withstand the weight of a 1.1 lb. pointed projectile dropped from a height of 50'. Frames and lenses must withstand the impact of a .25 inch diameter steel ball fired at a speed of 150 fps. The test is repeated 20 times from different angles to make sure the lenses and frames are practically indestructible. Wiley X safety and performance eyewear is not only snug and comfortable, but stylish. Suitable for any activity, on the job or off, they're the perfect safety glasses employees will actually enjoy wearing.

Climate Control Series - Removable Gasket Included

WX SAINT

Part Number	Lens	Frame	Price
CHSAI04	Polarized Smoke Green	Gloss Black	\$130.00



CHSAI04

WX ECHO

Part Number	Lens	Frame	Price
CCECH01	Silver Flash (Smoke Grey)	Smoke Steel Blue	\$100.00
CCECH04	Polarized Emerald Mirror (Amber)	Gloss Black	\$150.00



CCECH01

CCECH04

WX GRAVITY

Part Number	Lens	Frame	Price
CCGRA01	Black Ops, Smoke Grey	Matte Black	\$100.00
CCGRA04	Polarized Blue Mirror	Black Crystal	\$150.00
CCGRA05	LA™ Light Adjusting Smoke Grey	Gloss Black	\$150.00
CCGRA06	Bronze Flash (Crimson Brown)	Brown Crystal	\$100.00
CCGRA02	Silver Flash (Smoke Grey)	Matte White	\$100.00



CCGRA01

CCGRA04

CCGRA05

CCGRA06

CCGRA02

JAKE

Part Number	Lens	Frame	Price
CCJAK01	Smoke Grey	Gloss Black	\$100.00



CCJAK01

Changeable Series - Interchangeable Lenses

VALOR

Part Number	Lens	Frame	Price
CHVAL01	Black Ops, Smoke Grey	Matte Black	\$75.00
CHVAL06	3 Lenses: Smoke Grey, Clear, Light Rust	Matte Black	\$95.00
CHVAL05	Polarized Crimson Mirror (Smoke Grey)	Black 2 Tone	\$130.00
CHVAL08	Black Ops, Polarized Smoke Grey	Matte Black	\$130.00



CHVAL01

CHVAL06

CHVAL08

ROMER 3

Part Number	Lens	Frame	Price
WX1004	2 Lenses -- Smoke Grey, Clear	Matte Black	\$84.00
WX1006	3 Lenses -- Smoke Grey, Clear, Light Rust	Matte Black	\$95.00



WX1004

WX1006

Street Series - Outdoor

REVOLVR

Part Number	Lens	Frame	Price
SSREV8	Black Ops, Smoke Grey	Black Matte	\$85.00



SSREV8

WX TWISTED

Part Number	Lens	Frame	Price
SSTWI01	Black Ops, Smoke Grey	Matte Black	\$80.00
SSTWI08	Black Ops, Polarized Smoke Grey	Matte Black	\$130.00



SSTWI01

WX CENSOR

Part Number	Lens	Frame	Price
SSCEN08	Black Ops, Polarized Smoke Grey	Matte Black	\$130.00



SSCEN08

We offer the full line of Wiley X products. Call for more information.

CROSSFIRE SAFETY GLASSES



CROSSFIRE ES4 SAFETY GLASSES

Made from impact resistant Polycarbonate, and is available with clear, gray and amber lenses. Ranger fits well over many prescription glasses and is inexpensive enough to be used as visitor spectacles.

Part Number	Lens	Frame	Price
CF2169	High Definition Red Mirror	Matte Black	\$10.50
CF2164	Clear	Shiny Pearl Gray	\$8.95
CF2141	Smoke Lens	Crystal Black	\$8.95
CF2123	Silver Mirror	Shiny Black	\$8.95
CF21427	Polarized – Silver Mirror	Crystal Black	\$39.95



CF2169



CF2164



CF21427

CROSSFIRE INFINITY SAFETY GLASSES

Filters blue light which can cause eye fatigue and cause a haze effect. Use in normal to bright outdoor use.

Part Number	Lens	Frame	Price
CF2117	High Definition Brown Flash Mirror	Crystal Brown	\$9.95



CF2117

CROSSFIRE ES5 SAFETY GLASSES

The ES5 provides a polished looked with a light weight fit. The sleek framework provides substantial coverage for a variety of environments.

Part Number	Lens	Frame	Price
CF29117	High Definition Brown Flash Mirror	Crystal Brown	\$8.50
291113	Polarized – High Definition Brown	Crystal Brown	\$37.95
29215	Indoor/Outdoor	Matte Black	\$8.50
2961	Smoke	Shiny Pearl Gray	\$8.50



CF29117



2961



29215

CROSSFIRE RPG SAFETY GLASSES

The newly redesigned full frame RPG makes the list again as a best-selling style. Fitting a wide range of users, it is offered in various lens selections for application in diverse environments.

Part Number	Lens	Frame	Price
23117	High Definition Brown Flash Mirror	Crystal Brown	\$8.75



23117

CROSSFIRE ES5 READERS – SAFETY GLASSES

Part Number	Lens	Frame	Price
CF2911712	1.25 HD Brown Flash Mirror	Crystal Brown	\$10.50
CF2911715	1.50 HD Brown Flash Mirror	Crystal Brown	\$10.50
CF2911720	2.0 HD Brown Flash Mirror	Crystal Brown	\$10.50
2911725	2.5 HD Brown Flash Mirror	Crystal Brown	\$10.50
CF296415	1.25 Clear Lens	Shiny Pearl Gray	\$10.50
CF296420	2.0 Clear Lens	Shiny Pearl Gray	\$10.50



CF2911712

CROSSFIRE SNIPER SAFETY GLASSES

Filters blue light which can cause eye fatigue and cause a haze effect. For normal to bright outdoor use.

Part Number	Lens	Frame	Price
9117	High Definition Brown Flash Mirror	Crystal Brown	\$6.95



9117

CROSSFIRE TALON SAFETY GLASSES

The sporty and lightweight design of the Talon was created for a great fit and ease of use in diverse environments. Allows maximum light transmission without changing or distorting sight or colors. Suitable for indoor or low light conditions.

Part Number	Lens	Frame	Price
124	Clear	Matte Black	\$6.95



124

CROSSFIRE SHIELD FOAM-LINED SAFETY GLASSES

The Shield is a multipurpose foam lined safety glass. This is a great choice for extreme environments where airborne particles interfere with the work environment.

Part Number	Lens	Frame	Price
CF541AF	Anti-Fog Smoke Lens	Crystal Black Frame	\$5.95
CF554AF	Anti-Fog Clear Lens	Crystal Black Frame	\$5.95



CF541AF



CF554AF

GOGGLES

SIGHT SHIELD GOGGLES

Sight Shield, large particle goggles, protect the workers' eyes from flying debris due to chainsaws, chippers or heavy equipment. These goggles combine tough polycarbonate frames with a steel mesh lens that protects the eyes effectively without fogging.



The frame is constructed to match the bone structure of the face. This provides a comfortable goggle that gives a complete seal and can be worn comfortably for hours. The lenses are stainless steel, rust resistant and are available in three mesh sizes. Steel mesh allows the worker excellent vision without the threat of fogging. Plus, it allows better air circulation for a cooler working environment.

IMPORTANT NOTE: The Sight Shield is a protective goggle and DOES NOT pass ANSI Z.87 standards for safety goggles.

SN-1010	10 Mesh (Qty 1-11).....	\$19.95 each
	12+	\$18.50 each
SN-1020	20 Mesh (Qty 1-11).....	\$19.95 each
	12+	\$18.50 each
SN-1030	30 Mesh (Qty 1-11).....	\$19.95 each
	12+	\$18.50 each

KIMBERLY CLARK 211 V80 MONOGOGGLE

- Indirect ventilation
- Separate, soft, pliable plastic nosepiece
- Frame designed to improve work area visibility
- Patented ventilation system increases airflow, while protecting against chemical splash
- Meets or exceeds ANSI Z87.1 requirements



10115	Clear, Anti-Fog	\$11.50 each
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PGX1 GOGGLES

- Polycarbonate body and lens with thermo plastic rubber (TPR) seal
- External liquid diversion channels
- Multiple points of indirect venting for increased airflow
- Dual purpose storage/cleaning bag
- Available with Elastic or TPR adjustable strap



PGX110AF	Clear, Anti-Fog Lens	\$24.50 each
PGX112AF	Gray, Anti-Fog Lens	\$24.50 each



Uvex goggles are ideal for impact, dust and airborne particles, chemical splash, and optical radiation (UV and welding/heat radiation). Exclusive UVExtreme® AF coating provides anti-fog, anti-scratch, anti-static, and anti-UV protection.

UVEX STEALTH® GOGGLE

The highest levels of comfort, protection, performance and sleek styling. These goggles offer modern design, technology and materials coupled with premier performance, comfort and adjustability features.



Meets ANSI Z87.1 and CSA Z94.3 standards.

UVXS3960C	Clear Anti-Fog Lens	\$13.95 each
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UVEX STRATEGY® GOGGLE

The highest levels of comfort, protection, performance and sleek styling. These goggles offer modern design, technology and materials coupled with premier performance, comfort and adjustability features.



Meets ANSI Z87.1 and CSA Z94.3 standards.

S3815	\$10.95 each
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JACKSON SAFETY V90 SHIELD

- Features Monogoggle XTR with full face protection
- Full face protection detaches from goggle
- Curved faceshield conforms to shape of face offering better protection
- Polycarbonate shield for added protection
- Fits over most prescription eyewear
- Chemical and impact protector



JAC3010343	\$29.50 each
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CREWS® GENERAL PURPOSE GOGGLES

These goggles provide a wide, unobstructed field of vision and can be worn with most half-mask respirators. The transparent protective PVC body permits a comfortable fit over prescription eyewear while protecting against impact and splash.



2220A



2237R



230

2220A	Clear Lens, Perforated Frame	\$2.95 each
2237R	Clear Anti-Fog Lens, Ventless Frame.....	\$3.50 each
230	Clear Lens, Indirect Ventilation, Adj. Strap	\$2.75 each



PYRAMEX GOGGLES

PYRAMEX GOGGLES

- Breakaway headband provides added protection and features quick fit retainer
- Top shelf chemical splash goggles feature generously sized heavy duty body and lens.
- Special one-way vent allows air to enter while keeping liquids out.
- Body tinted to reduce glare.
- Exceeds the ANSI Z87.1 High Velocity Impact Standards.
- Offers protection from excessive glare.
- Scratch-resistant lenses
- Provides 99% protection from harmful UV-A and UV-B rays.
- 100% polycarbonate lenses



G404T Clear Anti-Fog Lens.....\$6.95 each

PYRAMEX XS3 PLUS GOGGLES

- Sports-look safety spectacle with superior eye protection.
- Slim temples for custom fit
- Unique temple design with co-injection temple tips for cushioned comfort.
- Open temples allow clip on cord option for goggle-like fit.
- Soft foam padding provides comfort fit.
- Foam padding and cord option provide seal to keep out dust and airborne particles.
- Exceeds ANSI Z87.1 High Impact Requirements
- CAN/CSA Z94.3-07
- Offers protection from excessive glare
- Provides 99% protection from harmful UV-A and UV-B rays.
- 100% polycarbonate scratch-resistant lenses



SB4610STP Clear Anti-Fog Lens.....\$7.50 each

PYRAMEX CAPSTONE SHIELD

- Fits over prescription glasses.
- Fully adjustable elastic band.
- Goggle incorporated with removable shield provides full face protection.
- Ratchet shield allows user to open or close in 3 positions for adjustment.
- 4 ventilation holes provide appropriate airflow.
- Polycarbonate shield conforms to the face offering increased impact and dust protection.
- Indirect-vent frame provides protection against splash and dust.
- Soft vinyl goggle body conforms to facial contours for a very comfortable fit.
- Scratch resistant polycarbonate lens provides 99% UVA/B/C protection.



GG504TSHIELD Clear, Anti-Fog Lens..... \$21.95 each
GG504TSHIELDIR5 Green Tinted, IR5 Anti-Fog Lens..... \$32.95 each

PYRAMEX XSG LOW PROFILE GOGGLES

- Flame resistant foam padding forms seal to keep out dust and airborne particles.
- Interchangeable temple/strap included with each pair.
- Strap has Quick Fit retainer for easy on/off.
- Design allows air to flow freely reducing heat.
- Exceeds the ANSI Z87.1 High Velocity Impact Standards.
- CE EN 166 Certified
- CAN/CSA Z94.3-07
- Lenses are treated to prevent fogging, scratching, and static.
- Lenses are treated to self seal small scratches
- Lens and frame are vented to increase air flow.
- Offers protection from excessive glare.
- Provides 100% protection from harmful UV-A and UV-B rays.
- 100% polycarbonate lenses



GB4080ST I/O Mirror Lens.....\$19.95 each

PYRAMEX VG2 GOGGLES

- Headband features ratchet adjustment for perfect fit.
- Foam padding forms a perfect seal to keep out dust and airborne particles.
- Headband features quick fit retainer.
- Interchangeable temples/headband included with each pair of V2G goggles
- Meets the ANSI Z87.1 High Velocity Impact Standards.
- CAN/CSA Z94.3-07
- CE EN166 Certified
- 9.75 base curved lens provides full side protection.
- Lenses are treated to prevent fogging and self seal small scratches
- Lens and frame are vented to increase air flow.
- Offers protection from excessive glare.
- Provides 99% protection from harmful UV-A and UV-B rays.
- 100% polycarbonate lenses
- Scratch-resistant lenses



GB1810ST Clear Lens.....\$8.95 each

GB1820ST Grey Anti-Fog Lens.....\$8.95 each

GB1880ST I/O Anti-Fog Mirror Lens.....\$8.95 each

PYRAMEX HIGHLANDER GLASSES/GOGGLES

- Inner lens clip provides soft foam for comfort fit and extreme styling.
- Can be worn with inner foam for additional dust protection.
- Scratch resistant polycarbonate lens provides 99% UVA/B/C protection.



SBL5010DT Clear, Anti-Fog Lens, Black/Lime Frame.....\$7.50 each

SAFETY GLASSES ACCESSORIES

SNUGZ

SnugZ^{usa} Snugz eyeglass retainer cords with adjustable bead keep safety glasses handy. Functional yet fashionable.



SNUGZ Assorted Colors\$2.95 each

EYEGLASS CORDS

Reduce breakage and loss of eyewear with these stylish cords in multiple colors.



99540 Assorted Colors\$0.35 each

SIDE SHIELDS

Can be used on eyeglasses or safety glass without side shields.

Product Number	Style	Color	Price Per Pair
AMSAT1	Slide-On	Clear	\$0.75
B-52	Large, Rubber Band Mount	Clear	\$6.50
B-26	Small, Rubber Band Mount	Clear	\$5.25
99705	Flexible, Slip On	Clear	\$2.95
RAD64051421	Flexible, Weave-Thru	Clear	\$3.00



B-52



AMSAT1

LENS CLEANING STATION

- Cleaning Station
- 8 Ounce Spray Cleaning Solution
- 2 Boxes of 300 Tissues



LCS1\$9.95 each

VISIONAID® LENS CLEANING STATIONS

Disposable Lens Cleaning Station. Eliminates refilling and maintenance. Anti-fog Cleaner is effective without scratching lenses. Wall mount or set on counter.



1LC5000D



1LC382D

Mini Station includes 500 tissues and a 3 oz. spray bottle of anti-fog, anti-static fluid for polycarbonate or glass lenses.

Standard Station contains 1600 tissues and a large 16 oz bottle of lens cleaning solution.

1LC382D Mini Station.....\$5.95 each
1LC5000D Standard Station.....\$15.95 each

MAGIC FOG-B-GONE LENS CLEANING TOWELETTES

Reduce eyestrain and fatigue caused by dirty glasses and protective eyewear in the plant and on the job site with Magic lens cleaning towelettes. Ideal for use on plastic, glass or polycarbonate safety goggles, shields and glasses (not for use on contact lenses), and computer screens.



Towelette Dispenser contains 100 individually foil packed, pre-moistened 5" x 8" lens cleaning towelettes. Magic's anti-fog, anti-static formula contains no silicone. Dispenser comes completely assembled, ready to use with built-in eye hook flap for convenient wall hanging. 100 towelettes per dispenser.

TW100DS\$11.00 each

BAUSCH + LOMB FOGSHIELD XP CLEANING SOLUTION

- Extreme anti-fog protection
- Special surfactants to clean even the most stubborn dirt and grease residue
- 12 oz. cleaner with spray pump



77\$7.25 each

CSM CLEANSE-A-LENS STATION

- Safe for all glass and polycarbonate lenses
- Certi-clear anti-fog and anti-static solution
- Wall mount station has a waste receptacle for used tissue
- Heavy gauge polystyrene station with foam tape or screw holes for wall model



335050\$10.99 each

BAUSCH + LOMB SIGHT SAVERS PRE-MOISTENED CLEANING TISSUES

A lot of clean in a little package. Sight Savers Pre-Moistened Lens Cleaning Tissues are individually packaged lens cleaning tissues treated with special surfactants that clean all glass and plastic lenses. The tissues provide anti-static and anti-fog protection for moderate conditions. Excellent for safety and prescription eyeglasses, goggles, face shields, computer screens, automobile mirrors and more. Place the gravity feed dispenser where it's most accessible in a workplace or office environment. Then take and use the individually wrapped tissues wherever you need them.



- Non-silicone based and anti-static
 - Anti-fog performs in mild fogging conditions
 - 100 pre-moistened tissues per box, 5" x 8"
- 8574GM\$15.25 each

EAR PLUGS



Ideal for long term users, and those with small ear canals.



MAX-Lite (NRR 30) low pressure foam ear plugs offers long term user comfort not found in other pre-shaped foam ear plugs. The non-irritation, non-allergenic self-adjusting foam recovers to fit virtually any ear canal. MAX-LITE is ideal for that portion of the population with smaller ear canals. Attenuation tested in accordance with ANSI S3, 19-1974. Noise reduction rating NRR 30 db, SNR 34 db. Green color.

LPF1-BX	Uncorded/Box of 200 pair	\$32.50 per box
LPF-30-BX	Corded/Box of 100 pair	\$28.95 per box

MAX® *The highest rated ear plug available!*



MAX pre-shaped foam ear plugs feature a smooth outer skin for maximum user comfort. The NRR 33 rating makes MAX the highest rated ear plug available. The smooth, soil-resistant skin helps prevent foreign material from penetrating the surface while rolling prior to insertion. Attenuation tested in accordance with ANSI S3, 19-1974. Noise reduction rating NRR33 db, SNR 34 dB. Orange color.

MAX-1-EA	Single un-corded pair.....	\$0.25 per pair
MAX-1C-BX	Corded Box of 100 pair	\$32.50 per box
MAX-1C-EA	Single Corded Pair	\$0.35 per pair
MAX-1-BX	Uncorded Box of 200 pair	\$34.75 per box

RADIANS DEVIATOR™ FOAM EARPLUGS



Radians Made in the USA disposable foam earplugs feature soft, slow-recovery foam for extreme comfort and outstanding noise reduction to protect your hearing. They are easy to roll down and insert, and they expand slowly for a low-pressure fit in virtually any size ear canal. They are available in a corded and uncorded options and are conveniently packaged in individual polybags to keep each pair clean.

- Bell Shape.
- PVC Dielectric Cord.
- Meets ANSI S3.19-1974 standards.
- NRR 33 dB

FP80-EA	Single un-corded pair.....	\$0.25 per pair
FP80-BX	Uncorded – 200 Pair	\$27.95 per box
FP81-EA	Single Corded Pair	\$0.25 per pair
FP81-BX	Uncorded Box of 100 pair	\$28.95 per box



QUIET (NRR 26) is a reusable foam ear plug that requires no rolling prior to insertion. Insert using the built-in flexible foam stem. Washes with soap and water for weeks, or even months of protection. Attenuation in accordance with ANSI S3, 19-1974. Noise reduction rating NRR 26dB, SNR 28 dB. Orange color. Packaged in clear flip-top boxes

250235-EA (QD30)	Single Corded Pair	\$0.85 per pair
250235-BX (QD30)	Corded Box of 100	\$68.95 per box

250234-EA (QD01)	Single Uncorded Pair	\$0.50 per pair
250234-BX (QD01)	Uncorded Box of 100.....	\$41.95 per box

LASER LITE® EARPLUGS



Laser Lite (NRR 32) is the multi-color ear plug that workers love to use. The non-irritating, non-allergenic self-adjusting foam recovers to fit virtually any ear canal. Laser Lite is ideal for that portion of the population with smaller ear canals. Attenuation tested in accordance with ANSI S3, 19-1974. Noise reduction rating NRR 32 dB, SNR 35 dB. Red/yellow color, packed in poly bags.

LL-1-BX	Uncorded/Box of 100 pairs.....	\$28.95 per box
LL-30-BX	Corded/Box of 100 pairs.....	\$25.75 per box

RADIANS DETOUR FOAM EARPLUGS



- Comfortable Wing Shape.
- Offers a comfortable fit for virtually any ear canal.
- Extremely Soft Foam Plug.
- Provides a comfortable, low-pressure fit.
- MADE in USA
- PVC Dielectric Cord.
- Meets ANSI S3.19-1974 standards.
- NRR 32 dB

FP30-BX	Uncorded – 200 Pair	\$22.50 per box
FP31-BX	Corded – 100 Pair	\$23.50 per box

AIRSoft Reusable Earplugs

The pocket of air in the center of each Airsoft provides exceptional comfort. Soft flanged design is easy to insert and clean for economic reuse. Corded. Sold by the pair. NRR 27



DPAS-30R-EA	Red.....	\$1.50 per pair
AS-30R-EA	Red, W/Case.....	\$1.55 per pair



DPAS-30W-EA	White	\$1.50 per pair
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E-A-R EAR PLUGS



ULTRA FIT EAR PLUGS TRIPLE FLANGE DESIGN

- Triple flange design hugs ear canal & increases attenuation
- Washes clean for reuse
- NRR 21

340-4002-EA (Single pair)	
Corded with case.....	\$1.75 per pair
340-4002-BX (Box of 50 pair)	
Corded with case.....	\$81.95 per box
340-4004-EA (Single pair)	
Corded-no case	\$1.50 per pair
340-4004-BX (Box of 100 pair)	
Corded-no case	\$134.50 per box



EXPRESS™ POD PLUGS™

- Grip Design eliminates the need to touch the plug reducing the chance of contamination
- Foam pod provides the comfort and low sound distortion
- Assorted colors
- NRR 25

311-1114	
Corded - 100 pair/box	\$95.50 per box
321-2200	
UnCorded - 100 pair/box.....	\$58.95 per box



Taperfit® 2 FOAM EAR PLUGS

- Available in two sizes, regular and plus
- Tapered shape makes insertion & removal easy, and self-adjusting foam creates a comfortable and effective seal
- NRR 32

312-1219	
Regular Size, UnCorded - 200 pair/box	\$31.50 per box
312-1223	
Regular Size, Corded - 200 pair/box.....	\$59.50 per box
312-1224	
Plus Size, UnCorded - 200 pair/box.....	\$60.95 per box



E-Z FIT® FOAM EAR PLUGS

- Specifically designed to provide extra comfort and optimum protection in smaller ear canals
- Self-adjusting foam and bell shape insert easily and fit comfortably within the ear canal
- NRR 28

312-1208	
UnCorded - 200 pair/box.....	\$31.50 per box
312-1222-PR	
Corded - Sold by pair	\$0.40 per pair
312-1222	
Corded - 200 pair/box	\$59.95 per box

DOWNLOAD A DIGITAL COPY OF OUR CATALOG AT WWW.CSPCATALOG.COM

E-A-R PUSH-IN EARPLUGS



- Insertion stem ensures quick and easy fitting with no roll down
- Optimal protection at 38 dB
- Soft pliable foam body offers maximum comfort and seal.
- Corded

318-1003-EA	
Single pair.....	\$0.65 per pair
318-1003-BX	
200 pair/box.....	\$98.95 per box
318-1001	
100 pair/box.....	\$58.50 per box



CLASSIC™ FOAM EAR PLUGS

- Soft polymer foam expands in ear for comfortable custom fit
- Bright yellow color makes compliance easy
- Available in pillowpack uncorded and polybag corded and uncorded
- NRR 29



310-1001-EA (Single pair)	
Un-Corded, pillowpack.....	\$0.20 per pair
310-1001-BX (Box of 200 pair)	
Corded, pillowpack.....	\$30.95 per box
311-1101-BX (Box of 200 pair)	
Corded, polybag	\$58.95 per box

ONE TOUCH™ EAR PLUG DISPENSER



3M™ One Touch™ plastic earplug dispenser provides access to workers on the move and the base can be re-stocked with refills. The no waste funnel permits re-use of both the base and the bottle and it can be used on a tabletop or wall mounted with easy access. Dispenser has a flexible design and can hold a range of refill bottles including Classic™, SuperFit™, SuperFit 30™, E-A-Rsoft™ Regular, E-A-Rsoft™ Large and E-A-Rsoft™ Blast™ earplugs. *Earplugs sold separately.*

CAS391-1000



CAS391-1001



CAS391-1004

CAS391-1000	
Plastic Ear Plug Dispenser	\$33.95
CAS391-1001	
500ct Classic™ One Touch™ Ear Plugs Refill	\$79.95
CAS391-1004	
500ct E-A-Rsoft™ Ear Plugs Refill.....	\$64.95

EAR PLUGS



BLUE FOAM EARPLUGS

ELVEX Blue is a plug for today's demands. It meets the requirements of both users and safety and health professionals:



- Excellent attenuation, 29NRR
- Visually easy to monitor
- One size fits all, easy to insert
- Slow expansion time for easy insertion
- Comfortable low pressure foam

EP-251 Uncorded Box of 200 \$24.95 per box
EP-253 Corded Box of 100..... \$25.95 per box

QUATTRO EARPLUGS

Elvex Quattro is a universal size reusable ear plug, designed to be used over and over again, with maintained comfort and effectiveness.



- A four flange design that allows this ear plug to fit almost all ear canals. An ultra-soft polymer provides a comfortable and effective seal.
- A sturdy and stiff handle that allows an easy grip for insertion and removal.
- Material is resistant to ear wax and body oils and will outlast PVC ear plugs by many months.
- Polymer is non-allergenic & non-irritating to the sensitive skin in the ear canal.
- Noise Reduction Rating is 25 dB

EP-411-EA (Single pair, poly bag) \$1.00 per pair
EP-411 (Corded, Box of 100 pair)..... \$86.25 per box
EP-412 (Single pair, with case and chain)..... \$1.50 per pair
EP-412-BX (Corded, 50 pair, with case & chain) \$61.95 per box

Every year, approximately 30 million people in the United States are occupationally exposed to hazardous noise. Noise-related hearing loss has been listed as one of the most prevalent occupational health concerns in the United States for more than 25 years. Thousands of workers every year suffer from preventable hearing loss due to high workplace noise levels. Since 2004, the Bureau of Labor Statistics has reported that nearly 125,000 workers have suffered significant, permanent hearing loss. In 2009 alone, BLS reported more than 21,000 hearing loss cases. Exposure to high levels of noise can cause permanent hearing loss.

~Information courtesy of www.osha.gov



PURA-FIT™ SOFT FOAM EAR PLUGS



High NRR33 rating is suitable for most industrial environments. Tapered for easy insertion in any size ear canal. Made from softer foam with a non-irritating, smooth surface for comfort. Longer length for easy fitting and removal. Bright green color for easy compliance.

6800-EA (Uncorded) \$0.30 per pair
6800-BX (Uncorded) \$31.95 per box of 200

6900-EA (Corded) \$0.40 per pair
6900-BX (Corded) \$32.95 per box of 100

PURA-FIT® PLUGSTATION®



Give workers easy access to hearing protection. High visibility dispenser increases awareness for your hearing conservation program. Affordable enough to be placed near every work area. Clicking mechanism ensures easier use and dispensing. Contains 250 pair.

6844-BX \$44.95 per box

SPARKPLUGS MULTI-COLOR SOFT FOAM EAR PLUGS



Fun-colored SparkPlugs are sure to put some spark into your hearing protection program. Every package reveals two different colored SparkPlugs. The soft-foam, tapered design snugly, yet comfortably, seals the ear canal. High NRR 31 rating is suitable for most industrial environments. Bright, fun colors provide for easy compliance checks.

6654-BX Corded Box of 100 pair \$29.95 per box
6604-BX Cordless Box of 100 pair \$30.95 per box

SPARKPLUGS PLUGSTATION®



Give workers easy access to hearing protection. High visibility dispenser increases awareness for your hearing conservation program. Affordable enough to be placed near every work area. Clicking mechanism ensures easier use and dispensing. Contains 250 pair.

6645-BX 500 count dispenser \$76.95 each

JAZZ BAND SEMI-AURAL HEARING PROTECTOR



A comfortable alternative to ear muffs, Jazz Band features an optional breakaway neck cord that allows it to conveniently hang around the neck when not in use. Designed to be worn without interfering with safety glasses. The soft foam pods gently cap the ear canal, providing maximum comfort. Packaged with spare pods.

6506 \$6.75 each



ELVEX EQUALIZER 26

Elvex Equalizer muff may be the ultimate compromise of comfort and performance. The Equalizer maximizes speech communication in moderate noise environments. Additional features:



- 26 dB Certified NRR to ANSI S3, 19-1974
- 30 dB Certified SNR to EN 352-1
- Flexible inner headband aligns automatically to the shape of the head
- Fully dielectric construction
- Low equalized headband force
- Lightweight construction, 7.4 oz
- Flexible Polyurethane suspension for automatic alignment and noise insulation

HB-2000\$15.95 per pair

ELVEX VALUEMUFF

Most buyers and users of ear muffs are looking for a product that offers great looks, good comfort, and attenuation at a reasonable price. The following features needed and wanted by most buyers are offered in the ValueMuff:



- Soft and pliable SuperSeal™ cushions
- Low headband force, 2.4 lbs
- Lightweight 6.8 oz.
- Easy adjustment with flexible side clips
- Capable of multi-position use
- Dielectric construction
- Sophisticated design
- Competitively priced
- Great Noise Reduction Rating, 25 dB NRR from certified laboratory

HB-25\$11.50 per pair

ELVEX QUICK SNAP™ CAP MOUNT EAR MUFFS

Elvex QuickSnap cap mount ear muffs feature high noise reduction properties, dielectric construction and the ability to combine the cap mount ear muffs with a full range of face protection products.



Features include:

- Independently certified dielectric construction
- Lightweight construction
- Two integrated rest positions. Flip out muffs for short term break, or flip them up for permanent storage on top of safety cap
- Arm assembly with universal blade mounts to most slotted safety caps. Blade is an integrated part of the muff arm assembly, resulting in no additional parts to purchase
- Removable slotfiller for narrower slots (MSA)

HM-2093\$13.25 per pair

ELVEX SUPERSONIC 29

Elvex SuperSonic muff is one of only a few ear muffs that have achieved a 29 dB NRR rating at an independent and certified laboratory in accordance with ANSI S3.19.1974. Superior performance has been achieved in these measurable criteria:



- Lowest weight in its class: 8.9 ozs
- Lowest headband force in its class
- Pressure equalizing headband provides even fit and seat for a wide variety of facial configurations and sizes
- SuperSeal™ ear cushion provides outstanding seal and comfort
- Flexible suspension allows muffs to automatically adjust to facial shape
- Dielectric construction for environments with exposure to high voltage situations

HB-5000\$17.95 per pair



QM24 QUIET MUFF

This 3-position ultra-lightweight ear muff is rated NRR24, and weighs only 6 ozs. for comfort during prolonged wear. The high visibility red cups and black band ad style to an extremely functional ear muff. Supplied with an adjustable crown strap for a secure fit when worn behind the head or under the chin. Low cost cushions are easily removed for replacement and cleaning.



QM24\$7.95 per pair



LIGHTWEIGHT, COMFORTABLE ALTERNATIVE TO EAR MUFFS



QB2 QUIET BAND (NRR 25) is a lightweight, very comfortable alternative to ear plugs or ear muffs. Compact design allows for shirt pocket storage when not in use. At NRR 25, QB2 is the highest rated hearing band available, and even higher than many inexpensive ear muffs. Reusable flexible soft foam pads that when washed

with soap and water will give months of use. Replacement pads (QB200) are available. Attenuation tested in accordance with ANSI S3, 19-1974. Orange color pads with silver/blue band.

QB2\$5.95 per pair

QB200-EA (Replacement Pads)\$2.95 per pair

EAR MUFFS/KNEE PADS



OPTIME 95 - BEHIND-THE-HEAD EARMUFF

- Low profile earcups that fit well with most helmets and other safety equipment
- Earcup pivot points that tilt for optimum comfort and efficiency
- Stainless steel construction resists bending and warping
- Ultra-light liquid/foam filled earmuff cushions
- NRR 21dB



H6BV\$15.50

OPTIME 101 - BEHIND-THE-HEAD EARMUFF

- Stainless steel band distributes weight for low-pressure fit
- Earcup pivot points that tilt for optimum comfort and efficiency
- Liquid/foam filled earmuff cushions
- NRR 26 dB



H7B\$19.95

OPTIME 105-HELMET ATTACHABLE EARMUFF

- Proprietary Twin-Cup™ design has soft, foam-filled earmuffs that tilt for optimum comfort and efficiency
- Easy cap-mount design
- NRR 27dB



H10P3E\$28.95

HOW LOUD IS TOO LOUD?

Noise is measured in units of sound pressure levels called decibels, named after Alexander Graham Bell, using A-weighted sound levels (dBA). The A-weighted sound levels closely match the perception of loudness by the human ear. Decibels are measured on a logarithmic scale which means that a small change in the number of decibels results in a huge change in the amount of noise and the potential damage to a person's hearing.

OSHA sets legal limits on noise exposure in the workplace. These limits are based on a worker's time weighted average over an 8 hour day. With noise, OSHA's permissible exposure limit (PEL) is 90 dBA for all workers for an 8 hour day. The OSHA standard uses a 5 dBA exchange rate. This means that when the noise level is increased by 5 dBA, the amount of time a person can be exposed to a certain noise level to receive the same dose is cut in half.

The National Institute for Occupational Safety and Health (NIOSH) has recommended that all worker exposures to noise should be controlled below a level equivalent to 85 dBA for eight hours to minimize occupational noise induced hearing loss. NIOSH has found that significant noise-induced hearing loss occurs at the exposure levels equivalent to the OSHA PEL based on updated information obtained from literature reviews. NIOSH also recommends a 3 dBA exchange rate so that every increase by 3 dBA doubles the amount of the noise and halves the recommended amount of exposure time.

~Information courtesy of www.osha.gov

FLEXKNEE PADS

Lightweight knee pads have abrasion resistant, flexible rubber caps backed by soft foam padding for increased comfort and durability, and feature a durable fabric cover.



- Flexible caps resist cracking
- Strong, lightweight construction
- Wide, adjustable Velcro snaps

7103\$19.65 each

PROFLEX® 345 LONG CAP INJECTED GEL KNEE PAD

- 100% Injected Gel and PU foam for all-day comfort and maximum durability
- Patented suspension cap redirects pressure away from the patella
- Patented cap shape delivers stability on all terrain and surfaces
- Long cap design provides full coverage protection
- 3-strap design: two bottom webbing and top elastic keep knee pad in position
- Stitched-in plastic clip adjustment allows for unlimited variability
- Silicone-free



ERG345 Black\$59.95 each

DISPOSABLE GLOVES

KIMBERLY CLARK PURPLE NITRILE™ GLOVES

- Latex Free
- Powder Free
- Textured Fingertips
- 9-1/2" Length
- Ambidextrous
- Single Use Only
- 6 mil thickness
- Textured fingertips, beaded cuff
- Meets NFPA Standards 1999:2008



52001-S	Small	.....	\$16.50 per box
52002-M	Medium	.....	\$16.50 per box
52003-L	Large	.....	\$16.75 per box
52004-XL	X-Large	.....	\$16.75 per box

BEST® N-DEX® NITRILE DISPOSABLE GLOVES

- Rolled cuffs
- Ambidextrous
- 100 gloves per dispenser



N-DEX® ORIGINAL			
783132	7005 -- 4 mil, Large	.....	\$18.00 per box
783133	7005 -- 4 mil, X-Large	.....	\$18.00 per box
N-DEX® PLUS			
783128	8005 -- 8 mil, Large	.....	\$18.00 per box
783131	8005 -- 8 mil, Medium	.....	\$18.00 per box
783129	8005 -- 8 mil, X-Large	.....	\$18.00 per box

SENSAGUARD LATEX GLOVES

- Component materials comply with FDA regulations for food contact
- Ambidextrous
- Non-sterile
- Industrial /Food Grade
- Disposable
- 5 mil Latex
- 100 gloves per box



5054-SZ	4 mil, Powder-Free	.....	\$7.95 per box
5060-SZ	5 mil, Powdered	.....	\$9.95 per box

* Please specify size when ordering.

NITRISHIELD® PREMIUM NITRILE GLOVES

- Textured finish for better grip
- Resistance to a wide variety of chemicals
- Latex Free
- Textured
- 100 gloves per box
- Industrial/Food Service Grade



6015-SZ	4 mil, Blue, Powder Free	.....	\$10.95 per box
6020-SZ	w/Powder, X-Large	.....	\$10.95 per box
6060-SZ	3 mil, Black, Powder Free	.....	\$10.95 per box

DURASHIELD NITRILE GLOVES

Made of synthetic latex, contains no latex proteins and offer excellent resistance to punctures and tears. Three times more puncture resistant than rubber and can be used to offer superior resistance to many types of chemicals. The 6004 is an economy industrial / food service grade powder free nitrile glove that measures 8 mil in thickness and is 9.5 inches in length.



6004-SZ	\$10.95 per box
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*Please specify size when ordering.

MICROFLEX® ULTRA ONE® LATEX GLOVES

Microflex® Ultra One® Gloves made from non-sterile, ambidextrous 9.8 mil natural latex material providing high durability and safety. 11.8" gloves are ideally designed to provide excellent tactile sensitivity and grip with less hand fatigue. Strong, durable and comfortable, with extra coverage over the wrist and forearm. Extended beaded cuff, powder-free polymer inner coating and textured finger finish. 50 pair per box



UL315-XL	X-Large	\$16.95 per box
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COATED/DIPPED GLOVES

PIP ARMORTUFF®, BLUE NITRILE GLOVES W/SAFETY CUFF

- Provides protection from physical hazards such as cuts, punctures, snags and abrasions
- Armor™ Series gloves feature a unique combination of low-coating deposit weight and high abrasion resistance and provide the wear of heavier, bulkier nitrile coated gloves without sacrificing flexibility and tactile sensitivity
- ActiFresh™ treated to reduce germs and odors
- Blue nitrile coating on cotton jersey liner
- Comfortable and flexible
- Provides excellent dexterity and grip
- Launderable
- Resistant to grease and oils



56-3154	\$3.50 each
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SPERIAN PURE FIT® GENERAL PURPOSE GLOVES

13 cut, lightweight black nylon liner with gray polyurethane palm coating.



PF550-S	Small	.....	\$5.50 per pair
PF550-L	Medium	.....	\$5.50 per pair
PF550-XL	X-Large	.....	\$5.50 per pair

BLACKJACK® MULTI-DIPPED GLOVES

Black Jack® calls 'all in' and takes the hand. The protection you get from these bad boys is a notch above anything else you'll find in the industry. Awesome grip, protection, and performance.



6944	14", Etched Finish, High Heat (up to 600°F), Foam Lined	....	\$10.95 pair
6948	18", Smooth Finish, ActiFresh, Gauntlet Cuff	.....	\$14.95 pair
6950	31", Shoulder Length, Smooth Finish, Fully Coated	.....	\$48.95 pair

WE CARRY THE FULL LINE OF MEMPHIS GLOVES. CALL FOR DETAILS.

GLOVES

FLEXTUFF® LATEX DIPPED GLOVES

Top selling FlexTuff® gloves are manufactured on seamless knit liners that are flat dipped to reproduce the natural curved shape of the hand. As a result, workers benefit from less hand fatigue and greater productivity while performing detailed tasks to heavy duty jobs.

- 10 Gauge
- Natural rubber provides abrasion resistance
- Cotton/Polyester Shell
- Textured palm dip for extra grip and durability
- Sizes Small-XL



96883-SZ	FlexTuff III, Gray Crinkle Latex Dipped.....	\$1.95 per pair
9688-SZ	FlexTuff II, Gray Latex Dipped.....	\$2.50 per pair
FT350-SZ	FlexTuff Nitrile, Gray, Green Nitrile Dipped ...	\$1.95 per pair
9680-SZ	FlexTuff, Blue Latex Dipped.....	\$2.95 per pair

NITRI-CHEM® FLOCK-LINED NITRILE GLOVES

- S-XL
- Nitri-Chem 15 mil
- Flock Lined Nitrile
- Diamond Grip
- 13 Inch Length
- Heavy Duty Non-Slip Grip
- Straight Cuffs
- Materials Comply with FDA Regulations for Food Contact



5319-SZ	Size 8 or 9.....	\$2.25 per pair
5320-10	Size 10.....	\$2.25 per pair

NEOMAX DOUBLE DIPPED NEOPRENE GLOVES

- S-XL
- 12"
- Remains flexible in refrigerated areas
- Treated with Actifresh®
- Double-dipped neoprene with sandy finish
- 100% cotton interlock liner
- Feel and flexibility of rubber with more versatility
- Provides protection against abrasion, cuts and hazardous chemicals



6912-SZ	\$6.95 per pair
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NORTH WORKKNIT HD GLOVES

Cut and sewn nitrile coated gloves for men. Brown slip-on with black stripe. M-XL



3729-SZ	\$6.75 per pair
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PREDATOR THICK PREMIUM NITRILE GLOVES

- Treated with Actifresh®
- Launderable
- 100% Cotton jersey lining for comfort, even at low working temperatures
- Cut, abrasion, snag and puncture resistance



9760	Palm Coated.....	\$3.50 per pair
9760R	Extra Rough Palm Coating.....	\$4.65 per pair
9761	Fully Coated.....	\$4.25 per pair
9761R	Extra Rough Full Coating.....	\$4.75 per pair

9760

9761

NINJA® GLOVES

Ninja® series gloves include a unique shell and polymer combination incorporating the latest in hand protection technology. The Ninja® Glove Line offers the greatest assortment of dexterity, sense of touch, and protection. Sizes Small –XL. Please specify size when ordering.



N9699



N9680

N9690



N9690HV



N96793

NINJA® ICE - 7 gauge acrylic terry liner on the inside and a 15 gauge nylon liner with HPT coating on the outside.

N9690-SZ.....	\$7.25 per pair
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NINJA® FLEX - A 15 gauge 100% nylon shell with a crinkle latex coating providing superb flexibility, elasticity, and durability.

N9680-SZ.....	\$3.15 per pair
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NINJA® ICE - Hi-Vis 15 Gauge Lime nylon, Acrylic Terry Inner, 3/4 HPT coated

N9690HV-SZ.....	\$7.45 per pair
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NINJA® BNF - 15 Gauge nylon/spandex shell, BNF over the knuckle coated

N96793-SZ.....	\$3.95 per pair
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NINJA® HPT - 15 Gauge Black Nylon Shell, HPT Coated Palm and Fingertips

N9699-SZ.....	\$2.95 per pair
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MEMPHIS™ NITRILE COATED GLOVE

Well-suited for Multi-Industrial applications that require high dexterity and comfort. Features 13 gauge nylon with gray flat nitrile palm and fingers.



9679-SZ	Small or Medium.....	\$3.50 per pair
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9679-L	Large.....	\$4.00 per pair
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MAXI-FLEX® ULTIMATE™ GLOVES

Designed and developed as a breathable glove, MaxiFlex® Ultimate™ has become the benchmark for precision handling in dry environments. 3/4 Dipped. S-XXL.



34-875-SZ.....	\$4.95 per pair
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WE CARRY THE FULL LINE OF MEMPHIS GLOVES. CALL FOR DETAILS.

*Please specify size when ordering.

GLOVES

SINGLE DIPPED PVC GLOVES

- Interlock lined
- Fully coated
- Rough or smooth finish
- Generous sizing



6100	Knit Wrist.....	\$1.50 per pair
6212-12	12" Gauntlet.....	\$1.95 per pair
6300-14	14" Gauntlet.....	\$2.25 per pair
6218-18	18" Gauntlet.....	\$2.95 per pair

DOUBLE DIPPED PVC GLOVES

- Interlock and jersey linings
- Fully coated
- Sandy finish
- Generous sizing
- Jersey knit wrist



6512SJ	12" Gauntlet.....	\$2.75 per pair
6514SJ	14" Gauntlet.....	\$2.95 per pair

PREMIUM GREEN PVC GLOVES

- Double-dipped sandy finish
- Flexible
- Non-slip grip in wet or dry applications
- Soft jersey linings
- Treated with Actifresh®
- Maximum resistance to oils and solvents, petrochemicals and refining



6412G	Knit Wrist	\$3.75 per pair
6414	14" Gauntlet.....	\$4.25 per pair

BEST® NEOGRAB™ NEOPRENE GLOVES

- Caustic, oil, grease and solvent-resistant
- Rough finish to assure a good grip
- Sanitized to resist effects of perspiration, mold and mildew



6780R	12" Gauntlet.....	\$7.25 per pair
6784R	14" Gauntlet.....	\$8.75 per pair
6797R	Elbow Length.....	\$11.75 per pair

BEST® NEOGRAB™ INSULATED NEOPRENE GLOVES

- Triple layer construction with foam insulation
- 100% cotton lining
- Protects from both cold and intermittent heat
- NeoGrab™ rough finish resists oils & greases
- 12" Gauntlet Cuff



6781R.....	\$11.95 pair
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MEMPHIS™ PU COATED NYLON GLOVES

Economy PU coated Nylon provides good tactile sensitivity, dexterity, and abrasion resistance. Made without Silicone.

- 13 gauge black nylon shell
- Black PU coated palm and fingertips
- Color coded hem to identify sizes
- CE score 2121
- XS - XXL



9669-SZ	\$1.95 pair
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CHEM-TECH NEOPRENE OVER LATEX GLOVE

Thick, waterproof, and an effective replacement for latex and vinyl products. Neoprene is a synthetic rubber that maintains flexibility over a wide range of temperatures. 28 mil blue neoprene over yellow latex, flock lining, and straight cuff.



5409S	Large.....	\$2.50 per pair
5400S	X-Large.....	\$2.50 per pair

CUT-RESISTANT GLOVES

RINGERS KNIT CUT 5 SANDY NITRILE DIP GLOVES

- Soft nitrile foam dip
- Durable and breathable knit shell
- Superior grip on wet and dry surfaces
- Excellent dexterity for all working conditions
- High visibility finger, TPR, and palm for increased safety
- CE rated level 5 cut resistance and level 3 puncture resistance
- TPR impact protection on top of hand and full length of fingers
- Small thru XX-Large



065-SZ	\$21.99 per pair
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GRIP SHARP™ KEVLAR® GLOVES

- DuPont™ Kevlar® brand fiber for high tensile strength relative to its weight-up to five times stronger than steel
- Will not melt, ignite or conduct electricity
- High comfort level
- Allows manual dexterity
- 100% Kevlar® Brand Fiber Shell
- Leather Palm



9686-L	Men's Large	\$16.95 per pair
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FLEX TUFF® KEVLAR® GLOVES

- CE score 3443
- High comfort level
- Allows manual dexterity
- Textured blue latex coating
- Will not melt, ignite or conduct electricity
- DuPont™ Kevlar® brand fiber for high tensile strength relative to its weight-up to five times stronger than steel
- Sizes S-XL



9687-SZ	\$9.95 per pair
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RINGERS ROUGHNECK GLOVES

- TPR impact protection on top of hand and full length of fingers
- High Visibility for Increased Safety
- CE Rated 4232, Level 2 Cut and Puncture Resistance
- TefLoc Grip System on Palm & Fingers Resists Oil & Enhances Grip
- Extended Neoprene Wrist Closure with SuperCuff Technology
- Sizes S-XL



276-SZ	\$33.25 per pair
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*Please specify size when ordering.

GLOVES

ULTRATECH DYNEEMA GLOVES

One of the most distinguishing Dyneema® characteristics is its cool-to-touch property. Dyneema® fiber's inherent ability to dissipate body heat and pass moisture from inside of the glove to the outside, results in longer wear time which promotes greater hand protection.

- Seamless Knit
- High comfort level
- Allows manual dexterity
- Washable
- XS-XL

9676-SZ\$12.75 per pair



MEMPHIS KEVLAR® GLOVES

- Launderable
- Will not melt, ignite or conduct electricity
- High comfort level
- Allows manual dexterity
- Use as gloves or glove liners
- 100% Kevlar®
- Regular Weight
- All 100% Kevlar® brand fiber non-coated styles are made with FDA-accepted materials for use in food processing applications
- DuPont™ Kevlar® brand fiber for high tensile strength relative to its weight-up to five times stronger than steel.

9365-L One-Sided Dots, Large \$6.50 per pair
 9370H-S Two-Sided Dots, Small..... \$6.95 per pair
 9370H-L Two-Sided Dots, Large..... \$6.95 per pair



ULTRATECH® NITRILE KEVLAR GLOVES

13 gauge stretch Kevlar® shell and light foam nitrile palm and fingertips give you a softer and more flexible option in cut protection. Treated with Actifresh® to help prevent odor and bacteria. Small – 2XL

9693-SZ \$7.25 per pair



KS-5™ DUPONT™ KEVLAR LATEX GLOVES

13 Gauge, combines DuPont™ Kevlar® and Stainless Steel construction to deliver CE cut level 5 protection. Black latex dip palm and fingers. A textured latex coating provides an enhanced grip and puncture protection. Provides higher levels of cut protection with enhanced grip in a lightweight, high dexterity shell. Small - XL

9389-SZ\$15.85 per pair



HEXARMOR CHROME SERIES MECHANICS GLOVES

SuperFabric® brand material palm provides ISEA level 5 cut resistance and maintains the highest level of protection available in the industry. Synthetic leather palm provides reliable grip in dry or light oil situations, while increasing abrasion resistance. Cut level 5 SuperFabric® technology knuckle patch reduces abrasion to back-of-hand. Interior seams implement a double-stitched core-spun thread, adding further durability and longevity. Velcro® wrist closure secures fit and maximizes comfort. Machine washable. Size L - XL

4018-SZ\$43.95 per pair



BEST NITTY GRITTY GLOVES

Cut resistant and recyclable. Ideal for handling sharp-edged objects such as glass, sheet and scrap metal, and tin plate, as well as slippery or smooth materials or abrasive objects like lumber, tile, concrete block and brick. Natural Rubber Coating.

66NFW Safety Cuff\$5.25 per pair



MEMPHIS KEVLAR® SLEEVES

- Will not melt, ignite or conduct electricity
- High comfort level
- CPPT score of 3
- All 100% Kevlar® brand fiber are made with FDA-accepted materials for use in food processing applications

9378T-EA Single Sleeve\$4.95 sleeve



18 oz. GLOVES

18 OZ DOUBLE PALM GLOVES

Perfect for those applications requiring protection from low heat. Two layers of fabric quilted together for additional wear and low temperature protection.

- Red-stitched
- Straight thumb

18 oz. Nap-In Double Palm Cord Knit Wrist, 100% Cotton

9018CDG Green, Ribbed \$2.05 per pair
 9018CDY Yellow, Ribbed..... \$2.05 per pair
 9018CDO Orange, Ribbed \$2.05 per pair
 9018DY Hi-Viz Yellow w/PVC Dots..... \$2.50 per pair

Nap-In, Corded, Knit Wrist, Cotton/Poly Blend

9018CDPC White \$2.05 per pair
 9018CCDG-BLEND Hi-Viz Green \$19.95 per dozen
 9018CDO-BLEND Orange \$19.95 per dozen



**WE CARRY THE FULL LINE OF
HEXARMOR. CALL FOR DETAILS.**

IMPACT GLOVES

HEXARMOR GGT5® MUD GLOVE

- Made with SuperFabric® brand material
- Highest cut-resistance, exceeds ISEA & CE level 5
- Puncture protection
- Mud Grip synthetic leather palm with PVC dots works well in light/medium oil based mud
- Impact protection on back of hand and fingers reduces risk of contusion and crush
- Enhanced impact protection with increased coverage, softer and more flexible TPR increases absorption of impact
- TP-X™ palm and thumb area with abrasion-resistant PVC dots for maximum grip
- Hi-visibility coloring for easier signaling and compliance
- Launderable



4021-L	Large (Size 9)	.....	\$49.95 per pair
4021-XL	X-Large (Size 10)	.....	\$49.95 per pair
4021-XXL	X-Large (Size 11)	.....	\$55.95 per pair

HEXARMOR CHROME SERIES CUT 5 IMPACT GLOVES

- Made with SuperFabric® brand material for the highest cut resistance available on the market, exceeds ISEA and CE Level 5
- Back of hand impact protection
- Synthetic leather palm enhances grip while providing dexterity to utilize tools and equipment
- Abrasion-resistant PVC dots for maximum grip in oily situations
- Hi-Vis color and reflective tape on back of hand
- Oil resistant
- Launderable



4026-L	Large (Size 9)	.....	\$38.25 per pair
4026-XL	X-Large (Size 10)	.....	\$38.25 per pair
4026-XXL	XX-Large (Size 11)	.....	\$43.85 per pair

OGRE IMPACT GLOVES

- 13-Gauge
- High Visibility Polyester Shell
- Black Sandy Nitrile Palm Coating
- Thermo-Plastic Rubber (TPR) Finger and Back of Hand Protectors
- Thumb Crotch Reinforcement
- Interior Foam Palm Padding
- CE/EN388: 4241
- Sizes: S - 2XL



7735-SZ	\$18.95 per pair
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X10 KNUCKLEHEAD GLOVES

- Synthetic Leather Palm
- Elastic Wrist
- High Visibility Orange
- Size M – 2XL



21242HO-SZ	\$17.95 per pair
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MULTI-TASK GLOVES

MEMPHIS MULTI-TASK GLOVES



- High Dexterity
- Various grip options
- Utilize star fabric to maximize comfort, breathability, and fit.
- Comfort, durability, launderable, breathable, and light-weight



908

924

Black synthetic leather palm with red silicone wave grip on the palm, TPR on back. Sizes S-2XL available

908-SZ	\$21.75 per pair
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Synthetic Palm with Padding, Adjustable Wrist Closure, Black PVC Grip on Palm and Fingertips, Black Terrycloth Thumb, 2 LED lights. Sizes S-XL available

924-SZ	\$17.50 per pair
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FASGUARD™ GLOVES

Fasguard™ multi-task gloves are constructed from an assortment of premium materials. Clarino® and synthetic leathers improve hand protection by providing greater functions and feel by being more soft and flexible than traditional materials. These synthetic materials are also more environmentally friendly than chrome tanned leather.



901

- Nylon Spandex® back for a snug fit
- Leather and synthetic leather styles available
- Adjustable wrist closures
- Lined styles provide additional warmth
- May be used as driving gloves



900

Clarino® Parity Synthetic Leather Palm, Blue Spandex® Back, Adjustable Wrist Closure

900-M	Medium	.....	\$15.95 per pair
900-L	Large	.....	\$15.95 per pair

Premium Grain Deerskin Palm, Black Spandex® Back, Adjustable Wrist Closure

901-M	Medium	.....	\$15.95 per pair
901-L	Large	.....	\$15.95 per pair
901-XL	X-Large	.....	\$15.95 per pair
901-2XL	2X-Large	.....	\$15.95 per pair

ERGODYNE SQUIDS® GLOVE CLIP

- Clips to belts, tool belts, pants and other clothing
- Detachable, usable with biners, D-rings, etc.
- Breakaway feature
- Dielectric / non-conductive material
- Durable, ultra-resilient acetal copolymer
- Patented design



19122	Black	\$3.25 each
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GLOVES

STRING-KNIT GLOVES

MULTI-PURPOSE STRING GLOVES



- 7 Gauge
- Economy Weight
- Use as gloves or glove liners



9636-S	Small.....	\$4.75 dozen
9636-M	Medium.....	\$4.75 dozen
9636-L	Large.....	\$4.75 dozen

PVC DOTS STRING GLOVES



- 7 Gauge
- Cotton/Polyester
- Natural
- Hemmed



9658-L	Large, One-Sided Black PVC Dots	\$6.50 dozen
9667-L	Large, Two-Sided Dots w/Fingertips.....	\$9.25 dozen
9668-L	Large, Two-Sided Black PVC Dots	\$8.50 dozen

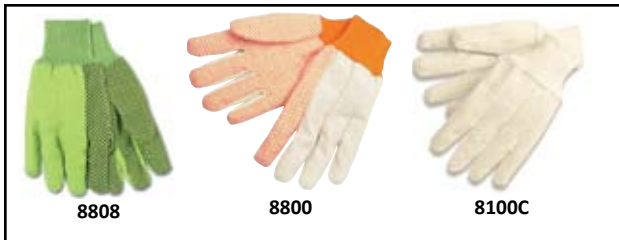
COTTON GLOVES

GENERAL PURPOSE COTTON CANVAS GLOVES

8 oz. Canvas, Dotted Palm, Index Finger & Thumb, Knit Wrist, Straight Thumb



8808G	Green	\$2.00 per pair
8808O	Orange	\$2.00 per pair
8808Y	Yellow	\$2.00 per pair



9 oz. Heavy Napped Canvas, Dotted Palm On Index Fingers & Thumb

8800	\$1.20 per pair
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10 oz. Heavy Napped Canvas, Dotted Palm On Index Fingers and Thumb Blaze Orange Dot Orange Knit Wrist

8800B	\$1.20 per pair
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8 oz. Cotton Canvas, Clute Pattern Straight Thumb

8100C	\$1.20 per pair
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BROWN JERSEY GLOVES

Brown jersey gloves have been used for generations as a light weight, comfortable option for light duty. Available in several options, the 7100 is a clute pattern glove. The cotton/polyester blend is excellent for laundering.

7100	Jersey Clute Pattern, Men's.....	\$1.50 per pair
7102	Jersey Clute Pattern, Ladies'.....	\$1.50 per pair
7810	Mini Dots, Men's	\$1.25 per pair
7812	Mini Dots, Ladies'	\$1.25 per pair
7900	Red Fleece Lined Jersey Gunn Pattern Straight Thumb	\$1.60 per pair
7100P	100% Cotton	\$9.95 per dozen

FR 100% COTTON, 18 OZ GLOVES

FR treated with two layers of 100% cotton cord fabric strengthen the critical wear area of the palm, thumb and index finger. The two layers have been quilted together for long wear, cushioning and insulation. The cotton canvas fabric offers good abrasion and barrier to grime. The clute pattern and cotton material provide a soft, flexible comfort. Knit wrist holds glove on snugly and keeps foreign particles out.



C431FRGN18M	Hi-Viz Green	\$2.50 per pair
C431FROR18M	Hi-Viz Orange.....	\$2.50 per pair
C431FRWH18M	Natural White.....	\$2.50 per pair



CHECK OUT THE PROTECTIVE CLOTHING SECTION FOR GLOVE LINERS, WATERPROOF GLOVES, MITTENS AND SOCKS!



7100 & 71008



7810



7900

DRIVER'S GLOVES

TILLMAN 1414 DRIVER'S GLOVES

- Great feel and overall value.
- Unlined.
- A Keystone thumb.
- Double stitching on forefinger provides extra strength.
- Top grain pearl cowhide palm, bourbon cowhide split leather back.
- XS-2XL



TIL1414-SZ..... \$9.95 per pair

GRAIN COW FULL LEATHER GLOVES

- Full leather gloves
- Premium grain leathers
- Slip-on cuffs
- Color-coded hem to identify size



Select Grade, Straight Thumb

3201-XS	X-Small	\$8.50 per pair
3201-S	Small	\$8.50 per pair
3201-M	Medium.....	\$8.50 per pair
3201-L	Large	\$8.50 per pair
3201-XL	X-Large	\$8.75 per pair

Keystone Thumb, Shirred Elastic Back, Select Grade

3211-XXL	XX-Large.....	\$9.95 per pair
3211-XXXL	XXX-Large.....	\$10.95 per pair

Wing Thumb, Unlined Style

3214-S	Small	\$8.25 per pair
3214-M	Medium.....	\$8.25 per pair
3214-L	Large	\$8.25 per pair
3214-XL	X-Large	\$8.75 per pair

Premium Grade Sewn w/ Kevlar®, Wing Thumb

3224-SZ	Small thru XL	\$15.75 per pair
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*Please specify size when ordering.

Premium Grade Cow, Red Fleece Lining, Straight Thumb

3250-S	Small	\$13.25 per pair
3250-M	Medium.....	\$13.25 per pair
3250-L	Large	\$13.25 per pair
3250-XL	X-Large	\$13.75 per pair



SPLIT LEATHER DRIVER'S GLOVES

- Slip-on cuffs
- Shirred elastic backs
- Premium Grade Keystone Thumb
- Color-coded hem to identify size



3110-S	Small.....	\$5.75 per pair
3110-M	Medium	\$5.75 per pair
3110-L	Large.....	\$5.75 per pair
3110-XL	X-Large.....	\$5.95 per pair

GRAIN GOATSKIN DRIVER'S GLOVES

- Grain kid goatskin
- Exceptional durability
- Available in a variety of styles
- Greater softness for sense of touch
- Excellent tensile strength
- Shirred Elastic Back
- Keystone Thumb



3611-S	Small	\$8.50 per pair
3611-M	Medium.....	\$8.50 per pair
3611-L	Large	\$8.50 per pair
3611-XL	X-Large	\$9.25 per pair
3601-XXL	2X-Large, Straight Thumb.....	\$9.50 per pair

PIGSKIN DRIVER'S GLOVES

- Naturally soft, even after getting wet
- Excellent sense of touch
- Color-coded hem to identify size



3410-SZ	Medium - XL, Straight Thumb	\$6.50 per pair
3411-SZ	Small - XL, Keystone Thumb	\$6.75 per pair

LUMINATOR DRIVER'S GLOVES

High visibility gloves with 3M® Reflective Striping

Premium Grain Goatskin Style, Keystone Thumb

36111-L	Large	\$8.95 per pair
36111-XL	X-Large	\$8.95 per pair

"A" Select Shoulder Leather Palm with 2-1/2" Safety Cuff

1440L	Large	\$4.95 per pair
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36111



1440L

"WATCH YOUR HANDS" DRIVERS GLOVES

Select grain cowhide leather driver glove. Extra protection by keeping safety in mind with Hi-Vis orange at the fingertips and a Hi-Vis reminder to "WATCH YOUR HANDS". Keystone thumb is durable and allows for the best flexibility. Shirred elastic wrist



RAD64057044	Medium	\$9.95 per pair
RAD64057043	Large	\$9.95 per pair
RAD64057045	X-Large	\$9.95 per pair



CUSTOMER NOTES



GLOVES

LEATHER GLOVES

SPLIT SHOULDER GLOVES

- Gunn patterns
- Low cost leather protection



2-1/2" Starched Safety Cuffs, Full Feature Gunn Pattern

1200S	Men's	.....	\$2.50 pair
1201S	Women's	.....	\$2.75 pair

2-1/2" Rubberized Safety Cuff, Jointed Double Leather Palm

1211J-L	Men's Large	\$2.95 pair
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Full Feature Gunn Pattern, 2-1/2" Denim Cuffs

1220D	Men's Large	\$2.25 pair
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Green/Pink Strip Fabric Back, 2-1/2" Rubberized Safety Cuff

1230-L	Men's Large	\$3.25 pair
1230-XL	Men's X-Large	.....	\$3.50 pair

2-1/2" Rubberized Safety Cuffs, Green/Pink Fabric, Double Leather Palm

1230DP	Men's	.....	\$3.95 pair
1201DP	Women's	.....	\$3.50 pair

Green/Pink Strip Fabric Back, 4 1/2" Rubberized Safety Cuff

1231-XL	Men's X-Large	\$3.50 pair
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SIDEKICK COW LEATHER GLOVES

- Heavy side split cow leather
- Rich chrome tanned
- Durable rubberized cuffs
- Sewn with super-strong, heat resistant DuPont™ Kevlar® thread



Green Double Leather Palm/Index Finger/Thumb, 2-1/2" Safety Cuff

16012-L	Large	\$8.25 per pair
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Green Double Leather Palm/Index Finger/Thumb, 2-1/2" Safety Cuff

16012-XL	X-Large	\$8.95 per pair
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Full Leather Back, Welder's Gloves

16017-L	Large	\$8.25 per pair
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CUSTOMER NOTES



ARCTIC JACK® PIGSKIN GLOVES

Pigskin affords the greatest breathability of the leather gloves due to the porous texture of this hide. Additionally, pigskin tends to become softer with use and withstands moisture without stiffening. When laundered, this leather will return more to its natural soft texture than any other leather. Grain Pigskin Thermosock® Lining with 2-1/2" Safety Cuff. Thinsulate lining.



1965-L	Large	.....	\$8.50 pair
1965-XL	X-Large	.....	\$8.95 pair

BIG JAKE® GLOVES

- All styles generously cut
- Full feature gunn pattern
- Heavy select chrome tanned side split leather
- Sewn with super-strong, heat resistant DuPont™ Kevlar® thread
- All Big Jake® styles have CE approval and will be labeled with CE test results.



Full Featured Gunn, 2-3/4" Safety Cuffs

1700-S	Small	.....	\$8.25 per pair
1700-M	Medium	.....	\$8.25 per pair
1700-L	Large	.....	\$8.25 per pair
1700-XL	X-Large	.....	\$8.95 per pair

Full Featured Gunn, 4 -1/2" Gauntlet Cuffs

1710-L	Large	.....	\$8.75 per pair
1710-XL	X-Large	.....	\$9.95 per pair

Double Leather Palm, Index Finger and Thumb, 2-3/4" Safety Cuffs

1711	X-Large	\$11.95 per pair
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Double Leather Palm, Fingers and Thumb, 2-3/4" Safety Cuffs

1715-XL	X-Large	\$12.95 per pair
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Lumber Jake, Double Leather Palm, Finger and Thumb, Full Leather Back, 3-1/4" Safety Cuffs

1735-M	Medium	.....	\$15.75 per pair
1735-L	Large	.....	\$15.75 per pair
1735-XL	X-Large	.....	\$16.25 per pair



MUSTANG PREMIUM LEATHER GLOVES

The top grain leather of the Mustang glove lets you feel what you're working with and holds up to the abrasion better than split leather. The Memphis Mustang features premium grain cowhide leather, full feature gunn pattern and a 2.5" rubberized safety cuff.



1935-SZ	Small-Large	.....	\$9.75 pair
1935-XL	X-Large	.....	\$10.50 pair

GLOVES

SELECT SHOULDER GLOVES

- Full feature gunn pattern
- Rubberized cuffs for durability
- 2-1/2" Launderable duck cuff



1400A-S	Small	.....	\$4.95 per pair
1400A-M	Medium	.....	\$4.95 per pair
1400A-L	Large	.....	\$4.95 per pair
1400A-XXL	XX-Large	.....	\$5.25 per pair

"A" GRADE SELECT SHOULDER GLOVES

- Full feature gunn pattern
- Durable plasticized cuffs are recommended for laundering
- Double Leather Palm
- 2-1/2" Safety Cuffs



1411A	2-1/2" Safety Cuff	.....	\$6.50 per pair
1412A	4-1/2" Safety Cuff	.....	\$6.75 per pair

GRAIN COW HIDE WORK GLOVE

- A Grade leather, Gold Color
- Keystone Thumb
- Leather rolled hem prevents side seam blowout
- Double sewn index finger seam

1510G-M	Medium (Size 9)	.....	\$10.95 per pair
1510G-L	Large (Size 10)	.....	\$10.95 per pair
1510G-XL	X-Large (Size 11)	.....	\$10.95 per pair



WELDER'S GLOVES

ECONOMY WELDER'S GLOVES

- One piece leather back
- Weltd in high stress areas
- Full sock lining, in-sewn at all finger tips
- Gunn pattern
- Generous large size



4150B	\$5.50 per pair
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RED RAM SELECT SIDE LEATHER WELDER'S GLOVES

- Chrome tanned to assure softness and durability while resisting heat, sparks, slag and cuts.
- All seams are double lock stitched and sewn with DuPont™ Kevlar®



4720	\$14.95 per pair
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MIG-TIG WELDER'S GLOVES

Economy grain leather with a wing thumb. Sewn with super-strong, heat-resistant DuPont™ Kevlar® thread. Features a 4.5" Split Cowhide Gauntlet Cuff.



4950LB	\$12.50 per pair
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TILLMAN PIGSKIN TIG WELDING GLOVES

- Made of Top grain pearl Pigskin, resists oil and water.
- 4" cuff for added protection.
- Straight thumb.
- Includes Lock stitching with Kevlar® thread for added strength.



TIL30-SZ	Small – Large	\$10.95 per pair
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BLUE BEAST® PREMIUM WELDER'S GLOVES

- Select heavy side leather
- Full sock lining, in-sewn at all finger tips
- All seams fully weltd
- Turned leather hems
- Flame-resistant sleeves
- Extra-large die cut
- Gunn Pattern
- Sewn with super-strong, heat-resistant DuPont™ Kevlar® thread



4600	\$14.95 per pair
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STANCO STEELMASTER WELDING GLOVES

Made from russet select split cowhide. Has straight thumb with 3/4" thumb-strap, cotton/fleece lined, fully weltd and sewn with Kevlar® thread. Sized L.



2020STANCO	\$9.25 per pair
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TILLMAN GOLD ELK STICK WELDER'S GLOVES

- Gold premium Elkskin stays soft even when hot.
- 14" length.
- Durable Weltd fingers protect stitching.
- Reinforced thumb.
- Cotton/foam lined back for added heat protection, unlined palm for dexterity.
- Lock stitched with Kevlar® thread for added strength.



TIL850-SZ	Small – XLarge	\$22.50 per pair
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HARD HATS

MSA® V-GARD® HATS & CAPS

V-Guard® Hats and Caps are constructed of lightweight, one-piece injection molded high density polyethylene. The rigid, dielectric shell works together with the four point Staz-On® or Fas-Trac® suspension for complete head protection. Meets or exceeds requirements for Type 1 helmet (top impact) as outlined in ANSI Z79.1-2003 Class E (electrical-high voltage) and G (electrical-low voltage) Standards. Class E. Made in the USA. Slotted for easy attachment of accessories such as ear muffs and face shields.



MSA HAT-STYLE HARD HATS – FULL BRIM W/ ADJUSTABLE FOUR POINT STAZ-ON® SUSPENSION

454730	Yellow	454734	Orange
454731	Gray	454735	Green
454732	Blue	454736	Red
454733	White	489360	Hi-Vis Orange

1-5..... \$13.95 each
6+..... \$12.95 each

MSA HAT-STYLE HARD HATS – FULL BRIM W/ FAS-TRAC® SUSPENSION (RATCHET)

475366	Yellow	475370	Green
475367	Gray	475371	Red
475368	Blue	496075	Orange
475369	White	10021292	Hi-Vis Orange

1-5..... \$19.75 each
6+..... \$18.50 each

MSA LARGE CAP STYLE HARD HAT W/ RATCHET SUSPENSION – FOR LARGER HEADS

477482	White\$18.95 each
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Call our friendly and knowledgeable sales consultants for answers to any questions you may have. They will be more than happy to help you select the proper items to keep you and your workers safe!

1-800-592-6940

MSA SKULLGARD® PROTECTIVE CAPS & HATS

For use in heavy industries such as steel mills, where elevated temperatures are common, Skullguard® Caps and Hats feature heavy-duty construction. We stock Skullguards® with Fas-Trac® suspension – also available with Staz-on® suspension by special order. They all meet or exceed the ANSI Z89.1-2003, Class G Standard for a Type 1 (top impact) helmet. Available in Natural Tan and White.

475395	Cap-Style w/ Fas-Trac® Suspension, Natural Tan	.....\$110.50 each
475396	Cap-Style w/ Fas-Trac® Suspension, White	.....\$112.95 each
475407	Hat-Style w/ Fas-Trac® Suspension, Natural Tan	.....\$122.95 each
475408	Hat-Style w/ Fas-Trac® Suspension, White	.....\$123.95 each
454231	Replacement Staz-On® Suspension	.....\$9.95 each
473334	Replacement Fas-Trac® Suspension	.....\$17.50 each



MSA CAP-STYLE HARD HATS W/ ADJUSTABLE FOUR POINT STAZ-ON® SUSPENSION

463942	White
463943	Blue
463944	Yellow
463945	Orange
463946	Green
463947	Red
463948	Gray
485364	Pink
488148	Hi-Vis Orange



1-5.....	\$8.95 each
6+.....	\$7.95 each

MSA CAP STYLE HARD HATS W/ FAS-TRAC® SUSPENSION (RATCHET)

475358W	White
475359BLUE	Blue
475360Y	Yellow
475361-O	Orange
475362GREEN	Green
475363R	Red
475364GRAY	Gray
495858	Purple
488146-VIS-O	Hi-Vis Orange



1-5.....	\$14.75 each
6+.....	\$13.75 each

REPLACEMENT SUSPENSIONS FOR MSA HATS & CAPS

454230	STAZ-ON®	.....\$6.95 each
473332	FAS-TRAC® RATCHET	.....\$13.25 each



BUMP CAPS

Lightweight protective cap that provides a covering for the scalp to reduce abrasions and lacerations due to minor bumps and falling objects. For jobs where ANSI hard hat protection is not required.



311825	White	\$5.50 each
0740-0155	Blue	\$5.50 each
311828	Yellow	\$5.50 each
64051048	Orange	\$5.50 each
SC01	Hard Insert for Baseball Caps	\$5.50 each

MSA COMFO-CAPS

MSA Comfo-Cap® Class G Polycarbonate Plastic Hard Cap, Lamp Bracket and Cord Holder is designed to provide protection in the mining industry. Comfo-Cap provides two suspension options and molded cross ridges on the crown offer increased strength and rigidity. This cap is designed for lateral protection and low crown clearance is perfect for low-ceiling areas.



475336	White, Fas-Trac® Suspension	\$69.95 each
91522	Miner's, White, Staz-On® Suspension	\$59.95 each
91586	Miner's, Blue, Staz-On® Suspension	\$59.95 each

PYRAMEX 6-PT RATCHET FULL BRIM HARD HAT

- Shell constructed from high density polyethylene materials.
- Ratchet suspension is easy to adjust and allows the wearer to modify the fit while wearing hard hat.
- Soft brow pad is replaceable.
- Replaceable suspensions and headbands also available.
- Custom imprinting available.



HP26110W	White	\$9.95 each
HP26135	Green	\$9.95 each
HP26160	Blue	\$9.95 each

MSA OFFICIALLY LICENSED NFL V-GARD® BUMP CAPS

MSA officially licensed NFL V-Gard® cap style protective cap with NFL logo has strap-adjustable 1-Touch™ Suspension construction to render durability. Comes in splendid logos to support your favorite NFL team. Complies with all applicable requirements of a top impact type I helmet as outlined in class E ANSI/ISEA Z89.1-2009 and class E CSA Z94.1-2005. It also complies with the voluntary standard for reverse donning as prescribed by ANSI/ISEA Z89.1-2009.



004608	Dallas Cowboys	\$35.95 each
004611	Green Bay Packers	\$35.95 each
004621	New Orleans Saints	\$35.95 each
LSU-HH	LSU Tigers	\$35.95 each
NFL-HH	Any NFL Team – Special Order Only	\$35.95 each

(Specify When Ordering)

HOT PINK HARD HAT

- Versatile and dependable design, with grooved HDPE outer shell, rain trough and accessory slots
- Pin lock adjustment is a sturdy, easy to use 4 point pin lock headband
- Ratchet adjustment headband offers a firmer and more comfortable fit
- Cap Style, Plain Suspension



A79-20	\$9.95 each
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AMERICANA HI-VIZ PINK FULL BRIM HARD HAT

Molded from high density polyethylene. Provides protection from sun and rain. 4-Point nylon Quick-Slide suspension adjusts from sizes 6 1/2 - 8. Made in USA and meets ANSI Z89.1-2009, Type 1 Class C, E & G requirements.



19210	Hard Hat	\$14.95 each
19428	Ratchet Suspension	\$9.95 each

HARD HAT COOLING ACCESSORIES

HARD HAT SUN SHADES (FACE)



697410	MSA for V-guard Full Brim Hard Hats	\$19.95 each
898-008	White, Occunomix	\$8.95 each
898-078	Orange, Occunomix	\$8.95 each
898-098	Yellow, Occunomix	\$8.95 each

RADIANS HI-VIS HARD HAT NECK SUN SHADES

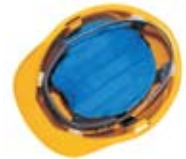
- Mesh
- Reflective

NSG	Green	\$8.95 each
NSO	Orange	\$8.95 each



MIRACOOOL™ HARD HAT INSERT

The head has many blood vessels close to the skin which influence body temperature. Keep cool all day with a MiraCool™ Hard Hat Insert. Navy fabric hides dirt, and it's easily installed and removed. One size fits all.



968018	1-11	\$4.95 each
	12+	\$4.50 each

HARD HAT SWEATBAND

- Snap-on
- Terry Cloth

90476	\$3.50 each
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HARD HAT ACCESSORIES

HELMET STICKER, RETRO-REFLECTIVE

Ultra-bright, reflective visibility in daylight, low-light and dark conditions.



LHR104BU	Flo-Blue.....	\$22.95 each
LHR104GNYL	Flo-Lime	\$22.95 each
LHR104RD	Flo-Red.....	\$22.95 each

MSA FACE SHIELD BRACKET FOR FULL BRIM HARD HATS

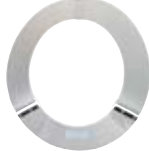
10005383	\$17.95 each
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ADAPTERS

488525	MSA Welding Hood Adapter	\$18.50 each
695888	MSA Welding Shield	\$41.95 each



10005383



697410



488525

HI-VIZ SAFARI HAT

- Full, wide brim safari hat to protect from sun's harmful rays.
- Vented mesh panels to keep workers cool.
- Two tone contrasting reflective tape.
- Adjustable neck lanyard.



SHG-S/M	Green, Small/Medium	\$14.95 each
SHG-L/XL	Green, Large/X-Large	\$14.95 each
SHO-S/M-B	Orange, Small/Medium	\$14.95 each
SHO-L/XL-B	Orange, Large/X-Large	\$14.95 each

HI-VIZ HARD HAT COVER

Contrasting mesh and reflective material greatly enhances both day and night visibility. Fits all ERB cap and full brim style helmets.



13760	Hi-Viz Lime Green	\$12.00 pack of 3
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MSA GOGGLE RETAINER FOR PROTECTIVE HEADWEAR

Goggle retainers are designed for applications where goggles must be worn with helmets.



The non-metallic retainer can be worn on most MSA protective headwear meeting ANSI Z89.1 requirements without changing the headwear's dielectric qualifications as long as goggle use is dielectric.

449895	Hat-Style Retainer	\$15.95 each
459458	Cap-Style Retainer	\$14.95 each

BULLARD® ELASTIC CHINSTRAP

White elastic chinstrap w/2 point suspension for use with hardhats and caps.



TE3.....	\$3.95 each
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SAF-T-RAK HAT HOLDER

- Seat Model – Fits over front or back of car seat
- Wall Model – mounts on wall or window of cab or office wall
- Window Mount Kit (includes suction cups and hardware) needed to mount to window
- Universal size – Fits all hats and caps
- Made of heavy wire



SM	Seat Mount Model	\$10.95 each
WA	Wall Mount Model	\$14.50 each
WMK	Window Mount Model	\$8.95 each

HAT SAVER® HOLDER

Mounts your hard hat or western hat up on the ceiling of your truck – out of the way and safe from damage. Spring-loaded clip holds it securely.



HS	\$17.25 each
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WINTER LINERS

FLANNEL-LINED WINTER LINER

- 100% cotton twill with fleece liner
- Mid-length
- Blue
- 2 Layers



SD580	1-5.....	\$7.95 each
	6+.....	\$7.35 each

SKULL CAP WITH CHIN AND MOUTH COVER

- 100% Cotton Twill top with FR treatment until washed
- Fleece lining
- Removable mouthpiece
- Navy
- 2 layers



LM660.....	\$6.95 each
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QUILTED LINER

- 100% Quilted Nylon Shell
- Foam Center Layer
- Fleece Lining
- 3 Layers
- Green



0040	1-5.....	\$4.95 each
	6+.....	\$4.50 each

SHERPA WINTER LINER

- 100% cotton twill outer shell
- 50% acrylic/50% polyester sherpa lining
- Shoulder length
- 2 Layers
- Navy



0090	1-5.....	\$9.95 each
	6+.....	\$9.25 each

FACE SHIELDS, VISORS

REPLACEMENT FACE SHIELDS/VISORS

815-40	Economy Clear Face Shield, 8" x 15.5"	\$2.95 each
181560	Crews Clear Face Shield, 8" x 15.5"	\$3.95 each
0018C	Willson Clear, Curved Face Shield	\$5.50 each
488132	MSA Clear Face Shield, 7.88" x 15.76" x .04"	\$10.50 each
10005882	MSA Shade 5 Green Face Shield	\$22.95 each



181560



10005882



488132 & 488159

FACE SHIELD BRACKETS FOR HARD HATS

The brackets quickly attach to hard hats and fit replaceable face shields.

488159	MSA Metal Bracket for FULL BRIM Hard Hats, Fold-back Face Shield Frame	\$15.95 each
337410	#102, Metal Bracket for CAPSTYLE Hard Hats, Spring Back	\$8.00 each
HHAN	Pyramex #HHAN, for Cap Style Hard Hats, Plastic Bracket, Rubber Band Back	\$8.50 each
10116627	MSA Universal Bracket, Plastic w/3pt suspension	\$17.95 each
HHA AW	Pyramex Aluminum Adapter, For Full Brim Hard Hats.....	\$7.95 each
HHABW	Pyramex Nylon-Plastic, For Full-Brim Hard Hats	\$7.95 each



10116627

RATCHET HEAD GEAR

Accepts replaceable shields and are worn without hard hats.

103A	Crews Headgear, Ratchet.....	\$6.95 each
0040A	Willson V5 Headgear, Ratchet	\$14.50 each



HHAN

Bracket #	Fits Shield #'s
488159	10005882, 815-40, 488132
337410	181560, 815-40
HHAN	815-40
103A	181560, 815-40
0040A	0018C
HHA AW	815-40
HHABW	815-40
10116627	815-40



HHA AW



HHABW



337410



103A

STRIKEALERT® HD LIGHTNING DETECTOR

StrikeAlert® HD is the first personal lightning detector with an intuitive graphical display that shows you the lightning strike distance as well as a 1-hour storm trend. StrikeAlert HD has both audible and vibrate warnings, and achieves up to 80 hours of operation from two AA batteries.

103A	LD3000.....	\$199.99 each
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FALL PROTECTION

ACCESSORIES

DBI-SALA® SAFLOCK™ CARABINERS

- Self-Closing/Locking Gate
- High Strength Steel Construction
- Corrosion Resistant
- Meets OSHA and ANSI Specs



2000112 11/16" Gate Opening\$45.00 each
2000114 2-3/16" Gate Opening\$89.50 each

DBI-SALA® SUSPENSION TRAUMA SAFETY STRAPS

- Suspension trauma safety strap
- Allows user to stand in harness after a fall
- Attaches to almost any harness
- Fast and easy installation
- Extremely compact and lightweight design
- Simple and fast zipper style deployment
- Continuous loop design
- In-field resettable design



9501403\$35.00 each

DBI-SALA® ROPE LIFELINE

- Polyester/polypropylene rope lifeline
- Snap hook one end, taped other



1202794 5/8" x 50'\$100.25 each
1202844 5/8" x 100'\$145.00 each

PROTECTA PRO™ D-RING EXTENSION

- 1.5 ft. (0.5 m) D-ring extension
- Extends dorsal harness D-ring (or overhead anchor point)
- Abrasion resistant polyester webbing
- User friendly self-locking snap hook
- High strength D-ring tie-off point



1385000\$36.95 each

DBI-SALA® BOATSWAINS CHAIR W/TONGUE BUCKLE BELT

- Seat board (12"x24"x1") for added support and comfort
- Integrated tongue buckle body belt with back D-ring for added support and versatility
- 1-3/4" wide latex treated polyester webbing construction for added durability
- Cadmium plated alloy steel hardware for strength and corrosion resistance
- Meets or exceeds all applicable industry standards including OSHA and ANSI



1001134 Large\$165.00 each
1001135 X-Large\$165.00 each

LANYARDS

PROTECTA FIRST™ SERIES, WEB SHOCK ABSORBING, 6' LANYARDS

Part Number	Description	Price
AE57610	Single Leg Lanyard w/2 Snap Hooks on Each End	\$44.95
AE57620	Twin Leg Lanyard w/2 ea steel rebar Snap Hooks; 2" gate opening on leg ends and standard snap hook, opening 3/4" gate opening.	\$109.50
AE57630	Twin Leg Lanyard w/3 ea Standard Snap Hooks, 3/4" gate opening	\$79.50



AE57610

AE57620



AE57630

6' ELASTIC LANYARD

Single leg lanyard with standard snap hooks, each end – 3/4" gate opening.



AE57830\$95.50 each

FIRST WIRE ROPE SLING

Pass through type anchorage connector; 1/4-inch diameter galvanized wire rope, zinc coated attachment rings. Total length: 6 ft.



AJ47406\$32.50 each

DBI-SALA® 6' WEB LANYARD, 100% TIE-OFF

Twin-leg lanyard with double locking snap hooks on all ends – 3/4" Gate opening



1220416\$209.50 each

DBI-SALA® 4' WEB POSITIONING LANYARD

1" wide polyester web lanyard with self-locking snap hooks (3/4" gate opening) at both ends. Built-in wear indicator. Exceeds OSHA and ANSI standards.



1231104\$72.50 each

FALL PROTECTION

DBI-SALA® TWIN-LEG LANYARD, WRAPBAX™ 2 TIE BACK

Twin-leg lanyard with WrapBax 2 hook (5,000 lb rated) at leg ends eliminating a second anchorage connector. OSHA and ANSI compliant snap hook at the other end, 6 ft. in length



1242003\$217.50 each

DBI-SALA® SHOCKWAVE 2, 100% TIE-OFF LANYARD

ShockWave™ 2 Twin-leg lanyard with snap hook and aluminum rebar hooks (2-1/4" gate opening) on leg ends X 6ft. (1.8m).



1244409\$298.98 each

DBI-SALA® EZ-STOP II TIE-BACK RESIST LANYARD

Double-leg polyurethane coated web, floating D-rings for tie-back, snap hooks x 6 ft. (1.8m).



1240880\$195.00 each

DBI-SALA® EZ-STOP™ TIE-BACK 100% TIE-OFF SHOCK ABSORBING LANYARD

- 6 ft. (1.8m) double-leg 100% tie-off lanyard
- Tie-back style with adjustable D-rings
- Extremely compact and lightweight
- Built-in reflective materials
- Impact indicator
- Protected labels, equipped with i-Safe™
- Exclusive Hi-10™ Vectran™ energy absorption system
- Dual-layer high strength/abrasion resistant webbing
- User friendly self locking snap hooks at each end



1246070\$219.95 each

PROTECTA PRO™ PACK TIE-BACK TIE-OFF SHOCK ABSORBING LANYARD

- 6 ft. (1.8m) single-leg lanyard
- Tie-back designed and rated
- Lightweight user friendly design
- PVC shock pack with protected label
- Dual-layer high strength/abrasion resistant webbing
- Energy absorbing design limits fall arrest forces
- User friendly self-locking snap hook and tie-back hook
- Impact indicator



1340040\$79.95 each

PROTECTA PRO™ STRETCH 100% TIE-OFF SHOCK ABSORBING LANYARD

- 6 ft. (1.8m) double-leg 100% tie-off single-leg lanyard
- Stretches in reaction to your movements
- Abrasion resistant polyester tubular webbing
- User friendly self-locking snap hook at center
- Self-locking steel rebar hook at leg ends
- Energy absorbing design limits fall arrest forces
- Built-in impact indicator



1340161\$119.50 each

ULTRA-SAFE ADJUSTABLE Y-LANYARDS

Nylon web lanyards with double locking snaps each end.



96506-ADJ 1" x 6'\$34.95 each
97506-ADJ 1" x 6', 3600 Lb Gates MBS\$45.95 each

PROTECTA PRO™ ROPE POSITIONING LANYARD

- 6 ft. (1.8m) single-leg lanyard
- Ideal for work positioning or restraint
- 1/2 in. (1.3cm) three-strand filament nylon rope
- Exclusive five-tuck splice
- User friendly self locking snap hooks at each end



AL305A6\$35.00 each

CUSTOMER NOTES:



FALL PROTECTION



SELF-RETRACTING LIFELINES

PROTECTA REBEL™ SELF RETRACTING LIFELINES - WEB

- Swiveling anchorage loop with carabiner
- Polyester web lifeline
- Self-locking steel snap hook on lifeline
- Compact, lightweight design
- Tough and impact resistant thermoplastic housing
- Quick activating speed sensing brake system
- High capacity external energy absorber and impact indicator



3101116 6' \$162.45 each

PROTECTA REBEL™ SELF RETRACTING LIFELINE - CABLE

- Rugged, lightweight thermoplastic housing
- Stackable housing design
- Built-in carrying handle
- Swiveling self-locking snap hook with impact indicator
- Speed sensing all metal brake system
- Internal energy absorption system
- Reserve lifeline system
- Side lifeline exit with ergonomic handle
- High strength, corrosion resistant components
- Swiveling anchorage point
- Self-locking anchorage carabiner



AD1115B 15', Galvanized Steel Cable \$304.65 each
 3590514 20', Aircraft Cable \$350.00 each
 3590500 33', Galvanized Steel Cable \$498.45 each

MSA DYNA-LOCK® SELF-RETRACTING LANYARD

- Three independent locking mechanisms provide proven dependability in corrosive or freezing environments
- Integral shock absorber limits fall arrest forces to 900 lbs or less
- Visual impact loading indicator on snaphook that alerts the user when the unit has been subjected to a load
- Wire rope available in galvanized or stainless steel
- Swivel snaphook to prevent birdcaging or kinking of lifeline
- Roller nozzle reduces wear on cable
- Durable stainless steel and extruded aluminum housing on web Dyna-Lock SRLs
- Durable galvanized steel housing on cable Dyna-Lock SRLs
- Integral carrying/mounting handle
- 4.5 feet per second locking speed



MSA506615 20' \$475.00 each

DBI-SALA® NANO-LOK™ TWIN-LEG QUICK CONNECT SELF RETRACTING LIFELINE - WEB

- Twin-leg 100% tie-off design
- Built-in connector for twin-leg SRL direct attachment to harness
- 6 ft. (1.8m) twin-leg lifelines with 3/4" (19mm) Dyneema® fiber and polyester web
- Extremely compact, lightweight design
- Tough and impact resistant thermoplastic housing
- Swiveling anchorage loops
- Quick activating speed sensing brake systems
- High capacity external energy absorbers and impact indicators
- i-Safe™ equipped



3101279 6', Self-locking Snap Hook on each Lifeline \$325.00 each
 3101277 6' Aluminum Self-locking Rebar Hook on each Lifeline.. \$375.00 each

MILLER TWIN TURBO FALL PROTECTION SYSTEMS WITH G2 CONNECTOR

- Provides 100% Tie-Off
- Better alternative to double-leg lanyards – Reduces fall clearance requirements for use in more applications.
- PFLs swivel independently – Provides ultimate worker mobility and prevents webbing from twisting and binding in the unit.
- Lightest-weight Twin Connector on the market – Increases productivity by reducing worker fatigue.
- Superior durability – Corrosion resistant aluminum connector teamed with high-impact nylon result in a longer product life.
- Superior safety – Webbing Retainer Clip rotates freely to prevent unintentional opening of carabiner gate during a fall increases worker safety.
- D-Pad Clip – Maintains harness adjustment while working by keeping the harness webbing and D-Pad in place.
- Twin Turbo G2 Connector meets all applicable standards including OSHA, ANSI and CSA.MFLTC-1/7.5FT



MFLTC-1/7.5FT 7.5' \$495.00 each

DBI-SALA® NANO-LOK™ SELF RETRACTING LIFELINE WITH ANCHOR HOOK - WEB

- Swiveling anchorage loop with carabiner
- 6' x 3/4" (19mm) Dyneema® fiber and polyester web lifeline
- Self-locking Hoop on Lifeline
- Extremely compact, lightweight design
- Tough and impact resistant thermoplastic housing
- Quick activating speed sensing brake system
- High capacity external energy absorber and impact indicator
- i-Safe™ equipped



3101215 6', Self-Locking Snap Hook on Lifeline \$195.00 each
 3101217 6', Steel Rebar Hook on Lifeline..... \$225.95 each

FALL PROTECTION

DBI-SALA® TALON™ QUICK CONNECT SELF RETRACTING LIFELINE

- Web SRL with quick connector and swiveling hook x 8 ft. (2.4m).



3101001 8'\$275.00 each

DBI-SALA® TALON™ 16' WEB SELF RETRACTING LIFELINE

- 16ft (4.9m) Talon Web SRL with swiveling loop connector
- Swiveling 3,600 lb. rated snap hook at end



3101051 \$325.00 each

TIE-OFFS

DBI-SALA® SAFLOK™ CONCRETE WEDGE ANCHOR

- Installs into 3/4 in. (19mm) concrete hole
- Use vertically in wall or horizontally in ceiling
- Portable and reusable
- Compact and lightweight design
- High strength steel and aluminum construction
- Rugged and corrosion resistant materials
- Swiveling D-ring tie-off point
- Exclusive easy grip trigger and quick release plug
- Shielded load and chock release cables



2100085 Reusable\$159.95 each

DBI-SALA® ROOF TOP ANCHOR - FOR STANDARD MEMBRANE ROOFS

- Installs to standard membrane and built-up type roofs
- For use on flat or sloped (up to 3:12 pitch)
- Fastens through membrane, insulation and into metal, wood or concrete
- Multiple fastener options available
- Exclusive design offers fast installation
- Complete with shroud offering maximum weather proofing
- Aesthetic design compliments the roof
- Thermal efficient design and construction
- Load distributing design protects roof and user
- Swiveling tie-off point for complete mobility
- Compatible with various fall arrest connecting systems
- Multi-person use with horizontal lifeline system



2100139\$525.00 each

ULTRA-SAFE LIFELINES

Double-locking snap one end, crown splice other end.



96805 5/8" x 50' 96905 3/4" x 50'\$59.95 each

96810 5/8" x 100' 96910 3/4" x 100'\$104.95 each

DBI-SALA® FIXED BEAM ANCHOR

- Installs onto 2-1/2 in. to 12 in. wide I-beam flange (6.3-30.5cm) up to 1-1/2" thick (3.8cm).
- Attach in any orientation or direction
- Compact and lightweight design
- High strength steel and aluminum construction
- Extremely rugged and corrosion resistant
- Swiveling D-ring tie-off point
- Detent style attachment with built-in tightening handle



2108406 Fits 2-1/2" x 12" Beams\$359.50 each

2108408 Fits 2-1/2" x 24" Beams\$425.00 each

GUARDIAN BEAMER™ 2000

- Perfect for use overhead or at foot level
- Lightweight and durable
- Moves smoothly along beam
- Easy to install
- Worker Capacity Range: 130-420 lbs.
- Material: Aluminum, bronze manganese, zinc-plated steel, and stainless steel
- Min. Breaking Strength: 5,000 lbs.



00101 Fits 3-1/2" x 14" Beams\$179.95 each

GUARDIAN CONCRETE ANCHOR STRAP

- Easy to install
- Durable and lightweight
- Compatible with horizontal lifelines
- Worker Capacity Range: 130-420 lbs.
- Material: Polyester and galvanized steel
- Min. Breaking Strength: 5,000 lbs.



10715 4", Loop and D-Ring Ends\$9.95 each

PROTECTA® STANDING SEAM ROOF ANCHOR

- Standing Seam Roof Anchor
- 24" with universal SRL bracket

2190001 \$249.95 each



FALL PROTECTION

DBI-SALA® TIE-OFF ADAPTERS

Pass thru D-ring design. 1-3/4" wide polyester strength member with 3" wide polyester wear pad.



1002000	3'	.....	\$49.50 each
1003006	6'	.....	\$61.05 each
1002106	Adjustable 3'-6'	.....	\$65.00 each

PROTECTA® FIRST™ REBAR CHAIN ASSEMBLY



1.67 ft in length, 2-1/4" opening rebar hook on one end and standard swiveling snap hooks on the 2 leg ends.



AF77710	\$52.75 each
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PROTECTA® COBRA ROPE GRAB

Auto/manual design follows user for hands free operation. Can be fixed in place for restraint/positioning and can be attached/detached anywhere along the lifeline.



AC202D	\$95.00 each
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PROTECTA® REUSABLE ROOF ANCHOR, STEEL



AJ730A	\$32.00 each
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HARNESSES

DBI-SALA® DELTA™ VEST-STYLE HARNESS

- No-tangle design
- Stand-up back D-ring
- Tongue buckle leg straps
- Repel™ webbing
- Built-in lanyard keepers
- Revolver™ vertical torso adjusters
- Impact Indicator
- Protected labels, equipped with i-Safe™



L2000	Universal Size	.....	\$110.00 each
1101253	2X-Large	.....	\$125.00 each
1101258	3X-Large	.....	\$139.50 each

DBI-SALA® DELTA™ VEST-STYLE RETRIEVAL HARNESS

- No-tangle design
- Stand-up back D-ring
- Shoulder D-rings
- Tongue buckle leg straps
- Repel™ webbing
- Built-in lanyard keepers
- Revolver™ vertical torso adjusters
- Impact Indicator
- Protected labels, equipped with i-Safe™



1101254	Universal Size	.....	\$130.00 each
1104887	X-Large	.....	\$165.00 each

PROTECTA® CONSTRUCTION HARNESS

- Back D-rings, sewn in hip pad and belt with side D-rings
- Tongue buckle legs



1191209	Universal Size	.....	\$106.50 each
1191211	2 X-Large	.....	\$108.95 each

DBI-SALA® EXOFIT™ CONSTRUCTION STYLE POSITIONING HARNESS

- Built-in shoulder, back and leg comfort padding
- Back D-ring
- Body belt/hip pad with side D-rings
- Quick connect chest and leg straps
- Soft, lightweight webbing
- Anti-tear ballistic nylon
- Built-in reflective piping
- Parachute torso adjusters
- Protected labels, equipped with i-Safe™



1108501	Medium	.....	\$395.00 each
1108502	Large	.....	\$395.00 each
1108507	X-Large	.....	\$395.00 each

DBI-SALA® EXOFIT™ VEST-STYLE POSITIONING HARNESS

- Built-in shoulder, back and leg comfort padding
- Back D-ring
- Side D-rings
- Quick connect chest and leg straps
- Soft, lightweight webbing
- Loops for body belt
- Anti-tear ballistic nylon
- Built-in reflective piping
- Parachute torso adjusters
- Protected labels, equipped with i-Safe™



1108575	Small	.....	\$295.00 each
1108576	Medium	.....	\$295.00 each
1108577	Large	.....	\$295.00 each
1108581	X-Large	.....	\$295.00 each

FALL PROTECTION

DBI-SALA® DELTA™ VEST-STYLE CLIMBING HARNESS

- No-tangle design
- Stand-up back D-ring
- Front D-ring
- Tongue buckle leg straps
- Repel™ webbing
- Built-in lanyard keepers
- Revolver™ vertical torso adjusters
- Impact Indicator
- Protected labels, equipped with i-Safe™



1107800 Large.....\$125.00 each

DBI-SALA® DELTA™ ARC FLASH HARNESS

- No-tangle design
- PVC coated back D-ring
- PVC coated pass-thru buckle leg straps
- PVC coated pass-thru torso buckles
- Nomex®/Kevlar® fiber webbing
- Arc flash rated
- Protected labels, equipped with i-Safe™



1110830 Universal Size.....\$295.00 each

DBI-SALA® EXOFIT™ VEST-STYLE HARNESS

- Built-in shoulder, back and leg comfort padding
- Back D-ring
- Quick connect chest and leg straps
- Soft, lightweight webbing
- Loops for body belt
- Anti-tear ballistic nylon
- Built-in reflective piping
- Parachute torso adjusters
- Protected labels, equipped with i-Safe™



1107977 Large.....\$268.00 each
 1107981 X-Large.....\$268.00 each
 1107982 2X-Large.....\$268.00 each

MILLER® TITAN T-FLEX™ STRETCHABLE HARNESSES



Titan T-FLEX™ Stretchable Harnesses have a durable, stretch webbing construction for improved comfort and greater mobility.

- Competitively-priced harness with comfort-stretch webbing
- Fully adjustable design for maximum comfort
- Non-slip mating buckle chest strap promotes proper fit
- Leg strap webbing in a contrasting color for ease of donning
- Back strap increases safety by preventing roll out in the event of a fall
- Sliding back D-ring and pad ensure correct back D-ring positioning
- Pull-free lanyard rings for added convenience
- Meets all applicable OSHA, ANSI and CSA requirements



DFPT4507UAK Universal Size.....\$80.00 each
 DFPT4507XXLAK 2X-Large.....\$88.00 each

DBI-SALA® EXOFIT NEX™ ARC FLASH CONSTRUCTION STYLE POSITIONING HARNESS

- Arc flash rated
- Nomex®/Kevlar® material provides shoulder, back and leg comfort padding
- Tech-Lite™ stand-up PVC coated aluminum back D-ring
- Body belt/hip pad with PVC coated Tech-Lite™ aluminum side D-rings
- Duo-Lok™ quick connect chest and leg straps
- Leather insulators
- Nomex®/Kevlar® fiber webbing
- Built-in lanyard keepers
- Revolver™ vertical torso adjusters
- Impact Indicator
- Integrated flame resistant trauma straps
- Built-in reflective materials
- Protected labels, equipped with i-Safe™



1113316 Medium.....\$695.00 each
 1113317 Large.....\$695.00 each
 1113318 X-Large.....\$695.00 each

PROTECTA® FIRST™ HARNESS & LANYARD COMBO

Provides fundamental fall protection with exceptional value. Featuring a 5-point harness (AB17530) and a permanently attached 6' shock absorbing lanyard (AE57610) which replaces the back D-ring. The leg straps utilize pass-thru buckles for accurate adjustability and a custom fit. Universal Size.



AB17532.....\$70.75 each

PROTECTA® FIRST™ 5 POINT FULL BODY HARNESS WITH TONGUE BUCKLE LEG STRAPS

Provides fundamental fall protection with exceptional value. Featuring a 5-point adjustment and color coded straps for easy donning. Tongue buckle leg straps. Universal Size.



AB17550 Back D-Ring.....\$49.95 each
 AB17560 Back and Side D-Rings.....\$59.95 each

FALL PROTECTION

KITS

PROTECTA COMPLIANCE IN A CAN™ ROOFER'S FALL PROTECTION KIT

- Complete roofer's fall protection system in one handy container
- Reusable and extremely durable roof anchor with fasteners (model AJ730A)
- Lightweight FIRST™ harness with pass-thru buckle legs and 5-point adjustment (model 1191995)
- Compact rope adjuster with built-in 2 ft. (0.6m) PRO™ shock absorbing lanyard (model 1340005)
- Durable and lightweight 5/8" dia. (1.6cm) 50 ft. (15.2m) blended lifeline with snap hook (model 1204001)
- Durable bucket with handle



2199803.....\$150.95 each

GUARDIAN PREMIUM ROOFER'S KIT

- 50 foot Positioning device assembly with durable Polydac rope
- Reusable Halo roof anchor for use with either nails or screws
- Sandbag to aid in weighing down the lifeline to make movement easier
- Nylon bag for transporting and storage of kit (SOS-Bag) Includes 50-Foot Rope, HUV, G-Back Pad, SOS-Bag, Halo Anchor and Universal harness HUV with G-Back Comfort System.



00737.....\$275.00 each

CONFINED SPACE EQUIPMENT

PROTECTA® CONFINED SPACE SYSTEM (Each Piece Sold Separately)

AK105A	8' Tripod, 5,000 lb. 1-man rated, Anodized epoxy coated aluminum	\$975.00 each
AK020A1	Confined Space Pulley.....	\$175.00 each
AK205AG	50' Galvanized Winch.....	\$1,150.00 each



GAS CLIP TECHNOLOGIES MULTI-GAS CLIP

Battery life for months instead of hours. Tests for the presence of combustible gases, H₂S, CO, and O₂. Multi Gas Clip (MGC) has the longest battery life of any portable gas detector. The MGC can go a full 2 months without a charge, even without ever having to be turned off. Shut down the unit nightly and the battery can last up to 4 months. Clip-On. The MGC also eliminates the need to frequently calibrate portable gas detectors. It can go 6 months without being calibrated.

- 2 month battery life (continuous run time)
- 6 month calibration cycle
- Will work in inert environments, no need for oxygen
- Simple to use
- Bump/Calibration reminders
- Docking station compatible
- Programmable user ID

MGC-PUMP-IR



MGC-DOCK



MGC	Orange 4 Gas Monitor Only, Infrared Sensor	\$699.95 each
MGC-P	Orange 4 Gas Monitor Only, with Pellistor Sensor, 25 Hour Run Time	\$575.95 each
MGC-PUMP-IR	Orange 4 Gas Monitor w/Pump	\$1,095.00 each
MGC-CALCAP	Calibration Cap	\$10.00 each
MGC-CS	Confined Space Kit w/58 L Quad Gas	\$615.00 each
MGC-V-CHARGER1	12V Vehicle Charger.....	\$29.95 each
MGC-DOCK	Docking Station	\$1,995.00 each

*CALIBRATION GAS AND THE FULL LINE OF ACCESSORIES ARE AVAILABLE. CALL FOR DETAILS AND PRICING.

AMERICAN LOCK®

SOLID ALUMINUM PADLOCKS

American Lock's solid aluminum padlocks are made from an exclusive aluminum alloy, offering protection similar to brass in most harsh or caustic environments. Most aluminum padlocks have hardened boron alloy steel shackles for superior cut resistance, which are chrome plated for extra corrosion resistance.

MODEL A10: 1-3/4" Wide, 3/4" Thick W/ 1-1/8" Shackle
10KA Keyed Alike \$13.95 each
10 Keyed Different \$12.95 each



MODEL A30: 1-1/2" Wide, 3/4" Thick W/ 1" Shackle
30KA Keyed Alike \$11.25 each
30 Keyed Different \$11.25 each



* Longer shackles available, call for prices

SOLID BRASS PADLOCKS

American Lock solid brass padlocks resist moisture, including saltwater, offering ideal protection to equipment and buildings in even the harshest outdoor or corrosive environments. Hardened boron alloy shackles offer superior cut resistance, while dual stainless steel ball bearing locking mechanism resists pulling and prying. Shackles are chrome plated for corrosion resistance, with rust-resistant brass shackles available as the best option for marine applications.

MODEL A20: 1-3/4" Wide, 3/4" Thick W/ 1-1/8" Shackle (5-pin)
20KA Keyed Alike \$15.95 each
20 Keyed Different \$15.95 each



MODEL AL50: 1-3/4" Wide, 3/4" Thick W/ 1-1/8" Shackle
 • 10-blade tumble cylinder
 • Rekeyable

L50KA Keyed Alike..... \$29.95 each
L50KD Keyed Different \$28.95 each



* Longer shackles available, call for prices: **Model AL50 - 2"**, **Model AL52 - 3"**

SESAMEE RESETTABLE COMBINATION LOCK

- Pressure cast body with case hardened 1" double locking steel shackle plated to resist corrosion
- Black epoxy brass mechanisms
- Opening number is easily set and can be changed at any time by the owner
- Lifetime guarantee.



K500 3/4" Shackle..... \$17.50 each
K500-2-1/4 2-1/4" Shackle..... \$21.50 each

SOLID STEEL PADLOCKS

American Lock solid steel padlocks are the strongest padlocks available — hardened, triple plated steel bodies resist break-in attempts, corrosion, rust and debris while the stainless steel double ball locking mechanism further assures the lock's strength and performance. Hardened boron alloy shackles offer superior protection against cutting, while serrated cylinder pins resist picking.

MODEL A50: 2" Wide, 7/8" Thick, 1-1/8" Shackle
50KA Keyed Alike \$16.95 each
50 Keyed Different \$15.95 each



* Longer shackles available, call for prices:
Model A51 - 2", **Model A52 - 3"**

MODEL A700: 2-1/2" Wide, 1-1/8" Thick, 5-pin
700KA Keyed Alike \$32.95 each
700KD Keyed Different \$31.95 each



MODEL A7200 - High Security: 1-3/4" Wide, 7/8" Thick, 7-pin Tubular Cylinder
7200KA Keyed Alike \$25.95 each
7200KD Keyed Different \$24.95 each



Model A7300 - Maximum Security: 2-1/4" Wide, 7/8" Thick, 7-pin Tubular Cylinder
7300KA Keyed Alike \$32.50 each
7300KD Keyed Different \$31.50 each



WE CARRY THE FULL LINE OF MASTERLOCK AND AMERICAN LOCK PRODUCTS. CALL FOR MORE INFORMATION.

LOCKS/LOCKOUTS/SAFETY HORNS

Master Lock

MASTERLOCK ALUMINUM SAFETY LOCKOUT RECTANGULAR PADLOCKS

- American Lock solid aluminum padlocks are made from an exclusive aluminum alloy, offering strong protection against the elements.
- Aluminum padlocks have hardened boron alloy steel shackles for superior cut resistance, and are chrome plated for extra corrosion resistance.
- These lightweight, durable padlocks are offered in nine anodized finishes: black, blue, brown, clear/gray, green, orange, purple, red or yellow.
- Available keyed alike or keyed different

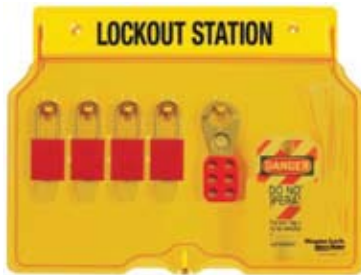


* Please specify color when ordering.

A1105-COLOR 1" Shackle \$13.95 each
A1107-COLOR 3" Shackle \$15.95 each

MASTERLOCK ALUMINUM 4 PADLOCK STATION

- Safety Lockout covered padlock station with 4 of the A1106RED aluminum padlocks, keyed different
- (2) hasps and 1 bag (12 tags) Do Not Operate Tags
- Exclusive lockable translucent cover protects contents from dust and grime and ensures the lockout padlocks are there when you need them
- Resilient polycarbonate material provides twice the heat resistance and quadruple the impact strength of typical stations
- One piece molded construction means no glued hanger clips or tag pockets to ever come loose
- Reinforced snap-on clips provide easy padlock and hasp storage and removal
- Station measures 12-1/4" high x 16" wide x 1-3/4" deep
- Masterlock # 1482BP1106



4 PADLOCK STATION \$144.95 each

MASTERLOCK BRASS COMBINATION LOCKS

- Masterlock Brass Combination Locks allow you to set your own 4 digit combination for convenience and security
- Hardened steel shackle for extra cut resistance. 2" wide solid brass body for strength and weatherability
- Easy to set and reset. Combination change key included



175D 1" Shackle \$18.95 each
175LH 2-1/4" Shackle \$20.95 each

MASTERLOCK BUMPSTOP®

BumpStop® Advanced Cylinder Technology. Master Lock padlocks and security products with patent-pending BumpStop® technology can counter the ever-growing security threat of lock "bumping" - a surreptitious method of picking a lock without evidence of entry. Unique BumpStop® technology prevents the transfer of force from the bump key to the pins and blocks rotation of the cylinder... so the lock remains locked.



*Available with most pin tumbler padlocks and key-in-knob padlocks. Add \$0.60 each

FALCON SAFETY HORNS

MIGHTY SONIC SAFETY HORN

The Lightweight, Portable, Long-Lasting Safety Horn. Built for long-lasting reliability - totally independent of any other power source - the portable Mighty Sonic is 100% ozone-safe and non-flammable! POWERFUL!



Delivers a piercing 120dB blast at 10 feet. EASY! Convenient push-button operation. UNBREAKABLE! Guaranteed durable high-impact trumpet.

MSN \$31.50

SOUND 911 SAFETY HORN

Feel safe while jogging, shopping, biking or any time you need the reassurance knowing help is a signal blast away. Sound 911 Personal Safety Horn sends out a 112-decibel blast of piercing sound to deter a would-be assailant or unfriendly animal. This convenient, compact device can be heard up to 1/2 mile away and attaches easily to your belt or wrist with the included Velcro® strap. The Sound 911 Personal Safety Horn is 100% safe for the ozone and requires no wires or batteries.



911 \$12.75 each

LOCKOUT BOXES & EQUIPMENT

MASTERLOCK PORTABLE RED GROUP LOCK BOX - LATCH TIGHT™

- Secure each lockout point on a piece of equipment with just one designated lock
- Capture the keys from those lockout points by placing them in the lock box
- Each authorized employee locks one personal safety lock onto the box, removing them only when their work is complete
- Exclusive Latch Tight feature ensures that keys cannot be accessed until the last lock is removed
- Durable powder-coated red finish with an easy-to-grip, ergonomic handle
- Lockout message in English, Spanish and French communicates to all workers
- Accommodates up to 12 workers, more with the use of lockout hasps



498A\$64.50 each

GENERIC LOCKOUT KIT

- 3 Locks
- 10 Tags
- 3 Hasps
- Gray Box

LOC-CSP\$99.95 each

MASTERLOCK ROTATING ELECTRICAL PLUG LOCKOUT

The Master Lock No. 487 Rotating Electrical Plug Lockout Device accepts cords with up to 3/4in (19mm) diameter and an electrical plug up to 2-1/4in (57mm) diameter x 3-1/4in (83mm). Device surrounds the electrical plug and protect against accidental reconnection. The unique, patented rotating design allows for easier installation in confined space applications. The tough, lightweight Zenex™ Thermoplastic body withstands chemicals and performs effectively in extreme conditions. Includes high-visibility permanent safety labels. For 120 volt plugs and many 240 volt plugs.



487\$10.50 each

MASTERLOCK ADJUSTABLE BUTTERFLY VALVE LOCKOUT

The Master Lock No. S3921 Butterfly Valve Lockout Device and S806CBL3 Adjustable locking cable locks out virtually any butterfly valve in just seconds with use of S806 adjustable locking cable. The easy-to-use wedge-shaped device features a stainless steel rivet allowing device to smoothly pivot open and closed to ensure proper fit and directional application arrows allow for ease of installation and minimize error. Made of durable, lightweight Zenex™ thermoplastic material, device is chemical resistant and performs effectively in extreme environments.



S3921\$32.50 each

NORTH PORTABLE LOCKOUT BOX

- 16 gauge steel sides, 20 gauge steel body and cover
- Red



GLB01 Single, Lockout Box.....\$59.95 each
GLB03/E 13 Lock Group Lockout Box.....\$87.95 each

MASTERLOCK PERSONAL LOCKOUT TOOLBOX

This 17" wide lockable toolbox features an ultra-durable design that keeps important lockout devices and padlocks together.



1457\$27.95 each

FLAMBEAU GRAY UTILITY BOX

The Flambeau 1100 is a Gray single compartment tool box.



- Manufactured from lightweight copolymer resins that are nonconductive, dent-proof, rustproof and scratch-resistant
- Tool box has interior dimensions of 11-1/8" x 5-3/4" x 4" and exterior dimensions of 12-1/8" x 7-1/4" x 4-1/2".

1100\$15.00 each

MASTERLOCK OVERSIZED PLUG AND HOIST CONTROL COVER

The Master Lock No. 453L Large Nylon Oversized Plug & Control Cover features a 7in (178mm) diameter x 17in (432mm) tall flexible and durable rip-stop nylon bag that fits easily in safety tool boxes. Effectively locks out odd size and large electrical connectors and hoist controls and accepts up to 6 padlocks or hasps. Insert PVC tubing to block access to hoist control buttons.



453L\$26.75 each

MASTERLOCK LOCKOUT HASPS

- Lockout by multiple workers at each lockout point
- Keeps equipment inoperative while repairs or adjustments are made
- Control cannot be turned on until last worker's padlock is removed from hasp
- Heavy gauge steel jaw with red vinyl coated handle



L01.0 1" Devices\$5.95 each
L01.5 1" to 1-1/2" Devices\$7.25 each

RIGHT TO KNOW CENTERS/TAGS

RIGHT TO KNOW CENTER

This 24" x 30" high impact plastic display features three 4" deep pockets. The complete center includes the 2-1/2" SDS binder with a 36" chain and 10 booklets: "Hazards in the Workplace: Your Right to Know". The pocket can be personalized with your company name or department.



RTKC-110.....\$104.95 each

EASY CLEAN RIGHT TO KNOW CENTER

Display your Right to Know data in the highly visible center. The PVC wire pocket is sturdy and can be sprayed off for easy cleaning. This display includes binder, chain and 10 booklets.



RTKC-300.....\$73.25 each

SDS BINDER

- Store your company's SDS / MSDS sheets for easy access
- Binder is made of durable polyethylene and comes with sheet lifters
- Ring diameter is 3 inches. Complies with the 2012 OSHA requirements.
- The new official term is "SDS" which stands for "Safety Data Sheets".



MSB-116.....\$14.95 each

HEAVY DUTY DO NOT OPERATE TAGS

- 5-3/4" high x 3-1/8" (14.6cm x 7.9cm) wide heavy duty English tags
- 7/16 dia. brass grommet accepts all safety padlocks
- Complies with OSHA lockout/tagout standard
- Durable polyester laminate resists water, grease and extreme temperatures
- Heavy duty construction withstands over 50 lbs. of pullout force (meets OSHA requirement)
- Customize with name, department, expected completion



497A Bag of 12 Tags with Ties.....\$14.95 each

ACCIDENT PREVENTION TAGS

Plastic tags with "Write On" Surface (Size 3" x 5-3/4"), conform to OSHA Specification 1910.145 for accident prevention tags. Made of unrippable vinyl. Other legends available.



TAG-40-EA Lockout Tag (w/Grommets) \$1.55 each

TAG-12-EA Do Not Operate Tag (Hole Punch, No Grommet) ... \$1.20 each

LOCKOUT TECH CABLE LOCKOUT SYSTEM

The Cable Lockout System, is an adjustable cable lockout system that does not require heavy chains. The unique design of the Cable Lockout System, made of high impact UV resistant Polypropylene plastic, incorporates the features of the hasp, allowing up to six (6) individual operators the use of #3 padlocks to safely lockout their equipment without compromising company safety standards.

Any operator can lockout a valve in THREE easy steps:

- Pull cable through equipment
- Insert cable from the side into the slotted grooves of the base
- Tighten cover by hand, or for extra safety use a 5/8" box end wrench

The Cable Lockout System is designed for use in aggressive Upstream & Downstream environments. It is lightweight, extremely versatile, meets OSHA Lock Out Tag Out standards 1910.147, durable, UV resistant cable can withstand temperature ranges between -65F and +165F, and Made in the USA. Hi-Viz Orange

LOC-HVZ-6 6' Looped Cable.....\$22.95 each

* Can supply 2' - 50' lengths. Available in different colors: Red, Yellow and New Blue. Call for more information.



STREAMLIGHT™ STINGER®

Lightweight, powerful, safety-rated, rechargeable flashlight with durable aluminum construction that makes it virtually indestructible.

- Xenon gas-filled bi-pin bulb; spare bulb in tailcap
- Adjustable focus beam
- Up to 11,000 candela (peak beam intensity); 90 lumens
- 3-cell, 3.6 Volt Ni-Cd sub-C battery, rechargeable up to 1000 times
- 3-cell, 3.6 Volt Ni-MH sub-C battery, rechargeable up to 1000 times.
- Up to 1.25 hours continuous use
- 7.38"
- 10 oz.
- Assembled in USA



75014	Black	\$139.50 each
75914	Replacement Bulb	\$8.95 each
76090	Deluxe Nylon Holster	\$17.50 each

STREAMLIGHT™ JR.® LED

Don't let the name "Junior" fool you. The Streamlight Jr.® LED lights may be lightweight and compact, but the light they produce is anything but small. C4® LED technology emits a blast of bright light with a far-reaching beam that you'd never expect from a flashlight this size. They run up to 4 continuous hours on two "AA" alkaline batteries.



- Powered by two "AA" alkaline batteries (included) or two "AA" lithium batteries.
- 1 watt C4® LED, 50,000-hr. LED
- Up to 3800 candela (peak beam intensity) and 85 lumens measured system output
- Runtime to the 10% output level:
- "AA" Alkaline Batteries – 4 Hours
- "AA" (L91) Lithium Batteries – 5.25 Hours (not included)
- Push button tail switch - momentary or constant on operation
- Shock-resistant / water-resistant
- Includes black nylon flapless holster
- 6.5" long
- 4.1 oz.

71500	Black	\$42.25 each
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STREAMLIGHT™ STYLUS PRO®

A sleek pen light that conveniently fits in your pocket. Ideal for anyone that needs a compact, durable light to carry on a daily basis.

- White C4® LED delivers 65 lumens; 690 candela; runs 6.5 hours
- Push button tail switch – momentary or constant on operation
- Includes two "AAA" alkaline batteries and tear-resistant nylon holster
- Type II MIL-SPEC abrasion and corrosion-resistant anodized aircraft aluminum construction with unbreakable, scratch-resistant polycarbonate lens
- IPX4 water-resistant
- About the size of a marker, it conveniently fits in your pocket and a removable pocket clip ensures it stays in place
- L x D: 5.3" x .6" (134 x 15 mm)
- 1.64 oz (46.9 g)



66118	Black	\$26.25 each
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STREAMLIGHT™ STINGER DS® LED

This all-purpose flashlight is designed for the broadest range of lighting needs at the best value.

DUAL SWITCH TECHNOLOGY – Access three lighting modes and strobe via the tail cap or the head-mounted switch. Switches operate independently.



Three modes and strobe:

- > *High* for a bright super-bright beam - 350 lumens; 24,000 candela peak beam intensity; 310 meter beam distance; runs 2 hours
- > *Medium* for bright light and longer run times – 175 lumens; 12,000 candela peak beam intensity; 219 meter beam distance; runs 3.75 hours
- > *Low* for light without glare and extended run times – 85 lumens; 6,000 candela peak beam intensity; 155 meter beam distance; runs 7.25 hours
- > *Strobe* for disorienting or signaling your location; runs 5.5 hours

- Deep-dish parabolic reflector produces a concentrated beam with optimum peripheral illumination
- C4® LED technology, impervious to shock with a 50,000 hour lifetime
- Regulated run time provides consistent performance throughout battery life
- 3-cell, 3.6 Volt NiCd sub-C battery, rechargeable up to 1000 times.
- 3-cell, 3.6 Volt NiMH sub-C battery, rechargeable up to 1000 times.
- 10 hr. steady charge, 2.5 hr. fast charge, or PiggyBack charger options
- Machined aircraft aluminum body with non-slip rubberized comfort grip
- IPX4 water-resistant; 1 meter impact resistance tested
- Unbreakable polycarbonate lens with scratch-resistant coating
- Includes anti-roll rubber ring
- Length: 8.85" (22.48 cm); Weight: 12.8 oz (364 grams)
- Serialized for positive identification
- Limited lifetime warranty
- Assembled in USA

75812	Black w/12V DC Charger	\$141.95 each
75813	Black w/120V AC/DC Charger	\$167.75 each

Accessories for Stinger Flashlights

75100	Cradle, Steady Charger	\$21.00 each
75175	Battery Stick	\$20.75 each
75103	Fast Charger	\$41.25 each
75276	Piggyback® Charger	\$51.75 each
22311	AC Charge Cord	\$18.50 each
22051	DC Charger	\$12.25 each

STREAMLIGHT™ LITEBOX®

Portable, powerful, industrial-duty, rechargeable lantern with 90°swivel head lets you aim the super-bright light in any direction. High-intensity halogen bi-pin bulb available in 8 watt and 20 watt spot and flood.

Xenon dual filament 8 watt safety bulb features instant backup beam. Light Output in Candela (peak beam intensity) and Lumens. High-impact ABS thermoplastic housing with rubberized impact bumper, lens ring, and cushioned-grip handle. Up to 9 hrs. continuous run time per charge depending on bulb type.

- 11.5" (L) x 5.1" (W) x 7" (H)
- 7.4 lbs.
- Assembled in USA

45116	Orange w/8 Watt Spot	\$183.75 each
45113	Yellow w/20 Watt Flood	\$183.75 each
45937	Battery Stick	\$47.25 each
22311	AC Charge Cord	\$18.50 each



STREAMLIGHT FLASHLIGHTS



STREAMLIGHT™ SL-20LP®

Full-sized, full-feature polymer flashlight with C4® LED technology that delivers a 490 meter beam distance.

- Deep-dish parabolic reflector produces a tight beam with optimum peripheral illumination
- C4® LED technology, with a 50,000 hour lifetime
- Select high, medium, low or strobe modes with multi-function, push-button switch
- **4 modes:**
 - > *High* – 60,000 candela peak beam intensity, 350 Lumens, 2 hour runtime
 - > *Medium* – 27,000 candela peak beam intensity, 160 lumens, 4 hour runtime
 - > *Low* – 1,000 candela peak beam intensity, 10 lumens, 50 hour runtime
 - > *Strobe* – 4 hour runtime
- Illuminated switch housing shows charge status
- Optimized electronics provide regulated intensity throughout battery charge
- Lightweight, impact-resistant nylon polymer construction with non-slip rubber comfort grip
- NiMH battery rechargeable up to 1,000 times; fully recharges in 7 hours
- Fits SL series charger-holders
- IPX4/water resistant
- Unbreakable polycarbonate lens with scratch-resistant coating
- 2 meter impact resistance tested
- Serialized for positive identification
- 13.2" (33.5 cm)
- 1.3 lbs. (.59 kg)
- Limited Lifetime Warranty
- Assembled in USA



- 25213 Orange, 120V AC/DC – 2 Sleeves NiMH\$139.95 each
- 22052 Charging Sleeve (cord not included).....\$11.50 each
- 22311 AC Charge Cord.....\$18.50 each

STREAMLIGHT™ SL-20L®

Full-sized, full-feature aluminum flashlight with C4® LED technology that delivers a 490 meter beam!

- Deep-dish parabolic reflector produces a tight beam with optimum peripheral illumination
- C4® LED technology, with a 50,000 hour lifetime
- Select high, medium, low or strobe modes with multi-function, push-button switch
- **4 modes:**
 - > *High* – 60,000 candela peak beam intensity, 350 Lumens, 2 hour runtime
 - > *Medium* – 27,000 candela peak beam intensity, 160 lumens, 4 hour runtime
 - > *Low* – 1,000 candela peak beam intensity, 10 lumens, 50 hour runtime
 - > *Strobe* – 4 hour runtime
- Illuminated switch housing shows charge status
- Optimized electronics provide regulated intensity throughout battery charge
- NiMH battery rechargeable up to 1,000 times; fully recharges in 7 hours
- Fits SL series charger-holders
- Anodized machined aluminum construction with knurled barrel for a sure grip
- IPX4/water resistant.
- Unbreakable polycarbonate lens with scratch-resistant coating
- 2 meter impact resistance tested
- Serialized for positive identification
- 13.1" (33.3 cm)
- 1.7 lbs. (.77 kg)
- Limited Lifetime Warranty
- Assembled in USA

- 20703 Black, 120V AC/DC – 2 Sleeves NiMH\$172.25 each
- 22052 Charging Sleeve (cord not included).....\$11.50 each
- 22311 AC Charge Cord.....\$18.50 each

STREAMLIGHT™ STRION® LED

Compact, professional light designed for the broadest range of lighting needs at the best value. The Strion LED is now brighter at 260 lumens!



- Multi-function, push-button tactical tail switch lets you select three lighting modes and strobe
- **4 modes:**
 - > *High* for a bright super-bright beam - 260 lumens; 10,000 candela peak beam intensity; 200 meter beam distance; runs 2 hours
 - > *Medium* for bright light and longer run times – 130 lumens; 5,000 candela peak beam intensity; 141 meter beam distance; runs 4 hours
 - > *Low* for light without glare and extended run times – 65 lumens; 2,500 candela peak beam intensity; 100 meter beam distance; runs 7.5 hours
 - > *Strobe* for disorienting or signaling your location; runs 5.5 hours
- C4® LED technology, impervious to shock with a 50,000 hour lifetime
- Optimized electronics provides regulated intensity
- Lithium ion battery is rechargeable up to 1000 times; fully recharges in 3 hrs.
- Clamp style charger holder with digital control circuit that prevents over-charge; LED indicates charge status
- IPX4 water-resistant; 2 meter impact resistance tested
- 6000 series machined aircraft aluminum with anodized finish
- Borofloat high temperature glass lens
- Anti-roll head prevents the light from rolling away when you set it down
- Grooved barrel adapts to long gun mount
- 5.9" (14.99 cm); 5.2 oz. (148 grams)
- Serialized for positive identification
- Limited lifetime warranty

- 74302 Black, 120V AC/DC – 2 Holders\$172.50 each
- 22311 AC Charge Cord.....\$18.50 each
- 74102 Charging Cradle\$36.75 each



STREAMLIGHT™ STRION LED HL®

When you need maximum illumination with a wide beam to search a large area the Strion LED HL® rechargeable, high lumen flashlight provides a blast of 500 lumens with 200 meters of beam distance.



- Multi-function On/Off push-button tail switch lets you choose three lighting modes and strobe

• **4 modes:**

- > High for a super-bright beam - 500 lumens; 10,000 candela peak beam intensity; 200 meter beam distance; runs 1 hour
- > Medium for bright light and longer run times – 250 lumens; 5,000 candela peak beam intensity; 141 meter beam distance; runs 2 hours
- > Low for light without glare and extended run times – 125 lumens; 2,500 candela peak beam intensity; 100 meter beam distance; runs 3.5 hours
- > Strobe for disorienting or signaling your location; runs 2.5 hours

- C4® LED technology, impervious to shock with a 50,000 hour lifetime
- Lithium ion battery is rechargeable up to 1000 times; fully recharges in 3 hrs.
- Clamp style charger holder with digital control circuit that prevents over-charge; LED indicates charge status
- IPX4 water-resistant; 2 meter impact resistance tested
- 6000 series machined aircraft aluminum with anodized finish
- Borofloat high temperature glass lens
- Anti-roll head prevents the light from rolling away when you set it down
- Grooved barrel adapts to long gun mount
- 5.9" (14.99 cm); 5.2 oz. (148 grams)
- Serialized for positive identification
- Limited lifetime warranty



74752 Black, 120V AC/DC Charger – 2 Holders	\$198.25 each
22311 AC Charge Cord.....	\$18.50 each
74102 Charging Cradle	\$36.75 each

CREE LED FLASHLIGHT, 1600 LUMENS

Made of high quality 6061T aluminum alloy, this flashlight is sturdy and durable enough for long time daily use. Lamp base: CREE, high power LED with a lifespan of up to 100,000 hours. 3 modes of operation. Includes flashlight, battery and charger.



- Adjustable focus torch
- Super bright, blinding effect
- Water resistant
- Multi-mode adjustable brightness zoom in and out

CREE LED FLASHLIGHT	\$16.95 each
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SELECTING A FLASHLIGHT: 101 (From opticsplanets.com)

Incandescent bulbs use a thin filament with current passing through it. The filament gets hot, and this excitement causes the filament to glow, making light. The sealed glass surrounding it prevents oxygen from corroding the filament. Gasses sealed in this glass like xenon and halogen increase the operating temperature of the filament, making the bulb brighter and keeping the interior glass cleaner. The life of the filament is also increased. Argon and Krypton are also used but are not as efficient for flashlights. These bulbs are generally not very durable or shockproof, but they do offer an extremely bright white light and are easily focused. They are the most powerful, have great performance and are a great choice for long distances, so if you're buying a light for situations where a lot of light is needed but it doesn't get rough, an incandescent flashlight may be the way to go.

LEDs - Light Emitting Diodes. LEDs have solid state construction and are extremely durable. Because of their long life (up to 100,000 hours) they do not require periodic replacement, which is great if you're looking to save money in the long run when selecting a flashlight. They have a soft, easy glow and are great for close viewing. They are generally not nearly as powerful as incandescents, but lower powered bulbs can have run times with hundreds of hours in some flashlights.

HIDs - High Intensity Discharge bulbs use a capsule of metal vapor instead of a filament. Many times brighter than standard incandescents, but require a ballast for current control. Bulbs last at least twice as long as incandescents and emit a very bright white light using less power.

Brightness - Candlepower or "peak beam candlepower" is the measurement of the brightest spot in a flashlight's beam, with focus not taken into consideration. A lumen is the measurement of all visible light. The best way to get an idea what amount of lumens or candlepower you need for your application is by viewing a light and finding out what the numbers are. When you get an idea what the numbers are for a couple lights you have seen, you'll get an idea of how much light you're going to want for your application. A keychain light might be one lumen. Some 2AA penlights with a single one watt LED lamp will offer about 45 lumens and run for over three hours. This is useable for most tasks from changing a car tire to preparing food at a campsite. This same light won't illuminate a raccoon twenty yards away very well, but if it had an incandescent bulb which is more focusable it certainly would. Drain on the battery would be significantly more though, decreasing run time. Brightness is very important when selecting a flashlight. If your light isn't bright enough you won't be happy with the purchase, so be sure to take a look at the various numbers, and pick an option that is bright enough for your needs.

FLASHLIGHTS

BAYCO NIGHTSTICK INTRINSICALLY SAFE FLASHLIGHT

This non-rechargeable Dual-Light™ Flashlight is cETLus, ATEX, IECEx and MSHA listed Intrinsically Safe. Permissible for use in both above and below ground hazardous locations where explosive gases and dusts may be present. It uses a CREE® LED rated at 120 lumens that works in conjunction with a high-efficiency deep parabolic reflector to create a usable flashlight beam rated at 170 meters. A 120 lumens unfocused floodlight is integrated into the housing which is perfect for close-up illumination. Additionally, both the flashlight and the floodlight can be turned on at the same time for maximum versatility. The dual body switches provide momentary or constant-on functionality for the flashlight and on/off functionality for the floodlight. Power comes from 3 AA premium batteries (not included).



XPP-5422G Bright Yellow \$35.00 each

RAYOVAC INDUSTRIAL GRADE 2D FLASHLIGHT

- Krypton bulb with a prismatic reflector and a shock absorbing spare bulb holder
- Includes a protected slide switch, consumer preferred comfort grip, and extra tough hanging ring
- Resists water, chemicals, oil, gas, and grease
- Runs on 2 D batteries (not included)
- Durable polypropylene construction withstands a 7 foot drop test and has a full lifetime warranty



IN2 Krypton Yellow\$7.50 each

RAYOVAC 2D UTILITY FLASHLIGHT

- Yellow
- 2D Cell
- Standard bulb
- Grooved for added grip
- Handy hanging lanyard



H-22\$2.69 each

NITEGUIDE 210 LED TORCH

At 210 lumens this light is 5 xs brighter than a traditional D-cell incandescent flashlight, and LED bulbs never need replacing. Focus Control shifts from 1X Flood to 4X Spot. Option of momentary or constant "ON" setting. Water and Impact Resistant. Aluminum housing is anodized for durability. Features knurled tail cap for secure handling. Uses 2 x 3V CR123A Lithium batteries.



2640050 \$49.95 each

PELICAN™ STEALTHLITE™ FLASHLIGHT

Stealthlite™ Flashlights are watertight to 500ft. Unbreakable ABS body with a hi-impact polycarbonate lens. Features Pelican's state of the art Laser Spot™ Xenon lamp module with an unsurpassed white collimated light beam. FM, CSA, UL, CE and MSHA approved non-incendive. Comes with one-handed safety switch operation, double shock mounted batteries.



2400C Yellow\$39.95 each

PELICAN SABRELITE™ FLASHLIGHT

This powerful flashlight was designed with one thing in mind: SAFETY. It carries more approvals than any other flashlight on the market today, making it safe for any hazardous environment or condition. The SabreLite is o-ring sealed with a twist-on shroud and comes with a polarity battery guard tray that safeguards against dangerous "outgassing" of hydrogen from an accidentally reversed cell. It is powered by 3 C alkaline cells, submersible, and has an ABS resin body which resists chemicals, corrosion, and extreme temperatures. Unlike ordinary flashlights that produce a yellow beam, the SabreLite's incredibly bright Xenon lamp produces a powerful collimated white beam. Pelican's SabreLite is the leader in quality and performance.



2000CYEL..... \$39.95 each

SAFETY WANDS

BAYCO SAFETY LIGHT COMBO KIT

- All LED construction
- Has both a tight-beam long-throw flashlight and a wide-angle two colored flashing safety light array
- Lighting modes: momentary and constant-on flashlight, full-power constant-on white floodlight, flashing amber safety light & dual-light (both the flashlight & floodlight or flashing safety light array at the same time)
- All LEDs have a 35,000 hour life
- Two button design top: flashlight, bottom: floodlight/safety light
- Light weight and durable
- Oval shape with textured body and soft-touch finish feels great in your hand
- Impact, chemical and moisture resistant
- Powered by 4 AA batteries (included)
- Kit includes one heavy weighted magnetic base and one red safety cone



NSP-1174-K01..... \$45.00 each

BRIGHT STAR® DIRECTOR FLASHLIGHT

Famous No. 2618 type flashlight with rugged high impact plastic case. Special lens ring allows wand to snap in or out as required. Fluorescent red wand standard. Features include: slide switch, Tufflex® lens, spare bulb.



2495 Yellow, w/Red Safety Cone \$45.99 each

RAYOVAC SAFETY WAND

W88 8" Red Wand\$14.95 each



GLO-STICKS

- 6" Length
- 12 Hour
- Assorted Colors



GLO-STICK \$2.00 each

*Quantity Discounts Apply - Call for Details

2AAA MINI POCKET LIGHT

The perfect choice for a light to carry with you at all times. Fits on a key ring, hides in your pocket or clips to the brim of your hat (accessory clip & batteries included).



- 09005 Safety Yellow..... \$15.95 each
- 09007 Black..... \$15.95 each

UK4AA XENON FRONT SWITCH

The most versatile and powerful light for its size. This high intensity light with compact parallel battery configuration and twist on/off operation is fully accessorized. A necessity for confined space workers, municipalities, utility companies, safety inspectors, police and firefighters. Batteries included.



- 14026 Safety Yellow..... \$25.50 each
- 14027 Black..... \$25.50 each
- 14031A Orange..... \$25.50 each

UK4AA eLED ZOOM FRONT SWITCH

Firefighters and industrial workers all over the world trust UK's 4AA eLED® Zoom flashlight to get the job done. It can be easily attached to a hardhat or helmet for superior hands-free illumination. Unique zoom feature uses patented projection optics to create a consistent beam that can be focused from wide to narrow by twisting the bezel. Single high-intensity 2-watt LED lasts for thousands of hours and will not break when dropped. Unique eLED circuitry maintains constant brightness for 80% of alkaline battery life. Rubber sheath molded over bezel to reduce glare and improve impact resistance.



- 14502 Black..... \$48.99 each
- 14506 Safety Yellow..... \$48.99 each

UK3AA eLED CPO TAIL SWITCH

This flashlight features superior LED technology that is lightweight and affordable. It is the most compact light in its class, so it can go anywhere you go, via pocket, belt pouch, or helmet clip. It features an entirely waterproof design for all weather use. Push-button tail switch switches light between ON/OFF with continuous or momentary action. Beam produces a bright spot with almost no peripheral light so nearby personnel are not affected. Powered by 3AA / LR6 Alkaline cells. Crafted from high impact ABS, LEXAN® and polyurethane rubber for durability.



- 10001A Safety Yellow \$42.99 each

UK4AA eLED CPO TAIL SWITCH

The UK4AA eLED® CPO flashlight matches powerful performance with a sleek, compact design that can be operated with gloves. Its LED lamp is, long-lasting and provides a wide beam for superior illumination. Waterproof design for all weather use. Beam produces an ultra bright spot with almost no peripheral light so nearby personnel are not affected. Its life expectancy is well over 50,000 hours.



- 14431 Safety Yellow..... \$56.99 each

REPLACEMENT LAMPS & OTHER ACCESSORIES FOR UK LIGHTS

- D1302-0034 Lamp/Reflector for 2 AAA Lights \$10.95 each
- D1402-0 Lamp/Reflector for 4AA Xenon Lights..... \$10.95 each
- 14804 3AA & 4AA Universal Adjustable Helmet Clip, Metal..... \$14.25 each
- H1022-4 3AA & 4AA Nylon Belt Pouch..... \$12.95 each
- H1020-5 4AA Safety Wand Attachment - Orange \$8.50 each
- 14807 4AA Nylon Pocket Clip \$3.75 each

DURACELL® DURACELL® PROCELL® ALKALINE BATTERIES

- Dependable, long lasting power with up to a 7-year freshness guarantee
- Date coded to ensure freshness
- Lasts up to 10 times longer than super heavy duty and carbon zinc batteries in power-demanding applications



Part Number	Type/Voltage	Price Each
PC1300	D Battery	\$1.08
PC1400	C Battery	\$1.08
PC1500	AA Battery	\$0.75
PC1604	9 Volt Battery	\$1.88
PC2400	AAA Battery	\$0.75

RAYOVAC® RAYOVAC® ALKALINE BATTERIES

- Lasts as long as Duracell Coppertop and Energizer Max
- More power for your money
- Mercury free formula
- Guaranteed fresh for 7 years (5 years for 9V)



Part Number	Type/Voltage	Price Each
AL-9V	9 Volt Battery	\$1.95
AL-AA	AA Battery	\$0.67
AL-AAA	AAA Battery	\$0.67
AL-C	C Battery	\$0.90
AL-D	D Battery	\$0.90
HD-6V	Heavy Duty 6 Volt	\$2.25



HEADLAMPS

LIGHTS

PETZL® TIKKA® + HEADLAMP

Headlamp with CONSTANT LIGHTING technology for outdoor activities. 140 lumens maximum. The TIKKA + headlamp meets the need for versatility during outdoor activities: proximity lighting, lighting for travel, Boost mode for temporary access to maximum power of 140 lumens, red lighting and strobe mode usable at any time to signal one's presence. The headlamp features CONSTANT LIGHTING technology: brightness does not decrease gradually as the batteries are drained.



- Ambient mode: wide beam with reduced brightness, avoids blinding others in a group situation and provides a long burn time
- A mode adapted for close range vision: mixed beam with wide, uniform flood
- A mode adapted for movement: mixed beam with focused component allows user to move around comfortably
- Boost mode for temporary access to maximum power
- Red lighting for discreet close range vision
- Strobe mode for signaling one's presence, accessible at any time
- Burn time management allows user to easily anticipate battery replacement:
- Automatically switches to reserve mode when batteries are almost drained (signaled by blinking light)
- Red lighting switches on when batteries are practically empty to preserve maximum visibility
- By using Ni-MH or lithium batteries you can double the burn time while keeping the same brightness
- Push-button is easy to use, even with gloves
- Mixed fabric and elastic headband for improved comfort and support during dynamic activities
- Washable headband
- Battery case opens easily for changing batteries
- Beam pattern: mixed
- Energy: 3 AAA/LR03 batteries (included)
- Battery compatibility: rechargeable Ni-MH and lithium
- Certification(s): CE
- Watertightness: IP X4 (weather resistant)

E97HG Gray \$38.95 each

PETZL® ZIPKA® HEADLAMP

Ultra-compact headlamp for proximity lighting and some movement. 80 lumens maximum. The ZIPKA headlamp will accompany you wherever you go. Its exclusive retractable cord makes it extremely compact, practical to transport and versatile to wear. It offers comfortable proximity lighting that allows for some movement. Maximum brightness is 80 lumens over a distance of 50 meters. This headlamp has two lighting modes to adapt the brightness to each situation.

- Petzl's exclusive adjustable retractable cord
- Can be worn on the head, on the wrist or attached to a tent pole, a seat post...
- Proximity lighting mode: wide, comfortable beam for close-range vision
- Mode for limited movement: wide beam allows movement over short distances
- Push-button for easy, quick lighting mode selection
- Phosphorescent reflector allows the lamp to be located in the dark
- Battery case opens easily for changing batteries
- Beam pattern: wide
- Energy: 3 AAA/LR03 batteries (included)
- Battery compatibility: rechargeable Ni-MH
- Certification(s): CE
- Watertightness: IP X4 (weather resistant)



E93ZB Victoria Blue..... \$38.95 each

PETZL® TACTIKKA® + HEADLAMP

The TACTIKKA + headlamp is designed for activities where stealth is key. Its mixed beam is adapted to close-range vision and to moving around. Red lighting for stealth when necessary. Maximum brightness is 140 lumens over a distance of 60 meters. The headlamp features CONSTANT LIGHTING technology: brightness does not decrease gradually as the batteries are drained.



- Headlamp keeps the hands free
- Minimum 5 lm for 40 h
- A mode adapted for close range vision: mixed beam with wide, uniform flood
- Modes adapted for movement and rapid movement: mixed beam with focused component allows user to move around comfortably
- Boost mode for temporary access to maximum power
- Red lighting for discreet close range vision
- Strobe mode for signaling one's presence, accessible at any time
- Burn time management allows user to easily anticipate battery replacement:
- Automatically switches to reserve mode when batteries are almost drained (signaled by blinking light)
- Red lighting switches on when batteries are practically empty to preserve maximum visibility
- Push-button is easy to use, even with gloves
- Headband adjusts easily with buckle, for easy donning
- Washable headband
- Battery case opens easily for changing batteries
- Beam pattern: mixed
- Energy: 3 AAA/LR03 batteries (included)
- Battery compatibility: rechargeable Ni-MH and lithium
- Certification(s): CE
- Watertightness: IP X4 (weather resistant)

E89AHB-N Black \$43.95 each



HEADLAMPS

PETZL® PIXA® SERIES HEADLAMPS

The PIXA® series headlamp is rugged, versatile and adapt to any situation: close-range work, movement, and long-range vision. CONSTANT LIGHTING technology: brightness does not decrease gradually as the batteries are drained. Depending on the need, it may be worn on the head, mounted on the helmet, or placed on the ground.



- Several lighting modes adapt to each situation:
- Automatically switches to reserve mode when batteries are almost drained (signaled by blinking light and red indicator)
- Knob is easy to use, even with gloves on
- Storage position helps protect the headlamp lens and prevents inadvertently turning it on
- May be used in explosive atmospheres (ATEX: Zone 2/22)
- Excellent resistance to falls (2 m), impacts, and crushing (80 kg)
- Comfortable and washable elastic headband
- Resistant to chemicals
- Weight: 160 g
- Technology: CONSTANT LIGHTING
- Beam pattern: wide, mixed, focused
- Energy: 2 AA/LR06 batteries (included)
- Battery compatibility: rechargeable Ni-MH and lithium
- Multiple Certifications for each model
- Watertightness: IP 67 (waterproof to -1 meter for 30 minutes, no maintenance required after immersion)

Part Number	Name	Lumens	Description	Price
E78AHB 2	PIXA 1	50	Wide Uniform Beam, Class I Div II	\$37.95
E78BHB 2	PIXA 2	70	Mixed Beam, Wide Range & Movement, Class I Div II	\$58.95
E78CHB 2	PIXA 3	100	Wide Range, Movement & Long Distance, Class I Div II	\$73.95
E78CHR 2	PIXA 3R	90	Rechargeable, Multi-Beam, Wide Range, Movement & Long Distance	\$138.95

PETZL® VERTEX® BEST HELMET

With its strong chinstrap, the VERTEX® BEST helmet sets the standard in head protection for workers at height. Its unventilated shell protects against electrical hazards and molten metal splash. Its six-point textile suspension ensures maximum comfort, and its CenterFit adjustment system adjusts the headband and keeps the helmet centered on the head. The VERTEX® BEST is designed for optimal attachment of a PIXA or ULTRA VARIO headlamp, a VIZIR, VIZIR SHADOW or VIZEN protective shield, and hearing protection. Other colors available.



A10BOA Orange \$113.95 each

NOTES

HEADLAMPS

BAYCO™ INTRINSICALLY SAFE HEADLAMP

This non-rechargeable dual-function headlamp is cETLus, ATEX and IECEx listed Intrinsically Safe for use in both above and below ground hazardous locations where explosive gases and dusts may be present. This headlamp features a multi-position tilt head design and includes an elastic head strap with a non-slip lining and a heavy-duty rubber head strap for use on a hard hat. The top mounted switch provides user selectable high or low brightness spotlight operation. Power comes from 3 AAA premium batteries (included).



- cETLus, ATEX and IECEx listed Intrinsically Safe for use in both above and below ground hazardous locations where explosive gases and dusts may be present
- CREE® LED technology – 50,000+ hours LED life
- High-brightness spotlight, low-brightness spotlight
- Focused spotlight beam for distance illumination
- Engineered polymer housing
- Single switch located on top of light
- Adjustable ratchet tilt head
- Non-slip elastic head strap
- Heavy-duty rubber strap for hard hat applications
- Waterproof
- Impact & chemical resistant
- Powered by 3 premium AAA alkaline batteries (included)

XPP-5452G \$32.95 each

3AAA eLED® VIZION™ I HEADLAMP

For superior hands-free illumination in every situation, count on the Vizion I. Hit it, freeze it, dunk it—it will keep on working. The Vizion I has all the features of the original Vizion and is available either with the traditional black woven band or a unique contoured rubber band designed specifically to firmly grip your helmet. The Vizion I is remarkably lightweight and waterproof for use in the most challenging climates and conditions. Safety certified for use in hazardous locations. Contains 3 selectable beam patterns - Spot, Diffuse and Red Diffuse. High and Low power settings. Large push button control switch works with heavy gloves. LED lamp module can be removed from mounting strap for use as a portable work light. Rotating beam angle adjustment knob, no hinge to break. High impact ABS, LEXAN® and molded rubber construction for durability.



17007 Safety Yellow..... \$37.25 each

MAXXEON WORKSTAR® 620 TECHNICIAN'S HEADLAMP

The MAXXEON WorkStar® 620 Technician's Headlamp is a high performance rechargeable LED light with an output of up to 800 lumens. It features a light head that not only pivots up and down, but has an adjustable 6X zoom lens allowing you to focus the beam on your work area. With the light at the front and the batteries at the rear, the weight is evenly distributed, making it easy to wear for extended periods of time. A single switch allows you to cycle through High/Medium/Low/Off.

- Rugged aluminum alloy casing
- 3 brightness levels: High, Medium, Low
- High: 800 lumens, 2 hour run time
- Medium: 400 lumens, 4 hour run time
- Low: 200 lumens, 8 hour run time
- Adjustable 6X zoom lens for flood or spot lighting
- Light head aims forward and pivots down
- 90 degrees with 4 indent positions
- Comfortable, adjustable head strap
- Evenly distributed weight balance
- Recharges without removing the batteries
- 4 hour charge time
- Includes UL-approved 100-240 VAC,
- 50/60 Hz world charger



MAXXEON 620..... \$38.95 each

BRUNTON GLACIER™ 69 HEADLAMP

Precision dimming mode lets you dial-in the exact power beam you're looking for and an advanced power management system ensures the lamp won't burn too high as the battery level starts getting low. On-board battery indicator clues you into how much you have left to burn. Ultra efficient green light mode keeps you unseen in the field and is easier on the eyes than standard red LEDs.



- Efficient and inconspicuous green light mode
- Dispersed reading light mode
- Power management system for maximal burn time
- Nichia LEDs
- 3 AAA batteries included
- On board battery level indicator
- 30 lumens, 69 foot beam on high
- International SOS flash
- Power lock-out mode prevents accidental power drain

GLACIER 69..... \$24.99 each

BRUNTON® GLACIER 115 HEADLAMP

USB RECHARGEABLE - Running out of batteries is more than just a bummer. In the dark places of the world, it can be dangerous. Luckily, the Glacier 115 headlamp is equipped with a USB port allowing you to juice-up rechargeable AAA batteries from a Brunton USB-based power pack or solar panel. Brunton® SyncTech enabled, charge renewable AAA batteries from Brunton® power packs or solar panels.



- Efficient and inconspicuous green light mode
- Dispersed reading light mode
- Power management system for max burn time
- Nichia LEDs
- 3 rechargeable AAA batteries included
- Can also use standard batteries
- On board battery level and charge indicator
- 50 lumens, 115 foot beam on high
- International SOS flash
- Power lock-out mode prevents accidental power drain

GLACIER115..... \$49.99 each

COAST™ HL6 LED HEADLAMP

The Coast HL6 is a great all around use LED headlamp. It produces a Bulls Eye spot beam pattern giving you a great focused spot with a maximum beam distance of 119 meters (390 feet), while producing an outer ring of flood light which allows you to see a broader area for added side vision. A handy dimming function allows you to adjust your light output to just the right level for your application. For added durability, an expandable Z-Cord provides power to the LED from the battery pack and is built in to the headband to reduce the possibility of snagging. Tested and rated to ANSI/FL1 standards, the HL6 features an unbreakable LED and is impact and water resistant. Backed by Coast's lifetime warranty against defects in materials and workmanship.



- 285 lumen light output
 - 1 hour 30 minute runtime
 - 119 meter (390 ft) beam distance
 - 3 X AAA batteries (included)
 - Z Cord in headband for added durability
 - Adjustable elastic straps
 - Easy to operate front power switch
 - Impact and water resistant
 - Hinged beam adjustment to position light where you need it
 - Weight: 4.2 ounces (including batteries)
- 7468\$34.95 each**

COAST™ HL27 LED HEADLAMP

Incredibly versatile and easy to use, the HL27 Focusing Headlamp has a light output of 330 lumens making it excellent for a variety of uses where you might need a lot of light. It has a removable top strap and can be used with a HARD HAT style safety helmet using the included helmet clips. The easy-to-grip twist focusing ring makes it easy to adjust the beam from flood to spot, even while wearing gloves. Our Pure Beam Focusing Optic produces our largest, Ultra-View Flood Beam, giving you the ability to shed light on a big area while the Bulls-Eye Spot Beam can illuminate targets as far as 129 meters (423 feet) away while still giving you an enhanced field of vision with its transition halo. The patent-pending headlamp light-control system uses Coast's Light Output Control Wheel and a fully encased sensor that detects a magnetic field, making the light output control more durable and weatherproof. For added durability, an expandable Z-Cord provides power to the LED from the battery pack and is built in to the headband to reduce the possibility of snagging. Backed by Coast's lifetime warranty against defects in materials and workmanship. Tested and rated to ANSI/FL1 standards by an independent laboratory.



- Pure Beam Focusing Optic
 - Twist focus
 - 330 lumen light output
 - 8 hour 45 minute runtime
 - 129 meter (423 ft) beam distance
 - Removable top strap
 - 3 X AA batteries (included)
 - Expandable Z Cord in headband for added durability
 - Adjustable elastic straps
 - Easy to operate front power switch
 - Hinged beam adjustment to position light where you need it
 - Impact and water resistant
 - Weight: 7 oz. / 199 g (including batteries)
- 19722\$59.95 each**

WORKLIGHTS

DESIGNER'S EDGE 1244 LUMEN LED 120V POWER LIGHT

- Indoor / Outdoor
- Approvals: cULus
- Die Cast Housing, Green Finish
- Steel handle w/ Foam Padding
- Steel H Frame Stand
- Nonmetallic Reflector
- Weatherproof Push button power switch
- 12.75" X 11.25" X 5.71"
- Lamp type: (40) 5630 SMD LED's
- Lumens: 1,224



L1324\$89.95 each

DESIGNER'S EDGE TWIN HEAD TELESCOPING TRIPOD ARRAY LED WORK LIGHTS

2 high intensity bright white paragon array LED's. Shadow-free 120 degree wide angle light beam produces 6,354 lumens to provide plenty of light output. Diecast housing with steel H-base for durability on jobsites stays cool to the touch. Aim-N-Go tool free head adjustment. Tripod telescopes from 24" to 54".



L1326 92-watt, 6,354 Lumens\$223.95 each
L1682 46-watt, 1,474 Lumens\$149.95 each

COAST™ HL5 LED HEADLAMP

Using the Max Beam Optics System, the Coast HL5 LED Headlamp combines brightness, long battery life and low cost. With a 175 lumen output and a broad, even beam, this headlamp can be used in almost any situation where you need to light up a large area, indoor or out. Backed by Coast's lifetime warranty against defects in materials and workmanship. Tested and rated to ANSI/FL1 standards by an independent laboratory.



- 175 lumen output
 - 3 hour 15 min runtime
 - 56 meter (183 ft) beam distance
 - Front switch
 - Hinged attachment to position beam
 - 3 X AAA batteries (included)
 - Impact and water resistant
 - Weight: 4.4 oz. / 125 g (including batteries)
- TT7041CP\$24.95 each**

BRINKMANN/Q-BEAM SPOTLIGHTS

MAX MILLION II RECHARGEABLE SPOTLIGHT 2,000,000 Candlepower

Powerful rechargeable spotlight provides cordless operation for portability. The 12-volt rechargeable battery has a "quick-charge" feature reducing charge time by 50% and an LED light that turns off when fully charged. 120-volt AC charger operates from a wall outlet to charge battery in or out of spotlight. 12-volt DC charger/adaptor operates from a cigarette lighter receptacle or battery pack to charge battery in spotlight or provide continuous corded operation once the battery is drained.



Features include:

- Quick-release tabs for easy battery removal and replacement
- Trigger switch
- Locking ON button
- Rubberized pistol grip
- Metal bracket for hanging or storage
- ABS plastic housing
- Super bright halogen bulb

- 800-2655-2 Spotlight\$59.75 each
 802-2655-0 Replacement Battery, Horizontal\$18.95 each
 802-1747-0 Replacement Bulb\$15.95 each
 802-0018-0 120V AC Charger\$11.95 each
 802-0019-0 Rechargeable DC Lighter Plug\$8.95 each

MAX MILLION III RECHARGEABLE SPOTLIGHT

Keep the Brinkmann Max Million III Rechargeable Spotlight handy for emergency situations, camping, or any other outdoor adventure. This high-intensity spotlight delivers 3 million candlepower of bright light. Conveniently change from a wide-angle floodlight beam to a spotlight focused beam. This cordless rechargeable spotlight is made from durable ABS plastic and a tempered glass lens.



- 800-2380-0\$59.75 each

LEGEND 3D FLASHLIGHT

The Brinkmann Legend is constructed of machined, aircraft-grade aluminum with durable anodized finish. It has a krypton bulb for maximum brightness and comes with a push button ON/OFF switch. It goes from a spot-to-flood with the twist of the top and you are able to remove the head and use it as an area light. It is shock and water resistant and includes an extra bulb in the tail cap. Batteries not included.



- 863-0500-0 \$24.95 each

LEGEND 4D FLASHLIGHT

This Brinkmann 4D Legend flashlight is constructed of machined, aircraft-grade aluminum with tough anodized finish. It comes with O rings throughout for water and shock resistance. It features push-button On/Off switch and comes equipped with a Krypton bulb for maximum brightness.



- 863-0600-0 \$27.95 each

MAX MILLION III 12-VOLT SPOTLIGHT

Powerful 3 million candle power, 12-volt handheld spotlight produces a super high-intensity beam.



Max III features a powerful halogen bulb for maximum brightness, tough ABS plastic construction and an easy access On-Off sliding switch. It's tempered glass lens, rubber gasket lens seal for water and shock resistance and convenient metal bracket for hanging or storage makes this spotlight perfect for auto and boat storage. Comes with a heavy gauge 8 foot coiled cord and 12VDC plug with LED indicator light. Also includes a handy carrying case.

- 800-2301-0\$33.95 each
 802-2655-3 12V Vertical Battery\$18.95 each

Q-BEAM 3 LED LITHIUM RECHARGEABLE SPOTLIGHT

Spot anything, anywhere, anytime with the Brinkmann Q-Beam Spotlight. A powerful high quality bright white LED provides targeted spot lighting, and the no slip rubber grip makes for easy handling. Great for camping, home security, or any other outdoor night activity



- 800-2801-S\$59.75 each
 802-2655-3 Replacement Battery, Horizontal\$18.95 each
 802-0018-0 120V AC Charger\$11.95 each
 802-0019-0 DC Lighter Plug\$8.95 each

Accessories for Q-Beam Spotlights

- 802-1705-0 10' Pigtail Adapter\$15.95 each
 802-1706-0 15' Lighter Plug Extension Cord\$18.95 each
 802-1702-0 Carrying Case\$11.95 each

MAX MILLION II & III SPOTLIGHT FILTERS

Lens Filters easily snap-on to Max Million II & III rechargeable spotlights/floodlights for color effect.



- 550-0050-1 Red \$6.95 each
 550-0050-2 Amber \$6.95 each
 550-0050-3 Blue \$6.95 each
 550-0050-4 3 Color Combo Pack\$18.95 each

Q-BEAM & MAX MILLION I LENS FILTERS

Lens Filters easily snap-on to Max Million I & Q-Beam rechargeable spotlights/floodlights for color effect.



- 802-1703-1 Amber \$6.95 each
 802-1703-2 Red \$6.95 each
 802-1703-3 Blue \$6.95 each



GOLIGHT®

GOLIGHT® SEARCHLIGHTS

LIGHTS

Halogen, 12 Volt Searchlights

- Exclusive CR5 Pentabeam Technology
- Wireless or Hardwired Remote Control Options
- Permanent or Portable Mounting Options
- 370° Rotation x 135° Tilt
- 225,000 Candela, Max Beam Distance 3,113 ft.
- 5.5 amps
- 8° Beam Angle
- 65 watt H9 Bulb
- UV Ray and Saltwater Resistant
- 3 Year Limited Warranty

RADIORAY® PORTABLE W/WIRELESS REMOTE

Wireless handheld remote controlled portable search light. Unit Size: 7" x 7" x 8"

Package Includes:

- Programmable Wireless Remote
- Suction Cup & Magnetic Mount Shoe
- 15' Cord with Cigarette Plug for 12v DC
- Rockguard Lens Cover



- 7901 White\$259.00 each
- 7951 Black\$259.00 each

GOLIGHT® PORTABLE W/WIRED REMOTE

Remote controlled portable searchlight. Unit Size: 7" x 7" x 8"

Package Includes:

- Handheld Wired Remote
- Suction Cup & Permanent Mount Shoe
- 15' Cord with Cigarette Plug for 12v DC
- Rockguard Lens Cover



- 5149 Charcoal\$129.00 each

RADIORAY® PERMANENT W/WIRELESS REMOTE

Wireless handheld remote controlled permanent searchlight. Unit Size: 7" x 7" x 6.5"

Package Includes:

- Programmable Wireless Remote
- Mounting Hardware
- Rockguard Lens Cover



- 2000G White\$239.00 each
- 2051 Black\$239.00 each

GOLIGHT® PERMANENT W/DASH MOUNT REMOTE

Remote controlled permanent searchlight. Unit Size: 7" x 7" x 6.5"

Package Includes:

- Hardwired Dash Mount Remote
- 20' Wiring Harness with Quick Disconnects for Easy Installation
- Mounting Hardware
- Rockguard Lens Cover



- 2020A White\$169.00

LED, 12 Volt Searchlights

- 10 High Flux LED's
- Wireless or Hardwired Remote Control Options
- Permanent or Portable Mounting Options
- 370° Rotation x 135° Tilt
- 320,000 Candela, Max Beam Distance 3,711 ft
- 2.8 amps
- 8° Beam Angle
- 40 watts
- UV Ray and Saltwater Resistant
- 3 Year Limited Warranty

STRYKER® MAGNETIC MOUNT PORTABLE W/WIRELESS REMOTE

Remote controlled portable searchlight with magnetic mount. Unit Size: 7" x 7" x 8"

Package Includes:

- Programmable Wireless Remote
- 15' Cord with Cigarette Plug for 12V DC
- Magnetic Mount Base



- 30515 Black\$629.00 each

RADIORAY® PERMANENT W/WIRELESS REMOTE

Remote controlled permanent searchlight. Unit Size: 7" x 7" x 6.5"

Package Includes:

- Programmable Wireless Handheld Remote
- Mounting Hardware



- 20514 Black\$509.00 each

RADIORAY® PORTABLE W/WIRELESS REMOTE

Remote controlled portable searchlight.

Package Includes:

- Programmable Wireless Remote
- 15' Cord with Cigarette Plug for 12v DC



With Suction Cup & Permanent Mount Shoe - Unit Size: 7" x 7" x 8"

- 79004 White\$529.00 each

With Suction Cup & Magnetic Mount Shoe - Unit Size: 7" x 7" x 6.5"

- 79014 White\$549.00 each
- 79514 Black\$549.00 each

Every aspect of the GOLIGHT™ is designed for durability and strength. The highest quality UV materials are implemented into the crack resistant casing to protect them from cracking, warping and discoloration. The vital mechanism of each GOLIGHT™ product is sealed from exposure to rain, snow, and dirt - ensuring that your GOLIGHT™ is ready to weather any storm you can take it through!

LANTERNS



EUREKA® MAGIC 125 LANTERN

The size of a candle lantern; but much safer, this light provides 125 lumens of area lighting. Rotate the side knob and the light is directed forward for use as a flashlight.



- Bright lantern for area lighting quickly transforms to powerful directional flashlight by rotating top-mounted LED housing
- Rippled convex reflector cone disperses light into smooth pattern in lantern mode
- Textured opaque lens directs light in flashlight mode
- Multi-function off, high, low, hold for strobe, push-button switch
- Green LED locator light flashes every 5 seconds
- Swiveling wire hanging loop in bottom of unit
- Aluminum housing with anodized finish for durability
- Carry strap and carabiner-style clip included
- 4 AA DURACELL® batteries included

2640010 \$39.95 each

EUREKA® GLIDE 115 LANTERN/FLASHLIGHT

This versatile LED can hang as a lantern, or collapsed, works as a flashlight to brighten your path. 1 watt (51 lumens) of light, twice the brightness of similar lanterns!



- Telescopic expanding housing enables transformation from flashlight to area lantern
- Collimator efficiently creates a focused penetrating square flashlight beam
- Lever-style on/off switch in base
- Polymer C-hook in base for hanging
- Aluminum housing with anodized finish for durability
- Carry strap and carabiner-style clip included
- 3 AAA DURACELL® batteries included

2640020 \$29.95 each

EUREKA® WARRIOR 230 LANTERN W/REMOTE CONTROL

This versatile and multi-function lantern uses a remote to turn the lantern on or off from 25 feet away, or use the remote as a stand-alone flashlight! Remote has its own LED for use as a flashlight. Green color is easy to find!



- 2 Days continuous use on High
- Manual or infrared remote control operation
 - Blue LED indicator for IR stand-by mode
 - Remote Control has built-in personal light
 - Operating range of 26.25 ft. (8m)
- Bright white area lighting
- Removing the diffuser globe spreads soft area light even further
- SOS (Morse Code) flash mode
- Dimming control adjusts power from 100% - 10%
- Rubberized carry handle
- Rugged ABS housing with rubber grip accents
- Hang hook recessed into the Lantern base
- Carabiner clip
- 3 D-Size Batteries, not included
- Remote: 2 AAA-Size Batteries included

2640045 \$59.95 each

LUMILITE® Z-LITE™ LANTERN

Lumilite® produces the best built lanterns in its category. Tough, durable, and uniquely designed, Quality built to provide long lasting service and value. The Z-Lite™ floatable lantern has a patented design which includes a 6-stage “hands-free” stand that folds against the back of the handle for easy handling and balance. Tough Tylex exterior is impervious to moisture, and resistant to most oil, corrosion and shock. The unitized reflector and brilliant Krypton bulb shoots a beam 1/2 mile in the dark.



4800 \$10.95 each

RAYOVAC® SPORTSMAN® 6V FLOATING LANTERN™

This floating lantern is versatile for many applications. With it's extra bright beam will light the way anywhere. Can conveniently use a 6V lantern battery or an adapter to hold 4 D size batteries. It's durable-waterproof and is impact resistant to withstand a 3ft.drop.



- Long Range Beam
- Weather Resistant
- Large handle opening to accommodate a gloved hand
- Floats in water

L295-B \$4.95 each

RAYOVAC® 6-VOLT KRYPTON STEEL BEAM LANTERN

- Krypton bulb
- 60 lumens
- Battery run time: 22 hours
- Durable metal construction
- Swivel head
- Corrosion resistant
- Weatherproof push-button switch
- Lifetime warranty
- 918 Rayovac General Purpose lantern battery included



301K \$29.95 each

RAYOVAC® 6 VOLT GENERAL PURPOSE LANTERN BATTERY

- Screw Terminals
- Mercury and Cadmium Free
- Guaranteed against leakage
- Built to exceed performance demands of industrial applications
- Environmentally safe - meets EPA requirements for landfill disposal



918 \$8.95 each

RAYOVAC® VALUE BRIGHT 85-LUMEN 6V 10-LED FLOATING LANTERN

The 10 LED floating lantern features a waterproof floatation design – It floats in water! With an 85 lumen long range beam, this lantern will get light to places you never thought possible. With a 45 hour run time and 410 feet beam distance, the 10 LED floating lantern really does it all. This lantern comes with a 6V heavy duty battery and LEDs that never need replacing.



EFL6V10LED-B \$9.95 each

FIRST AID CABINETS



FIRST AID CABINETS BY GREEN GUARD

- Heavy duty metal cabinet that is sturdy and dust resistant
- 2, 3 or 4 shelf cabinets with door pockets are available
- These cabinets contain an assortment of first aid needs and meet ANSI Z308.1-2015 standards.

1125-STK	2-Shelf Cabinet	\$102.95 each
1150-STK	3-Shelf Cabinet	\$154.95 each
1155-STK	4-Shelf Cabinet	\$189.95 each
1126-EPT	2-Shelf Cabinet, empty	\$47.00 each
1151-EPT	3-Shelf Cabinet, empty	\$59.50 each
1156-EPT	4-Shelf Cabinet, empty	\$73.00 each



1125-STK



1150-STK



1155-STK

RESTOCKING ITEMS FOR FIRST-AID CABINETS

ADHESIVE BANDAGES, TAPES, WRAPS AND COMPRESSES

220-128	Fingertip Bandages – 50 ct.....	\$4.85
220-170	1" x 3" Plastic Adhesive Bandages – 50 ct.	\$3.10
220-260	1" x 3" Woven Fabric Strip – 50 ct.....	\$4.20
220-205	1" x 3" Woven Bandages – 100 ct.	\$6.25
220-230	2" x 3" Woven Bandage Ex. Large – 25 ct.	\$5.95
220-220	Woven Knuckle Bandages – 50 ct.	\$6.95
5030	Elastic Bandage, 3" x 4.5 yds.....	\$2.00
228-346	Certi-Rip, Tan, Self Adhesive, 2" x 5 yds.	\$3.00
228-347	Certi-Rip, Tan, Self Adhesive, 3" x 5 yds.	\$4.00
6248	Tri-Cut Tape - 3/8", 5/8" and 1" on 1 Roll	\$4.50
6253	Adhesive Tape, 1/2" x 5 yds.....	\$2.50
6397	Butterfly Closures, Med/Lg. – 10ct./box	\$1.95
6300	7/8" x 3" Bandages - 100 ct.	\$4.00
228-102	Elastic Ace-Style Bandage w/clips	\$2.25

ANTISEPTICS, CREAMS, OINTMENTS & SPRAYS

221-022	Alcohol Wipes – 50 ct.	\$2.60
100B	Rubbing Alcohol – 16 oz.	\$2.50
3010	Hydrogen Peroxide – 16 oz.	\$1.75
221-009	Antiseptic BZK Towelettes – 25 ct.	\$2.30
3005	Cold Spray – 4 oz.	\$4.25
225-152	Hydrocortisone Cream, 1%, 1 gm – 25ct.	\$4.75
233-358	Certi-Sporyn Ointment, 1 gm – 25 ct.....	\$4.50
3001	Wound Wash – 2 oz. spray.....	\$3.95
9651	Hand Sanitizer – 4 oz.	\$3.25

BURN CARE PRODUCTS

206	Water Jel Burn Dressing, 2" x 6"	\$4.95
233-365	Certi-Burn Gel, 1/8 oz. – 25 ct.....	\$12.95
233004	Certi-Cane Burn Spray 1 oz.	\$3.80
233-375	Certi-Burn Cream, 1 gram – 25 ct.....	\$5.95

EYE CARE PRODUCTS

880052	Swift Industrial Eye Drops – 1/2 oz.....	\$2.95
229-060	Eye Wash – 4 oz.	\$4.50
4106	Eye & Skin Neutralizer Wash – 8 oz.	\$5.50
229-021	Plastic Eye Cup (6 per vial)	\$2.95
8210	Eye Magnet w/Loop and Case.....	\$13.00

GAUZE ROLLS AND PADS

231-209	Gauze Pads, 2" x 2" – 25 ct.	\$3.50
231-210	Gauze Pads, 3" x 3" – 10 ct.	\$2.40
231-211	Gauze Pads, 3" x 3" – 25 ct.	\$3.50
231-213	Gauze Pads, 4" x 4" – 25 ct.	\$5.80



Ask About Our Mail Order First Aid Supplies Service To Ensure Your On-Site First Aid Kit Contents Are Fully Stocked with Unexpired Supplies, per OSHA regulations!

Call 318-841-4552 for pricing!

FIRST AID KITS



GENUINE FIRST AID - QUALITY FIRST - SAVING LIVES.

INDUSTRIAL FIRST AID KITS BY GENUINE FIRST AID

First Aid Kits for 10 or 16 persons with essential first aid items. Contents are organized for fast access and labeled with clear directions by injury type. Contains concise directions for use. Refills available.

- FA10P** Plastic 10 person First Aid Kit \$18.95 each
FA25P Plastic 25 person First Aid Kit \$23.95 each



CERTIFIED SAFETY MFG. UNITIZED FIRST AID KITS

203055	Metal 10 Unit General Kit	\$32.95 each
209210	Metal 10 Unit Construction Kit	\$34.00 each
209216-STK	Metal 16 Unit Construction Kit	\$49.50 each
209224-STK	Metal 24 Unit Construction Kit	\$59.50 each
209236-STK*	Metal 36 Unit Construction Kit	\$92.95 each



*Meets ANSI Z308.1-2015 for Class A Kits

Note: Class B Kits are required for use where PPE is used or "high risk and/or complex environments". Call to order.

CERTIFIED SAFETY MFG. LOGGER'S FIRST AID KIT

Contents: 16 plastic strips (1" x 3"), 2 gauze pads (4" x 4"), 2 gauze rolls (2" x 6 yds.), 6 Triangular bandages with pins, 1 wire splint, 2 rolls of adhesive tape (1/2" x 2-1/2 yds.), 10 antiseptic towelettes, 1 silver rescue blanket, 1 CPRotector, 2 elastic (ace style) bandages (2" x 5 yds.), 1 plastic forceps, 2 pair of nitrile gloves, 1 red-handled 4" bandage scissors, and 2 trauma pads (8" x 10"). Placed in a metal box. Meets OSHA 1910.266 Appendix A.



- K201505** 16 Unit Logger's Kit \$59.95 each
 6+ \$54.95 each
201546 36 Unit Logger's Kit w/Bloodborne Pathogen Kit \$76.95 each

K201505

CERTIFIED SAFETY MFG. MINERS KIT

MSHA Kit complies with MSHA Standard 75.1713-7 and is dust and Moisture resistant. Additional items required to fully comply with standard: 1-Stretcher and Broken-Back Board, 2-Cloth Blankets, 1-Rubber Blanket (or equivalent) and 2-Inflatable Plastic Arm & Leg Splints.



- K202620** 36 Unit Miners Kit \$99.95 each

K202620

CERTIFIED SAFETY MFG. BLOODBORNE PATHOGEN KIT

- Meets OSHA Standard
- Full-length, long-sleeve protective gown for complete coverage
- Unlike most other kits, has separate eye and mouth protection to maintain safety when giving CPR
- Unique scoop bag included for safe, easy, clean-up
- Complete instructions included
- White polypropylene box can be wall-mounted for easy accessibility



BBP-10P

- | | | | |
|---------------|----------------------------------|----------------|-----------------------------------|
| BBP-6P | 6 Person Bloodborne Pathogen Kit | BBP-10P | 10 Person Bloodborne Pathogen Kit |
| 1-5 | \$14.95 each | 1-5 | \$25.75 each |
| 6+ | \$13.50 each | 6+ | \$23.95 each |

ADVENTURE MEDICAL KITS ULTRALIGHT/WATERTIGHT MEDICAL KITS

The Ultralight / Watertight Series features proprietary DryFlex™ bags for the ultimate in ultralight, waterproof storage. Designed for one to four people on trips up to four days, this is the kit for adventures where exposure to the elements will be an issue. Two inner DryFlex™ waterproof liners and seam-sealed outer silnylon bags provide multiple layers of protection from the elements. Each kit comes with the necessities to care for cuts and scrapes and clean and close wounds and to manage pain and illnesses.



Part #	Model	Clean & Close Wounds	Manage Pain & Illness	Fractures & Sprains	Stop Blisters	Easy Access Bandages	Stomach Illness	Stop Bleeding	Emergency Repairs
0125-0297	.3	✓	✓						
0125-0292	.5	✓	✓	✓					
0125-0291	.7	✓	✓	✓	✓	✓			
0125-0290	.9	✓	✓	✓	✓	✓	✓	✓	✓

- 0125-0297 Ultralight/Watertight .3.....\$9.00 each
- 0125-0292 Ultralight/Watertight .5.....\$17.00 each
- 0125-0291 Ultralight/Watertight .7.....\$27.00 each
- 0125-0290 Ultralight/Watertight .9.....\$36.00 each

**ADVENTURE MEDICAL KITS QUIKLOT®
ADVANCED CLOTTING SPONGE**

QuikClot® is a chemically inert material that speeds coagulation of blood, resulting in a stable clot that stops bleeding. The QuikClot® Zeolite beads are contained in a sterile, non-adherent mesh bag so that it can be easily applied by anyone and also easily and cleanly removed from the wound by professional medical providers. QuikClot® is safe to use and is a low heat formula that will not burn the skin. Leave QuikClot® in place until more advanced medical help arrives. Each package contains one 3.5" x 3.5" (25g) bag of QuikClot®.



- 5020-0019.....\$13.00 each

LIFE® SoftPac™

Lightweight portable companion for your AED to provide Emergency Oxygen to a breathing victim before the onset of fibrillation, oxygen enriched CPR to a non-breathing victim, or continued supplemental oxygen after successful defibrillation.

- Light Weight...Only 6 Pounds!
- 4-1/2" D x 7-1/2" W x 15" H
- Comfortable Handle & Shoulder Strap
- Wall Mount Hook for easy access
- Constant reading supply gauge through window (other units must be turned on to read gauge)
- 40 Minute Supply @ 6 Liters Per Minute
- 250 Liter Aluminum "C" Cylinder
- Cylinder is easily disposable/replaceable or refillable at local gas distributors
- Simple External Two-step instructions
- Inhalator: administer supplemental oxygen for a breathing victim
- Resuscitator: oxygen enriched mouth-to-mask CPR for a non-breathing victim
- 5 Year Warranty



- LIFE-2-612\$295.00 each

**ADVENTURE MEDICAL KITS TRAUMA PAK W/
QUIKLOT®**

The Trauma Pak with QuikClot® is designed to stop bleeding and control serious trauma at the scene so more advanced care can be sought later. Packed in a tough, waterproof pouch sized to fit in any pocket, the Trauma Pak with QuikClot® is easy to deploy: just rip the top off, pull out the QuikClot® dressing to apply to any life-threatening bleeding, and use the other bandages and dressings as needed. An instruction pamphlet with information on treating traumatic injuries is included as well.



- 2064-0294.....\$25.00 each

Real X Gear Fogger

The Real X Gear Fogger Cooling System is your personal misting device which will provide up to 35 degrees of cooling. The Fogger is battery-operated, rechargeable, and weighs in at just 1.1 pounds and fits into any standard cup holder. It is fully automatic – cool off with a flip of a switch! The hands-free hose points in any direction. The Fogger will cool you with a super-fine mist instead of getting you soaked!



- 00432 Green.....\$69.95 each

RESTOCKING ITEMS FOR UNITIZED KITS

TABLETS

- Tablets are packaged in two tablet doses
- A 100 count package equals 50 doses.

BRAND NAME PAIN RELIEVERS

0154-89	Advil - 50 ct.	\$15.95
BCENVELOPE	BC Powder Aspirin - 6 Powders	\$2.95
884090	Tylenol - Extra Strength - 100 ct.	\$18.25

GREEN GUARD TABLETS

2230	Allergy Relief - 100 ct.	\$6.00
2231	Allergy Relief - 250 ct.	\$10.50
2241	Cherry Cough Drops (Single Pack) - 50 ct.	\$3.95
2216	Cold & Cough Relief - 100 ct.	\$7.25
2250	Ibuprofen Relief - 100 ct.	\$6.95
2251	Ibuprofen Relief - 250 ct.	\$16.50
2224	Max. Strength Non-Aspirin - 100 ct.	\$5.95
2222	Max. Strength Non-Aspirin - 250 ct.	\$12.50
2209	Pain & Ache Relief - 100 ct.	\$5.95
2210	Pain & Ache Relief - 250 ct.	\$11.95
2206	Sinus Relief - 100 ct.	\$5.75
2207	Sinus Relief - 250 ct.	\$12.50
2221	Stomach Relief - 100 ct.	\$4.95
2220	Stomach Relief - 250 ct.	\$9.95
217B	Guaicon	\$0.99
17818	Cherry Benzocaine Lozenges (Box of 18)	\$7.95
45873	Cold-Eeze Lozenges (Box of 25)	\$10.95

ANTISEPTICS, CREAMS, OINTMENTS & SPRAYS

Unitized Items

- Small packages to fit 10, 16, 24, 36 Unit & Logger Kits

730	Alcohol Wipes - 10 ct.	\$9.95
675	Antiseptic Towelettes - 10 ct.	\$1.25
661	First Aid Cream, 1gm - 6 ct.	\$1.50
794	Hydrocortisone Cream, 1%, 1gm - 6 ct.	\$2.00
35-134SS	Sting Swab - 10 ct.	\$3.50
754	Iodine Swabs - 10 ct.	\$3.25
752	Iodine Wipes - 10 ct.	\$1.35
663	Certi-Sporyn, 1 mg - 10 ct.	\$2.25
795	Poison Ivy Cream - 1/8 oz. - 6 ct.	\$3.25

BURN CARE PRODUCTS

Unitized Items

- Small packages to fit 10, 16, 24, 36 Unit & Logger Kits

660	Certi-Burn/First Aid Cream, 1/8 oz. - 6 ct.	\$2.50
233004	Certi-Burn Spray - 1 oz.	\$3.80
3106	Derma-Caine Burn Cream	\$5.75
3002	Derma-Cool Gel	\$3.95

EYE CARE PRODUCTS

Unitized Items

- Small packages to fit 10, 16, 24, 36 Unit & Logger Kits

669X	Eye Wash, 1 oz. - 1/unit	\$2.95
668X	Eye Dressing Kit (20 ml. eyewash, 2 eye pads, tape)	\$3.50
676	Eye Pads and Tape - 4/unit	\$1.75
902X	Eye Shield, Mask and Nitrile Gloves	\$3.75
229047	Eye Wash (1 oz. bottle)	\$2.95

ADHESIVE BANDAGES, TAPES, WRAPS AND COMPRESSES

Unitized Items

- Small packages to fit 10, 16, 24, 36 Unit & Logger Kits

607	1" x 3" Plastic Adhesive Bandage - 16 ct.	\$.90
608	Ex. Large Adhesive Bandages - 6 ct.	\$1.75
609	1" x 3" Woven Adhesive Bandages - 16 ct.	\$1.50
666	Fingertip Bandages - 10 ct.	\$1.95
688	Knuckle Bandages - 8 ct.	\$1.50
6102	Rip-N-Wrap 2" x 5 yds.	\$3.25
6103	Rip-N-Wrap 3" x 5 yds.	\$4.50
622	2" Bandage Compress - 4 ct.	\$3.50
624	4" Bandage Compress	\$2.50
639	Gauze Compress, 36" x 36"	\$2.25
696	Absorbent Compress, 32 sq. in.	\$1.50
650X	1" x 2.5 yds. Adhesive Tape - 2 ct.	\$1.95
652	1/2" x 2.5 yds. Adhesive Tape - 2 ct.	\$1.25
636A	Triangular Bandage w/Pins	\$2.00
6248	Tri-cut Tape, 3 sizes	\$4.50

GAUZE ROLLS AND PADS

Unitized Items -

- Small packages to fit 10, 16, 24, 36 Unit & Logger Kits

634	Gauze Bandage Roll, 2" x 6 yds. - 2 ct.	\$2.30
635	Gauze Bandage Roll, 4" x 6 yds.	\$2.15
637	Gauze Pads, 3" x 3" - 4 ct.	\$.90
632	Gauze Pads, 4" x 4" - 2 ct.	\$1.00
6115	Gauze Roll, 2" x 4.5 yds.	\$1.50
6117	Gauze Roll, 3" x 4.5 yds.	\$1.95
629	8" x 10" Trauma Pad Compress, Non-Stick	\$2.30

BLOODBORNE PATHOGEN ITEMS

Unitized items

- Small packages to fit 10, 16, 24, 36 Unit & Logger Kits

816	Nitrile Gloves. 2 pair/unit	\$1.20
216-081	Nitrile Gloves, Med/Lg, 1 pair/bag	\$.70
901X	Gown and Cap	\$3.95
902X	Eye Shield, Mask, Nitrile Gloves	\$3.75
904X	Biohazard Bag, Green Antiseptic Towelette	\$2.95
805X	CPRotector	\$5.95
810	CPRotector w/Nitrile Gloves	\$6.50
270-037	CPRotector w/Nitrile Gloves, Antiseptic Towelette, Orange Nylon Pouch	\$9.95

MISCELLANEOUS ITEMS

234009	Pocket First Aid Guide	\$.50
6603	Cotton Tip Applicators - 100 ct.	\$2.50
600	Ammonia Inhalant Ampules - 10 ct.	\$2.95
699X	Certi-Cool Cold Pack, Small, 1/unit	\$1.50
704	Tongue Depressor (500 /bx)	\$15.95
781	Tourniquet, 1/unit	\$2.40
785XPB	Insect Bite Kit	\$10.95
790XPB	Snake Bite Kit	\$14.50
791	Rescue Blanket	\$4.25
222B	North Barrier Cream-4 oz.	\$3.95

INSTRUMENTS

242006	Slanted End Tweezers, Plastic, 4-1/4"	\$1.60
8210	Eye Magnet w/Loop and Case	\$13.00
8205	Kit Scissors	\$1.00
27755020	Emergency Scissors	\$5.00
904270	Splinter Out	\$2.25
242-014	Forceps, Plastic 4"	\$1.50
651A	Wire Splint	\$2.70

*We can order any specialized instruments you need.

EMERGENCY EYEWASH STATIONS/HEAT STRESS PREVENTION

CERTIFIED EYEWASH AND SKIN NEUTRALIZER STATION

- For acid & alkali burns, contains acid neutralizer
- Each bottle is safety sealed and has a wide mouth with a smooth flange for ease in flushing the eye
- Unbreakable, flexible polyethylene bottles. Two 16 oz. bottles of solution are included to help prevent out-of-stock situations
- Heavy gauge polystyrene station with choice of foam tape or screw holes for mounting
- Replacement components available



250507	Eyewash Station	\$21.95 each
R250525	CSM 16 oz. Eye Wash Bottle	\$8.95 each
240810	Honeywell 16 oz. Eye Wash Bottle	\$8.95 each

HAWS® MODEL 7501 PORTABLE EYEWASH STATION

Compact portable Model 7501 is ideal for remote locations. Using gravity to supply a continuous flow of clean water to injured personnel for a full 15 minutes at .4 gpm, this model is a reliable source for safety.



H307501.....	\$249.95 each
3200110000 Preservative - 5 oz.	\$12.95 each

HAWS® EMERGENCY SHOWER & EYE/FACE WASH

Combination shower and eyewash features the medically acclaimed AXION MSR™ eye/face wash head assembly. This Revolutionary inverted flow design is the only product on the market that provides a medically superior response consistent with all EMT, emergency room and doctors' office protocols by sweeping contaminants away from the vulnerable nasal cavity.



H308300-8309	\$1,095.00 each
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FEND-ALL® 32 OZ. SPERIAN STERILE SALINE DOUBLE BOTTLE WALL STATION

Durable, open-face design Wall Stations hold bottles firmly in place with easy access to bottles in an emergency to provide immediate flushing until the injured person can be helped to a primary emergency eyewash device. They offer high visibility in a hazard area and are readily available for emergency flushing and decontamination of the eyes, face and body.



FEN32000-4620000.....	\$49.95 each
R250525 Eye & Skin Neutralizer Wash – 16 oz.	\$8.95 each
250507 Eye & Skin Wash Neutralizer Station	\$21.95 each
240810 Eye & Skin Wash – 16 oz.	\$8.95 each

FEND-ALL® 32 OZ. SINGLE BOTTLE EYESALINE® TRILINGUAL EMERGENCY WALL STATION

Fend-all® Eyesaline® 32 ounce Single Eyewash Wall Station featuring a durable, open face design holds a blow-fill-seal bottle firmly in place and provides easy access to the bottle in an emergency. Plastic wall station is easy to clean and comes with simple, highly visible operating instructions in three languages. It assures quality and lasting value with FDA-grade polyethylene bottles having lot numbers and expiration dates. Mounts to wall with provided screws. *Eyewash bottles sold separately.



32000489 32 oz Eye Wash Station only.....	\$14.95 each
32000455 32 oz Eye Wash Bottle.....	\$14.95 each

JACKSON DISPOSABLE SWEATBAND

- Traditional Absorbent Cellulose Sweatband
- One Size Fits All
- Blue



22009	\$0.75 each
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MIRACOOl™ NECK BANDANA

- One Size Fits All



MB.....	\$4.50 each
MB-FR (Fire-Resistant)	\$6.95 each

REALX GEAR COOLING TOWELS

RealXGear Cooling Towel keeps you 20 degrees cooler than the outdoor ambient temperature, and is reusable simply by soaking the towel in water. The cooling towel is machine washable and can be used hundreds of times and comes in its own storage container for years of reliable use. RealX Sports Towel is made with durable, environmentally friendly super absorbent cloth.



55555 Large.....	\$20.00 each
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HARD HAT SWEATBAND

- Snap-on
- Terry Cloth
- Beige color



90476	\$3.50 each
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MIRACOOl™ HARD HAT INSERT

The head has many blood vessels close to the skin which influence body temperature. Keep cool all day with a MiraCool™ Hard Hat Insert. Navy fabric hides dirt, and it's easily installed and removed. One size fits all.



968018 1-11	\$4.95 each
12+	\$4.50 each

RADIANS HI-VIS HARD HAT NECK SUN SHADE

Mesh – Reflective



NSG Green	\$8.95 each
NSO Orange	\$8.95 each

HARD HAT BRIM EXTENDER SUN SHADES



898-098



697410

898-008 White, Occunomix.....	\$8.95 each
898-078 Orange, Occunomix.....	\$8.95 each
898-098 Yellow, Occunomix	\$8.95 each
697410 MSA for V-guard Full Brim Hard Hats.....	\$19.95 each

MIRACOOl® COOLING VEST

The Miracool® Pullover Cooling Vest (902) is a super-absorbent, poncho style workplace safety gear and personal safety gear addition.

- 100% Cotton with super-absorbent cooling crystals
- Pull over poncho style
- Expandable sides with adjustable buckles
- One Size fits most



OCC902-173 ORANGE	\$24.95 each
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HYDRATION

GATORADE® THIRST QUENCHER INSTANT POWDER



The complete rehydration and performance beverage! Gatorade is scientifically formulated to help workers rehydrate quickly while promoting peak performance and productivity. And, it's considered "low-sodium" by FDA standards.



2.12 OZ. PKs. – MAKES 1 QUART

- 03928-PK Lemon-Lime
- 33808-PK Fruit Punch
- 33675-PK Riptide Rush (Grape)

1-23 packs	\$.95
24-71 packs	\$.80
72+ packs	\$.70

8.5 OZ. PKs. – MAKES 1 GALLON

- 3965-PK Lemon-Lime
- 3966-PK Orange
- 3807-PK Fruit Punch
- 33674-PK Riptide Rush (Grape)

1-5 packs	\$2.25
6-39 packs	\$2.00
40+ packs	\$1.75

*Can mix & match flavors for quantity discount - Sold by the pack

21 OZ. PKs. – MAKES 2-1/2 GALLONS

- 03969 Lemon-Lime
- 03970 Orange
- 33691 Fruit Punch
- 33673 Riptide Rush (Grape)
- 33677 Glacier Freeze (Lemonade)
- 03944 Variety Pack (8 packs each of Lemon-Lime, Orange, Fruit Punch & Riptide Rush)

Case of 32 packs	\$139.95
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*Sold by the case - 32 packs/case (one flavor)

1.34 OZ POWDER STICKS – MAKES 20 OZ

- 13163 Lemon Lime
- 13165 Orange
- 13166 Fruit Punch



8 Pack.....	\$6.25
Case of 64.....	\$49.95

SWIFT ELECTROLYTE TABLETS

- Provides relief For fatigue and cramps due to excessive perspiration
- Package Quantity 100



2261	\$9.95 pack
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THE ACTIVITY DRINK!

There's no better way to protect the body against sweltering heat than with great-tasting Sqwincher. Great tasting, scientifically formulated electrolyte replacement drink is designed to restore important mineral salts and fluids lost

through dehydration, physical exertion and heat stress. Sqwincher is more satisfying than water or soft drinks because the body absorbs it more quickly and restores it to its proper electrolyte and fluid balance.

SQWINCHER POWDER PACK (DRY MIX)

23.83 oz. pks.

- Makes 2-1/2 gallons
- 32 pks/case



016044-AS Assorted Flavors.....	\$129.95 per case
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SQWINCHER FAST PACK® SINGLE SERVINGS

The fast pack is an all-in-one single serving unit. The liquid concentrate mixes instantly with water in the convenient foil pouch that also acts as a drinking cup. Makes 6 oz. per single serving pack.

- 015301-CH-BX Cherry
- 015302-GR-BX Grape
- 015303-LA-BX Lemonade
- 015304-OR-BX Orange
- 015305-FP-BX Fruit Punch
- 015306-TEA-BX Tea
- 015308-LL-BX Lemon-Lime
- 015309-TC-BX Tropical Cooler



Box of 50 Single Serving Packs	\$19.95 per box
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- | | | | |
|-----------|----------|------------|-----------------|
| 015301-CH | Cherry | 015305-FP | Fruit Punch |
| 015302-GR | Grape | 015306-TEA | Tea |
| 015303-LA | Lemonade | 015308-LL | Lemon-Lime |
| 015304-OR | Orange | 015309-TC | Tropical Cooler |

Case of 200 Single Serving Packs.....	\$65.95 per case
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SQWINCHER QWIK STIKS LITE

Great tasting drinks don't need sugar. Just ask your water bottle. Sqwincher Lite Qwik Stik lets you take all the electrolytes you need wherever you go. Just add a Stik to a bottle of water and you'll have a perfectly balanced drink.

- 060100-OR-PACK Orange
- 060101-MB-PACK Mixed Berry
- 060102-FP-PACK Fruit Punch
- 060103-LA-PACK Lemonade
- 060104-PT-PACK Peach Tea
- 060105-RB-PACK Raspberry
- 060106-LL-PACK Lemon-Lime



Pack of 50 Qwik Stiks	\$23.95 per pack
Case of 500.....	\$195.00 per pack

SQWINCHER SQWEEZE POPS

Cool down your thirst with Sqwincher Sqweeze pops. Sqwincher Sqweeze pops replace electrolytes and keep you hydrated. These pops make great treats for kids and adults alike. 3 oz. Pops.



159200201 Case of 150 Assorted Flavors.....	\$41.95 case
159200228 Case of 150, SUGAR FREE, Fruit Punch	\$43.95 case
159200229 Case of 150, SUGAR FREE, Tangerine	\$43.95 case



RUBBERMAID WATER COOLERS

RUBBERMAID® WATER COOLERS

- Heavy-duty construction resists dents and corrosion
- Recessed fast-flow faucet for easy pouring
- Attached cup dispenser bracket on 3, 5 and 10 gallon coolers
- Quickgrip® handles
- Screw-tight insulated lid
- Available in UV protected orange or blue
- Cup dispenser not included

1683-1	3 Gallon Blue	\$32.55 each
1683OR	3 Gallon Orange.....	\$32.55 each
1685-1	5 Gallon Blue	\$35.55 each
1685OR	5 Gallon Orange.....	\$35.55 each
1610-1	10 Gallon Blue	\$69.50 each
1610OR	10 Gallon Orange.....	\$69.50 each



3 Gallon

5 & 10 Gallon

REPLACEMENT PARTS

Lids (White Screw-On)

1683	3 Gallon.....	\$15.05 each
1685	5 Gallon.....	\$15.05 each
1688	10 Gallon.....	\$32.15 each

Spigots

SPOUT	Straight Down.....	\$5.95 each
FAUCET	45° Angle.....	\$5.50 each

WATER COOLER BRACKET

- Made of heavy-duty steel with black powder coat finish
- Has a nylon strap with buckle to secure cooler
- Bolts to truck (mounting hardware not included)



WCB5	3 or 5 Gallon Capacity.....	\$63.75 each
WCB10	6 - 15 Gallon Capacity.....	\$85.50 each

PAPER CONE CUPS

4.5-CUP-SL	4.5 oz. Cup – Sleeve of 200	\$4.50 each
4.5-CUP-CASE	4.5 oz. Cup – Case of 5000	\$83.50 each



RUBBERMAID® INSULATED VICTORY JUGS

156006B	Blue One Gallon Victory Jug	\$11.50 each
156006O	Orange One Gallon Victory Jug	\$11.50 each
153004B	Blue Two Gallon Victory Jug	\$16.75 each
1692-1	Orange Two Gallon Victory Jug	\$16.75 each



1 Gallon

2 Gallon

UNIVERSAL CUP DISPENSER

- For 4 oz. or 7 oz. cone cups

8257-UN.....	\$11.85 each
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WATER COOLER SEALING TAPE

The ultimate safety seal for water coolers in the construction industry. One roll marks and seals approximately (38) 10 gallon coolers. When removed, it leaves no sticky residue that could attract airborne contaminants.



SGCTAPE.....	\$9.75 each
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FIRST AID

YETI® COOLERS

YETI® Coolers are built to take the rugged abuse that comes with the way we work and play. With thicker walls, more than twice the insulation and a full-frame gasket, YETI® Coolers outperform the competition – it's not even close! Please specify color when ordering. Can capacity calculated using a 2:1 ice to can ratio.



YETI® ROADIE COOLERS -FEATURING A HEAVY DUTY STAINLESS STEEL HANDLE

YR20 20 Quart – Holds 14 Cans.....\$249.99 each

**Available in your choice of White, Desert Tan or Ice Blue. Please specify when ordering.*

YETI® TUNDRA COOLERS – FEATURING YETI® LID LATCHES

YT35 35 Quart – Holds 20 Cans..... \$299.99 each

YT45 45 Quart – Holds 26 Cans..... \$349.99 each

YT50 50 Quart – Holds 32 Cans..... \$379.99 each

YT65 65 Quart – Holds 39 Cans..... \$399.99 each

**Available in your choice of White, Desert Tan or Ice Blue.*

YT75 75 Quart - Holds 50 Cans\$449.99 each

YT105 105 Quart - Holds 59 Cans\$479.99 each

**Available in your choice of White or Desert Tan.*

YT110W 110 Quart - Holds 65 Cans\$499.99 each

YT125W 125 Quart - Holds 81 Cans\$549.99 each

YT160W 160 Quart - Holds 100 Cans\$679.99 each

YT250W 250 Quart - Holds 155 Cans\$899.99 each

YT420W 420 Quart - Holds 268 Cans\$1399.99 each

**Available in White only.*



YETI CAPACITIES		
	CANS*	ICE (LBS)**
ROADIE		
20	14	20
TUNDRA		
35	20	28
45	26	35
50	32	47
65	39	56
75	50	66
105	59	92
110	65	101
125	81	129
160	100	159
210	140	208
250	155	232
420	268	403
HOPPER		
20	12	20
30	18	26
TANK		
45	52***	40
85	96***	80

*Assuming a 2:1 lbs of ice to cans of beer ratio
**Assuming entire cooler is filled with ice
***Assuming a 1:1 lbs of ice to cans of beer ratio

YETI® ICE

YETI® ICE both chills contents faster and will never break. This ice substitute is filled with science, dialed in to the most effective temperature to maximize the ice retention of any cooler. Its custom shape reduces freezing time and maximizes durability.

YICE2N2 2 lb.....\$19.99 each

YICE4N2 4 lb.....\$29.99 each



GRIZZLY VALVE

(This is not a Yeti® product, but fits Yeti® coolers)

With high-end coolers such as YETI® Coolers, the vacuum seal can become so tight the cooler has to be pried open or the original drain plug has to be opened to release the vacuum. The Grizzly Valve drain plug has a vacuum release valve that allows air to go inside the cooler releasing the vacuum and containing the ice water. CNC machined out of aluminum and assembled with an o-ring seal and a rubber gasket. The spring is stainless steel so it will hold up to the rugged outdoors as well as salt-water.



CDP-CAMO Camo Drain Plug.....\$31.99 each

CDP-COLOR Assorted Colors.....\$29.99 each

**FREE SHIPPING ON YETI® COOLERS!
(EXCLUDES ACCESSORIES)**

*Full line of YETI® Accessories & YETI® Gear
Available – call for details.*

YETI® TANK

Resembling an ice bucket in general shape only, the YETI® Tank™ is a beverage tub behemoth that's as armored as its namesake. No Sweat Design promises a puddle-free zone inside or out. Patented insulation will keep everything frosty as long as you need to get the job done, while the nearly bombproof rotomolded design and military-grade nylon handles let you carry it into action over and over. A quick twist of the Vortex™ Drain Plug will have your Tank™ drained and ready for the next go-round. Available in White, Desert Tan or Ice Blue.



YTK45	Holds 56 Cans	\$199.99 each
YTK85	Holds 96 Cans	\$249.99 each
YTK45LID	Lid for Tank 45.....	\$39.99 each
YTK85LID	Lid for Tank 85.....	\$49.99 each

YETI® HOPPER™ – SOFT-SIDED COOLER

The Hopper™ is the first 100% leakproof portable cooler that's built for the long haul and is insulated to keep ice for days. Unlike other soft-sided coolers, it's puncture-resistant, leakproof and sports an anti-microbial liner that resists mildew. Plus it keeps your beverages cold for days thanks to an inch of closed-cell foam insulation on the sides and 1.5 inches of on the bottom.



YHOP20	Holds 12 Cans	\$299.99 each
YHOP30	Holds 18 Cans	\$349.99 each
YHOP40	Holds 36 Cans	\$399.99 each

YETI® HOPPER™ SIDEKICK

The perfect YETI® Hopper™ accessory to guard your valuables from mother nature. Mounts to Hopper™ HitchPoint™ Grid and makes easy storage for wallets, game licenses, phones, and much more.



YHOPSK	9" x 1-1/2" x 5-1/2".....	\$34.99 each
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YETI® RAMBLER™ TUMBLERS

Kitchen-grade 18/8 stainless steel and double-wall vacuum insulation. Rambler™ Tumblers keep ice 2X longer than plastic tumblers and are designed for maximum ice retention - and work just as well for hot beverages. Rambler™ Tumblers are BPA free, including the crystal clear lid. No Sweat design!



YRAM20	20 oz. Tumbler	\$29.99 each
YRAM30	30 oz. Tumbler	\$39.99 each
YRAM20LD	20 oz. Replacement Lid	\$4.99 each
YRAM30LD	30 oz. Replacement Lid	\$4.99 each

YETI® RAMBLER™ LOWBALL

With double-wall vacuum insulation, the Lowball™ will keep your hot drinks hot and your cold drinks cold far longer than standard mugs or cocktail glasses. And unlike your favorite bourbon glass, this lowball will never shatter on impact or leave a ring on your coffee table thanks to its 18/8 stainless steel construction and No Sweat™ Design. Taking your beverage to go? Pop on the optional Rambler 10/20oz lid to avoid splashing your beverage. Dishwasher safe.



YRAM10	YETI Lowball	\$24.99 each
YRAM20LD	Lid	\$4.99 each

YETI® COLSTER™ – METAL KOOZIE

The YETI® Colster™ represents the next evolution in can-insulating, hand-protecting technology. All the powers of modern science were brought to bear on this drink insulator to keep the contents of your 12 oz can or bottle chilled, including double-wall vacuum insulation and a ThermoLock™ Gasket that locks in the cold. The heavy-duty stainless steel walls are sweat-proof.



YRAMCOL	\$29.99 each
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***EACH YEAR YETI® COOLERS RELEASES A LIMITED EDITION COOLER. PLEASE CALL US FOR AVAILABILITY AND PRICING.**

INSECT REPELLENTS

INSECT REPELLENTS

REPEL® SPORTSMAN MAX – 40% DEET

The original classic formula that's been proven effective over the years at providing long-lasting protection from mosquitoes, gnats, chiggers, no-see-ums and biting flies in an unscented, easy-to-use, aerosol spray.



338..... \$5.95 each
12+ \$5.50 each

TEC-LABS® THE 10-HOUR™ INSECT REPELLENT

With a 100% active ingredient (DEET), it only takes one application to protect crews from biting insects for up to 10 hours. Repel deer ticks, mosquitoes, chiggers and gnats with the most effective repellent known to mankind. The 10-Hour™ Insect Repellent is economical and easy to use.



DEET2A-BT 2 oz. Pump \$5.10 each
12+ \$4.50 each

DEEP WOODS OFF®

Fly & mosquito repellent. Keeps stable flies, black flies, sand flies, deer flies, mosquitoes, ticks and chiggers off your skin. 28.5% DEET – 6 oz. Aerosol Can



DWOFF 1-11 cans..... \$7.95 each
12-47 cans..... \$7.75 each
48+ cans \$7.35 each

BEN'S® 30 TICK & INSECT REPELLENT

Offers protection from ticks and insects that may carry West Nile Virus (WNV), Lyme disease, Malaria, Eastern Equine Encephalitis (EEE), and other infectious diseases. Providing up to 8 hours of effective protection, Ben's® 30's unique formula is made to evaporate slowly - so repellent stays on longer with little absorption into the skin. 6oz continuous spray bottle provides effortless, even application.



06-7178 6 oz. Eco-Spray \$6.99 each

BEN'S® 100 MAX TICK & INSECT REPELLENT

Contains the maximum amount of DEET for use in areas of high bug density. Provides up to 10 hours of protection from ticks and insects. Small portable size is easy to carry, while providing enough repellent for several days.



06-7070 1.25 oz Pump Spray \$4.99 each

BEN'S® CLOTHING & GEAR REPELLENT

Ben's® Clothing and Gear contains 0.5% Permethrin to kill biting insects on contact. Apply to your clothing and gear for an extra level of protection against mosquitoes, ticks, biting flies, and other insects. Bonds to the fibers in fabric for protection that lasts up to two weeks. Each bottle contains enough repellent to treat two complete outfits or one set of gear.



06-7600 \$5.75 each

REPEL® PERMANONE CLOTHING & GEAR INSECT REPELLENT

An odorless, highly effective aerosol insecticide. Spray on clothes, gear, tents, etc. and let dry before wearing – do not spray on skin. Protection lasts a minimum of two weeks through several washings. Active ingredient: Permethrin. 6 oz. can



5221 1-11 \$5.95 each
12-47 \$5.50 each
48+ \$5.25 each

GARLIC BARRIER

Garlic Barrier is a very strong liquid garlic extract that mixes with water and is sprayed on farm and garden plants to keep insects off. One gallon, properly mixed with water, covers 10 to 12 acres of row crops or 5 acres of orchards. It imparts no garlic taste on any crops or plants that are sprayed. The odor of garlic in the air or on the plant disappears in about 30 minutes. It's all natural and listed by OMRI as suitable for organic farm use. Completely safe around people, pets, animals and fish.



MB1001 32 oz Bottle..... \$29.95 each
MB2000 1 Gallon Bottle..... \$84.95 each

NATURAL REPELLENTS

MOZI-Q HOMEOPATHIC CHEWABLE INSECT REPELLENT TABLETS

Mozi-Q is a chewable tablet for the prevention of bug bites. Mozi-Q is a formula containing five homeopathic remedies; *Staphysagria*, *Ledum palustre*, *Urtica urens*, and *Cedron Grindelia*. They are in low C and D potencies, thereby acting at the physical level for their common indication, to reduce the frequency and severity of insect bites.



There are no interactions with medications or other treatments or preventative measures for bug bites. Non-toxic. Safe for adults, pets and children over 1 year of age.

MOZI-Q30 30 Tablets \$14.25

NATRAPEL® 8-HOUR WIPES

It's about time - a DEET-free insect repellent that really works! Natrapel® 8-hour provides 8+ hours of protection from biting insects and ticks, thanks to its CDC-recommended 20% Picaridin formula. Unlike ineffective DEET alternatives, Picaridin is the only formula that consistently shows equal or better performance than DEET in independent, clinical tests. Even better, Natrapel® 8-hour is completely safe on gear and will not melt jackets, fishing line, and other synthetic materials.



Individually wrapped wipes let you control the amount and location of repellent to apply.

06-6095 12 per box \$5.25

REPELLENTS & STING RELIEF

OTHER REPELLENTS

AERVOE WASP & HORNET KILLER

Kills wasps, hornets and yellow-jackets. Penetrates nest, cracks and crevices. High-pressure aerosol spray allows you to stay safely away from the nest.

862-WASP 1-11 Cans..... \$6.25 each
12+ Cans..... \$5.75 each



HALT! II DOG REPELLENT

Halt! products use Capsaicin, a naturally occurring extract of peppers, which, when sprayed in a dog's face, causes only temporary, but extreme discomfort for the dog. Halt! stops dogs in their tracks. Its pressurized spray is accurate up to 10 feet.

61106\$5.25 each



COUNTER ASSAULT™ BEAR DETERRENT PEPPER SPRAY

The industry's leading bear pepper spray, spraying distance of 30 feet and spray duration of 7.2 seconds. Your ultimate protection in the wild!

PSF230 8.1 oz Spray\$36.50 each
PSF230H Black Nylon Holster\$10.25 each



ThermaCELL®

ThermaCELL® Mosquito Repellent Lanterns and Appliances are powered by a single butane cartridge. Butane provides the cordless, portable heat that activates the patented devices. The heat generated by the butane cartridge is directed to a metal grill that is part of the design of the Lantern or Appliance. A small mat, saturated with repellent, sits on top of the metal grill. Heat vaporizes the repellent, allowing it to rise into the air.

The repellent is allethrin, a copy of a repellent that naturally occurs in chrysanthemum flowers. It repels mosquitoes, black flies, and no-see-ums, and will not harm humans or pets. Within minutes after turning on the Lantern or Appliance, the repellent creates a 15 by 15-foot (225 square-foot) area of repellency, the size of an average deck, patio, or campsite. All ThermaCELL® Mosquito Repellent products use the same refills, which contain both repellent mats and butane cartridges.

MRBJE Appliance with Turn Dial, Brown – Earth Scent\$24.95 each
MR9 Lantern, Dark Bronze, 3 LED's\$24.50 each
MR9L Outdoor Lantern.....\$32.95 each
R1 Single Refill.....\$7.25 each
E1 Single Refill, Earth Scent\$7.25 each
R4 Value Pack Refill, 4 Pack.....\$21.99 each
E4 Value Pack Refill, Earth Scent – 4 Pack\$21.99 each
MRH Appliance Holster w/Clip, Olive Green\$13.99 each



MRBJE



MR9



MR9L



MRH



R1



STING RELIEF

STING-EZE®

StingEze® offers fast, powerful relief from insect bites, stings and irritations using a triple action formula that stops pain, relieves itching and reduces swelling.



330A 15 ml Spray Pen.....\$3.50 each

AFTERBITE® – XTRA

With its unique formula of baking soda, ammonia and tea tree oil, AfterBite® Xtra works to neutralize the sting and promote quick healing. AfterBite® Xtra has been developed to meet consumer demand for a convenient ready-to-use product that can be quickly applied. It provides fast relief of aggressive stings from bees and wasps, fire ants and jelly fish.



06-1070 Gel Formula.....\$3.75 each

AFTERBITE® – CHIGGER & ANT

AfterBite® Chigger & Ant is a powerful itch and sting treatment that provides immediate relief. Specially formulated gel contains baking soda and tea tree oil to soothe the skin, alleviate inflammation and stop the itch and pain from nasty chiggers, fire ants, bees, wasps and more.



06-1590 \$3.75 each

TICK BAR TICK REMOVER

Tick Bar is a simple, safe and solid instrument for easy and correct removal of ticks, mites and other parasites from the skin of humans and animals. Tick Bar is designed according to the current recommendations on tick removal, minimizing the agitation of the tick. Prevents the mouthparts from breaking and remaining in the skin, which reduces the risk of local inflammation. Tick Bar is made of stainless steel and it lasts forever.



170313 \$9.95 each

POISON PLANT PROTECTION & TREATMENT

TEC-LABS® PRODUCTS

TECNU® OAK-N-IVY OUTDOOR SKIN CLEANSER

Tecnu® is the original poison oak and ivy product to remove urushiol oils from skin, tools and gear. Has been part of the daily cleanup regimen of firefighters, telephone, railroad, tree care, forestry and utility crews since the 1960's. Can also be used to remove creosote, pitch, sap, tar, grime from hands, and many other things. Also removes skunk odor from dogs.



- POIC2UP-BX Unitized – (4) 1/2 oz. packets..... \$2.95 each
- POIC4-BT 4 oz. Bottle (1-11) \$4.75 each
4 oz. Bottle (12+) \$4.10 each
- POIC4R-BX 4 oz. Bottle, Boxed..... \$4.99 each
- POIC12-BT 12 oz. Bottle (1-11) \$9.50 each
12 oz. Bottle (12+) \$8.95 each
- POIC32-BT 32 oz. Bottle (1-11) \$15.50 each
32 oz. Bottle (12+) \$12.95 each
- POIC50BX 50 ct. Box of 1/2 oz. Packets (1-5) \$28.50 per box
50 ct. Box of 1/2 oz. Packets (6+) \$25.95 per box

TECNU® EXTREME POISON IVY SCRUB

Tecnu® Extreme was developed for workers who have chronic problems dealing with poison oak and ivy. Tecnu® Extreme is the first all-in-one product to do three vital things:



- It helps prevent any rash before it starts
- Dramatically helps stop an existing rash from spreading
- Contains an active ingredient to help stop itching.

FG10095 4 oz. Tube..... \$9.50 each

TECNU® RASH RELIEF™ SPRAY

Tecnu® Rash Relief Spray, has two active ingredients that relieve itching and stop the burning without having to touch the rash. For best results in treating your rash and stopping it from spreading, use Tecnu® Extreme Poison Ivy scrub as directed. Then, apply Tecnu® Rash Relief Spray to soothe and help promote healing.



FG10258 6 oz. Bottle \$10.99 each

TECNU® FIRST AID GEL

The perfect wound care for your active family's minor cuts, scrapes and burns. Don't let skin infections keep you from your next adventure. Tecnu® First Aid Antiseptic Pain Relieving wound gel kills bacteria to help prevent infection and offers fast pain relief with Lidocaine.

- FG10268 2 oz. Tube \$6.50 each
- FG10269 1/16 oz. packets, 144 ct. \$28.50 each



ZANFEL™ POISON IVY CREAM

Zanfel™ effectively removes the symptoms associated with poison ivy (itching, swelling, etc.) by removing the oil, Urushiol. Zanfel™ surrounds and removes the toxin from dermal layers so that the body may immediately begin healing, and will no longer attack itself. "TOTAL" relief usually comes within 30 seconds.



405548 1 oz. Tube..... \$35.95 each

NORTH BARRIER CREAM

- Protects against sticky, staining and irritating substances

222B.....\$3.95 each



CORTICOOL ANTI-ITCH GEL

Corticoool's advanced formulation "suspends" the hydrocortisone in a gel base so that penetration is deeper, immediate and long lasting. Corticoool's instant cooling effect soothes while the active ingredients go to work. Corticoool is excellent for bug bites, bee stings, psoriasis, eczema and rashes related to poison ivy, oak and sumac.



- CCL1.5R-BX 1.5 oz. Tube (1-11) \$4.95 each
1.5 oz. Tube (12+) \$4.25 each

CALAGEL MEDICATED ANTI-ITCH GEL

Calagel contains an active ingredient to dry up an oozing rash, an antiseptic to help prevent secondary infection, zinc acetate to protect the skin as it heals, and menthol to give immediate and soothing cooling relief. Paired with Tecnu® Extreme, Calagel is great for battling poison ivy, oak and sumac. It's also helpful for bites, bee stings, sunburn and other rashes.



- CALA6-BT 6 oz. Bottle (1-11) \$4.95 each
6 oz. Bottle (12+) \$4.40 each
- CG6B-BX 6 oz. Bottle, Boxed..... \$5.25 each
- CALA144BX 1/32 oz. packets, 144 ct./box..... \$19.95 each

LICEFREEE®

Long gone are the days of stinky, smelly, chemical pesticides to treat head lice. Instead of using the traditional permethrin and pyrethrum over-the-counter head lice treatments, consider Non-toxic Licefreee® Brand Head Lice Treatments! Licefreee® kills head lice naturally using sodium chloride (salt). Tec-Labs head lice treatments have a pleasant smell (like licorice) and are safe to use for children 6 months and older. Non-Toxic, 100% Guaranteed.



- FG10241 Spray, 6 oz. \$8.75 each
- FG10040 Gel, 8 oz. Tube w/comb \$14.50 each

ORAL IVY

Prevents & treats the symptoms of poison ivy, poison oak & poison sumac.

- Natural homeopathic
- No synthetic drugs
- Proven effective formula
- Safe, no known side effects
- Easy-to-take liquid

Taken daily – 3-5 drops in 2 oz. of water – Oral Ivy helps your body to fight off the effects of poison plant exposure. Can also be used to treat symptoms by taking stronger doses every two hours till symptoms improve.



- 10001 1.5 oz. Bottle (1-11) \$15.95 each
1.5 oz. Bottle (12+)..... \$13.95 each

SPILL KITS & SORBENTS

SALVAGE DRUM

Not all hazmat storage and transportation requires a premium salvage drum. If your secondary containment needs involve storage or transport of hazardous solids, choose this 95 gallon salvage drum.



1237-YE.....\$235.00 each

EMPTY DRUMS

- 55 Gallon steel U.L. drum with lid

DRUM-STEEL.....\$72.95 each

- 55 Gallon blue plastic drum with lid

DRUM-PLASTIC.....\$74.95 each



BUCKETS AND PAILS

031583 5 Gallon Plastic Bucket.....\$5.95 each

031666 Lid for 5 Gallon Plastic Bucket.....\$2.95 each

METAL BUCKET 5 Gallon Metal Bucket w/o lid.....\$14.95 each

PLASTIC MOP BUCKET COMBO WITH WRINGER

- 25 Qt. Yellow mop bucket with durable wringer
- Corrosion resistant bucket
- Wringer is resistant to cleaning materials
- No cracks or crevices to collect dirt



6035-3.....\$66.95 each

4924B Industrial Grade Mop Head.....\$9.95 each

91 54" Replacement Handle.....\$10.95 each

WET FLOOR SIGNS

WET FLOOR SIGN.....\$12.95 each



SPILL KITS

Consists of the following items:

- 2 - Disposable Poly Bags
- 3 - 3" x 48" Absorbent Socks
- 15 - Absorbent Pads
- 1 - Pair of Nitrile Gloves
- 1 - Pair of Clear Goggles

SPILLKIT-OIL.....\$40.95 each

SPILLKIT-UNIVERSAL.....\$44.50 each

Meets Weyerhaeuser Company Specifications with the following items:

- Oyltite-Stik Sealant (1.25 oz.) for Temp. Repair of Oil/Gas Leaks
- Hazardous Waste Labels (3)
- Non-Hazardous Waste Labels (3)

SPILL-W.....\$37.95 each

FOR INDUSTRIAL EFFLUENTS & SPILLS ON WATER

Used for years by oil companies, refineries, pipeline companies, utilities and railroad companies for clean-up of oil spills and effluents.

- Oil-only sorbents repel water but absorb oils and other petroleum products, organic solvents, mineral and vegetable oils and most EPA designated hazardous liquids.
- Universal sorbents will absorb any liquid.

OIL-ONLY SORBENTS (WHITE)

R144 Sorbent Roll, 144' Heavy Weight.....\$134.95 each

E-150 Sorbent Roll, (144' x 38" x 3/8").....\$99.95 each

E200 5 oz Pads (15" x 18") - 200/pk.....\$58.80 each

E10007 7 oz Pads (15" x 18") - 100/pk.....\$40.00 each

E5-10 5" x 10' Booms - 4/pk.....\$69.95 each

E8-10 8" x 10' Booms - 4/pk.....\$146.00 each

QEP100SMS Laminated Pads - 100/pk.....\$52.95 each

SPS348-O Sorbent Sock (3" x 48").....\$2.50 each

SPS31200 Sorbent Sock (3" x 10') case of 15.....\$74.95 each

UNIVERSAL SORBENTS (GRAY)

E1001 Sorbent Roll, (3/8" x 38" x 144'), Dimpled.....\$105.00 each

E1000 Pads (3/8" x 17" x 19"), Dimpled - 100/pk.....\$65.00 each

UB510 5" x 10' Booms - 4/pk.....\$79.95 each

ALL PURPOSE SORBENTS

The following all-purpose sorbents keep surfaces safe, clean, sanitary and odor free. Absorbs oil, grease, odors, moisture and liquids.



BC-CLAYABSORB

BC-CLAYABSORB Absorb'N Dry, 50 lb. Bag.....\$9.95 each

PEAT2 Peat Sorbent, 2 Cubic Foot Bag.....\$24.95 each

NATURE Natures Broom, 20 lb. Bag.....\$12.95 each

BENTONITE Sodium Bentonite, 50 lb. Bag.....\$16.95 each

OYLITITE STIK SEALANT

- Temporary repair of oil and gasoline leaks.
- Stops oil and gasoline leaks without draining.
- Use on gasoline tanks, fuel oil tanks, transmissions, and oil-filled transformers, plus much more.



11475 1.25 oz.\$14.95

NEED SOMETHING YOU
DON'T SEE HERE?

CALL US!

1-800-592-6940

PENETRANTS & LUBRICANTS

AERVOE PENETRATING OIL

Loosens rust and corrosion formed by alkali, fruit acids, water, and electrolysis. Release rusted and corroded parts with ease. Formulated with low surface tension for fast penetrating action. Attacks rust and corrosion, makes dis-assembly of parts possible with savings in time and material. 16 oz. can 6030..... \$4.25 each



FREE ALL

Bring any frozen, rust-covered parts back to life with industrial strength Free All. Free All spreads deep into rusted or frozen parts, freeing them in seconds with ease! FA12..... \$7.95 each



LUBE-IT ALL

This powerful lubricant spreads deep and leaves behind a long-lasting clear, dry film that reduces wear and friction.

- Displaces Water: Does not conduct electricity on switches, solenoids or PC boards.
- Penetrates: Delivers a lubricating coating to assembled parts and other obstructed surfaces.
- Protects: Displaces and repels moisture, up to 1,200 times its volume in water on surfaces.
- Lubricates: Forms a thin, dry coating to reduce friction and extend the life of parts.



LA12..... \$8.95 each

ZEP Z-WORKS PENETRANT

Displaces moisture on ignition wiring. Stops squeaking of any kind. Valve sprays at any angle and gets to hard-to-reach places.



R07001..... \$8.95 each

NEVER-SEEZ

Protects against rust, corrosion, carbon fusion and seizure at high temperatures. Keeps parts working longer with less wear, and enables faster disassembly when repairs are needed. Brush Top Can.



535-NSBT-16 1 lb..... \$19.95 each

LA-CO EZ BREAK® ANTI-SEIZE

Protect your equipment from seizing and corrosion. Simply apply EZ Break to nuts, bolts, and other metal parts, and your equipment will be rust free and easy to maintain.



- 08910 Copper Grade, 10 oz, Brush-In Cap.....\$12.95 each
- 08925A Copper Grade, 8 lbs, Brush-On.....\$132.50 each
- 08971 Nickel Grade, 8 oz, Brush-In Cap\$19.95 each
- 08972 Nickel Grade, 16 oz, Brush-In Cap.\$29.95 each

WD-40®

- **Lubricates:** WD-40's lubricating ingredients are widely dispersed and hold firmly to all moving parts
 - **Cleans:** WD-40 gets under dirt, grime and grease to clean and it also dissolves adhesives, allowing easy removal of labels, tape, stickers, and excess bonding material
 - **Protects:** WD-40 protects metal surfaces with corrosion-resistant ingredients to shield against moisture and other corrosive elements
 - **Penetrates:** WD-40 loosens rust-to-metal bonds and frees stuck, frozen or rusted metal parts
 - **Displaces Moisture:** Because WD-40 displaces moisture, it quickly dries out electrical systems to eliminate moisture-induced short circuits
- 9846 8 oz. can\$5.75
12+ \$5.15



KNOCK'ER LOOSE® PENETRATING SOLVENT

Knock'er Loose® is an industrial strength, low viscosity lubricant and penetrant designed to quickly loosen and free seized, bound or frozen fasteners. It quickly permeates rust, scale, gum, grease and corrosion with a low surface tension formula that creeps into cracks, seams, threads and joints with greater efficiency than the competition. Knock'er Loose® eases the disassembly of plant machinery, tools and equipment for routine maintenance and emergency repairs. Its super penetrating formula outperforms the competition in penetration, speed and corrosion resistance as verified by laboratory testing.



125-03020\$9.95 each
12+\$8.95 each

PB BLASTER PENETRATING CATALYST

PB quickly breaks loose surface tension rust and corrosion by creeping up, around and in hard-to-reach cavities. It's ideal for brake, exhaust and suspension system jobs. Plus, lubricating film remains on parts to help prevent further rusting.

- Rust inhibitor
- Breaks loose surface tension of rust/frozen parts
- Much higher flashpoint – 152°F
- Non-evaporating lubricant
- Saves time & money by ensuring user will not have to burn off or drill out nuts & bolts or other means of repairs



16-PB\$5.25 each

LUBRIPLATE 105 MOTOR ASSEMBLY GREASE

A smooth light-bodied grease which contains a zinc-oxide anti-wear additive made especially for motor assembly and engine rebuilding. Prevents "Dry Start". Provides necessary lubrication during initial start-up before the motor oil has circulated. Prevents damage from scuffing, scoring and friction. Protects freshly machined engine parts from rust and corrosion.



L105 10 oz. Tube..... \$9.25 each

JB-80® MULTI-PURPOSE LUBRICANT

Multi-purpose lubricant. Stops squeaks, frees rusted parts and displaces moisture. Protects metal from corrosion. Contains JB Metal Conditioner®.



JB-80 13 oz. can \$11.95 each

FIRE EXTINGUISHERS



COLD FIRE SUPPRESSANTS

Cold Fire is an environmentally friendly fire extinguishing agent. Cold Fire gets its name from its extraordinary ability to remove extreme heat from any object in which it comes in contact. The suppressants in Cold Fire remove the heat as well as encapsulate and breakdown the hydrocarbons in the fuel source to extinguish the fire more rapidly.

- UL Classified Wetting Agent for Class A and B fires.
- EPA-SNAP Listed
- Considered an acceptable substitute to toxic forms and Halon
- Non Toxic
- Non Corrosive
- Biodegradable
- Unique Thermal Insulation Capability helps to minimize heat exhaustion
- Extinguishes on contact
- Prevents re-ignition when properly applied
- Encapsulates and breaks down hydrocarbons; reducing hydrocarbon smoke and increasing visibility
- Enhances the penetration capability of water, extinguishing the fire faster, using less water and reducing water damage and water supply needs.
- No messy clean up
- Non-slip
- Indefinite shelf life when stored in closed containers
- Extinguishes Class D fires



CF-30213-ULT	13.5 oz Aerosol Can, Ready to use.....	\$17.00 each
CFHOLSTER	Holster for 13.5 oz Aerosol Can	\$22.95 each
CF-30232C	32 oz Concentrate Refill for Extinguisher.....	\$18.00 each
CF-3025	5 gallon Concentrate for Extinguishers	\$140.95 each

COLD FIRE PORTABLE EXTINGUISHERS (EMPTY)

Use Cold Fire in portable extinguishers with a ratio of 10% Cold Fire solution to 90% water.

CF3021.5	1.5 Gallon.....	\$170.00 each
CF3022.5	2.5 Gallon.....	\$180.00 each
CFBRACKET	Fire Extinguisher Bracket	\$59.95 each

***You can purchase a fully charged Cold Fire Extinguisher for an additional charge. Call for Details!**

PURPLE K FIRE EXTINGUISHER

Purple K fire extinguishers contain specially fluidized and siliconized potassium bicarbonate dry chemical which is particularly effective on Class B flammable liquids and pressurized gases. It is electrically non-conductive. Purple K fire extinguishers have been the choice of oil, gas, chemical and utilities industries as the preferred fire-fighting agent.

- Dependable Drawn Steel Cylinders
- All Metal Valve Construction
- Easy and more economical to maintain and service
- Bar Coded and Bi-lingual Labels



A-413	20 lb Extinguisher	\$194.95 each
515	Purple K Powder, 5 Gallon Pail.....	\$175.00 each

AMEREX FIRE EXTINGUISHERS

Multi-purpose fire extinguishers utilize a special fluidized and siliconized mono ammonium phosphate dry chemical. It chemically insulates Class A fires by melting at approximately 350 degrees Fahrenheit and clings to the surface to which it is applied, smothers and breaks the chain reaction of Class B fires and is a non-conductor of electricity.



- Rugged construction results in ease of use and less cost in maintenance and service
- Complete range of sizes for all hazard requirements
- Comes with Mounting Bracket



Number	Size	UL Rating	Price
A-417T	2.5 lb.*	1A: 10B:C	\$37.95 each
A-500T	5 lb.*	2A: 10B:C	\$53.50 each
A-456	10 lb.	4A: 60B:C	\$72.50 each
A-411	20 lb.	20A: 120B:C	\$148.00 each

WATER STORED PRESSURE FIRE EXTINGUISHER

Water is the fire fighting agent in this stainless steel, stored pressure extinguisher with dent protecting black plastic boot. The cooling, soaking and penetrating 45-55 ft. stream and 50 second discharge time makes it very effective for inexperienced operators to use on Class A fires.



Number	Size	UL Rating	Price
240	2.5 Gal.	3A: 20B:	\$155.00 each

FIRE BLOCK RETARDANT SPRAY

Fire Block is a specially formulated, environmentally friendly product which is used to retard fire in all Class A materials. It forms a thermal insulation barrier that prevents dangerous flames from spreading. Fire Block also inhibits the development of toxic hydrocarbon smoke. Use to treat Class A materials and surfaces such as uniforms, clothing, wood, pre-construction materials, furnishings, carpeting, packing materials, motor home interiors, holiday decorations and storage boxes for added safety against fire.



FD32	32 oz Spray Bottle.....	\$16.00 each
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FIRE EXTINGUISHER ACCESSORIES / BACKUP ALARMS

TRUCK OR WALL MOUNTING BRACKETS WITH RUBBER STRAPS

860	5 lb. Strap.....	\$28.50 each
862	10 lb. Strap.....	\$29.50 each
864	20 lb. Strap.....	\$42.95 each



HEAVY DUTY BOX TYPE TRUCK MOUNTING BRACKETS W/STEEL STRAPS

807	5 lb. Strap.....	\$30.50 each
809	10 lb. Strap.....	\$32.95 each
810A	20 lb. Strap.....	\$36.00 each



WALL MOUNTING BRACKETS W/STEEL STRAPS

817	2.5 lb. Strap.....	\$6.50 each
818	5 lb. Strap.....	\$8.50 each



EXTINGUISHER BRACKET CORD

7166.....	\$12.50 each
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500 SERIES BACK-UP ALARMS

- Compact design and universal mounting maximizes location options
- Stud terminal connection
- Self-grounding
- Encapsulated electronics extend product life



510	97dB, 12VDC.....	\$29.95 each
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575 SERIES BACK-UP ALARMS

- Compact design and universal mounting maximizes location options
- Encapsulated electronics extend product life



575	107dB, 12-24VDC.....	\$47.95 each
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600 SERIES SMART ALARM

- Reverse mounted speaker protects against dust, moisture and vibration
- Designed for demanding applications
- Encapsulated electronics extend product life
- Life of the vehicle warranty



SA901	82 through 107dB, 12-24VDC.....	\$78.95 each
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800 SERIES SMART ALARM

- Reverse mounted speaker protects against dust, moisture and vibration
- Designed for demanding applications
- Encapsulated electronics extend product life
- Life of the vehicle warranty



SA917	87 through 112dB, 12-24VDC.....	\$91.95 each
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"FULL LINE OF ECCO AVAILABLE"

FIRE EXTINGUISHER ACCESSORIES



1000I	Plastic Pin Ties.....	\$0.15 each
1001A	Replacement Pins.....	\$0.50 each
IDSFE	Inspection Card/Recharge Record.....	\$1.25 each
BECMIT	Inspection Tag, Aluminum.....	\$0.95 each
4PTAG	Inspection Tag, Plastic.....	\$0.75 each
HP1	Hole Punch, Light Duty.....	\$9.95 each
TP5R	Hole Punch.....	\$98.50 each

FIRE EXTINGUISHER SIGNS

418FX	4"x18" Red/White Vinyl Sign.....	\$6.00 each
0625	4"x18" Red/White Aluminum Sign.....	\$12.50 each
FX-602-V	4"x4" Pressure Sensitive Vinyl Decal.....	\$1.95 each
PTD 182	6" 3-D Rigid Plastic Sign.....	\$8.95 each

POLY-TUFF 800 FIRE HOSE

800psi - 100% polyester, double jacket construction with a high grade, single-ply, extruded synthetic rubber liner with couplings.

- 50' Length - White.



NFP-PT800-1.550Y	1-1/2" Hose.....	\$129.95 each
NFP-PT800-2.550Y	2-1/2" Hose.....	\$209.95 each
SF125	1-1/2" Nozzle, Brass.....	\$595.00 each
SF250	2-1/2" Nozzle, Brass.....	\$715.00 each

HYDRANT WRENCH

REED02283	Cast Iron.....	\$28.50 each
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GASOLINE CANS

JUSTRITE TYPE 1 STEEL SAFETY CANS



Designed with a single spout for filling and pouring, the sealed lid features automatic positive-pressure relief.

High grade powder-coated steel can is 100% leakproof. Stainless steel flame arrester stops flashback ignition. Swing handle for easy carrying. Large label ID zone to identify contents.



17-175	1 Gallon, Red	\$37.95 each
17-176A	2 Gallon, Red	\$40.95 each
17-176C	5 Gallon, Red	\$46.95 each
10811	5 Gallon, Yellow (Diesel)	\$54.95 each
11089	Spout	\$20.95 each
11202Y	Plastic Funnel	\$9.95 each

EZ-POUR UNIVERSAL FUEL SPOUT

- Spout and cap
- 1/2" replacement push in vent
- Second base cap to fit additional cans
- Flame arrester



10050-EZ	Small (Weedeaters, Chainsaws, etc).....	\$12.95 each
30051	Large, Hi-Flow, W/8" Spout Extension.....	\$13.95 each

JUSTRITE ACCUFLOW™ TYPE II SAFETY CANS

Justrite's patented manifold and proportional flow-control Safe-Squeeze® trigger provides you the means to regulate the flow rate when handling flammable liquids. Fill port with ergonomic lift lever makes filling easy. Flexible 9" (229-mm) long metal hose spout helps control the pour into small openings. High-grade powder-coated steel and stainless steel flame arrester. Sealed lid features automatic positive-pressure relief. Large label ID zone.



17-179A	2.5 Gallon, Red	\$81.95 each
17-179B	5 Gallon, Red	\$84.95 each
10826	5 Gallon, Green (Oil)	\$90.25 each
10832	5 Gallon, Yellow (Diesel)	\$93.95 each
11077	Flex Hose – 12" x 1"	\$21.95 each
11078	Flex Hose – 12" x 5/8"	\$23.95 each

ENVIRO-FLO PLASTIC GAS CANS

Made of durable HDPE with barrier materials to virtually eliminate hydrocarbon emissions. Holds gas and oil mixes and exceeds California Air Resource Board (CARB) and EPA requirements for portable fuel containers.



550474	2 Gallon, Red	\$16.50 each
550476	5 Gallon, Red	\$21.95 each
550479	5 Gallon, Yellow (Diesel)	\$22.95 each

JUSTRITE SUREGRIP® EX SAFETY CABINETS

OSHA compliant safety cabinets provide safe, secure storage and organization for flammable liquids. They minimize employee exposure, reduce fire risks, and add to efficiency when positioned near points of-use. Only Sure-Grip® EX cabinets offer firefighter friendly Haz-Alert™ reflective labels for high visibility in the dark and a versatile U-Loc™ padlockable handle for greater convenience and security. Built to the highest quality standards, all Justrite® cabinets are designed to meet NFPA standards and OSHA regulations.



3-point locking system with high strength stainless steel bullet latches offer maximum protection under fire conditions. Most cabinets have been approved by Factory Mutual ("FM"), the independent certification agency, to ensure performance to demanding standards. All cabinets meet OSHA 29 CFR 1910.106 and NFPA Code 30 and most are FM Approved. Shelves meet ANSI MH28.1.

JTR893000	30 Gallon.....	\$950.00 each
JTR894500	45 Gallon.....	\$1,150.00 each

* Other Sizes Available By Special Order

FILL-RITE 12 VOLT FUEL PUMP

DC pump dispenses up to 15 GPM (57 LPM). Ideal for pumping gas, diesel fuel and kerosene. Includes 18' of battery cable, hose & nozzle and telescoping suction pipe.



FR1210C	\$399.95 each
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FILL-RITE FUEL HAND PUMP

- Compact, high flow, dual-action design delivers up to 20 GPM (76 LPM) per 100 strokes
- Lightweight cast aluminum body
- Pump flow can be reversed by rotating piston 180°
- UL Listed



FR152	Piston-Style	\$187.95 each
FR112	Rotary Hand Style.....	\$187.95 each

JOBX PIANO LID JOB SITE STORAGE BOX

Virtually impossible to bend or pry open!

- Site-Vault™ Security System
- EZ-Loader™ Caster Skid Bolster
- 2x Thicker Side Walls
- Tilt-N-Stow™ Shelf
- Gas Spring Lid Lift Guard
- Recessed Handles



1-652990	On-Site Chest (36 X 20 X 23-3/4).....	Call for Price
1-688990	Piano Lid Boxes (60 X 31 X 38)	Call for Price
1-682990	Piano Lid Boxes (60 X 31 X 50)	Call for Price
1-320990	4" Heavy Duty Caster Set.....	Call for Price

TRUCK LIGHTS

PYRALITE "FLASH SERIES" STROBE LIGHT

The PC500 single-flash strobe light sets the standard with a single, bright flash for protection of your utility, municipal and construction vehicles. Visible in all weather conditions, the PC500 uses solid-state circuitry, a corrosion proof housing and an electrical surge control to insure trouble-free operation. The PC500 has an extremely low amperage draw to conserve energy, while allowing this economical strobe light to work at a high-efficiency level. The cord and plug assembly on the magnetic mount model is designed with a built-in on/off rocker switch and LED indicator.



- PC500 Permanent Mount\$82.95 each
- PC500M Magnetic Mount.....\$98.95 each
- PC-33 Xenon Bulb.....\$26.95 each

12V REVOLVING LIGHTS

- Polycarbonate Lens and Base
- Amber Lens
- Field Replaceable Bulbs
- (2) 55w Rot
- Flat Mirror
- 400 Flashes Per Minute
- Permanent or Magnetic Mount with 15' Straight Cord and Lighter Plug with On/Off Switch



- 6105H Permanent Mount \$148.95 each
- 6105MH Magnetic Mount..... \$169.95 each
- TO1581 Replacement Amber Lens \$41.95 each
- H155W Replacement Halogen Bulb..... \$18.95 each

METEORLITE LED STROBE LIGHT

- Voltage: 12VDC
- (18) 1-Watt LEDs in 6 Pods
- Reflector Style Optics
- 19 Flash Patterns
- SAE Class I
- 5 Year MFR Warranty



- SYLEDMBM-AA Magnetic Mount - Amber \$325.00 each
- SYLEDMBP-AA Permanent Mount - Amber..... \$325.00 each

AUTO REF

-by Richard A. Young and Thomas J. Glover

- The perfect glovebox companion, packed full of valuable automotive information
- Includes maintenance and mileage charts, troubleshooting tips, state atlas maps, and more
- Perfect gift for first-time drivers



- SQ-AUTOREF \$12.50 each

TRIANGLE KIT

- Kit of three triangles in high-density plastic case
- Meets or exceeds all applicable DOT standard FMVSS 125 and all state and legal requirements
- Set-up requires no tool
- Precision reflex tooling provides reflectors with high candle power beam for night use
- Fluorescent inner triangle warns daytime traffic
- Self-contained unit needs no power source
- No skid rubber feet keep the triangle in place in high wind
- Placement instructions permanently printed on case and triangle



SAFETY FLARES

- 30NSP 30 Minute, No Spike\$5.50 each

SAFETY FLASHER

18-diode LED safety flashers with 2 HD magnets attached to the back. This is a standard 18 diode LED flasher "beefed up" with heavy duty magnets. Approximately 6-1/4" wide x 4" high. These will flash up to 32 hours (or more) with 4 (AA) batteries. The 18 super bright LEDs can be seen up to a mile away, can be switched from "steady on" to "flashing" by pushing button on back.



- HF18R-PHD Red.....\$23.95 each
- HF18A-PHD Amber.....\$23.95 each
- HF18W-PHD White.....\$31.95 each

POWER PORT 62 LED WORK LIGHT

- Rechargeable 7.4 Volt Lithium-ion Battery
- Run Time about 3 hours
- Recharge about 4 hours
- 100-125 Volt Ac and 12 Volt DC Vehicle Charger included
- 62 Bright non-glare 80,000 hour LED's
- 360 degree Foldable Swivel Hook
- Impact Proof Housing and Shield



- LED62VC \$64.95 each

SURFACE MOUNT, ULTRA-THIN LED MODULE

- 6 LEDs per head
- 19 Flash patterns
- 12-24VDC



- SYFLAT6-A \$95.00 each

METEORLITE CLASS I LED BEACON, EXTRA LOW PROFILE

- Strobe
- 12-24V DC
- Amber
- Magnetic Mount



- SY22060ELM-A\$175.00 each

SAFETY DIRECTOR™ LIGHTBAR

The 3410 LED Safety Director™ is a compact high-intensity warning system designed to direct traffic approaching from the rear of a stationary vehicle. The compact light-stick design allows for unobtrusive interior or exterior mounting, either flush to the vehicle or using the provided mounting brackets. Inside the cab a modern, soft touch controller provides fingertip control of the 3410's nine built-in flash patterns, features an LED display that mimics the selected pattern in real time and also includes an auxiliary switch. 20A auxiliary relay included.



- Nine flash patterns
- Includes signal bar, controller and cable

3410A Amber\$574.95 each

DIRECTIONAL LED LIGHTS

Part #	Description	Mounting	Flash Patterns	Price
3735A	Amber – 12 V	Surface Mount – 2 Bolt	11	\$45.50
3611A	Amber – Single, 12-24 V	Grill/Deck/Dash/Window	14	\$135.50
3612AA	Amber – Twin, 12-24 V	Grill/Deck/Dash/Window	14	\$267.50
ED3706A	Amber – 12-24 V	Multi-Mount	21	\$129.95
ED3766AC	Amber/Clear – 12-24 V	Surface Mount – 2 Bolt	11	\$137.50



3735A



3611A



3612AA



ED3706A



ED3766AC

LED WORKLAMPS

12-24 Volt, Aluminum Heatsink Housing

Part #	Description	LEDs	Lumens	Price
E92005	Round LED Worklamp, Flood, Acrylic Lens	(8) 3-watt LEDs	1000	\$102.75
E92006	Square LED Worklamp, Flood, Acrylic Lens	(6) 3-watt LEDs	800	\$126.75
E92007	Square, High Voltage & Magnet option, Flood, Polycarbonate Lens	(5) 3-watt LEDs	750	\$68.50
EW2461	Square Magnetic LED, Rechargeable Lithium Battery, Flood, Polycarbonate Lens	(5) 3-watt LEDs	650	\$109.95
EW2450	Square LED, On/Off, 360° Rotation, Removable Handle, Spot, Polycarbonate Lens	(9) 3-watt LEDs	1300	\$152.50
EW2451	Square LED, On/Off, 360° Rotation, Removable Handle, Polycarbonate Lens	(9) 3-watt LEDs	1300	\$152.50



E92005



E92006



E92007



EW2461-NA



EW2450



EW2451

ECCO WARNING LIGHTS

REFLEX™ 5580 SERIES LED MINIBARS

Reflex™ LED minibars provide a compact yet powerful warning solution that offers the flexibility of either permanent or vacuum-magnet mounting. Featuring 12-24 VDC operation, the Reflex™ uses high intensity LEDs and reflective technology to maximize light output. Users can select from 18 flash patterns, either via trigger wire on permanent mount models or cigarette plug switch on magnetic models. Permanent mount models can also be synchronized to operate multiple lights alternately or simultaneously. 15", SAE Class I

Part #	Dome Color	Illumination	Mount	Price
5585CA-VM	Clear	Amber	Vacuum-Magnet	\$349.95
5585CAC	Clear	Amber/Clear	Permanent	\$349.95



REFLEX™ 5590 SERIES LED MINIBARS

5590 Series LED minibar features an innovative design combining Reflective and TIR Optic LED modules to provide superior 360° warning. The TIR Optic modules produce a highly intense, focused and long distance beam to the front and rear of the vehicle while the Reflective modules ensure optimum 360° coverage by producing a dispersed, wide-angle beam to the sides and corners. The 5590 offers 18 flash patterns. 15", SAE Class I



Part #	Dome Color	Illumination	Mount	Price
5590CA-VM	Clear	Amber	Vacuum-Magnet	\$369.95
5590CAC-VM	Clear	Amber/Clear	Vacuum-Magnet	\$369.95
5590CAB-VM	Clear	Amber/Blue	Vacuum-Magnet	\$369.95

STICK-A-LED™

Stick-A-LED™ warning lights are compact, high intensity auxiliary LEDs designed to provide a powerful warning signal with fast and easy installation. The Stick-A-LED™ requires only a single (wiring) hole and simple two wire connection to install, no fasteners are needed. The self-adhesive, peel and stick backing allows placement on any flat surface, each model features a tough polycarbonate housing with integrated optics that provide enhanced light dispersion.



ED0002A	Oval, 120 Lumens, Amber	\$39.50 each
ED0003A	Triangle, 120 Lumens, Amber	\$39.50 each
ED0004A	Rectangle, 360 Lumens, Amber.....	\$51.50 each

PULSE II® LED BEACONS

The 7945 and 7965 Series beacons combine all the major benefits of the latest LED technology with a traditional, strobe style housing at a price point comparable to a strobe. These beacons are suitable for a wide range of applications where an SAE Class I or SAE Class II light is required. The 7945 features 12-48VDC operation and a Pulse 8 flash patterns. The 7965 features 12-24VDC operation and 11 flash patterns. Amber

7945A	Class II, 5" Profile, 3 Bolt Flange/1" Pipe Mount.....	\$113.25 each
7945A-VM	Class II, 5" Profile, Vacuum-Magnet Mount	\$138.95 each
7965A	Class I, 5" Profile, 3 Bolt Flange/1" Pipe Mount.....	\$161.50 each
7970A-VM	Class I, 7" Profile, Vacuum-Magnet Mount.....	\$186.95 each



7945A



7945A-VM



7965A



7970A-VM

TRUCK SAFETY SUPPLIES

AIRPORT FLAGS

Used at most major airfields throughout the world. These orange and white nylon flags are made according to government specifications. Often required on construction vehicles working around military flight lines.

- 36" x 36"
- Staff not included



APF..... \$21.95 each

FLAGMAN FLAGS

- Red cotton 18" x 24"
- 24" staff

1824-R..... \$5.50 each

- Orange vinyl 18" x 18"
- 30" staff

1830A..... \$5.95 each

- Orange mesh 18" x 18"
- 30" dowel

1830-M..... \$5.95 each

- Red vinyl 24" x 24"
- 36" staff

SF24-36-TR \$7.95 each



URETHANE WHEEL CHOCKS

Urethane wheel chocks are strong, safe and lightweight. Impact absorbing chocks grip tire and road, will not cause tire or pavement damage and are oil and chemical resistant.

- Recessed carrying handle
- Mounting hole for ropes, chains or brackets
- Rated for haul trucks with tire sizes up to 105" in diameter and load capacity up to 120 tons
- Orange



OUG (14" H x 17" W - 25 lbs.)..... \$218.00 each

URWC-1 (8" H x 8" L x 11"W - 5 lbs.)..... \$49.95 each

RUBBER WHEEL CHOCKS

Design allows either side of chock to be positioned against the tire. Ideal for keeping truck trailers in place during loading and unloading operations.

- Durable rubber construction
- Resistant to the elements
- Ribbed pyramid design
- Eyebolt for ropes or chains



MRQ (6" H x 10" L x 8" W - 8.5 lbs.) \$18.95 each

MRC-WEDGE (4" H x 7" L x 8" W - 4 lbs.) \$16.95 each

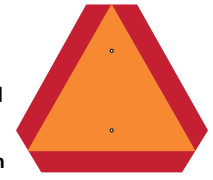
SMV SIGNS

Helps Identify Slow Moving Vehicles. Display in center on rear of slow moving vehicle at height of 3-5 ft. which is best for eye contact and is within normal car headlight beams. 14" high x 16" wide. Fluorescent center is surrounded by red reflective sheeting for nighttime recognition.

RSMV10 .040 Gauge Aluminum \$12.50 each

RSMV20 Pressure Sensitive Vinyl \$10.50 each

SMVEE Economy Medium Gauge Plastic \$8.95 each



TAILGATE WARNING FLAGS

Part Number	Description	1-11	12-24	25+
TF18-MESH	18" x 18" Orange Mesh w/Wire Loop at top	\$4.75	\$4.50	\$4.25
TF18-ORANGE	18" x 18" Orange Vinyl w/Wire Loop at top	\$4.00	\$3.50	\$3.00
TFOR-MESH	18" x 18" Orange Mesh w/2 Grommets at top (no wire loop)	\$4.00	\$3.50	\$3.00
TF18	18" x 18" Red Cotton Flag w/Wire Loop at top	\$4.75	\$4.25	\$3.95



GORILLA® WARNING WHIPS

Used at most major airfields throughout the world. These orange and white nylon flags are made according to government specifications. Often required on construction vehicles working around military flight lines.

- 36" x 36", Staff not included

Part Number	Description	Price
FS3X-O	3' Whip, 12" x 11" Orange Flag, Threaded Mount	\$44.95
FS3X-QD-O	3' Whip, 12" x 11" Orange Flag, Male Quick Disconnect	\$72.95
FS6X-O	6' Whip, 12" x 11" Orange Flag, Threaded Mount	\$53.95
FS6X-QD-O	6' Whip, 12" x 11" Orange Flag, Male Quick Disconnect	\$78.95
FS9025-16-O	16" x 16" Orange Replacement Flag	\$23.95
FSQDB-DUD	Female Quick Disconnect Base Mount w/Debris Cap	\$42.95
FSRR7Y-HB	7' Light Duty Whip, 11" x 7" Orange Flag, Threaded Mount	\$19.95



TRUCK SAFETY SUPPLIES

HEAVY DUTY BLUE POLYPROPYLENE TARPS



070618	8'x10'	.....	\$5.95 each
TARP1012	10'x12'	.....	\$6.95 each
070627	12'x14'	.....	\$10.95 each
070640	20'x30'	.....	\$39.95 each
070642	20'x40'	.....	\$48.95 each
070650	40'x40'	.....	\$98.95 each
070652	40'x60'	.....	\$130.95 each

BOOSTER CABLES

- Polar-Glo™ Clamps
- No-Tangle™ Booster Cable
- T-Prene® Jacket Remains Flexible Even in Extreme Cold Temperatures
- Wire Jacket Material is Oil, Chemical, and Water Resistant
- Polar-Glo™ Clamp is Ergonomically Designed so that it can be Easily Handled by Everyone
- Clamps' Triple-Polarity Identification Includes: Color Coding, Indent Stamping, and Glow-in-the-Dark Labels
- All Energized Clamp Surfaces are Shielded to Avoid Short Circuits
- All Conductive Clamp Surfaces are Recessed to Prevent Accidental Contact
- Made in the U.S.A.



BOOSTER-4-20	20', 4 Gauge.....	\$59.95 each
BC412	12', Heavy Duty 4 Gauge.....	\$82.50 each

WIDE LOAD & OVERSIZED LOAD BANNERS



- Yellow Vinyl "Wide Load" 18" x 6'
494RA \$16.95 each
- Mesh "Oversized Load" 18" x 7' w/grommets
778R..... \$24.95 each
- Mesh "Oversized Load" 12" x 5'
ESCORT-BANNER \$29.95 each

PENNANT FLAGS

Constructed of 4 mil polyethylene and double sewn into a plastic covered, sag-resistant rope. 9" x 12" x 60'



PL-1-MC	Multi-Colored.....	\$6.95 each
PL-1-YL	Yellow, OSHA Approved.....	\$6.95 each

MULTI-SEAL HEAVY DUTY TIRE SEALANT

All heavy tires, whether used on-road or off, routinely endure heavy punishment. They encounter 'tire killers' such as jagged rocks, broken concrete, rebar, scrap metal, welding rods, nails and other hazardous objects.



MULTI-SEAL Heavy Duty is formulated to withstand the rigors of heavy, continuous use. It will also protect your valuable tires from slow leaks around the rim, as well as air loss through punctures from pinholes all the way up to 5/8 inch. It doesn't matter if the equipment is used in long haul trucking or off-road.

1110A	1 Gallon Bottle.....	\$65.00 each
1120	5 Gallon Pail.....	\$349.00 each
1432	1 Quart Bottle, General Purpose.....	\$17.25 each
5005	5 Gallon Pump w/Inline Valve Assembly.....	\$116.95 each

REFLECTIVE TRUCK TAPE

Federal mandate requires all new trailers to be equipped with 2" wide hi-bright reflective tape. Tape must run along both sides and rear of the trailer. Alternating 11" red and 7" white, pressure sensitive tape. 600 candelas bright.



663RS	2" x 150'.....	\$129.95 per roll
DOT2CR-FT	Sold by the foot.....	\$1.50 per foot

WILSON MOBILE 4G AMPLIFIER KIT

Boosts talk, text, internet, 2G, 3G, AWS, and 4G/LTE for most US carriers: AT&T, Verizon, T-Mobile, Sprint, US Cellular, etc. (except for Clearwire and Nextel) for vehicles such as cars, trucks, vans, RVs and boats, up to 50 dB gain for multiple users and devices. DIY kit includes everything you need. Extends battery life. Made in the USA.



460108.....	\$399.99 each
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SUPERWINCH TALON 12V DC WINCHES

12 VDC winch with roller fairlead and 15' wire rope. Ergonomically sealed handheld remote with coiled cord that retracts to 4', connects to winch with military style twist lock. LED light assists in night time winching. Meets tough IP67 standard to keep out water, mud, snow and dust. VS4



Solenoid (Vented, Submersible, Stabilized, Sealed Socket) has a patented venting feature that allows the solenoid to resist water and releases contact damaging internal condensation. Tri-bar bracket insulated mounts reduces vibration and fatigue. Innovative "Dual Stop" 100% load holding brake design provides zero drag on cable. Located inside the gearbox away from the drum to eliminate heat transfer to the rope.

1695200	Talon 9.5, 9,000 lb capacity.....	\$943.95 each
1614200	Talon 14.0, 14,000 lb capacity.....	\$1326.50 each



TIE DOWNS & TOW STRAPS

KEEPER™ EMERGENCY STRAP

Designed for towing stuck automobiles. The polyester webbing absorbs towing jerks and will not rust, rot, or mildew; they are compact and store easily in the trunk.

- Zinc plated hooks resist rusting
- Yellow web color
- 10,000 lb capacity



02815	1-3/4" x 15'	.....	\$19.95 each
02825	1-3/4" x 25'	.....	\$26.95 each

KEEPER™ VEHICLE RECOVERY STRAPS

Used to attach winch cable to anchor point. Protects trees from girding by winch cable. Also protects cable from damage caused by circling load and hooking back onto itself.

- Yellow web color



02953	3" x 6' - 30,000 lb	.....	\$18.95 each
02932	3" x 20' - 22,500 lb	.....	\$20.95 each
02933	3" x 30' - 30,000 lb	.....	\$35.95 each

HEAVY-DUTY WINCH STRAPS W/FLAT HOOKS



04926	Keeper, 4" x 30', 15,000 lb Capacity	.....	\$17.95 each
0430	Ancra, 4" x 30', 15,000 lb Capacity	.....	\$17.95 each
0440	S-Line, 4" x 40', 15,000 lb Capacity	.....	\$27.95 each

KEEPER™ MOTORCYCLE TIE-DOWNS

Heavy-duty cam buckles will not slip and release easily with thumb pressure. All hooks are vinyl coated to prevent scratching handlebar, chrome or paint. Two pack.



05715	1" x 6', 1200 lb Capacity	\$15.95 pair
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KEEPER™ SOFT-TIE CYCLE RATCHET TIE-DOWN W/ PADDED HANDLE

- 8' x 1-1/2"
- 1-1/2" orange webbing
- 8' ratchet tie-downs with a patented built-in soft-tie extension
- 1,000 lbs. working load limit
- 3,000 lbs. break strength
- Padded ratchet handle for added comfort and grip
- Coated snap hooks
- Typically used for large size motorcycles and ATVs
- 2 pack



05723	\$28.95 per package
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KEEPER™ RATCHET TIE DOWNS

Keeper Ratchet Tie-Downs provide maximum tensioning with minimum force. Their Hi-Test™ webbing exceeds the needs of demanding applications. The Safety First, spring loaded release mechanism prevents ratchet from opening accidentally. All products feature compact, non-marring vinyl coated S-hooks.

05508-V

- 10' x 1"
- Red Color
- Package of 4
- 300 lbs. working load limit
- 900 lbs. break strength



05508-V	.....	\$19.95 per package
4+	.....	\$17.95 per package

03508-V

- 8' x 1"
- Camo Design
- Package of 4
- 400 lbs. working load limit
- 1,200 lbs. break strength



03508-V	\$28.95 per package
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03518

- 12' x 1"
- Camo Design
- Package of 2
- 500 lbs. working load limit
- 1500 lbs. break strength



03518	\$20.95 per package
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89511-10

- 10' x 1"
- Black color
- 1200 lbs. break strength
- 400 lbs. working load limit



89511-10	\$7.95 per package
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05514

- 14' x 1"
- 500 lbs. working load limit
- S-hooks
- Non-Marring



05514	1-3	\$12.25 per package
	4+	.....	\$11.00 per package

05519

- 15' x 1.75"
- 1,666 lbs. working load limit
- Double J-hooks



05519	1-3	.....	\$19.95 per package
	4+	.....	\$18.50 per package

TIE DOWNS & TOW STRAPS

KEEPER™ HEAVY-DUTY RATCHET TRUCK CARGO STRAPS

Features an extra wide, long handle to accommodate a gloved hand and provide more leverage.



04622



04623



04627

04622	2" x 27'-10,000 lb. Break Strength-Double J Hook	\$19.95
04623	2" x 27'-10,000 lb. Break Strength-Flat Hook.....	\$19.95
04627	2" x 30'-10,000 lb. Break Strength-Flat Hook.....	\$27.95
430RFH	4" x 30'-5,400 lb Working Load Limit-Flat Hooks	\$74.95
440RFH	4" x 40'-5,400 lb Working Load Limit-Flat Hooks	\$84.95
4RA	Replacement 4" Ratchet Only	\$57.85

KEEPER™ ATV TOW STRAPS W/ SPRING LATCH

Keeper™ tow strap made exclusively for towing ATVs or snowmobiles.

- 1,000 lbs. max vehicle weight
- 3,000 lbs. web capacity
- Combination hook and loop design



02805	2" X 20'	\$17.95 each
02815	1.75" X 15'.....	\$19.95 each
02825	1.75" X 25'.....	\$26.95 each

TARP STRAPS

Tough, resilient tie downs secure tarps, trailers, boxes and loose tools. Units stretch to about 1 1/2 times their relaxed length to fit a variety of load sizes.



163035	15"	\$1.09 each
163040	21"	\$1.30 each
163045	31"	\$1.90 each

KEEPER™ CARGO BAR

Stops cargo shift in pickup trucks. Fits between truck bed sides. Telescoping design adjusts from 45" to 70" to fit all pickup trucks, including flareside/stepside models. No tools required; simply twist by hand to tighten. Rubber feet will not scratch paint and resist slipping.



05056	\$22.95 each
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ANCRA RATCHET STRAP W/CHAIN ANCHORS

- 4" x 27'
- 5400 lb Working Load Limit
- Chain Anchors w/Delta Ring
- Anchors: 3/8" Grade 43 Chain & 3/8" Grade 70 Grab Hooks



49346-14	4" X 27'	\$74.95 each
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KEEPER™ ZIPNET® ADJUSTABLE CAMO CARGO NET

- Fits all pickup trucks
- Uses Keeper™ patented Zip Hook® system
- Color coded cords make installation quick & easy
- Hooks adjust easily to fit any size load
- 36" x 47" minimum relaxed size before stretching
- 74" x 86" maximum relaxed size before stretching
- 111" x 129" maximum size after stretching



03141	\$23.95 each
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Keeper Corporation started in 1979 with a simple goal. To provide a safe, strong, well-made vehicle recovery strap at a reasonable price. Today, Keeper offers a huge selection of cargo control products including cargo bars, tie downs, anchor points, tie down straps, tow ropes, tow straps, cargo nets, loading ramp kits, roof top bags, and more. Secure your cargo with Keeper Corp. products. Whether you have a car, pickup truck, SUV, minivan or trailer, Keeper has products to help you secure and protect your cargo.

~Information provided by www.realtruck.com

ROPE & TWINE

PACIFIC™ MANILA ROPE

Pacific™ 3 Strand, manila rope in coils. Made from natural abaca fiber, this rope is biodegradable and provides low stretch and good resistance to abrasions and sunlight.



200525	3/8" x 600'	.....\$64.95 per roll
200506	1/4" x 1200'	.....\$74.95 per roll
200065	3/4" x 600'	.....\$275.00 per roll
200545	1/2" x 600'	.....\$109.95 per roll
200585	1" x 600'	.....\$398.95 per roll
200585-FT	1" (sold by the foot)	.....\$2.00/ft.

SISAL ROPE

Natural fiber sisal rope. Made from sisalana and henequen plant fibers, this rope is both economic and biodegradable. Used for marine and agriculture applications, as well as for general use. Good resistance to abrasion, sunlight and water.



208005	1/4" x 1500'	.....\$79.95 per roll
208005-FT	1/4" (sold by the foot)	.....\$0.12/ft.
208026	3/8" x 732'	.....\$79.95 per roll
208026-FT	3/8" (sold by the foot)	.....\$0.24/ft.
208030	3/8" x 1200'	.....\$119.95 per roll

TWINE-COTTON

All purpose polyester-cotton blended twine is soft, versatile and economical. Consistent construction resists binding and works for a wide range of applications. Light to medium duty, forms tight, strong knots and extremely flexible.



0316	8 Ply 2.5 lb cone	.....\$12.25 per cone
0443	16 Ply 2.5 lb cone	.....\$12.95 per cone

BRAIDED NYLON CORD

Neo Braid nylon cord. Strong but lightweight and soft. Shock-absorbing elasticity of cord allows it to withstand great strain. Among the most economic cords and it boasts the highest stretch, up to 12 percent. Built to resist UV, rot, mildew, abrasions and most chemicals. Works extremely well in pulleys.



108020	1/8" x 1000' Nylon Cord	.....\$39.95 per roll
108065	1/4" x 1000' Rope	.....\$98.95 per roll
108090	3/8" x 500' #12 Cord	.....\$99.95 per roll
108090-FT	3/8" #12 Cord (sold by the foot)	.....\$.45/ft.
108110	1/2" x 500' #12 Cord	.....\$175.00 per roll
108110-FT	1/2" #12 Cord (sold by the foot)	.....\$.85/ft.

HI-VIZ BRAIDED TWINE

#18 Mason/seine twine features a smooth construction that ties easily and knots securely. This hi-viz twine offers excellent resistance to abrasion, UV light, rot, mildew, petroleum products and most common chemicals.



134137	Flo Pink, 550'	.....\$6.95 per roll
134142	Flo Orange, 550'	.....\$6.95 per roll
135101	White, 550'	.....\$5.95 per roll
135124	Flo Orange, 1100'	.....\$10.95 per roll
135126	White, 1100'	.....\$7.95 per roll
135127	Flo Pink, 1100'	.....\$10.95 per roll

STRETCH FILM

High performance stretch film comes off the roll smoothly. This cast film offers good clarity for easy load and bar code identification. Great puncture resistance and strong load retention. Wraps loads fast



051192	.65 MIL - 18" x 1500'	.....\$18.95 per roll
051530	.65 MIL - 5" x 1000'	.....\$6.95 per roll
051112	.80 MIL - 12" x 1500'	.....\$18.95 per roll

POLYPRO FILM ROPE

Yellow three strand film rope is a strong, lightweight polypropylene rope that floats and has excellent resistance to oil, marine growth and most common chemicals. Designed to not rot or deteriorate. Excellent hand and knot ability, medium lay.



400015	1/4" x 600'	.....\$23.95 per roll
400015-FT	1/4" (sold by the foot)	.....\$0.21/ft
400020	1/4" x 1200'	.....\$46.95 per roll
400050	3/8" x 1200'	.....\$99.95 per roll
400050-FT	3/8" (sold by the foot)	.....\$0.38/ft
400070	1/2" x 600'	.....\$92.95 per roll
400100	5/8" x 600'	.....\$139.95 per roll
400110	3/4" x 600'	.....\$144.95 per roll
400110-FT	3/4" (sold by the foot)	.....\$0.60/ft

WHITE NYLON ROPE

High elongation and strength, good energy absorption, good abrasion resistance, excellent resistance to UV, rot, mildew, oil, grease, gasoline and many chemicals. 3 Strand twisted.



409035	3/8" x 600'	.....\$98.95 per roll
409035-FT	3/8" (sold by the foot)	.....\$0.25/ft.
409050	1/2" x 600'	.....\$169.95 per roll
409050-FT	1/2" (sold by the foot)	.....\$0.50/ft.
315120	3/4" x 600'	.....\$359.00 per roll

TRUCK ROPE

Three-strand Poly/Dacron combo rope features high tensile polyester fiber bound over polypropylene core yarns. This rope features good abrasion resistance, high strength, and will hover just under the water surface. White with tracers. Soft hand/good grip service.



407305	3/8" x 600'	.....\$84.95 per roll
407305-FT	3/8" (sold by the foot)	.....\$0.25/ft.
325100	3/4" x 600'	.....\$320.75 per roll
407310	1/2" x 600'	.....\$145.95 per roll
407310-FT	1/2" (sold by the foot)	.....\$0.40/ft.



CHAINS & BINDERS



CLEVIS GRAB HOOKS

Part Number	Grade	Origin	Size	Working Load Limit	Price
61193	43	Domestic	1/4"	2,600 lbs	\$4.50
61293	43	Domestic	5/16"	3,900 lbs	\$5.95
61393	43	Domestic	3/8"	5,400 lbs	\$6.50
61593	43	Domestic	1/2"	9,200 lbs	\$11.95
62373	70	Domestic	3/8"	7,100 lbs	\$12.95
62373-IMPORT	70	Import	3/8"	7,100 lbs	\$4.95
M805TI	70	Import	5/16"	4,500 lbs	\$4.95
4503715	70	Domestic	1/2"	12,000 lbs	\$20.95
M808TI	70	Import	1/2"	12,000 lbs	\$10.95
M808A	80	Domestic	1/2"	12,000 lbs	\$22.95



BINDER CHAIN, W/CLEVIS HOOKS ON EACH END

Part Number	Grade	Size	Origin	Working Load Limit	Price
638219	43	3/8" x 20'	Domestic	5,400 lbs	\$47.95
638294	70	3/8" x 20'	Domestic	6,600 lbs	\$69.95
0513765	70	1/2" x 20'	Domestic	11,300 lbs	\$149.95
TC3/8X20G70	70	3/8" x 20'	Import	6,600 lbs	\$44.95



BULK CHAIN, DOMESTIC

Part Number	Grade	Size	Working Load Limit	Price
678133	43	3/8" (400' Drum)	5,400 lbs	\$2.49/ft.
678145-FT	43	1/2" (200' Drum)	9,200 lbs	\$4.95/ft.
679033-FT	70	3/8" (400' Drum)	6,600 lbs	\$3.95/ft.
0510610	70	3/8" x 200' (Full Drum)	6,600 lbs	\$625.00/Drum
T0510812-FT	70	1/2" (200' Drum)	11,300 lbs	\$6.95/ft.
T0510812	70	1/2" X 200' (Full Drum)	11,300 LBS	\$1,300.00/Drum



BULK CHAIN, IMPORT

Part Number	Grade	Size	Working Load Limit	Price
500-3310	43	1/4" x 141'	2,600 lbs	\$134.95/Pail
500-3310-FT	43	1/4"	2,600 lbs	\$1.20/ft.
25HTC	43	1/4"	2,600 lbs	\$1.26/ft.
500-3360	43	5/16" x 92'	3,900 lbs	\$134.95/Pail
500-3360-FT	43	5/16"	3,900 lbs	\$1.95/ft.
700-160-FT	70	3/8"	6,600 lbs	\$2.49/ft.



*Grade 80+ chain available, please call for details

CLEVIS SLIP HOOKS

Part Number	Grade	Size	Origin	Working Load Limit	Price
4403515	70	3/8"	Domestic	7,100 lbs	\$17.95
4403715	70	1/2"	Domestic	13,000 lbs	\$24.95



CLEVIS SLIP HOOKS W/LATCH

Part Number	Grade	Size	Origin	Working Load Limit	Price
T9700624	43	3/8"	Import	5,400	\$7.95
T9700824	43	1/2"	Import	9,200	\$14.95



INCO, DOUBLE LOOP CHAIN

Trade Size: 1/0. Many general purpose applications, low carbon steel, zinc plated and polycoated. Made in the USA.
 0751024-FT..... \$.72 /ft.



ANCHOR SHACKLES, FORGED ALLOY GALVANIZED, SCREW PIN

Part Number	Size	Working Load Limit	Price
M648AP	3/8"	2 Tons	\$7.95
M650AP	1/2"	3-1/3 Tons	\$12.25
M651AP	5/8"	5 Tons	\$21.75
M652AP	3/4"	7 Tons	\$25.75
M653AP	7/8"	9.5 Tons	\$40.95
M654AP	1"	12.5 Tons	\$47.50

Part Number	Size	Working Load Limit	Price
M656AP	1-1/4"	18 Tons	\$95.50
M657AP	1-1/2"	25 Tons	\$203.75
M666AP	1-3/8"	21 Tons	\$179.95
M685AP	1-5/8"	29 Tons	\$249.95
M677AP	1-3/4"	34 Tons	\$269.95



ANCHOR SHACKLES, CARBON STEEL BLUE, SCREW PIN

Part Number	Size	Working Load Limit	Price
5410805	1/2"	2 Tons	\$7.95
5411005	5/8"	3-1/4 Tons	\$13.95
5411205	3/4"	4-3/4 Tons	\$19.95
5411405	7/8"	6-1/2 Tons	\$26.95
5411605	1"	8-1/2 Tons	\$35.95
5411805	1-1/8"	9-1/2 Tons	\$52.95

Part Number	Size	Working Load Limit	Price
5412005	1-1/4"	12 Tons	\$74.95
5412205	1-3/8"	13 1/2 Tons	\$109.95
5412405	1-1/2"	17 Tons	\$134.95
5412805	1-3/4"	25 Tons	\$203.95
5413205	2"	35 Tons	\$271.95



CAMPBELL ANCHOR SHACKLES – BOLT TYPE, CARBON STEEL, GALVANIZED

Part Number	Size	Working Load Limit	Price
5390435	1/4"	1/2 Ton	\$14.95
5390635	3/8"	1 Ton	\$20.80
5390835	1/2"	2 Tons	\$21.95
5391035	5/8"	3-1/4" Tons	\$34.00
5391235	3/4"	4-3/4 Tons	\$36.95
5391435	7/8"	6-1/2 Tons	\$44.95
5391635	1"	8-1/2 Tons	\$65.25
5392035	1-1/4"	12 Tons	\$96.50



*Other Campbell Bolt Type Shackles Available 1/4" – 2-1/2"

CAMPBELL SWIVEL HOIST HOOKS – LATCHED, ALLOY, ORANGE

Part Number	Working Load Limit	Price
3952715	4-1/2 Tons	\$88.95
3952915	7 Tons	\$176.95
3953115	11 Tons	\$242.95
3953215	15 Tons	\$339.95



*Carbon Steel and Carbon Steel Galvanized Available

CAMPBELL SELF-LOCKING SWIVEL HOOKS, GRADE 100

Part Number	Size	Working Load Limit	Price
5798895	1/2"	15,000 lbs	\$249.95
5799095	5/8"	22,600 lbs	\$269.95



CHAINS & BINDERS

LATCH KITS FOR SWIVEL HOIST HOOKS

Part Number	Style	Working Load Limit	Price
3990801	Fits 3952915	7 Ton	\$12.95
3991001	Fits 3953115	11 Ton	\$15.95
3991101	Fits 3953215	15 Ton	\$19.95



CAMPBELL "GX" CLAMPS

- "GX" clamp is entirely drop forged and heat treated
- Can be used for both vertical and horizontal-to-vertical lifting
- Exclusive feature is a patented wear indicator system. When any of cam's straight line, convex teeth are flattened between unique wear indicator grooves, it is time to change the cam
- Note: The Pad and Cam should be replaced at the same time
- Clamps are 100% Proof Tested and Certificate of Test supplied with each clamp

Part Number	Grip Range	Working Load Limit	Price
6423000	1/16" – 5/8"	1/2 Ton	\$324.95
6423005	1/16" – 3/4"	1 Ton	\$424.95



DIXIE COLD SHUTS, HEAT TREATED

Part Number	Grip Range	Working Load Limit	Price
51192	1/4"	1,500 lbs	\$0.65
51292	5/16"	2,600 lbs	\$0.80
51392	3/8"	3,900 lbs	\$1.65



QUICK LINKS

- Fast, easy connections for permanent or temporary attachment
- Applications with low carbon chain only
- Brite Zinc Finish

Part Number	Size	Price
H8226-0411	1/4"	\$1.95
H8226-0511	5/16"	\$2.75
H8226-0611	3/8"	\$2.95



PLASTIC SAFETY CHAIN

- #8 Plastic Chain
- Used to control crowds and to fence off areas
- Yellow, white or red



Part Number	Description	Price
0990836	138', Bucket– Yellow	\$144.95
B5953583	#8, Yellow, "S" Hooks, Pack of 2	\$2.25/Pack
0990846	138', Bucket – White	\$144.95
50301	#8, White, "S" Hooks, pack of 25	\$16.95
50302	#8, Yellow, "S" Hooks, pack of 25	\$16.95
50005-RED	160', Bucket - Red	\$144.95
50305	#8, Red, "S" Hooks, Pack of 25	\$16.95

DIXIE RATCHET TYPE LOAD BINDERS – FORGED BARREL, PAINTED RED, DOMESTIC

Part Number	Size	Working Load Limit	Price
48364	1/4"	2,600 lbs	\$59.25
48365	3/8"	5,400 lbs	\$74.95
48366	1/2"	9,200 lbs	\$78.50
48367	5/8"	13,000 lbs	\$144.95



RATCHET TYPE LOAD BINDERS, IMPORT

Part Number	Description	Working Load Limit	Price
6207506	5/16" – 3/8", Grade 70	6,600 lbs	\$48.95
BXR3101	5/16" – 3/8"	5,400 lbs	\$38.95
BXR4101	3/8" – 1/2"	9,200 lbs	\$41.95



DIXIE FORGED LEVER BINDER, PAINTED RED, DOMESTIC

Part Number	Size	Working Load Limit	Price
48304	1/4"	2,600 lbs	\$29.95
48305	3/8"	5,400 lbs	\$45.95
48306	1/2"	9,200 lbs	\$73.50



WHAT DOES THE TERM "WORKING LOAD LIMIT" MEAN?

The term safe working load, (SWL) was the cornerstone of engineering, particularly with regard to load carrying equipment, for many years. It was generally considered to be the breaking load of a component divided by an appropriate factor of safety giving a 'safe' load that could be lifted or be carried.

About 20 years ago, however, the USA ceased using this term, because of legal implications. The European and ISO Standards followed suit a few years later. However, while this was a clean-cut move, for some time there has been indecision as to exactly what replacement terms could be used. Over the past two or three years, both the Americans and Europeans have agreed that working load limit (WLL) should replace safe working load (SWL) in describing the capacity of items such as hooks, slings and shackles etc.



A general definition of WLL was: The maximum mass or force which a product is authorized to support in general service when the pull is applied in-line, unless noted otherwise, with respect to the centerline of the product: i.e. the WLL of a component is specified by the manufacturer. However, while the definition for working load limit was originally confined exclusively to the manufacturer's specified maximum load that the item could lift, it is now generally extended to include both of the following:

- the maximum load that an item can lift;
- the maximum load that an item can lift in a particular configuration or application.

If the WLL is thought of as an assessment of the maximum load an item could lift under ideal conditions, the SWL (if the term is going to be used) can now best be thought of as being a derating of WLL, following an assessment by a competent person of the maximum load the item can sustain under the conditions in which the item is being used.

~ Information obtained from <http://www.irata.org/uploads/healthandsafety/WLLSWL.pdf>

SLINGS

EYE TO EYE – FLAT SLINGS

Made with a flat loop eye on each end with loop eye opening on same place as sling body. This type of sling is sometimes called an eye, eye and eye or double eye-sling. Caution: Do not exceed rated capacities.



Part Number	Size – W X L	Vertical	Choker	Basket	Price
3FEE1901-3	1" X 3' – 1 Ply	1,600 lbs	1,250 lbs	3,200 lbs	\$13.95
3FEE1901-4	1" X 4' – 1 Ply	1,600 lbs	1,250 lbs	3,200 lbs	\$14.95
3FEE1901-6	1" X 6' – 1 Ply	1,600 lbs	1,250 lbs	3,200 lbs	\$15.95
3FEE1901-8	1" X 8' – 1 Ply	1,600 lbs	1,250 lbs	3,200 lbs	\$16.95
3FEE1901-10	1" X 10' – 1 Ply	1,600 lbs	1,250 lbs	3,200 lbs	\$17.95
3FEE1902-4	2" X 4' – 1 Ply	3,200 lbs	2,500 lbs	6,400 lbs	\$15.95
3FEE2901-10	1" X 10' – 2 Ply	3,200 lbs	2,500 lbs	6,400 lbs	\$16.95
3FEE2902-03	2" X 3' – 2 Ply	6,400 lbs	5,000 lbs	12,800 lbs	\$11.95
00010-2'	2" X 2' – 2 Ply	6,200 lbs	4,960 lbs	12,400 lbs	\$11.95
00015-3'	2" X 3' – 2 Ply	6,200 lbs	4,960 lbs	12,400 lbs	\$12.95
00020-4'	2" X 4' – 2 Ply	6,200 lbs	4,960 lbs	12,400 lbs	\$12.95
00040-6'	2" X 6' – 2 Ply	6,200 lbs	4,960 lbs	12,400 lbs	\$17.95
00050-8'	2" X 8' – 2 Ply	6,200 lbs	4,960 lbs	12,400 lbs	\$21.95
00060-10'	2" X 10' – 2 Ply	6,200 lbs	4,960 lbs	12,400 lbs	\$24.95
00070-12'	2" X 12' – 2 Ply	6,200 lbs	4,960 lbs	12,400 lbs	\$28.95
00075-14'	2" X 14' – 2 Ply	6,200 lbs	4,960 lbs	12,400 lbs	\$32.95
00080-16'	2" X 16' – 2 Ply	6,200 lbs	4,960 lbs	12,400 lbs	\$38.95
00090-20'	2" X 20' – 2 Ply	6,200 lbs	4,960 lbs	12,400 lbs	\$42.95
00380-4'	1" X 4' – 1 Ply	3,100 lbs	2,480 lbs	6,200 lbs	\$9.50
3FEE2903-03	3" X 3' – 2 Ply	8,600 lbs	6,900 lbs	17,200 lbs	\$18.95
3FEE2903-06	3" X 6' – 2 Ply	8,600 lbs	6,900 lbs	17,200 lbs	\$25.95
3FEE2903-08	3" X 8' – 2 Ply	8,600 lbs	6,900 lbs	17,200 lbs	\$33.95
3FEE2903-10	3" X 10' – 2 Ply	8,600 lbs	6,900 lbs	17,200 lbs	\$38.95
3FEE2903-12	3" X 12' – 2 Ply	8,600 lbs	6,900 lbs	17,200 lbs	\$42.95
3FEE2903-14	3" X 14' – 2 Ply	8,600 lbs	6,900 lbs	17,200 lbs	\$48.95
3FEE2903-16	3" X 16' – 2 Ply	8,600 lbs	6,900 lbs	17,200 lbs	\$54.95
3FEE2903-20	3" X 20' – 2 Ply	8,600 lbs	6,900 lbs	17,200 lbs	\$68.95
3FEE2903-30	3" X 30' – 2 Ply	8,600 lbs	6,900 lbs	17,200 lbs	\$99.95
3FEE2904-04	4" X 4' – 2 Ply	11,500 lbs	9,200 lbs	23,000 lbs	\$29.50
3FEE2904-06	4" X 6' – 2 Ply	11,500 lbs	9,200 lbs	23,000 lbs	\$34.95
3FEE2904-08	4" X 8' – 2 Ply	11,500 lbs	9,200 lbs	23,000 lbs	\$40.95
3FEE2904-10	4" X 10' – 2 Ply	11,500 lbs	9,200 lbs	23,000 lbs	\$46.95
3FEE2904-12	4" X 12' – 2 Ply	11,500 lbs	9,200 lbs	23,000 lbs	\$61.95
3FEE2904-16	4" X 16' – 2 Ply	11,500 lbs	9,200 lbs	23,000 lbs	\$72.95
3FEE2904-20	4" X 20' – 2 Ply	11,500 lbs	9,200 lbs	23,000 lbs	\$90.50
3FEE2904-30	4" X 30' – 2 Ply	11,000 lbs	8,800 lbs	22,000 lbs	\$98.95
3FEE2906-08	6" X 8' – 2 Ply	16,300 lbs	13,000 lbs	32,600 lbs	\$64.95
3FEE4904-20	4" X 20' – 4 Ply	19,800 lbs	15,800 lbs	39,600 lbs	\$189.95
3FEE2906-30	6" X 30' – 2 Ply	16,300 lbs	13,000 lbs	32,600 lbs	\$289.95

SLINGS

ENDLESS SLINGS – YELLOW, FLAT

Endless Slings, sometimes referred to as a grommet, form a continuous loop by joining the ends of the fabric together with a splice.



Part Number	Size – W X L	Vertical	Choker	Basket	Price
5-EN1-901-6	1" x 6' – 1 Ply	3,200 lbs	2,560 lbs	6,400 lbs	\$13.95
5-EN1-902-6	2" x 6' – 1 Ply	6,200 lbs	4,960 lbs	12,400 lbs	\$22.95
5-EN2-901-6	2" x 6' – 2 Ply	6,200 lbs	4,800 lbs	12,400 lbs	\$23.95

TWISTED SLINGS



Part Number	Size – W X L	Vertical	Choker	Basket	Price
4-EET2-902-6'	2" x 6' – 2 Ply	6,400 lbs	5,000 lbs	12,800 lbs	\$18.95
4-EET2-902-8'	2" x 8' – 2 Ply	6,400 lbs	5,000 lbs	12,800 lbs	\$22.25
4-EET2-902-13'	2" x 13" – 4 Ply	6,400 lbs	5,000 lbs	12,800 lbs	\$34.95

ROUND SLINGS, ENDLESS

Part Number	Size – W X L	Color	Vertical	Choker	Basket	Price
SR1-12	12'	Purple	2,650 lbs	2,120 lbs	5,300 lbs	\$36.95
SR2-06	6'	Green	5,300 lbs	4,240 lbs	10,600 lbs	\$21.95
SR2-08	8'	Green	5,300 lbs	4,240 lbs	10,600 lbs	\$32.95
SR2-10	10'	Green	5,300 lbs	4,240 lbs	10,600 lbs	\$35.95
SR2-12	12'	Green	5,300 lbs	4,240 lbs	10,600 lbs	\$39.95
SR2-20	20'	Green	5,300 lbs	4,240 lbs	10,600 lbs	\$74.95
SR3-12	12'	Yellow	8,400 lbs	6,700 lbs	16,800 lbs	\$56.95
SR3-16	16'	Yellow	8,400 lbs	6,700 lbs	16,800 lbs	\$74.95
SR5-06	6'	Red	13,200 lbs	10,560 lbs	26,400 lbs	\$42.95
SR5-08	8'	Red	13,200 lbs	10,560 lbs	26,400 lbs	\$55.95
SR5-10	10'	Red	13,200 lbs	10,560 lbs	26,400 lbs	\$64.95
SR5-12	12'	Red	13,200 lbs	10,560 lbs	26,400 lbs	\$78.95
SR7-03	3'	Blue	21,200 lbs	17,000 lbs	42,400 lbs	\$35.95
SR7-06	6'	Blue	21,200 lbs	17,000 lbs	42,400 lbs	\$64.95
SR7-8	8'	Blue	21,200 lbs	17,000 lbs	42,400 lbs	\$82.95
SR7-10	10'	Blue	21,200 lbs	17,000 lbs	42,400 lbs	\$99.95
SR7-12	12'	Blue	21,200 lbs	17,000 lbs	42,400 lbs	\$112.95
SR7-14	14'	Blue	21,200 lbs	17,000 lbs	42,400 lbs	\$134.95
SR7-16	16'	Blue	21,200 lbs	17,000 lbs	42,400 lbs	\$149.95
SR7-20	20'	Blue	21,200 lbs	17,000 lbs	42,400 lbs	\$184.95
SR9-10	10'	Grey	31,700 lbs	25,300 lbs	63,400 lbs	\$134.95
SR9-12	12'	Grey	31,700 lbs	25,300 lbs	63,400 lbs	\$184.95
SR9-16	16'	Grey	31,700 lbs	25,300 lbs	63,400 lbs	\$224.95
SR9-20	20'	Grey	31,700 lbs	25,300 lbs	63,400 lbs	\$269.95
SR12-8	8'	Olive	66,100 lbs	52,880 lbs	132,200 lbs	\$189.95



SIGNS FOR LESS



318-688-7297

**Custom Signs Made
Just For You**

AUTO Graphics

LOGOS & Decals

BANNERS

DIGITAL IMAGING

FLEET LETTERING

MAGNETICS

SAFETY

HIGHWAY SIGNS

Real Estate

Custom DESIGNS

45+ Years Combined Experience

CUSTOM SIGNS



CUSTOM SIGNS FOR ANY OCCASION

Call our Sign Shop with your specific needs and let us design a sign for your business, school, or home! Available on plastic, aluminum, steel or wood. Call for more information or to get a quote today!



BANNERS

We can make banners for any occasion. Call our in-house Sign Shop and let us design for you. Standard banners are 13 oz. white vinyl with one color lettering – your choice. Additional colors and/or logos can be added at an additional charge. Call for more information.



2X6	2' x 6'	.....	\$53.00 each
3X6	3' x 6'	.....	\$74.00 each
2X8	2' x 8'	.....	\$66.00 each
3X8	3' x 8'	.....	\$83.00 each
2X10	2' x 10'	.....	\$80.00 each
3X10	3' x 10'	.....	\$100.00 each
3X15	3' x 15'	.....	\$145.00 each

* Two-Sided Banner – Add 50% to above Prices.

* Banners can be special ordered in additional colors and sizes. Prices may vary.

CUSTOM SIGNS

CUSTOM MAGNETIC VEHICLE SIGNS

Don't have an identity crisis! ID yourself!

- Removable/Reusable on color lettering on white magnetic material
- Available up to 12" x 24"
- Additional colors, sizes and logos available at additional cost

1224-MAG \$59.95 /pair



TRUCK AND VEHICLE LETTERING

Look like the Professional you are!

Let us custom letter and design your vehicle.

Call for a quote today!



USDOT NUMBERS

2" USDOT numbers for your company vehicles. Premium vinyl numbers in your choice of red, blue, black or white. Easy to apply – in one piece.

USDOT \$9.95 /pair

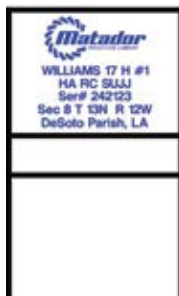
READY TO APPLY LETTERING & LOGOS

We can make lettering or logos in your choice of colors and sizes. It comes taped and ready to apply to your sign, vehicle, boat, window, etc. Call for price quote.

SIGN FRAMES AND STAKES

Display your sign with our black angle iron frames.

1824-HF 18" x 24"\$24.95 each
2436-HF 34" x 36"\$34.95 each



CONTRACTOR JOB SITE SIGNS

Designed according to your specifications!
Call for more information.



SAFETY SIGNS

OSHA APPROVED SAFETY SIGNS

- Keep your workers informed and safe
- All Header Signs available with YOUR CHOICE of wording at no extra charge
- .040 Aluminum with baked enamel finish & 4 corner holes for mounting



Size/Type	Danger	Notice	Caution	Price
7" x 10" Aluminum	1007-AD	1007-AN	1007-AC	\$10.95
7" X 10" Vinyl	1007-DV	1007-NV	1007-CV	\$10.95
10" X 14" Aluminum	1014-AD	1014-AN	1014-AC	\$15.95
10" X 14" Vinyl	1014-DV	1014-NV	1014-CV	\$15.95
14" X 20" Aluminum	1420-AD	1420-AN	1420-AC	\$19.95

MADE TO ORDER SAFETY SIGNS

- We can make signs for all your needs
- Assorted lettering and colors available
- All signs are .040 aluminum – white with 4 corner holes for mounting

Part Number	Size	Price
1007-A	10" X 7"	\$10.95
1014-A	10" X 14"	\$15.95
1420-A	14" X 20"	\$19.95
1824-A	18" X 24"	\$29.95
2436-A	24" X 36"	\$39.95
0624-A	6" X 24"	\$17.95



PRE-MADE DANGER SIGNS

Part Number	Size/Style	Legend	Price
1014-CS	10" x 14" - .040 Aluminum	Confined Space, Enter By Permit Only	\$15.95
1014-NS	10" x 14" - .040 Aluminum	No Smoking w/Symbol	\$15.95
1014-ADHV	10" x 14" - .040 Aluminum	High Voltage	\$15.95
1824-DOP-C	18" X 24" - Coroplast	Overhead Powerlines	\$12.95



BILINGUAL SIGNS

- Many of our safety signs are available with bilingual wording.
- Keep all of your workers informed!
- Call for more information.



****All signs on this page are made to order with your legend. Please specify when ordering.****

STREET & HIGHWAY SIGNS

STREET NAME SIGNS

Necessary for 911 areas. 6" aluminum (.080) flat blade with Engineering Grade reflective background and letters on both sides. White letters on your choice of blue or green sign. Length of sign depends on name of street.



Part Number	Size/Color	Price
5618	18" Green Sign	\$29.95
5624	24" Green Sign	\$29.95
5630	30" Green Sign	\$29.95
5636	36" Green Sign	\$29.95

HIGHWAY WARNING SIGNS

Orange or Yellow engineering grade reflective sheeting on .080 aluminum. Diamond shape. Your choice of legend or symbols.

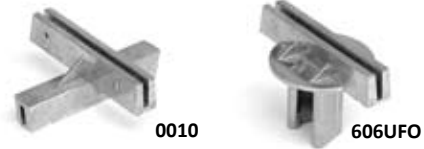
Part Number	Size/Color	Price
2424-AO	24" x 24" Orange	\$33.95
2424-AY	24" x 24" Yellow	\$33.95
3030-AO	30" x 30" Orange	\$45.95
3030-AY	30" x 30" Yellow	\$45.95
3636-AO	36" x 36" Orange	\$59.95
3636-AY	36" x 36" Yellow	\$59.95
4848-AOHI*	48" x 48" Orange	\$149.95
4848-AODG**	48" x 48" Orange**	\$189.95

*High Intensity
**Diamond Grade

STREET SIGN BRACKETS

Used for mounting street name signs to U-Channel posts.

- 606UFO Sign-to-Post Bracket\$4.95 each
- 0010 Sign-to-Sign Cross Bracket\$3.95 each



SIGNS FOR LESS

Need A Custom Sign, Banner, Label, or Decal?
Call 1-318-688-7297 for more information!

****All signs on this page are made to order with your legend. Please specify when ordering.****

TRAFFIC CONTROL SIGNS



HAZARD MARKER



HANDICAP PARKING SIGNS



STOP SIGNS & YIELD SIGNS



ONE WAY SIGNS



RAILROAD CROSSING SIGN



DO NOT ENTER SIGN



SPEED LIMIT SIGNS



SLOW CHILDREN-AT-PLAY SIGNS

HAZARD MARKERS

12" x 36" - .080 aluminum, yellow/black.

0811-AR	Right, Reflective	\$20.95 each
0811-AL	Left, Reflective.....	\$20.95 each
0911	Right, High Intensity	\$38.95 each
0910	Left, High Intensity	\$38.95 each

HANDICAP PARKING SIGNS

Blue reflective sheeting with white letters and symbol on .080 aluminum signs.

1218-HCS	Custom Legend, 12" x 18"	\$15.95 each
1218-HCVA	Van Accessible, 12" x 18"	\$15.95 each
1218-HCPO	Handicap Parking Only, 12" x 18"	\$15.95 each
1218-HCR	Reserved Parking (Tri-color), 12"x 18.....	\$15.95 each
0612-VA	Van Accessible, 6" x 12"	\$8.95 each
0612-ABLW	Blank, 6" x 12"	\$14.95 each

STOP SIGNS & YIELD SIGNS

.080 aluminum with Engineering Grade Reflective Sheeting.

2424-STOP	24" Stop Sign	\$29.95 each
3030-STOP	30" Stop Sign	\$39.95 each
3030-STOP-P	30" High Intensity Stop Sign.....	\$46.95 each
36-YIELD	36" Yield Sign	\$40.50 each
0612-4W	6" x 12" 4-Way Sign	\$14.95 each

ONE WAY SIGNS

.080 Aluminum - 18" x 24", Reflective

1824-OWR	One Way Right.....	\$29.95 each
1824-OWL	One Way Left	\$29.95 each

.080 Aluminum - 12" x 36", Reflective

1236-OWR	One Way Right.....	\$29.95 each
1236-OWL	One Way Left	\$29.95 each

RAILROAD CROSSING SIGN

36" yellow and black on .080 aluminum.

36-RRX	\$54.95 each
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DO NOT ENTER SIGNS

Engineering grade reflective sheeting on .080 aluminum.

2424-DNE	24" x 24", Red on White.....	\$32.95 each
3030-DNE	30" x 30", Red on White.....	\$45.95 each

SPEED LIMIT SIGNS

Engineering grade reflective sheeting on .080 aluminum. Specify speed.

1824-ASL	18" x 24"	\$29.95 each
2430-ASL	24" x 30"	\$39.95 each

SLOW-CHILDREN AT PLAY SIGNS

- Engineering grade reflective sheeting on .080 aluminum
- Black on Yellow
- 18" x 24"

1824-SC	\$29.95 each
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TRAFFIC CONTROL SIGNS



**PEDESTAL
BASE**



CONE SIGNS

INFORMATIONAL SIGNS



ABOVE SHOWN ARE SAMPLES

PEDESTAL BASE

Pedestal Bases are drilled for mounting 12" x 18", 18" x 24" and 24" x 24" signs. (Sign not included.) 1-7/8" OD pipe, GP-4 14" cast iron base with 4" pipe. Weighs 27 lbs.

10051 \$99.95 each

CONE SIGNS

Orange all-weather ABS plastic signs with black border and legends. Snaps on top of standard traffic cones. Custom legends available at no extra charge. 10-1/2" x 12-3/4"

1012-PO \$14.95 each

****Cone Sold Separately****

U-CHANNEL SIGN POSTS

Steel with green acrylic finish.

1007P	7 ft. - 1.12 lbs/ft	\$9.25 each
1010	6 ft. - 1.12 lbs/ft	\$9.00 each
1015	6 ft. - 2 lbs/ft	\$12.95 each
1017	7 ft. - 2 lbs/ft	\$14.50 each
1020	8 ft. - 2 lbs/ft	\$18.95 each
1030	10 ft. - 2 lbs/ft	\$22.85 each
1040	12 ft. - 2.0 lbs/ft	\$27.25 each



POST DRIVER

PD1 3-1/2", Black \$59.95 each

INFORMATIONAL SIGNS

- Custom made in our sign shop with your choice of wording
- Available on .080 aluminum, engineering grade
- Reflective face with border and one color lettering
- Multiple colors available at additional cost
- Additional charge for custom logos.

12" X 18" SIGNS, 0.80 ALUMINUM, REFLECTIVE

1218-AB	White, Black Border	\$18.95 each
1218-ABLW	White, Blue Border	\$18.95 each
1218-AG	White, Green Border	\$18.95 each
1218-AR	White, Red Border	\$18.95 each
1218-AY	Yellow, Black Border	\$18.95 each

18" X 24" SIGNS, 0.80 ALUMINUM, REFLECTIVE

1824-AL	White, No Border	\$29.95 each
1824-AB	White, Black Border	\$29.95 each
1824-ABLW	White, Blue Border	\$29.95 each
1824-AR	White, Red Border	\$29.95 each

24" X 30" SIGNS, 0.80 ALUMINUM, REFLECTIVE

2430-AB	White, Black Border	\$39.95 each
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NUTS & BOLTS

- Bolts, nuts and washers for attaching signs to posts
- Two sets needed per sign

USED \$0.50 /set

GALVANIZED U-CHANNEL SIGN POSTS

1015-GALV-2.2	6 ft. - 2.2 lbs/ft	\$17.75 each
1020-GALV-2.2	8 ft. - 2.2 lbs/ft	\$21.75 each
745597	10 ft. Round Post - 16 Gauge 2+ lbs/ft	\$29.95 each
1090-GALV-2.7	9 ft. - 2.7 lbs/ft	\$33.50 each
1030-GALV-2.2	10 ft. - 2.2 lbs/ft	\$26.95 each
1030-GALV-2.7	10 ft. - 2.7 lbs/ft	\$36.40 each

*Other Posts are available in both length and weight.

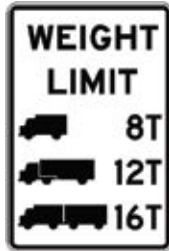
TRAFFIC CONTROL SIGNS



END OF ROAD



DEAD END



WEIGHT LIMIT



SCHOOL CROSSING



SCHOOL ADVANCE



NEIGHBORHOOD WATCH



NO PARKING



NO PARKING FIRE LANE

END OF ROAD

1818-EOR 18" x 18"\$21.95 each

NO PARKING - FIRE LANE

1218-FL 12" x 18"\$18.95 each

DEAD END

2424-DE 24" x 24"\$32.95 each

SCHOOL ADVANCE

3030-SA 30" x 30"\$45.95 each

WEIGHT LIMIT

Single, Double, and Triple Axle Available

2430-WL 24" x 30"\$39.95 each

SCHOOL CROSSING

3030-SC 30" x 30"\$45.95 each

*School Signs also available in Fluorescent Yellow-Green 3M™ Diamond Grade™. Call for Prices.

NEIGHBORHOOD WATCH

1218-NW 12" x 18"\$18.75 each

NO PARKING

1218-NP 12" x 18"\$18.95 each

All signs are .080 aluminum with 3M™ High Intensity or 3M™ engineering grade. Some signs shown may be special order.

Shop Online at www.shoptrafficsigns.com

HIGH INTENSITY SIGNS

MISCELLANEOUS SIGNS

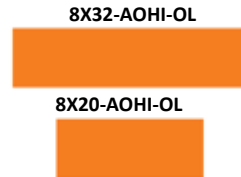
END ROAD WORK

48" x 24" Aluminum – Orange and Black
 4824-AOHI-ERW \$64.95 each



ALUMINUM OVERLAY

8X32-AOHI-OL 8" x 32"\$35.95 each
 8X20-AOHI-OL 8" x 20"\$24.95 each



ROAD WORK NEXT ___ MILES

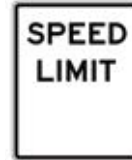
Aluminum – Orange and Black
 4824-AOHI-RWNM 48" X 24"\$64.95 each
 6036-AOHI-RWN_M 60" x 36"\$99.95 each
 6024-AOHI-RWNM 60" X 24"\$86.95 each



Note: Please specify number of miles when ordering.

SPEED LIMIT

60" x 48" Aluminum – Black and White
 6048-AHI-SL..... \$149.95 each



Note: Please specify speed limit when ordering.

PASS WITH CARE

24" x 30" Aluminum – Black and White
 2430-AWHI-PWC \$49.95 each



DO NOT PASS

Aluminum – White and Black
 2430-AWHI-DNP\$49.95 each



DETOUR

Aluminum – Orange and Black
 4818-AOHI-DETOUR 48" X 18" – Right Arrow, No Legend \$49.95 each
 4818-AOHI-DETOUR-R 48" x 18" – Right Arrow\$49.95 each
 4818-AOHI-DETOUR-L 48" x 18" – Left Arrow\$49.95 each
 2430-AWHI 24" x 30" – Blank* (Black & White) \$49.95 each
 *Please specify "Your Legend" when ordering



NOTE: Diamond Grade is required for ALL states other than Louisiana.
 All of the above mentioned signs and more are available in Diamond Grade by special order.
 Please call for more information.

HIGH INTENSITY SIGNS

ROAD SIGNS

4848-AOHI	Blank, Hi-Intensity Prismatic Reflective.....	\$149.95 each
4848-AODG	Blank, Diamond Grade Reflective.....	\$189.95 each
4848-AOHI-R	Road "Your Legend Here"	\$149.95 each
4848-AOHI-RW	Road Work "Your Legend Here"	\$149.95 each
4848-AOHI-RWA	Road Work Ahead.....	\$149.95 each
4848-AOHI-RC	Road Closed	\$149.95 each
4848-AOHI-SLA	Speed Limit Advisory (Specify Speed)	\$149.95 each



4848-AOHI
4848-AODG



4848-AOHI-R



4848-AOHI-RW



4848-AOHI-RWA



4848-AOHI-RC



4848-AOHI-SLA

MILES PER HOUR

24" x 24" .080 Gauge Aluminum – Orange and Black.

2424-AOHI-MPH.....	\$39.95 each
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Note: Please specify speed when ordering.

ROAD CLOSED SIGNS

LEGEND: ROAD CLOSED

48" x 30" - Black and White

4830-BONEHI-RC	Alum. Composite Material (ACM)	\$69.95 each
4830-CPHI-RC	Coroplast.....	\$64.95 each



LEGEND: "YOUR LEGEND HERE" CLOSED

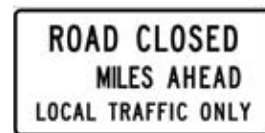
4830-BONEHI-__CLOSED	Alum. Composite Material (ACM)	\$69.95 each
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LEGEND: ROAD CLOSED ___ MILES AHEAD LOCAL TRAFFIC ONLY

60" x 30" - Black and White

6030-BONEHI-RCLTO	Alum. Composite Material (ACM)	\$91.95 each
6030-CPHI-RCLTO	Coroplast.....	\$79.95 each



Note: Please specify number of miles when ordering.

LEGEND: ROAD CLOSED TO THRU TRAFFIC

60" x 30" - Black and White

6030-BONEHI-RCTTT	Alum. Composite Material (ACM)	\$91.95 each
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ARROWS

48" x 24" Coroplast

4824-CPHI-DA	Double Arrows	\$59.95 each
4824-CPHI-SA	Single Arrow.....	\$59.95 each



MESH SIGNS

Legend	Mesh 36" x 36"	Mesh 48" x 48"	Reflective 48" x 48"	Non-Reflective 48" x 48"
	\$42.50	\$59.95	\$149.95	\$69.95
Blank (No Legend)	---	---	10070	10071DNR
Be Prepared to Stop	1336-BP	1348-BP	10070-BP	10071-BP
Bump	---	---	10070-BUMP	---
Caution Mud On Road	1336-MOR	---	---	---
Caution Smoke Ahead	1336-CSA	1348-CSA	---	---
Caution Smoke On Road	1336-CSOR	1348-CSOR	---	---
Construction Ahead	---	1348-CA	---	---
End Road Work			10070-ERW	
End Utility Work	1336-EUW	1348-EUW	---	---
Flagman (Symbolic)	1336-FM	1348-FM	10073	---
Flagman Ahead (Legend)	---	1348-FA	---	---
Fresh Oil			10070-FRESH OIL	
Log Trucks Entering Highway	1336-LTEH	1348-LTEH	10070-LTEH	---
Men Working	1336-MW	1348-MW	---	---
Mowing Operation Ahead	---	1348-MOA	---	---
Oil On Road	---	1348-OOR	---	---
One Lane Road Ahead	1336-OLR	1348-OLR	10074	---
Overhead Power Lines	---	1348-OPL	---	---
Pipeline Construction Ahead	1336-PCA	1348-PCA	10070-PCON	10071-PCA
Pipeline Crossing 1000 Ft.	1336-PC1000	---	---	---
Pipeline Crossing 500 Ft.	1336-PC500	---	---	---
Pipeline Crossing Ahead	---	1348-PCRA	---	---
Prescribed Burn Ahead	---	1348-PBA	---	---
Ramp Closed Ahead			10070-RCA	
Right Lane Closed	1336-RLC	---	10070-RLC	---
Right Lane Closed w/Left Lane Overlay		1348-RLC-LO	10070-RLC-LO	
Road Closed	1336-RC	---	10070-ROADCLOSED	---
Road Closed Ahead	1336-RCA	1348-RCA	10070-ROADCLOSED	---
Road Work Ahead	1336-RWA	1348-RWA	10079	---
Shoulder Closed	---	1348-SC	---	---
Shoulder Work Ahead	1336-SWA	1348-SWA	10070-SWA	---
Survey Crew Ahead	1336-SCA	1348-SCA	---	---
Tree Work Ahead	1336-TWA	---	---	---
Trucks Entering Highway	1336-TEH	1348-TEH	10070-TEH	---
Trucks Turning	---	1348-TT	---	---
Utility Construction Ahead	1336-UCA	1348-UCA	---	---
Utility Work 2000 Ft.	1336-UW2K	1348-UW2K	---	---
Utility Work 500 Ft.	1336-UW500FT	1348-UW5K	---	---
Utility Work Ahead	1336-UWA	1348-UWA	10070-UWA	10071
Work Area Ahead	---	---	10081	---

ROLL-UP SIGNS & SIGN STANDS

MESH SIGN STAND

- Simply drive into ground using convenient foot step and attach sign
- Holds sign securely and will not blow off
- Made of sturdily welded steel
- High visibility orange
- Measures 5 ft. high

1200A.....\$32.95 each



FOLDING FLAG SYSTEM FOR ROLL-UP SIGNS

- Keeps 18" x 18" vinyl flags with sign panel at all times
- Flags roll up inside panel for protection
- Simple, easy to use mechanism



FFS-2-B (2) 18" Flags \$17.95 each

ROLL-UP VINYL SIGNS

3M™ SCOTCHLITE™ REFLECTIVE MATERIAL

- Hi-Viz Orange
- 48" x 48" (36" x 36" also available)
- Fiberglass Crossbracing
- Please specify legend when ordering

10070\$149.95 each



NON-REFLECTIVE MATERIAL

- Hi-Viz Orange
- 48" x 48" (36" x 36" also available)
- Fiberglass Crossbracing
- Please specify legend when ordering

10071DNR\$69.95 each

COMPACT SIGN STAND FOR ALL ROLL-UP SIGNS

Compact Sign Stand for Roll-Up signs with a heavy duty base deploys quickly and folds small. Galvanized steel legs offer maximum resistance to rust and corrosion. The 2-position, 2-piece telescoping legs adjust for maximum stability on uneven terrain and road shoulders. Functions with Roll-Up Signs with a vertical batten. NCHRP-350 Accepted for use with ALL Roll-Up Signs.



C-102.....\$135.95 each

Roll-Up, Mesh, Reflective and Non-Reflective Vinyl: All sign prices include ribs. Same price with or without custom legend.

A WORD ABOUT SIGNAGE FROM THE US DEPARTMENT OF LABOR

Temporary traffic control zone signs convey both general and specific messages by means of words or symbols and have the same three categories as all traffic signs: namely, regulatory signs, warning signs, and guide signs. The colors for regulatory signs shall follow the standard for regulatory signs. Warning signs in temporary traffic control zones shall have a black legend on an orange background. Yellow warning signs within the traffic control zone which are still applicable may remain in place.

Where the color orange is specified, fluorescent red-orange or fluorescent yellow-orange colors may be used. The fluorescent versions of orange provide higher conspicuity than standard orange, especially during twilight. All signs used at night shall be either retroreflective, with a material that has a smooth, sealed outer surface, or illuminated to show similar shape and color both day and night. Sign illumination may be either internal or external. Roadway lighting does not meet the requirements for sign illumination.

Standard orange flags or Type B high-intensity flashing warning lights may be used in conjunction with signs. However, they must not block the sign legend. On secondary highways and city

streets, smaller signs may be used if authorized by lawful authority. Deviations from standard sizes shall be in 6-inch increments.

As a general rule, signs should be located on the right-hand side of the roadway. When special emphasis is needed, signs may be placed on both the left and right sides of the roadway. Signs may be mounted on portable supports placed within the roadway itself. Signs, although ordinarily mounted on posts, may also be mounted on or above barricades.

Signs erected at the side of the road should be mounted at a height of at least 7 feet, measured from the bottom of the sign to the near edge of the pavement. The height to the bottom of a secondary sign mounted below another sign may be 1 foot less than the appropriate height specified above.

Signs may be mounted on portable supports for short-term, short-duration, and mobile conditions. Signs mounted on Type III barricades should not cover more than 50 percent of the top two rails or 33 percent of the total area of the three rails. Unprotected sign systems should be crashworthy. The bottom of signs mounted on barricades or temporary supports shall be no less than 1 foot above the traveled way.



Rural District



Rural District With Advisory Speed Plate



Urban District



Urban District

SIGN STANDS

T155 TRIPOD SIGN STAND

The T155 tripod is an all-purpose three legged heavy duty sign stand designed to hold 36" and 48" rigid signs. Roll-up signs can also be displayed with the addition of the optional roll-up sign adapter.

- D.O.T. Approved - Meets MUTCD specifications, NCHRP-350 compliant.
- Telescoping mast, flagholder for 3 standard flags.
- Displays 36" and 48" rigid signs, displays roll-up signs with the addition of optional #RUB100 roll-up sign adapter.
- Powder coated, rugged square tubular steel construction.



T155 Tripod Stand for Rigid Signs\$74.95 each
RUB3315 Roll-up Sign Adapter Bracket\$21.85 each

T55 ECONOMY TRIPOD STAND

The T55 tripod is an all-purpose three legged economy sign stand designed to hold 36" and 48" roll-up and rigid signs. Powder coated steel construction and ease of use makes the T55 a smart choice for low to medium wind conditions.

- Meets MUTCD specifications.
- NCHRP-350 compliant with a roll-up sign.
- Holds 36" and 48" roll-up and rigid signs.
- Powder coated, all steel construction.
- Compact storage, economical, and easy to use.



GT2 Economy Tripod Stand for Rigid & Roll-Up Signs\$44.25 each

COMPACT SIGN STAND

- NCHRP 350 compatible
- Complies with MUTCD standards
- Legs lock into position when fully extended
- All aluminum & steel construction
- Lightweight - perfect for low wind applications
- Displays 36" and 48" signs using ScrewLock™ attachment
- By eliminating a spring mechanism, this stand weighs 20% less than Dynaflex™ stands
- Fast and easy deployment with the kick release system
- Telescoping aluminum legs with two position height adjustment and anti-skid foot pads
- Leg extension length: 51" (1295 mm)
- Open footprint: 92" x 53" (2337 mm x 1346 mm)



5012NS.....\$119.95 each

POGO IN-GROUND STAND

The P100 sign stand is designed to push into the ground providing a solid, economical solution for displaying 36" and 48" roll-up signs. Constructed of heavy duty galvanized steel bar angle, the P100 features steel spring clips that holds the sign securely and has a cross piece at the bottom for pushing the stand into the ground by foot. MUTCD and NCHRP-350 Compliant (low speed).



P100.....\$29.95 each

UNIFLEX™ SIGN STAND

UniFlex™ is the perfect match for 36" and 48" roll-up signs. UniFlex™ features a heavy duty steel coil spring design providing superior stability in windy conditions. UniFlex™ stands display roll-up signs 12" off the ground and feature foot actuated kick releases with three locking positions for storage and stability on uneven terrain.



- MUTCD and NCHRP-350 compliant.
- UniFlex™ compact stands offer two methods of roll-up sign attachment: Screwlock for standard roll-up signs or Stablock™ for Fold & Roll™ signs.
- Single heavy duty steel spring provides stability in gusty winds.
- 16 gauge steel legs have an orange powdercoat finish.
- Leg length is 22" and telescopes to 38"

SUF2000W Spring Stand for Roll-Up Signs.....\$129.95 each

TWINFLEX™ SIGN STANDS

- NCHRP 350 compatibility
- Complies with MUTCD standards
- Wind-relieving, dual upright coil spring system - withstands heavy wind gusts
- Ease of use with fast kick release system, locking legs into place when fully extended.
- Displays 36" and 48" roll-up and rigid signs
- All aluminum and steel construction
- 1-1/4" sq. legs with two position height adjustment and anti-skid foot pads
- Open footprint: 36" x 84"



STF18-RG/RU 18", Steel Legs for Roll-Up & Rigid Signs \$199.95 each
TF18-RG/RU 18", Alum. Legs for Roll-Up & Rigid Signs \$199.95 each
TF84-RUB 7", Alum. Legs, for Roll-Up Signs \$260.00 each
RGB4000 Rigid Sign Adapter Bracket..... \$19.50 each

THE STACKER SIGN STAND

The DSB100 Stacker™ sign stand displays both 36" and 48" roll-up signs. Made of rubber from recycled tires, the Stacker™ features a small foot print, compact storage, and several different models from which to choose.









- Meets MUTCD specifications, NCHRP-350 compliant.
- Low profile rubber base design is ideal for limited storage or display areas.
- Two molded handles allows for easy transport.
- Pocket style sign holder for standard roll-up signs

DSB100 Sign Stand for Roll-Up Signs..... \$96.95 each

ADA SIGNS

- Comply with the Americans With Disabilities Act
- Signs include tactile characters and Grade 2 Braille
- Signs are plastic – white on brown or white on blue
- Durable and self-mounting.

6" X 9" Signs\$10.95 each each

					
20501 Brown	20502 Brown	20503 Brown	20504 Brown	20505 Brown	20532 Brown
20517 Blue	20518 Blue	20519 Blue	20520 Blue	20521 Blue	20529 Blue
20547 Taupe	20565 Blk/Wht	20549 Taupe	20564 Blk/Wht	20555 Taupe	20562 Taupe
20569 Blk/Wht		20567 Blk/Wht		20568 Blk/Wht	

6" X 6" Sign



20511
Brown
20527
Blue

			
20506 Brown	20507 Brown	20508 Brown	20512 Brown
20522 Blue	20523 Blue	20524 Blue	20528 Blue

EXIT SIGN – 6" X 9"

- EXIT-BLACK-ADA White on Black\$16.95 each
- EXIT-BLUE-ADA White on Blue\$16.95 each
- EXIT-TAUPE-ADA Taupe on Black\$16.95 each



IN CASE OF FIRE – USE STAIRS – 6" X 9"

- STAIRS-BLACK-ADA White on Black\$16.95 each
- STAIRS-BLUE-ADA White on Blue\$16.95 each




GLOW IN THE DARK EXIT SIGNS


- Clearly mark your exits
- Non-electrical signs glow in the dark – even in the event of a power failure.



Part Number	Size/Type	Legend	Price
GLO-EXIT	9" x 12" Semi-Rigid Vinyl, .050 thickness	"EXIT"	\$9.95
GLO-NAE	9" x 12" Semi-Rigid Vinyl, .050 thickness	"NOT AN EXIT"	\$9.95



We also provide Detectable Warning Systems in the Pavement Section on Page 194



PLACARDS, LABELS & TAGS

DOT TRUCK PLACARDING



PRESSURE SENSITIVE PLACARDS – \$2.95

Following Legends in Stock:

5416PV.....	Corrosive
VR4.....	Corrosive (Blank)
5436PV.....	Dangerous When Wet
VR2-1993.....	Diesel 1993
5420PV.....	Flammable Gas
VR8-1075.....	Flammable Gas 1075
5433PV.....	Flammable Liquid
1203-PS.....	Gasoline 1203
5441PV.....	Harmful Stowaway
PSR3.....	Non-Flammable Gas
VR8-1075.....	Oxygen 1073
PSR5.....	Poison
5424-PS.....	Poison Gas
5440-STY.....	Misc. Class 9 & V1590 Oxidizer 5.1
5416PV-BLANK.....	Corrosive (Blank w/numbers)
VR2-1230.....	Flammable 1230

“Blank” denotes placards with blank space to apply DOT 4-digit numbers for specific substances. Please specify numbers when ordering – additional charge for numbers.

RIGID VINYL – \$3.95 each

Following Legends in Stock:

RV-5429.....	Chlorine
VR9-1993.....	Diesel 1993
RV-1203.....	Gasoline 1203
RVP-HOT-92.....	Hot
RV2.....	Flammable
RVW8.....	Flammable Gas
5424-RV.....	Poison Gas
1993-COMBUSTIBLE.....	Combustible
VR9-1267.....	Flammable 1267
RVW9.....	Non-Flammable Gas

* Other Placards Available. Please call for more information.

PLACARD HOLDERS – ALUMINUM

VP-11-TPH 1-5.....	\$10.95 each
6+.....	\$9.95 each

FLIP PLACARD – ALUMINUM

Aluminum Flip system allows you to change to most common placards and all UN numbers. 6 Legends

693-TPF-N.....	\$64.95 each
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MAGNETIC PLACARDS

1993-MAG Diesel.....	\$17.95 each
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*All Others Available, Call for Details

HAZARD WARNING LABELS

NFPA panels for hazardous material warnings. Use these long-lasting vinyl background panels and hazard number symbols to identify hazardous chemical containers, storage tanks, hoppers, pipelines, dedicated material storage areas and other potential hazards. Pressure-sensitive panels, numbers and symbols are based on NFPA Code 704M and federal Standard 313. Black vinyl hazard numbers are available in sizes to match hazard symbols and to fit each panel size.



Part #	Panel Size	Hazardous # Size	Price for Panel Only	Price w/ Numbers & Symbols
HWL-5	5" x 5"	2"	\$3.25	\$5.95
HWL-10	10" x 10"	4"	\$6.95	\$10.95
HWL-15	15" x 15"	6"	\$9.95	\$14.50

To order Hazardous numbers and symbols: Specify desired number (0, 1, 2, 3, 4) or symbol (ACID, ALK, COR, OXY, -W-, RAD).

HAZARDOUS COMMUNICATIONS LABELS

(HMIS) HAZARDOUS MATERIALS IDENTIFICATION LABELS



The Hazardous Materials Identification (HMIS) is a Right-to-Know compliance system. HMIS

Paper labels provide an immediate warning to the hazards of the chemicals in containers.

HWL-38-2-EA 2" x 2".....	\$0.55 each
HWL-38-4-EA 4" x 4".....	\$0.55 each
HWL-38-2-RL 2" x 2".....	\$29.95 /roll of 500
HWL-38-4-RL 4" x 4".....	\$29.95 /roll of 500

(NFPA) NATIONAL FIRE PROTECTION ASSOCIATION LABELS

The NFPA label is designed to give general information to fire fighting and emergency personnel. NFPA labels define the severity of health hazards, reactivity and the personal protection necessary in handling hazardous chemicals. A simple 0-4 rating is used to number the colored squares of the NFPA hazard rating system.



HWL-34-4-EA 4" x 4".....	\$0.55 each
HWL-34-RL 4" x 4".....	\$34.95 /roll of 250

ACCIDENT REPORT KIT

Ensures drivers are prepared and ready to respond appropriately if they are in an accident. Provides step-by-step instructions to ensure proper reporting procedures are followed and the accident scene is adequately documented. Includes a single-use 35mm Camera.



3744 Poly Bag.....	\$23.95 each
675R Vinyl Pouch.....	\$49.95 each

PLACARDS, LABELS & TAGS

HAZARDOUS & NON-HAZARDOUS WASTE LABELS

Federal regulations require the use of labels with offsite transportation of hazardous materials. These .004 mil pressure-sensitive vinyl labels comply with current EPA & DOT regulations. 6" x 6". Sold individually or by a roll of 500.



- HW-258 Hazardous Waste (Liquid)
- HW-259 Hazardous Waste (Solid)
- HW-266 Contains PCB's
- HW-260 Non-Hazardous Waste
- HW-255 Hazardous Waste (Blank)



- 1-23..... \$1.50 each
- 24+..... \$1.25 each

D.O.T. SHIPPING LABELS

Department of Transportation (D.O.T.) labels are printed on pressure-sensitive paper and meet HM-181 regulations. (Weather resistant vinyl labels are available upon request.)

Each label measures 4" x 4". Sold by each or by a roll of 500 – please specify EA or RL when ordering.

- Each \$.75 each
- Roll of 500 \$35.95/roll



FOLLOWING LEGENDS IN STOCK:

- DT-72 Corrosive
- L8-C9-1 Dangerous Goods
- L8-C2-2 Flammable Gas
- DT-60 Flammable Liquid
- L8-C2-3 Non-Flammable Gas
- L8-C4-2 Spontaneously Combustible

*Other Legends Available. Call for more information

SCAFFOLD TAGS

Part #	Legend	Color	Type	Pack	Price
R-SCAF	Incomplete – Scaffold Tag	Red	Tag Board	20	\$11.95
G-SCAF	Complete – Scaffold Tag	Green	Tag Board	20	\$11.95
Y-SCAF	Modified – Scaffold Tag	Yellow	Tag Board	20	\$11.95



Construction Safety Products has available a number of different styles and types of tags and labels. Please call with your custom orders.

SDS BINDER

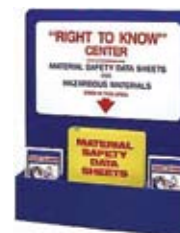
2.5" Binder for holding Material Safety Data Sheets.

- MSB-116.....\$14.95 each



RIGHT TO KNOW CENTERS

Includes one SDS Binder with (3) 4" deep pockets and 10 booklets on "Hazards in the workplace – your right to know". 36" Chain included



- RTKC-300 Aluminum w/Wire Basket \$68.95 each
- RTKC-110 24" x 36" High Impact Plastic..... \$98.25 each

FIRE EXTINGUISHER SIGNS

- Red on White.
- 4" x 20" —Available in .040 aluminum or self-adhesive vinyl

- 0625 Aluminum\$6.95 each
- 418FX Vinyl.....\$6.95 each



DECALS

DECALS - PRESSURE SENSITIVE VINYL

NO SMOKING - RED/WHITE



- 0412-NS 4" x 12"\$2.25 each
- 812NS 8" x 12"\$3.95 each
- "No Smoking-Prohibited"
- BL-174 5" x 8"\$3.50 each

GASOLINE - RED/WHITE



- 0210-G 2" x 10"\$2.50 each
- 0710 6" x 21"\$4.50 each

DIESEL - RED/WHITE



- 0409A 6" x 21"\$4.50 each
- 0210-D 2" x 10"\$1.95 each
- 0310-DF 3" x 10"\$2.75 each
- 0130-ORD Off-Road Diesel - 3" x 10"\$2.75 each
- 1007-DFO Diesel Fuel Only - 7" x 10"\$3.50 each

FIRE EXTINGUISHER INSIDE - RED/WHITE



- FX-602-V 4" x 4"\$1.95 each

DRINKING WATER - BLUE/WHITE



- 0305-DW 3" x 5"\$2.75 each

NON-POTABLE WATER - BLUE/WHITE



- 0305-NPW 3" x 5"\$2.75 each

FLAMMABLE - RED/WHITE



- 0210-F 2" x 10"\$1.95 each
- 0650 6" x 21"\$4.50 each

COMBUSTIBLE - RED/WHITE



- 0210-C 2" x 10"\$1.95 each
- 0401A 6" x 21"\$4.50 each

HYDRAULIC OIL - RED/WHITE



- 0130-HO 2.5" x 6"\$1.95 each

MOTOR OIL - RED/WHITE



- 0130-MO 2.5" x 6"\$1.95 each
- 0316-MO 3" x 16"\$4.25 each

WARNING STAY BACK - BLACK/YELLOW



- 1420-VW-SB 14" x 20"\$6.95 each

POTABLE WATER - BLUE/WHITE (For Water Coolers)



- 0305-PW 3" x 5"\$2.75 each

SALTWATER - BLACK/WHITE



- SALTWATER 4" x 22"\$2.95 each

DECALS & TAGS

FIRST AID KIT – GREEN/WHITE

- 1007-FAK 7" x 10" \$3.50 each
- FAKINSIDE 4" x 4" \$1.95 each



HARD HAT DECALS

Promote and encourage safety with these durable emblems.

- HD-580 "Work Think Safely" – 2" Diameter.....\$0.95 each
- HD-520 "First Aid" – 2" Diameter \$0.95 each
- HD-575 "Visitor" – 2" Diameter\$0.95 each
- HHII "Think Safety" – 2" Diameter..... \$0.75 each



TAGS

ACCIDENT PREVENTION TAGS

- TAG-40-EA Lockout Tag (w/grommets) \$1.55 each
- TAG-12-EA Do Not Operate Tag (hole punch, no grommet) \$1.35 each
- TAG-TRS243-CTP Out of Service Tag, Pack of 25..... \$18.95 each



**Many other tags available. Call for details.*

NEED CUSTOM DECALS OR TAGS FOR YOUR BUSINESS OR HOBBY?



318-688-7297

CALL US TODAY FOR A QUOTE!

MISCELLANEOUS TRAFFIC CONTROL

REFLECTORS

RAYOLITE® AA – ALL ACRYLIC -REFLECTIVE PAVEMENT MARKERS

The AA is a reflective pavement marker designed to offer maximum strength, high reflectivity and enhanced life cycle. A rib and fish hook design makes for maximum adherence between the shell and fill material. A protective brow protects the top area of the lens from deterioration. 4" x 4" x .068" high impact strength acrylic plastic. The internal prismatic faces are plated to provide retro reflectivity.



9702	2 Way Clear	Qty: 1-49	.....\$2.95 each
9704	Clear/Red		
9706	2 Way Amber	Qty: 50-99	.....\$2.69 each
9716	2 Way Red	Qty: 100+	.....\$2.49 each
DB-AA	2 Way Blue		
DG-AA	2 Way Green	Qty: 250+	.....\$2.29 each

3003-PAD	Butyl Adhesive Pad	..... \$1.40 each
04-0192	Pavement Epoxy, 1/2 gallon	..... \$55.00 each

CHIP SEAL MARKERS

Flexible 2 Way Chip Seal Markers - TRPMs feature easy "stick and stomp". Comes with one clear plastic cover or cap which is designed to protect the marker and reflective sheeting from asphalts or slurry products. Pre-applied butyl pad for "stick and stomp" installation.



10172-100	Yellow	..... \$0.75 each
8007302110	White	..... \$0.75 each

REFLEX REFLECTORS

• Acrylic, plastic body reflector	0323-A	Amber	..... \$1.25 each
• 3/16" hole center mount	0325-C	Clear	..... \$1.25 each
• 3-1/4" Diameter	325-G	Green	..... \$1.25 each
	325-R	Red	..... \$1.25 each

BARRICADE TAPE (3" X 1000')

- 3" x 1000'
- 3 Mil Thickness



743-1001	Black/Yellow "Caution"	..... \$15.00 per roll
743-1002	Black/Yellow "Caution No Parking"	..... \$15.00 per roll
743-8545	Black/Yellow "Police Line Do Not Cross"	..... \$15.00 per roll
	8+	..... \$12.95 per roll
745-2320	Black/Red "Danger Do Not Enter"	..... \$15.00 per roll
745-1005	Black/Red "Danger"	..... \$15.00 per roll
745-8775	Black/Red "Danger Buried Electric Line Below"	..... \$15.00 per roll
	8+	..... \$12.95 per roll

- 3" x 500'
- 7 Mil Thickness

BR357Y13	Yellow/Black "Caution/Cuidado"	.....\$23.50 per roll
BR357R21	Red/Black "Danger"	.....\$23.50 per roll
BR357R174	Red/Black "Danger/Peligro"	.....\$23.50 per roll

WOVEN BARRICADE WEBBING TAPE

Woven non-adhesive, plastic tape provides high visibility for designating hazardous or restricted areas. The ability to tie, untie and reuse, combined with chemical and weather resistance, makes this tape ideal for construction sites, road repairs and implant applications.



777B	Yellow/Black	..... \$6.50 each
775R-B	Red/Black	..... \$6.50 each

WET FLOOR SIGNS

WET FLOOR SIGN.....\$12.95 each



FLAGMAN FLAGS

- Red cotton 18" x 24"
- 24" staff

1824-R\$5.50 each
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- Orange vinyl 18" x 18"
- 30" staff

1830A \$5.95 each
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- Orange mesh 18" x 18"
- 30" dowel

1830-M \$5.95 each
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- Orange mesh 24" x 24"
- 36" staff

SF24-36-TR \$7.95 each
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ALUMINUM STOP/SLOW PADDLES

- 18" Reflective aluminum paddle with aluminum handle
- Stop on one side, slow on the other.

1800A	Stop/Slow, alum. 18"	..... \$19.95 each
1800A-REF	Stop/Slow Reflective alum. 18"	..... \$27.95 each
1800A-P-72	Stop/Slow with 72" plastic handle	..... \$94.95 each



PLASTIC STOP/SLOW PADDLES

1800A-2424	Reflective 24" w/handle	..... \$44.95 each
18-Handle	18" Handle	..... \$6.25 each
60-Handle	60" Handle	..... \$19.95 each

CLASS E SURVEYOR PANTS

- High visibility lime green
- 100% Polyester mesh bottom
- 100% Polyester solid top
- 2" Silver tape reflective material with two tone contrasting trim
- 2 Upper slash through pockets
- 2 back pockets
- Full length zipper on both legs
- Specify size when ordering (Available in Medium-6X)



SP61-EPGS-SZ \$21.95 pair

CLASS II T-SHIRT

- High visibility orange or lime green
- 100% moisture-wicking polyester mesh material
- 2" Heat transfer reflective tape with horizontal stripe
- 1 Upper left front pocket
- Specify size when ordering (Available in Medium-5X)



ST11-2PGS-SZ Lime Green \$15.95 each

ST11-2POS-SZ Hi-Viz Orange \$15.95 each

CLASS III T-SHIRT

- High visibility lime green
- Durable 2" heat transfer reflective tape with horizontal stripe
- 1 Upper left front pocket
- 100% Polyester moisture-wicking birds-eye mesh
- 25 wash max
- Third party certified
- Specify size when ordering (Available in Medium-5X)



ST21-3PGS-SZ \$15.50 each

CLASS II VEST (LIME GREEN)

- High visibility lime green
- 100% Polyester mesh material
- Zipper closure
- 2" silver tape reflective material with horizontal stripe.
- Contrasting trim detail
- Pockets: 1 Upper Left Front, 1 Lower Right Inside
- Specify size when ordering (Available in Medium-5X)



SV22-2ZGM-SZ \$15.95 each

CLASS II FR SAFETY VEST

- Fire retardant
- Zipper closure
- 2" silver tape reflective material
- 1 horizontal stripe
- Pockets: 1 Upper Left Front, 1 Lower Right Inside
- Material: 100% Polyester Mesh NFPA 701 (2004) Treated Fabric
- Available in hi-viz orange and green
- 3rd Party Certified – Meets ANSI/ISEA 107-2010 Standards
- Specify size when ordering (Available in Medium-5X)



SV25-2ZGM-SZ Hi-Viz Green \$15.95 each

SV25-2ZOM-SZ Hi-Viz Orange \$15.95 each

CLASS II HEAVY DUTY SURVEYOR VEST

- High visibility lime green
- 100% Polyester mesh & 100% polyester solid twill (pockets)
- Woven fabric bias tape & heavy black webbing reinforcement
- Pockets: Front: large radio/cell phone, split pencil/tablet, 2 EA full with flap cover. Inside: 2 EA lower full width, flap covered chest. Back: plan pocket (across the entire back)
- Silver 2" class 2 glass bead reflective tape
- Heavy metal chrome snap closures
- Grommets at neck for tool keepers/lanyards
- Specify size when ordering (Available in Medium-5X)



SV59-2ZGD-SZ Hi-Viz Green \$29.50 each

SV59-2ZOD-SZ Hi-Viz Orange \$29.50 each

CLASS II SURVEYOR VEST

- High visibility lime green
- 100% Polyester solid knit front and solid back
- Zipper closure:
- 2" Silver tape reflective material
- 1 horizontal stripe
- Contrasting trim detail
- Mic tab on both shoulders
- Pockets: Upper split pad/pencil, upper radio/phone, 2 each lower flap covered, 2 large deep open inside, 1 inside flashlight
- Specify size when ordering (Available in Medium-5X)



SV62-2ZGT-SZ \$17.50 each

CLASS III SURVEYOR VEST

- High visibility lime green
- 100% Polyester solid knit front and mesh back
- Zipper closure
- 2" Silver tape reflective material. 1 horizontal stripe
- Contrasting trim detail
- Mic tab on both shoulders
- Pockets: Upper split pad/pencil, upper radio/phone, 2 each lower flap covered, 2 large deep open inside, 1 inside flashlight
- Specify size when ordering (Available in Medium-5X)



SV63G-SZ \$24.50 each

CLASS III VEST

- High visibility lime green
- 100% Polyester solid knit front and mesh back
- Zipper closure
- 2" Silver tape reflective material. 1 horizontal stripe
- Contrasting trim detail
- Mic tab on both shoulders
- Pockets: 2 each upper outside, 2 each lower inside, 2 each upper inside
- Specify size when ordering (Available in Medium-5X)



SV83GM-M \$19.95 each

SAFETY VESTS/CLOTHING

GENERAL PURPOSE VEST

- Poly Mesh Material
- Adjustable Closure
- Elastic Side Straps
- 18" x 47"
- No Striping



1010B	Hi-Viz Orange	\$4.50 each
1030A	Hi-Viz Green	\$4.50 each

GENERAL PURPOSE VEST- WITH STRIPES

- Poly Mesh Material
- 3/4 Inch Lime Reflective Stripes
- 18" x 47"



1020-Y	One Size (Orange)	\$7.50 each
V200R	One Size (Lime Green)	\$7.50 each

CLASS II VEST (ORANGE)

- High visibility orange
- 100% polyester with open weave mesh
- Zipper front closure
- Pockets: 2 pen/tool pockets, 2 flap pockets, 2 inside front pockets
- 4" wide tape with 2" wide reflective stripes
- Specify size when ordering (Available in Medium-5X)



M7038C-2-SZ	Hi-Viz Orange	\$16.95 each
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CLASS II FR BREAKAWAY VEST

- Mesh Tear Away
- 2" Silver 3M® Scotchlite® Reflective Material
- Hook and Loop Front Closure
- Limited Flammability
- Specify size when ordering (Available in Medium-4X)



CL2MLPFR-SZ	Hi-Viz Green	\$21.95 each
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CLASS II ECONOMY MESH VEST

- Closure: Hook & loop.
- 2" silver tape reflective material. 1 horizontal stripe.
- Materials: 100% polyester knit, 100% polyester mesh.
- Pockets: 1 upper chest and 1 lower inside
- Available in hi-viz orange and green.
- 3rd Party Certified – Meets ANSI/ISEA 107-2010 Standards.
- Sizes: M, L, XL, 2X, 3X, 4X, 5X



SV2ZOM-SZ	Hi-Viz Orange	\$9.50 each
SV2ZGM-SZ	Hi-Viz Green	\$9.50 each

CLASS II ECONOMY BREAKAWAY MESH VEST

- Closure: Hook & Loop.
- 2" Silver Tape Reflective Material. 1 horizontal stripe. 2 front vertical stripes. Rear x-back.
- 5 Point Breakaway – Shoulders, Sides and Front closure.
- Materials: 100% Polyester Mesh.
- Pockets: 1 Chest pocket, 1 lower front pocket.
- Colors: Hi-Viz Green & Orange.
- Meets ANSI/ISEA 107-2010 Standards.
- Sizes: M, L, XL, 2X, 3X, 4X, 5X



SV4GM-SZ	Hi-Viz Green	\$13.25 each
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CLASS III HOODED SWEATSHIRT

- Black elastic knit waistband and cuffs.
- Polyester fleece material.
- 2" silver reflective tape.
- Full front zipper closure or Pullover.
- Two lower pouch pockets.
- Mesh lined hood with adjustable pull cords.
- Fleece weight, 7.25 oz/y2
- 3rd Party Certified – Meets ANSI/ISEA 107-2010 Standards.
- Sizes: M, L, XL, 2X, 3X, 4X, 5X



SJ01



SJ02

SJ01-3-SZ	Hi-Viz Green w/Zipper	\$44.99 each
SJ02-3-SZ	Hi-Viz Green Pullover	\$39.95 each

LUMINATOR™ LIGHTWEIGHT CLASS III JACKET

Made with fluorescent lime Polyester/ Polyurethane material that is .16mm in thickness. Jacket features silver reflective stripes over each shoulder that connect to a horizontal stripe on the bottom of the jacket. Silver reflective stripes are also featured around each sleeve. Other features include a snap front, take up snaps at the wrists and attached drawstring hood. Pants feature silver reflective stripes around each leg. Other features include elastic waist, snap fly front, and take up snaps on the ankles. Both meet ANSI/ISEA 107-2010 Class 3 High- Visibility standards. Lightweight, durable and comfortable. Sizes Small-4X.



500RJH

500RPW

500RJH-SZ	Jacket, Sm-XL	\$48.00 each
	Jacket, 2X	\$49.95 each
	Jacket, 3X	\$52.75 each
	Jacket, 4X	\$54.95 each
500RPW-SZ	Pants, Sm-XL	\$31.50 each
	Pants, 2X	\$32.95 each
	Pants, 3X	\$34.50 each
	Pants, 4X	\$36.00 each

CLASS III WEATHER-PROOF, QUILTED BOMBER JACKET

- Quilted Liner
- 2" Silver Reflective Tape
- PU Coated Weather Proof 300D Oxford Polyester Shell
- Concealed Attached Hood
- Elastic Waistband & Cuffs
- Zippered, Lined Slash Pockets
- 3D Flap Covered Cell Phone / Radio Chest Pocket
- One Inside Open Chest Pocket
- Mic Tabs on Both Shoulders
- Sizes: M, L, XL, 2X, 3X, 4X, 5X



SJ11-3ZOS-SZ	Hi-Viz Orange	\$50.95 each
SJ11Q-3ZGN-SZ	Hi-Viz Green	\$50.95 each
SJ12-3ZMS-SZ	Multi-Colored	\$72.50 each

BARRICADES

TYPE I BARRICADE

Type I barricade with 8" x 24" reflective top panel. (light not included) Rugged structural design resists breaking.

1-100.....\$42.95 each



TYPE II BARRICADE

Two 8" x 24" panels. Rugged structural design resists breaking.

1-200..... \$47.95 each



Replacement A-Frame Leg

2" x 8" Board Opening.

SAW-LEG White.....\$18.00 each

8' Panel. Eng grade double sided sheeting

SAW-8 \$82.00 each



TYPE III BARRICADE

Type III barricades are light weight, easy to use and durable. The entire upright assembly weighs only 22 lbs. They comply with Federal Report # NCHRP 350. The plastic panels are sheeted with Hi-Intensity reflective sheeting and the feet are made of square steel tubing.



3-300 Type III Barricade.....\$299.95 each

PANEL-8 Replacement Panel.....\$58.95 each

3-300-FOOT Square Tubing Foot.....\$55.00 each

TRAFFIC DRUMS

- Tire Locking Ring™ - Texturized Locking Ring™ grips tire, giving you security on the job (sold separately)
- Comfort grip handle for secure, easy pick-up
- Innovative "light ledge" keeps light upright
- Accepts tire ring and many rubber bases
- Five tier design to maximize reflective sheeting
- NCHRP-350 Accepted, Meets MUTCD Standards
- Thick walls make this drum rugged and durable
- Stack more! At 36.77" H you can stack at least 10% more drums in the same space - making you more productive



DRUM-ECONOCADE \$74.95 each

DRUM-TIRE-RING \$5.95 each

SAFETY BARRIER

- 42" X 72" X 24"
- Hi-Viz orange
- UV-resistant polyethylene
- Fill with water or sand.
- Rental Available @ \$50 per day. Call to schedule



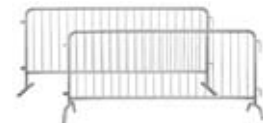
4206-100\$425.00 each

CROWDSTOPPER STEEL BARRICADES

- Hot-dipped galvanized crowd control barricades for outdoor use – will not rust or rot. Lasts up to 4x longer than painted steel.
- Interchangeable base/foot for easy storage and repairs
- Interlocking barricade fencing for perimeter security
- Choice of 2 foot systems
- High gauge tubing for greater durability
- Weight: 43 lbs

GS-01 Bridge Foot, 8' x 43" \$109.95 each

GS-02 Flat Steel Foot, 8' x 43" \$112.95 each



BARRICADE LIGHTS

TYPE A LIGHT

3-Way Yellow Housing, uses 4-D Batteries

2006A Amber.....\$29.95 each

2006R Red.....\$29.95 each



TYPE A LIGHT

Amber Lens, Yellow Housing, 12v

4011 \$19.95 each

TYPE A, FLASHING

Amber Lens, Green Housing, 12v

4511.....\$19.95 each

TYPE B LIGHT, YELLOW

- Amber Lens
- 4-D Batteries

BL-05A.....\$75.95 each

TYPE C W/ PHOTO CELL

6v Steady Burn Light

400CPC\$19.95 each

REPLACEMENT BULB

1408..... \$.99 each

6V BATTERY FOR BARRICADE LIGHTS

HD-6V\$2.25 each

FYI: TYPE A = Nighttime Only Flasher
 TYPE B= All Day & Night Flasher
 TYPE C= Steady on - Night-time only

SOLAR BARRICADE LIGHTS



A/C Barricade Light

- 3-Way Operation: Steady On, Flashing or Off
- Advanced Circuitry, Case, Lens and LED
- Length of Operation: 3 to 5 years
- Battery: LiFeP04
- Lens Color: Amber

SBACYA.....\$51.95 each

360° BARRICADE LIGHT

- 360 Degree Visibility
- 3-Way Operation: Steady On, Flashing or Off
- Advanced Circuitry and LED
- Length of Operation: 3 to 5 years
- Battery: LiFeP04



SB36OYR Red..... \$56.95 each

SB36OYA Amber..... \$56.95 each

SB36OYB Blue..... \$56.95 each

TRAFFIC CONES

CHANNELIZER CONE

- Slim design is perfect for narrow highways and street projects where space is an issue
- Very durable, designed to rebound after impact
- Unique handle is easy to grab even with flashing light or sign attached
- Stackable with or without base for easy transportation or storage
- Molded-in holes for mounting lights and signs
- Recycled rubber bases in two sizes, 16 lbs. and 30 lbs.
- NCHRP-350 Accepted, Meets MUTCD Standard



CONE-CHANNELIZER	Stackable Channelizer Cone	\$28.95 each
CONE-BASE-16	16 lb. Channelizer Base.....	\$16.95 each
CONE-BASE	30 lb. Channelizer Base.....	\$21.95 each

WATCHTOWER™ DELINEATORS

- Strong handle has ergonomic grip
- Dome cap provides strength and durability
- 42" (47.6" with handle), 1.7 lbs.
- 2 Reflective Stripes
- Bright orange for visibility
- Flange on bottom grabs base for tight fit
- NCHRP-350/MASH Accepted, Meets MUTCD Standards



CONE-WATCHTOWER	Delineator w/o base	\$15.95 each
CONE-WATCHTOWER-BASE12LB	12lb Recycled Rubber Base.....	\$15.95 each

FLEXSTAKE GROUND MOUNT DELINEATOR, UNHINGED

FlexStake Utility Marker (UM) is an economically priced, moderate impact, off-road sign post or marker that was developed to mark underground pipelines, cables, or other buried devices. Patented convex faces are wide enough (three inches) to carry identifying signs readable at up to 100 feet. This unHINGED marker withstood over 75 automotive hits at 35mph. Anchors 1-1/2 feet in ground. Reflective Sheeting. Overall length 62". Other colors available.



304Y	48", Yellow	\$19.95 each
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FLEXSTAKE SURFACE MOUNT DELINEATOR WITH BASE

Virtually indestructible FlexStake HD surface mounted SM's are still standing after 8 years of hard road use. SM's are easy to assemble and quick to install. They can be mounted to concrete, asphalt, wood and other hard surfaces using lag bolts, butyl rubber, epoxy and even nails. Federally approved reflective sheeting. Can withstand 340 hits at 35 mph, 75 hits at 55 mph. White 3" Sheeting, 1 Band



7530-C208W	Orange	\$32.95 each
753Y-C208W	Yellow	\$32.95 each

STANDARD TRAFFIC CONES

Wide body design with plastic base. Made of dayglow red/orange PVC.

0006B	6" (Mini Cone)	\$3.95 each
0012A	12" Cone (1.5 lbs.)	\$6.05 each
0018B	18" Cone (3 lbs.)	\$7.50 each
	12+	\$6.50 each
	25+	\$6.25 each
	100+	\$5.95 each
0028-L	28" Cone (7 lbs.) (Lime Green)	\$16.50 each
0028	28" Cone (10 lbs.)	\$17.50 each



28" TRAFFIC CONE WITH REFLECTIVE COLLAR

Wide body design with orange base. Includes 6" and 4" reflective collars. Meets MUTCD standards for nighttime visibility.



RS45015C3M6	18" Cone (3.52 lbs.) Orange	\$12.95 each
RS450115C-L3M6	28" Cone (3.52 lbs.) Lime Green	\$13.95 each
0028-1005	28" Cone (7 lbs.) Orange	\$19.50 each
0036-1005	36" Cone (12lbs.) Orange	\$25.00 each

28" TRIMLINE TRAFFIC CONES

Slim line body design to enhance wind resistance. Weighs 10 lbs. Dayglow red/orange PVC.

28PVCTLH	Trimline Cone	\$15.65 each
	12+	\$13.95 each
28PVCTLH-64	Trimline w/ Reflective Collars	\$21.95 each
	12+	\$19.50 each



TRAFFIC CONE HOLDER

- Holds approximately (10) 18" or (5) 28" cones.
- Mounts on vehicle.

0116976	\$20.95 each
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RETRACTABLE CONE BAR

Designed for use with our PVC Traffic Cones and Knob-Top Delineators, the Retractable Cone Bar is extremely versatile for road trench or utility works use, construction sites, parking lots, pedestrian areas and more. Extremely portable and lightweight at only 1.35 lbs., the Retractable Cone Bar is easily carried or transported in a trunk or truck bed, and it's easy to set up. Just drop the Cone-Bar ring onto the top of the cones or delineators to setup an inexpensive barrier around hazardous or controlled areas.

- Adjustable 4' - 7'
- Tubular

CONE BAR	Yellow/Black.....	\$22.95 each
CONE BAR RW	Red/White.....	\$22.95 each



CARSONITE COMPOSITES

Construction Safety Products is a full line dealer of fine Carsonite products. Carsonite manufactures products that include: Drivable Flexible Delineators, Federal Recreational Signing, Decals, Signs, Traffic Control and Parking Products. Please call for more information.

DECALS

Carsonite decals are manufactured from quality UV resistant materials. Available in reflective and non-reflective materials in a variety of high visibility colors.

BOUNDARY MARKERS

An all-purpose, economical post for the rural route, right-of-way, culvert, fire hydrant, pedestal and boundary marking. The Carsonite Boundary Marker is a heavy-duty utility post which installs easily. Its rigid design makes the Boundary Marker most suited for non-impact areas. Simply apply letters, numbers, decals or sheeting to one side of the post for easy identification. Available in 60", 66" and 72" lengths. Your choice of colors: White, Yellow or Orange.

CBM2060-02	60" Boundary Marker, Yellow – No Decal.....	\$17.95 each
CBM2072-02	72" Boundary Marker, Yellow – No Decal.....	\$17.95 each
CBM7072-03	72" Boundary Marker, Blue – No Decal	\$17.95 each
CBM2072-04	72" Boundary Marker, Orange – LADOT-3535 Decal	\$17.95 each
CFR4072-01REF	72" Curve Flex Marker, White -- w/ 4" Wide Reflective Decal (White).....	\$23.95 each
CFR4072-02	72" Curve Flex Marker, Yellow – No Decal.....	\$23.95 each



***Post Drivers Available for Carsonite Posts.**

ROADMARKER®

For use on straight-aways and general delineation, Carsonite's Roadmarker will withstand numerous vehicle impacts at various speeds and return to its original upright position. The unique "three-rail" design provides the optimum combination of flexibility and structural integrity for easy installation. The recessed surface protects from damage during vehicle impacts. Available in 60", 66", 72" and 78" lengths. Your choice of colors: White, Yellow, Brown, Orange, Red, Green or Blue.

CRM3072-01	72" Roadmarker/Utility, White – No Decal.....	\$21.95 each
CRM3072-02	72" Roadmarker/Utility, Yellow – No Decal.....	\$21.95 each
CRM3072-03	72" Roadmarker/Utility, Blue – No Decal	\$21.95 each



SURFACE MOUNT MARKER

Ideal for temporary applications or for permanent installation on hard surfaces. The simple pin lock makes installation and replacement a snap. 3.75" wide – available in lengths from 24" to 60" and in a variety of colors.

**Please Call For More Information*



OAKFIELD SOIL SAMPLERS

The Oakfield line of soil sampling equipment has been used by professionals for nearly 50 years. Oakfield has a record of providing quality products and customer service and is recognized as outstanding in the industry.

The product line includes implements suitable for use by government agencies, Universities, growers, gardeners, for pesticide residue sampling and many other investigations. The convenience of interchangeable parts and the ability to attach tubes and augers to power equipment makes Oakfield products the most complete and utilized products today.

OAKFIELD Soil Samplers, made of multi-plated steel to resist abrasive action of soil, are built for hard use under all kinds of conditions and in all types of soils. Each part is carefully machined and constructed to be completely adaptable in any combination of units.

THE COMPLETE PROFESSIONAL KIT - MODEL Z

The professional, deluxe soil sampler kit with all parts being interchangeable.

- 1 - #120 brace
- 1 - 12" handle
- 3 - 12" extension rods
- 1 - 12" carbide tipped auger
- 1 - 15" tube
- 1 - S-1 tip
- 1 - S-2 tip
- 1 - S-3 tip
- 1 - S-4 tip
- 1 - #10 tip wrench
- 2 - flat wrenches
- 1 - #105 footjack
- 1 - #112 cleaning brush
- 1 - SS-52 collar
- 1 - SS-98 washer
- 1 - carrying case



MODEL Z\$975.29 each

MODEL A - 36" AUGER TUBE KIT

- 1 - 12" Handle
- 2 - 12" Extension rods
- 1 - 12" Auger
- 1 - 12" Tube with replaceable screw-on tip
- 1 - 13" Heavy fiberboard case



MODEL A\$396.74 each

MODEL H - 1 1/2 FOOT TUBE KIT

- 1 - 8" Handle
- 1 - 18" Tube with replaceable screw-on tip
- 1 - 19" Heavy fiberboard case



MODEL H \$92.72 each

MODEL B - 3 FOOT TUBE KIT

- 1 - 12" Handle
- 2 - 12" Extension rods
- 1 - 12" Tube with replaceable screw-on tip
- 1 - 13" Heavy fiberboard case



MODEL B \$153.67 each

MODEL DB KITS

39" Tube Kit with 3 tips contains:

- 1 - 12" Handle
- 2 - 12" Extension rods
- 1 - 15" Tube
- 1 ea. S-1, S-2 and S-3 tip
- 1 - #10 Tip wrench
- 1 - 17" Heavy fiberboard case



MODEL DB3 - 39" Tube Kit with 3 Tips\$188.48 each

MODEL C - 3 FOOT AUGER TUBE KIT

- 1 - 12" Handle
- 2 - 12" Extension rods
- 1 - 12" Auger
- 1 - 13" Heavy fiberboard case



MODEL C \$341.88 each

MODEL S - 3 1/2 FOOT AUGER TUBE KIT

- 1 - 12" Handle
- 1 - 30" Extension rod
- 1 - 12" Auger



MODEL S \$307.76 each

(Note: Augers included with models A, C and S are 1 1/4" in diameter. They have a double twist with a 2-1/2" pitch. Auger section is 8-1/2" long with a 4" shank.)



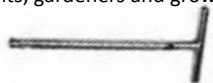
Shop Online At

www.archaeologycsp.com

OAKFIELD SOIL SAMPLERS

MODEL HA

The Model HA features a 19" probe with a S-2 screw-on tip for sampling different soil types. This one-piece soil sampler is designed for use by professional landscapers, nurserymen, golf course superintendents, gardeners and growers.



MODEL HA..... \$56.50 each

MODEL L

The Model L is a 36" one-piece welded unit with a replaceable S-2 screw-on tip.



MODEL L..... \$103.15 each

MODEL SCP - SOIL COMPACTION PROBE

Soil Compaction Probe is specially designed for determining compaction or hard pan layers. This unit has graduated depth markings at 6", 9", 12", etc.



MODEL SCP.....\$89.95 each

MODEL LS

The Model LS includes a 36" one-piece welded unit with a replaceable S-2 screw-on tip and a footstep.



MODEL LS..... \$115.85 each



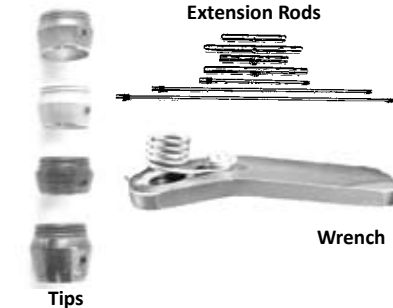
SOIL TUBES WITH S-2 TIP

OS102	12" Tube – samples are 8" L x 13/16" diameter	\$69.25 each
OS115	15" Tube – samples are 12" L x 13/16" diameter.....	\$73.25 each
OS103	18" Tube – samples are 15" L x 13/16" diameter.....	\$75.25 each
OS815	Heavy Duty 15" Soil Tube with screw-on tip - 12" core.....	\$87.25 each



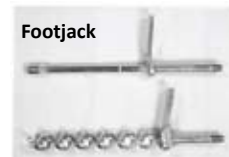
TIPS, HANDLES & EXTENSION RODS

S-1	3/4" opening – for dry soils	\$9.40 each
5+	.....	\$9.25 each
S-2	3/4" opening – for average soils	\$9.40 each
5+	.....	\$9.25 each
S-3	3/4" opening – for wet soils.....	\$9.40 each
5+	.....	\$9.25 each
S-4	3/4" opening – for rocky soils	\$9.40 each
5+	.....	\$9.25 each



ACCESSORIES

OS105	FootJack- gives you foot power - for 18" & 30" extension rods	\$31.00 each
OS110	Cleaning Brush – for auger and tube samplers - 22"	\$26.95 each
OS120	Brace.....	\$117.85 each



AMS SOIL SAMPLING EQUIPMENT

AMS REGULAR SOIL AUGER BUCKET



Designed for use in most soil types. The AMS regular soil auger is commonly used for obtaining disturbed soil samples at or near the surface and for boring to depths where soil samples may be obtained with a separate soil sampler or soil core sampler. The bits of the regular soil auger are open to allow entry of small soil clumps and relatively small rocks and particles. Thread-on style – made of carbon/stainless steel.

- 400.08 4" Regular Auger – 5/8" Thread \$162.50 each
- 400.07 3-1/4" Regular Auger – 5/8" Thread \$157.80 each
- 400.06 2-3/4" Regular Auger – 5/8" Thread \$142.70 each
- 400.05 2-1/4" Regular Auger – 5/8" Thread \$157.80 each
- * Other sizes available – call for more information.

AMS SAND AUGERS



Designed for use in sands and dry soils. The AMS sand auger uses a closed bit design with a restricted opening to prevent the loss of sampled material during retrieval. The sand auger has a cylinder similar to the regular soil auger, but the inner edges of the sand auger bits touch at their mid point to make the sand auger a much more reliable auger in loose, unconsolidated soil conditions.

- 400.42 2-1/4" Sand Auger – 5/8" Thread..... \$177.60 each
- 400.41 2-3/4" Sand Auger – 5/8" Thread..... \$176.50 each
- 400.40 3-1/4" Sand Auger – 5/8" Thread..... \$173.00 each
- 400.39 4" Sand Auger – 5/8" Thread \$178.80 each

AMS MUD AUGERS



AMS Mud Augers utilize a laser-cut, open cylinder design for easy removal of heavy, wet, or clay soils. The AMS mud auger features two openings in the cylinder wall to facilitate emptying as well as wider spaced bits than the AMS regular soil auger to ease entry of sticky soils. Thread-on style – made of carbon/stainless steel.

- 400.20 2-1/4" Mud Auger – 5/8" Thread \$183.60 each
- 400.19 2-3/4" Mud Auger – 5/8" Thread \$180.20 each
- 400.18 3-1/4" Mud Auger – 5/8" Thread \$172.00 each
- 400.17 4" Mud Auger – 5/8" Thread \$205.40 each

AMS CHROME MOLYBDENUM THREAD-ON EXTENSION

The welded fittings by AMS craftsmen on all extensions offer maximum strength and torque resistance.



- 408.04 5/8" x 5' Threaded Extension..... \$64.60 each
- 408.03 5/8" x 4' Threaded Extension..... \$61.60 each
- 408.02 5/8" x 3' Threaded Extension..... \$57.10 each
- 408.01 5/8" x 2' Threaded Extension..... \$56.90 each

AMS CROSS HANDLES

AMS Cross Handles are connected to AMS extensions – which are then connected to AMS augers and other samplers. Made of chromoly and coated with textured rubber.



- 406.04 16" Rubber Coated Handle \$39.90 each
- 406.05 22" Rubber Coated Handle \$47.80 each
- 406.80 18" Ratcheting Handle..... \$47.80 each
- 406.81 16" Telescoping Handle \$39.70 each

AMS 5/8" THREADED SLIDE HAMMERS

A rubber coating makes it easy to grip, as well as significantly absorbing the impact shock. Pounds down for easy penetration, and then can be pounded up for tool extraction.



- 400.96 5/8" Compact Slide Hammer \$169.50 each
- 400.99 5/8" Regular Slide Hammer \$173.80 each

AMS REGULAR SOIL PROBES

AMS Regular Soil Probes feature a window slot in the cylinder of the probe for easy sample recovery. These probes are used without a liner and are available in two diameters and three lengths. All AMS probes are made of a sturdy design that prevents the probe from bending or twisting out of shape. Regular soil probes also include a removable, corrosion-resistant 10" cross-handle with comfortable grips. Nickel Plated.



- 401.02 7/8" x 21" Soil Probe \$50.20 each
- 401.01 7/8" x 33" Soil Probe \$62.40 each

AMS PROFESSIONAL SERIES SOIL SAMPLING KIT



AMS professional soil sampling kits are designed for professionals who want the strongest, most durable connection on all of their augers, extensions, cross handles, slide hammers, and split-core samplers. They are AMS's newest


and most impressive soil sampling kits to date. Each sampling kit comes with 3/4" threaded professional regular auger and mud auger (2-1/4" or 3-1/4"), as well as three 4 ft. extensions, 18 in. rubber-coated cross handle, 10 lb. slide hammer, split-core sampler (2" x 6" or 1-3/8" x 6"), plastic liner, two end caps, rock breaker kit, cleaning brush, universal slip wrench, and two adjustable crescent wrenches. All components fit into an included AMS deluxe carrying case with handles and wheels for added portability.

** Individual Components of this kit are also available. Please call for more information.*

- 402.23 2-1/4" Kit \$1,959.40 each
- 402.24 3-1/4" Kit \$1,942.80 each


AMS SOIL SAMPLING EQUIPMENT

AMS TILE PROBES

 Ideal for locating buried pipes, underground tanks or utility lines. AMS tile probes are available in two types of material: 1) high carbon stress relieved 3/8" steel rod or 2) 5/8" fiberglass. The steel tile probes are available as a one-piece or two-piece unit with a 10" comfortably gripped cross handle (2-piece cross handle is detachable), and an oversized ball tip for sensitivity and easy soil penetration. The 48" fiberglass tile probe features a built-in 9" fiberglass comfortably gripped cross handle and a 5/8" diameter pointed steel tip. The fiberglass shaft provides some protection from electric shock, should an electric cable be penetrated accidentally.

- 403.01 60" Tile Probe \$52.20 each
- 403.02 42" Tile Probe \$45.80 each
- 402.97 48" Fiberglass Tile Probe \$27.70 each
- 402.93 36" Two-Piece Tile Probe \$45.00 each

AMS EXTENDIBLE TILE PROBES

 Probe up to 20' with extensions! AMS extendible tile probes are made from high carbon stress relieved steel and are not plated. Designed for probing depths of 12' or more, they may also be used to prepare holes for insertion of small diameter soil or or gas vapor probes. At deeper depths, use an AMS slide hammer or compact slide hammer.

- 403.03 7/16" x 4' Extendible, Complete Tile Probe \$90.70 each
- 403.04 7/16" x 4' Tile Probe Extension \$62.70 each
- 402.90 7/16" Extendible Tile Probe Tip \$15.00 each

AMS 3-1/4" BASIC SOIL SAMPLING KIT



The 3-1/4" Basic Soil Sampling Kit includes a 3-1/4" regular, sand and mud auger (one of each), rubber coated cross handle, soil core sampler, slide hammer, three 4' extensions, plastic liner, plastic end caps, two

wrenches, and a cleaning brushes in a rugged, foam-padded hard-sided AMS deluxe carrying case with handles and wheels. All connection types in this kit are 5/8" threaded. Kit weighs 60 lbs

- 209.51 3-1/4" Basic Soil Sampling Kit \$1,393.80 each

AMS SOIL CORE SAMPLERS



AMS Soil Core Samplers allow you to collect relatively undisturbed soil core samples from the subsurface or from pre-augered boreholes. AMS soil core samplers collect relatively undisturbed soil core samples into liners that may be easily transferred to a lab for soil profiling or chemical analysis. The liner may also be extruded in the field for examination of the soil core sample. Soil core samples are available in carbon steel or stainless steel, and are sized by the outside diameter of the liner.

- Complete Soil Core Samplers Include: Slide hammer, core cup and cap, 2 plastic end caps, and plastic liner.

- 404.04 2" x 4" Sampler \$352.40 each
- 404.05 2" x 6" Sampler \$367.20 each
- 418.10-EA 2" Plastic End Cap \$.50 each
- 404.20 2" x 4" Plastic Liner \$2.30 each
- 404.21 2" x 6" Plastic Liner \$3.00 each

AMS SIGNATURE SERIES EQUIPMENT

The finely engineered design of the Signature Series Augers allows for less friction and easier augering. Designed to provide access to soil, soil-gas and ground water to collect disturbed samples in unconsolidated materials. The Signature Series offers a specially crafted auger design, including an advanced cutting bit with a more aggressive curve to allow for faster, deeper cuts as well as an extra long cylinder which holds more soil than the standard line of AMS augers. Each auger has high carbon steel bits with tungsten carbide hard surface edges, a stainless steel cylinder and carbon steel ball.



AMS SIGNATURE SERIES REGULAR AUGERS

- 350.05 4" Signature Series Regular Auger \$164.10 each
- 350.06 3-1/4" Signature Series Regular Auger \$148.10 each
- 350.07 2-3/4" Signature Series Regular Auger \$163.20 each
- 350.08 2-1/4" Signature Series Regular Auger \$169.20 each

AMS SIGNATURE SERIES MUD AUGERS

- 350.17 4" Signature Series Mud Auger \$211.20 each
- 350.18 3-1/4" Signature Series Mud Auger \$178.40 each
- 350.19 2-3/4" Signature Series Mud Auger \$187.80 each
- 350.20 2-1/4" Signature Series Mud Auger \$190.30 each

AMS SIGNATURE SERIES SAND AUGERS

- 350.39 4" Signature Series Sand Auger \$185.50 each
- 350.40 3-1/4" Signature Series Sand Auger \$180.50 each
- 350.41 2-3/4" Signature Series Sand Auger \$181.90 each
- 350.42 2-1/4" Signature Series Sand Auger \$184.20 each

AMS SIGNATURE SERIES EXTENSIONS



- 351.02 5/8" x 3' Threaded Extension \$74.70 each
- 351.03 5/8" x 4' Threaded Extension \$78.90 each
- 351.04 5/8" x 5' Threaded Extension \$81.50 each

AMS SIGNATURE HANDLES



- 351.54 18" Signature Rubber Coated Cross Handle \$44.10 each
- 351.56 18" Signature Ratcheting Cross Handle \$130.90 each

AMS SOIL SAMPLING EQUIPMENT

AMS SIGNATURE SERIES SPLIT SOIL CORE SAMPLER



The split soil core sampler has a vertically split cylinder. You can use the split soil core sampler without a liner to collect undisturbed soil cores for immediate field examination and testing. Or, it can be used with a liner for collection of undisturbed, sealed soil core samples that are suitable for EPA Level III or Level IV soil analysis.

Split soil core samplers include: Split soil core sampler cup set, split soil core sampler cap, plastic liner, 2 plastic end caps and universal slip wrench. Each set can be bought with a core tip, an auger tip, or both.

- 355.52 2" x 6" Sig. Split SCS with Both Tips\$733.10 each
- 355.62 2" x 12" Sig. Split SCS with Both Tips\$802.40 each

Soil core sampling equipment is used to collect virtually undisturbed soil core samples for soil profiling and environmental investigations. All of these quality soil core sampling tools allow the user to collect soil core samples into removable liners. Soil core samples may be collected at the surface or from a pre-augered borehole.

AMS SIGNATURE SERIES SLIDE HAMMER

A rubber coating makes it easy to grip, as well as significantly absorbing the impact shock. Pounds down for easy penetration, and then can be pounded up for tool extraction.



- 350.99 Signature Slide Hammer\$184.20 each
- 350.93 Signature Compact Slide Hammer\$271.40 each
- 350.96 Signature Heavy Duty Slide Hammer\$173.80 each

AMS SIGNATURE SERIES CORE SAMPLERS



AMS Signature Complete Soil Core Samplers includes:

- Slide Hammer
- Core cup and cap
- 2 plastic end caps
- Plastic liner

- 354.26 2" x 6" Signature SCS Complete\$381.90 each
- 354.16 2" X 6" SCS Cup and Cap Only\$255.90 each
- 354.15 1-1/2" x 6" SCS Cup and Cap Only\$288.00 each

SIGNATURE SERIES SOIL SAMPLING KITS

The AMS Soil Auger Kits are Complete and Compact.

SIGNATURES SERIES MINI SOIL SAMPLING KIT



The Kit includes: One regular and one mud auger, four 4' extensions and a cross handle, packed in a flexible poly-canvas case for easy carrying, transport and storage.

- 352.74 3-1/4" x 4' Signature Mini Kit\$724.10 each

AMS ENVIRONMENTAL SOIL SAMPLING KIT

All stainless steel for environmental sampling.



Used in soils with low levels of contaminants or where equipment will be cleaned using an acid bath technique. Contains the same components as the basic kit but in all stainless. Includes: Regular, sand and mud augers, cross

handle, split soil core sampler, slide hammer, three 4' extensions, plastic liner, plastic end caps, wrenches, and cleaning brush in a rugged, foam-padded hard-sided AMS deluxe carrying case with handles and wheels. Deluxe kit also includes: 25 plastic liners, 50 plastic end caps, 50 fluoropolymer swatches for enhanced core sealing and a #2 AMS stainless steel scoop.

- 209.55 3-1/4" Environmental Kit\$2,091.60 each
- 209.56 3-1/4" Deluxe Environmental Kit\$2,281.60 each

SIGNATURE SERIES BASIC SOIL SAMPLING KIT



Versatile and complete, this kit gives you the ability to auger in most materials up to 12' and then collect a soil core sample.

Includes: Regular, sand and mud auger, rubber coated cross handle, soil core sampler, slide hammer, three 4' extensions, plastic liner, plastic end caps, wrenches, and cleaning brushes in a rugged, foam-padded hard-sided AMS deluxe carrying case with handles and wheels.

- 352.51 3-1/4" Signature Basic Soil Sampling Kit\$1,534.30 each

AMS soil augers are commonly used for obtaining disturbed soil samples at or near the surface and for boring to depths where samples may be obtained with a soil sampler or soil core sampler.

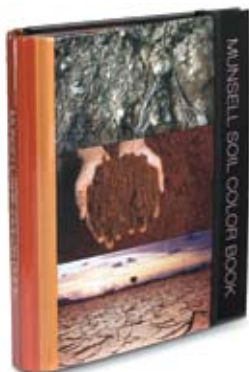
Perfect for augering shallow depths, AMS soil augers can also auger deeper depths and are generally limited by only the time and muscle of the user.

MUNSELL COLOR CHARTS

MUNSELL SOIL COLOR CHARTS

The 2009 revision of the Munsell Soil Color Charts includes all of the colors from the previous edition plus the following new pages:

- Munsell high value, low chroma 'White' Page, used for describing carbonate, silica, gypsum, and soluble salt precipitates and evaporites common to arid and semi-arid environments and very light-colored parent materials, such as diatomaceous earth and volcanic ash. The WhitePage shows half steps from 8.5 to 9.5 in value with chromas of 1 and 2 for N, 7.5 YR, 10YR, and 2.5Y.
- 10Y and 5GY Soil chart for glauconitic soils
- 5R soil chart for Australia and Southeast Asia
- 7.5R soil chart for tropical and semi-tropical soils



From input from customers, X-Rite has improved on the washable version of the Munsell Soil Color Charts through the use of new design and materials. Color chips are now flush with the paper of each page, eliminating the edges and extending the life of color chips because dirt and debris are easily wiped away. In addition, X-Rite has used water resistant materials to perform better in the field under damp or wet conditions.

Details:

Durable binder contains 440 Munsell Color Standards featuring:

- ISCC-NBS color names
- Munsell alpha-numeric notation
- Color produced on water resistant substrate

Features Munsell notations for each color providing:

- Value (degree of lightness)
- Hue (color)
- Chroma (degree of saturation)

Used with medium, fine-grained, and coarse-grained rocks

Pages are cleanable and can be exposed to standard environmental conditions in the field.

Dimensions: Binder Size 6" x 7.75" x 1", Page Size 4-3/8" x 7-1/4"

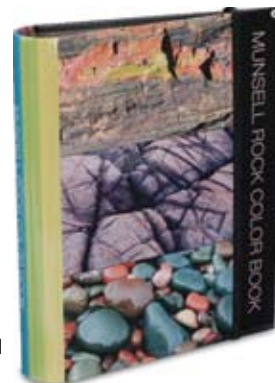
M50215B \$189.50 each

3+ \$179.25 each

MUNSELL GEOLOGICAL ROCK-COLOR CHARTS

The Rock Color Chart provides a durable, accurate method for classifying and judging rock samples.

Each book comes with over 115 Munsell Color Standards each with its correct ISCC-NBS color name and unique Munsell alpha-numeric notation. Easily and accurately communicate the exact color information of your rock samples by using the Munsell Color Standards contained in the Rock-Color Chart. This chart is primarily for field use and indicates the range of rock colors for all purposes and is accurate for wet or dry samples. Although the chart is mainly used to assign values to medium and finegrained rocks, it can also be used to describe coarse-grained rocks as well. The Munsell Rock-Color Chart is a revision of the previously published Geological Society of America (GSA) Rock-Color Chart.



Details:

Durable binder contains 115 Munsell Color Standards featuring:

- ISCC-NBS color names
- Munsell alpha-numeric notation
- Color produced on water resistant substrate

Features Munsell notations for each color providing:

- Value (degree of lightness)
- Hue (color)
- Chroma (degree of saturation)

Used with medium, fine-grained and coarse-grained rocks.

Pages are cleanable and can be exposed to standard environmental conditions in the field.

Dimensions: Binder Size: 6" x 7.75" x 1", Page Size: 4-3/8" x 7-1/4"

M50315B \$75.45 each



MUNSELL PLANT TISSUE COLOR CHART: A BOTANIST'S COLOR GUIDE

These 17 color charts are used to determine and record the color of plant tissues. This information is important to scientists working with growth rate, nutrient deficiencies, plant diseases, and other plant processes.

Features:

- 320 matte color chips mounted on charts
- Instructions and binder included

50150 \$183.50 each

SOIL TESTING EQUIPMENT

POCKET PENETROMETER

The pocket penetrometer provides accurate measurements of the compressive soil strength. This 6-1/4" unit is spring-operated, and it measures strength in tons/sq. ft. or kg/sq. cm by pushing a 1.4" diameter loading piston into soil to a depth of 0.25". The end area is 0.05". Compressive load is indicated by reading a scale on the piston barrel. A friction ring indicates maximum reading. Made of anodized aluminum. An Allen wrench and plastic carrying case with belt loop are included. A special 1"-diameter adapter foot is available as an option for use in very sensitive soils.



A pocket penetrometer is required by OSHA on all excavation jobs, and can help protect you from costly lawsuits and construction delays.

- E-280 \$54.95 each
- 3+ \$52.95 each
- E-280-AF 1" Adapter Foot..... \$19.50 each

DICKEY-JOHN SOIL COMPACTION TESTER

Maximize your yields and work to decrease your costs with the economical, easy-to-use Dickey-John Soil Compaction Tester. This easy-to-use tool quantifies soil compaction so you can develop a targeted plan for optimum yields and cost-effective production. To measure compaction in your fields, simply push the tester into the ground at various locations to determine problem areas and pressure increases or decreases. The Soil Compaction Tester gauge gives you readings of pressure required to penetrate your soil in pounds per inch.



- Easy-to-read, color-coded, stainless-steel dial
- Liquid-filled gauge that reduces shock
- Depth marks at 3, 6, 9, 12, 15, and 18 inches.
- Rugged, molded housing and handle

- 15585\$243.95 each
- 15585-1/2 1/2" Replacement Tip..... \$19.95 each
- 15585-3/4 3/4" Replacement Tip..... \$29.95 each

DELMHORST KS-D1 DIGITAL SOIL MOISTURE TESTER

The KS-D1 Digital Soil Moisture Tester, used with GB-1 Gypsum Sensor Blocks, make up a valuable system to monitor the soil moisture available to the plants. System eliminates guesswork, so that irrigation can be effectively scheduled, according to plants' requirements.



- Bright, clear digital display
- Moisture Range: 0.1 - 15 Bars Tension
- 0-100 reference scale
- Spring-loaded binding posts for the gypsum sensor blocks' leads
- Built-in calibration check
- Size: 2-3/4" x 4-3/4" x 1-3/4"
- Weight: 8 oz.
- Rugged construction ensures years of reliable use / 1-year warranty
- Sturdy plastic carrying case
- 9V battery

- KS-D1\$348.50 each
- Gypsum Block
- GB-1 \$11.00 each

KELWAY SOIL PH AND MOISTURE METER

Increase productivity by controlling soil acidity with a Kelway direct reading soil tester.



- Tests soil in 3 minutes
- Saves you TIME and \$\$\$\$
- Add lime only when you need it
- Fertilize only when the soil can use it
- Get on the spot results without time lag
- No batteries or chemicals
- Reliable - Accurate - Portable
- Only 6.5" long - Weighs 8 oz.
- Complete with handy carrying case
- Added Feature - Moisture Test Circuit
- Press button and read % saturation of soil

- HB-2 \$123.50 each
- HB-2-FILM Replacement Film -12 Sheets/Pack..... \$10.95 each

KELWAY SOIL PHD pH TESTER FOR HOME & GARDEN

Kelway® Soil pHD measures soil acidity and can more than pay for itself the first time it is used. The instructions include guidance on how to adjust soil pH. To test soil acidity the tester is inserted 2 inches into moist soil, and in minutes - the pH is displayed on the meter. The Soil pHD creates its own power, really, infinitely tiny current between the tester's two different metal rings. No batteries needed - ever.



- SPH \$74.95 each
- KCP Conditioning Pads 24 Sheets/Pack..... \$10.95 each

KELWAY SST SOIL SALINITY TESTER

An easy to use instrument for measuring Salinity, the Kelway SST tells you the soluble salt content of your soil to let you control fertilizer output and content. Salinity means soluble salt content (total minerals which can dissolve in your soil). It can be measured easily, rapidly and at low cost by using the Kelway SST. This tester determines the electrical conductivity of the soil and provides a direct readout plus a chart which tells you what your soil condition is.



The Kelway SST comes complete with everything you need for making fast, effective salinity tests. Includes built-in electrode (cell), test jar (premarked to help you make a soil in water solution easily), battery, thermometer and useful field carrying case. Complete and easy to follow instructions are provided.

Compact size - 5" x 3" x 2"

- SST\$189.95 each
- SST 2+..... \$179.95 each

OHAUS HAND-HELD PORTABLE ELECTRONIC SCALES

Convenient, compact and portable weighing capability in the palm of your hand! These little scales with sleek styling and convenient size are ideal to take anywhere—throw it in a brief case or drop it in a backpack.

- Unique hand-held design
- Energy-saving auto shut-off feature
- Protective snap on cover for storage and transport
- Large high contrast display
- Backlit display on HH120 and HH320 models
- Rugged plastic construction
- Low battery indicator
- Overload and underload indicators
- 2 AAA batteries
- Rugged plastic construction
- Protective snap-on cover
- Easy Calibration



Model Number	HH120D	HH320
Capacity x Readability (g)	0-60 x 0.1 60-120 x 0.2	320 x 0.1
Linearity (g)	0 - 60g: ±0.1 60 - 120g: ±0.2	±0.2
Weighing units	g	g, oz, dwt, oz t

Zero range	To capacity by subtraction
Calibration	User calibration
Stabilization time	3 seconds
Maximum overload	150% of capacity
Auto shut-off	5 minutes no activity
Optimum operating temperature	64°-77°F/18°-25°C
Display (in/mm)	LCD (0.4/11)
Weigh pan size L x W (in/cm)	3.25 x 3.0/8.3 x 7.6
Power requirements	2-AAA alkaline batteries (included)
Dimensions L x W x H (in/cm)	5.35 x 3.25 x 0.8/13.6 x 8.3 x 2.0
Net Weight (lb/kg)	.34/.16

Item Number	HH120D	HH320
Price	\$106.25	\$156.75

OHAUS METRIC WEIGHT SETS

Stainless Steel, Class 6 Weights. Comes in a hinged box.

Item Number	Description	Price
80850111	50g x 10mg set, includes 16 weights	\$142.00
80850115	1000g x 1g set, includes 13 weights	\$369.00

OHAUS BALANCES

OHAUS POCKET SCALE

The combination pan & cover slides back for weighing and forward to cover the display and keys for storage or transport. Simple, quick operation with fast stabilization time. With the PS there is no reason to settle for other brands when you can have an Ohaus. Smaller size than most pocket scales allows a comfortable fit in your pocket, purse or briefcase. Piano style mechanical buttons provide positive dependable operation.

- Stability indicator
- Overload and underload indicators
- Low battery indicator
- Auto shut-off
- ABS housing, ABS pan
- 2 Lithium Batteries (Included)
- Liquid Crystal Display (LCD)



Model/Item Number	PS121	PS251
Capacity (g)	120	250
Readability (g)	0.1	
Repeatability (g)	0.1	
Linearity (g)	0.1	
Off-Center Load (g)	0.1	
Weighing Units	G, oz, ozt, dwt	
Price	1-3 \$42.75 4+ \$39.75	1-3 \$56.50 4+ \$51.25

OHAUS DIAL-O-GRAM® MECHANICAL BALANCE

The Dial-O-Gram® Series combines the convenience of direct-reading dial calibration with the speed of magnetic damping for a balance that accurately and quickly weighs everything.



- Magnetic damping for easier and faster operation
- Dial operation of fine weighing: 10 x 0.1g
- Stainless Steel Platform – 6" Diameter

Capacity	610g
Capacity w/accessory mass set	2610g*
Readability	0.1g
Tare capacity	225g
Calibrations:	
Front beam	225g tare
Middle beam	500g x 100g
Rear beam	100g x 10g
Dial	10g x 0.1g
Item Number	1650-00
Price	\$220.50

*Mass set 707-00 sold separately

OHAUS TRIPLE BEAM MECHANICAL BALANCE

Whether you're weighing solids, liquids, powders or even animals, an Ohaus Triple Beam balance is well-equipped to handle the job. The 700/800 Series provides the convenience of a toploading balance with the durability and versatility to accommodate a range of lab applications. Some models have a tare beam to allow containers up to 225g to be balanced out, and a variety of weighing platforms are also available.



- Three notched and tiered beams with center reading
- Four weighing platforms to choose from
- Spring loaded zero adjust compensator

Capacity	610g
Capacity w/accessory mass set	2610g*
Readability	0.1g
Tare capacity	--
Calibrations:	
Front beam	10g x 0.1g
Middle beam	16 oz x 1oz
Rear beam	100g x 10g
Stainless steel plate Platform Dia. (in/cm)	6/15.2
Item Number	750-S0
Price	\$134.25

*Mass set 707-00 sold separately

OHAUS TRIPLE PRO MECHANICAL BALANCE

Accurate, dependable and truly the BEST IN CLASS; the Ohaus Triple Pro offers the convenience of a toploading balance. Includes attachment weights and rod & clamp assembly.

- Includes attachment weight
- Set and rod & clamp assembly for specific gravity determinations
- Two security features included to prevent theft, a security loop and a Kensington type lock (cables sold separately)
- Easy-grip carrying handle is perfectly balanced and allows effortless movement.
- Convenient storage compartment for included attachment weight set.
- Two notched and tiered beams for easy reading
- Positive poise positioning for repeatable results
- Spring loaded zero adjust compensator
- Magnetic dampening which minimizes oscillation and speeds up weighing
- Security loop



Model/Item Number	TP2611
Capacity	2610 g
Readability	0.1g
Calibrations:	
Front Beam	10 g x 0.1 g
Middle Beam	500 g x 100 g
Rear Beam	100 g x 10 g
Stainless Steel Plate Platform	5.8" x 5.8" / 14.73cm x 14.73cm
Price	\$136.50

OHAUS ADVENTURER™ PRO ANALYTICAL AND PRECISION BALANCES

The OHAUS Adventurer Pro Series has established itself as the industry's most versatile balance. It counts, it sums, it holds and it delivers traceable results. No other balance in its class offers as many features in a compact design. SmarText™ software utilizes a 2-line backlit LCD to easily guide users through balance set up, operation and application mode procedures by displaying critical information. RS232, full GLP/GMP data output, dynamic weighing and multiple weigh units. Analytical models have capacities from 65g to 260g and incorporate a frameless draftshield design for easy access and cleaning. Precision models offer capacities from 53g to 8100g.

- Weighing
- Animal/Dynamic Weighing
- Parts Counting with Automatic Sample Recalibration
- Percent Weighing
- Checkweighing
- Totalization
- Display Hold



Model Number	AV53	AV8101
Capacity (g)	51	8100
Readability (g)	0.001	0.1
Repeatability (Std. dev) (g)	0.001	0.1
Linearity (g)	±0.002	±0.2
Stabilization Time (seconds)	2.5	2*
Pan Size (in/cm)	3.9/10 dia.	5.8 x 6.3/14.9 x 16.2
Balance Dimensions W x H x D (in/cm)	7.6 5.7 x 10/19.3 x 14.5 x 25.4	7.6 x 2.8 x 10/19.3 x 7.2 25.4
Item Number	AV53	AV8101
Price	\$910.35	\$981.75

OHAUS BALANCES

OHAUS ES SERIES LOW PROFILE BENCH SCALES

Utility and economy come together in the ES Series of all-purpose bench scales. The low profile design of the ES Series scales makes them perfect for shipping, receiving, and general bench applications. Easy, two-button operation and a large display help guarantee accurate and unmistakable results. The unique three-way mounting bracket allows you to mount the indicator to the scale base, above the scale platform, or on any vertical surface. For simple weighing at a favorable cost, the ES Series is the scale to choose.

Stainless steel pan, painted steel frame, easy two-button operation, stability indicator, auto-zero tracking, overload indicator, underload indicator, low power indicator, battery saving auto-off timer (power off after 5 minutes of inactivity), selectable averaging speed, three-way mounting bracket (mounts indicator to base, above base, or to wall), AC power adapter, large ("L") platforms feature leveling feet.



- 6 Models to choose from: 13.2 lb to 440 lb (6 kg to 200 kg)
- Features kg, lb, oz and lb:oz units
- Simple two-button operation
- Battery or AC power (adapter included)
- Meets Requirements of Approval Agencies: UL, FCC, CSA, CE Safety EN60950, Emissions EN55022, Immunity EN50082-1.

Model Number		ES6R	ES50L	ES100L
Maximum Displayed Readability	kg	6 x 0.002	50 x 0.02	100 x 0.05
	lb	13.225 x 0.005	110.2 x 0.05	220.4 x 0.1
	oz	211.6 x 0.1	1763 x 1.0	3526 x 2.0
	lb:oz	13:3 x 1 oz	110:3 x 1 oz	220:6 x 2 oz
Weighing Units		kg, lb, oz, lb:oz		
Display (in/cm)		1 inch / 2.54 cm digit height LCD		
Display Indicators		Weighing unit, stability, overload, underload		
Keyboard		Two function membrane switches		
Tare Range		To capacity by subtraction		
Stabilization Time		Within 3 seconds		
Overload Capacity		150% of capacity		
AC Power		9VDC AC wall adapter (included)		
Battery		6 "AA" (not included) batteries with 30 hours continuous use		
Span Calibration		100%	50 %	
Operating Temperature		14° F to 104° F / -10° C to 40° C		
Storage Temperature		14° F to 158° F / -10° C to 70° C		
Base Size (in/cm)		12.2 x 10.8 x 1.5 / 31 x 27 x 4		20.5 x 15.7 x 3 / 52 x 40 x 7.5
Indicator Stand (in/cm)		4 / 10 high above pan		
Item Number	ES6R	ES50L	ES100L	
Price	\$561.95	\$591.25	\$591.25	

OHAUS SCOUT® PRO PORTABLE BALANCES

Designed for use in laboratory, industrial or education applications, the OHAUS Scout Pro features easy-to-use two-button operation, a high-contrast LCD display, multiple weighing units, four application modes, and the option of either RS232 or USB connectivity, the Scout Pro is the portable balance for your needs! Removable stainless steel weighing platform, lockswitch, integral security bracket, integral shipping lock, integral weigh below hook, sealed front panel and molded spill ring, stability indicator, overload and underload indicators, low battery indicator, auto shut-off, AC adapter, span calibration mass included on 200g, 400g and 600g models.



- Mechanical and software protection provides superior resistance against shock and overloading.
- Easy snap-in user installable RS232 or USB interface optional accessory
- Software lock switch and integrated transportation lock prevents reconfiguration during use.
- The Scout Pro allows you to select active weighing units and modes using the two-button keypad.
- Scout Pro can be quickly configured using an on-display menu system – there are no cryptic codes to input!
- Parts Counting with Average Piece Weigh Recalculation
- Percentage Weighing
- Totalization - memory function to repeatedly sum the weight on the platform for compounding and formulation.
- Display Hold allows you to retain the weight of an over-sized package on the Scout Pro's display.
- Liquid Crystal Display (LCD)
- ABS housing, stainless steel pan
- AC Adapter (Included) or 4 AA Batteries (Not included)

Model Number	SP202	SP402	SP401	SP601
Capacity (g)	200	400	400	600
Readability (g)	0.01	0.01	0.1	0.1
Linearity (g)	±0.01	±0.01	±0.1	±0.1
Pan Size (in/cm)	4.7/12 Diameter			6.5 5.5/16.5 x 14.2
Dimensions WxHxD (in/cm)	7.56 x 2.13 x 8.27/192 5.4 21.0			
Calibration Mass (Full Span)	200 g	400 g	400g	600 g
Calibration Mass (Linear)	100 g	200 g	200 g	300 g
Price	\$307.75	\$443.95	\$174.95	\$252.75
AL-AA AA Batteries	\$0.67 each			



For more than 100 years, OHAUS has been the brand of choice for customers who are looking for quality made, full-featured scales and balances at an economical price. With vast experience in the design, development and marketing of scales and balances in the Laboratory, Industrial, Education, Retail, Food, Jewelry and specialty markets, OHAUS has earned its reputation as a trusted global supplier of precise, reliable and affordable products that meet virtually any weighing need.

OHAUS balances are designed with users in mind, offering consumers the perfect combination of precision, reliability, ease of use, durability and value.

OHAUS products have a solid reputation for enduring quality, and saves their customer's money over the long term. This commitment to quality is a direct result of their years of experience in designing precision weighing instruments. It is not unusual to hear about OHAUS scales being in service for decades without repair, saving users lots of money over the life of their use.



OHAUS PORTABLE BALANCES

OHAUS SCOUT® PRO PORTABLE BALANCES FOR EDUCATION

Designed for use in education applications, the OHAUS Scout Pro-Education features easy-to-use two-button operation, a high-contrast LCD display, multiple weighing units, four application modes, and the option of either RS232 or USB connectivity. The Scout Pro is the portable balance for your needs!

- Mechanical and software protection provides superior resistance against shock and overloading
- Easy snap-in user installable RS232 or USB interface accessory
- Software lock switch and integrated transportation lock
- Weighing
- Specific Gravity
- Percent Weighing
- Totalization
- Display Hold
- Parts Counting
- Digital Calibration from Keypad
- Tare Range – To Capacity by Subtraction
- 3 Second Stabilization Time
- High Contrast LCD with 6 digits – 0.6"/15mm high



SPE123



SPE202 & SPE401



SPE601

Model Number	SPE123	SPE202	SPE401	SPE601
Capacity (g)	120*	200	400	600
Readability (g)	0.001	0.01	0.1	0.1
Repeatability (Std. Dev.) (g)	0.003	0.01	0.1	0.1
Linearity (g)	±0.003	±0.01	±0.01	±0.1
Pan Size (in/cm)	3.6/9	4.7/12		6.5 x 5.6/16.5 x 14
Price	\$408.80	\$318.50	\$179.25	\$264.95
AL-AA	AA Battery	\$0.67		

WEIGHT EQUIVALENCE CONVERSION FACTORS

English to Metric

1 ounce = 28.3495 grams

1 pound = 453.592 grams

1 English short ton (2,000 lbs.) = 907.185 kilograms

1 Metric ton (2,204 lbs.) = 1,000 kilograms (1 megagram)

1 English long ton (2,240 lbs.) = 1,016 kilograms

Metric to English

1 gram = 0.03527 ounces

1 kilogram (1,000 grams) = 2.2046 pounds

1 metric ton (1,000 kilograms) = 2,204.6 pounds

OHAUS PORTABLE BALANCES/PROBES & PROBE RODS

OHAUS CS2000 PORTABLE STANDARD BALANCE

The OHAUS CS Compact Scale is a lightweight, portable scale perfectly suited for use in laboratory, industrial, education and home use applications. Easy operation with two clearly marked buttons, low battery indicator and auto shut-off feature (5 minutes no activity) to conserve battery life, mechanical and software overload protection to protect weighing cell from damage, external push button calibration (calibration masses not included).



- AC Adapter (Included) or 3 AA Batteries (Included)
- Liquid Crystal Display (LCD) – (0.4/11)
- ABS housing, stainless steel pan
- Approvals for electrical and emissions include CE listed and FCC Class B Part 15 operation
- Designed with superior RF protection to deliver accurate and stable results when used in production areas or near cell phones.
- Large weighing platform
- Can adequately handle large samples including oversized letters.
- Standard stainless steel platform is removable for easy cleaning.
- Low profile design and is truly portable when powered by three “AA” batteries (included).
- Large Stainless Steel Weighing Platform

Capacity x Readability (g)	2000 g x 1 g	
Repeatability (Std. dev.) (g)	1	
Linearity (g)	±1	
Weighing Units	G, lb:oz, Newton, oz	
Zero Range	To capacity by subtraction	
Stabilization Time	3 seconds	
Optimum Operating Temperature	65°-77°F/18°-25°C at 10% to 80% relative humidity, non-condensing	
Calibration	User calibration from keypad	
Pan Size L x W (in/cm)	5.75 x 5.25/14.5 13.3	
Scale Dimensions L x W x H	8.0 x 5.5 1.5/20.3 x 14.0 x 3.8	
CS2000	Scale	\$101.95 each
CS2000-A	AC Adapter	\$34.95 each
AL-AA	AA Battery	\$0.67 each

UTILITY PROBES

- 48" Blunt tip Utility Probe
- 3/4" Steel Tip On 1/2" Fiberglass Rod
- 8-1/4" Fiberglass Handle with vinyl grip



10041 48" Utility Probe.....\$18.95 each

- 60" Extendable Utility Probe
- 3/4" Steel Tip On 1/2" Fiberglass Rod
- 8-1/4" Fiberglass Handle with vinyl grip



10043 60" Utility Probe.....\$28.50 each

- 36" Probe Extension
- 3/4" Connectors on 1/2" Fiberglass Rod
- Use with #10043 (left)



10044 Cable Trencher.....\$23.95 each

SEYMOUR FIBERGLASS SOIL PROBE

Safe, non-conductive tool for locating underground irrigation, power and utility line.



SP48 48" Probe Rod\$32.95 each

WELDED STEEL PROBE RODS

- PR4 4' Steel Probe Rod\$19.95 each
- PR5 5' Steel Probe Rod\$21.95 each
- PR6 6' Steel Probe Rod\$22.95 each



We carry instruments and meters from the most popular brands.

Call 1-800-592-6940 for more information or pricing.





ST INDUSTRIES ELECTRONIC DIGITAL CALIPER

- Hardened stainless steel
- 4-way measurement system (outside, inside, depth & step)
- 0-6", 0-8", 0-12" range
- Readings in 0.00005" / 0.01mm
- Lapped measuring faces
- Zero setting
- Extra-Large LCD readout
- Direct conversion from English to Metric
- Includes case & battery
- Thumb roller and lock



57-0116	6"	.....	\$40.50 each
57-0118	8"	.....	\$59.00 each
57-0112	12"	.....	\$85.00 each

ST INDUSTRIES ONE REVOLUTION DIAL CALIPERS

Dial Calipers are one of the most convenient measuring instruments. One-handed use

permits outside, inside, depth and step measuring capabilities. Made of stainless steel with sharp graduations on beam and dial face. Covered rack design helps keep foreign matter out of rack.

- 4-way measurement (outside, inside, depth & step)
- Hardened stainless steel with satin chrome finish
- Precious ground and lapped measuring surface
- Adjustable bezel with lock
- Thumb roll with lock
- Furnished with fitted case
- Reads direct to .001" or with .100" graduations on beam
- Large, easy-to-read dial face

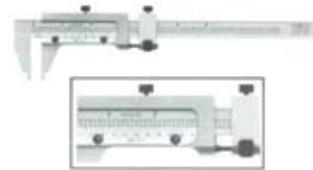


57-0006-0	6" Range.....	\$46.00 each
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ST INDUSTRIES VERNIER CALIPERS

Has all stainless steel construction with a satin chrome finish

- English and Metric reading for outside, inside and depth measurements
- 0.001" and 1/20 mm readings
- Full 6" range
- Furnished in case



57-134100	\$23.00 each
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ABSOLUTE DIGIMATIC CALIPERS

- Large and clear LCD readout.
- The ZERO/ABS key allows the display to be Zero-Set at any slider position along the scale for incremental comparison measurements. This switch will also allow return to the absolute (ABS) coordinate and display of the true position from the origin point (usually jaws-closed point).
- With thumb roller.
- Supplied in fitted plastic case.



Part Number	Accuracy	Range	LCD Res	Price
500-171-30	+/- .001in	0-150mm/0-6in	.0005in/0.01mm	\$210.75

**Other variations available – Call for details*

MITUTOYO DIAL CALIPERS – 505 SERIES

- New designed dial movement for ultra-smooth sliding and high shock protection.
- Titanium Nitride (TiN) coating is applied to the sliding surface to increase wear resistance
- Can measure OD, ID, depth, and steps.
- Lock screw for dial bezel and for holding the sliding jaw position .
- Supplied in fitted plastic case.



Part Number	Accuracy	Range	Graduations	Price
505-672	0.03mm	0-200mm	0.02mm	\$186.95

**Other variations available – Call for details*

GLOVES/LAB EQUIPMENT

NITRI-CHEM® FLOCK-LINED NITRILE GLOVES

- S-XL
 - Nitri-Chem 15 mil
 - Flock Lined Nitrile
 - Diamond Grip
 - 13 Inch Length
 - Heavy Duty Non-Slip Grip
 - Straight Cuffs
 - Materials Comply with FDA Regulations for Food Contact
- 5319-SZ Size 8 or 9\$2.25 per pair
 5320-10 Size 10\$2.25 per pair



SENSAGUARD LATEX GLOVES

- Component materials comply with FDA regulations for food contact
 - Ambidextrous
 - Non-sterile
 - Industrial /Food Grade
 - Disposable
 - 5 mil Latex
 - 100 gloves per box
- 5054-SZ 4 mil, Powder-Free \$7.95 per box
 5060-SZ 5 mil, Powdered \$9.95 per box
 * Please specify size when ordering.



NITRISHIELD® PREMIUM NITRILE GLOVES

- Textured finish for better grip
 - Resistance to a wide variety of chemicals
 - Latex Free
 - Textured
 - 100 gloves per box
 - Industrial/Food Service Grade
- 6015-SZ 4 mil, Blue, Powder Free\$10.95 per box
 6020-SZ w/Powder, X-Large\$10.95 per box
 6060-SZ 3 mil, Black, Powder Free.....\$10.95 per box



WHIRL-PAK STERILE SAMPLING BAGS

Transparent polyethylene bags for sampling and product analysis. Gas sterilized with documentation available. Bags seal tightly; holds solids or liquids. Combination of tape and double wire framing on top of both sides make them stay open. To get a moisture and air tight seal, whirl bag over wire tape three times and bend tabs over to lock shut.



Features: Puncture proof tabs for protection due to wire-end protrusion. Pull tabs help prevent contamination from finger contact when opening. Write-on bags have area that accepts ballpoint pen or pencil. 2.5 to 4 mil thickness. Sold in boxes of 500.



- B679 Plain, 4 oz. - 3" x 7-1/4"\$49.95 per box
 B736 Plain, 18 oz. - 4-1/2" x 9"\$69.95 per box
 B1062 Write-On, 4 oz. - 3" x 7-1/4"\$54.95 per box
 B1065 Write-On, 18 oz. - 4-1/2" x 9"\$76.95 per box

For More Gloves Choices,
 Check Out The Safety
 Section! We Carry A
 Large Selection of Brands
 such as Memphis, North,
 Sensaguard, Showabest,
 Hexarmor & Many Others!

Pros and Cons of Latex vs. Nitrile Gloves

Nitrile and latex are both common materials for protective gloves for medical or industrial use. Nitrile gloves are made out of a synthetic material, whereas latex is a natural material, made out of rubber. Some people are allergic to a protein in latex, causing allergic reactions and irritation.

Nitrile is favored by many, primarily because many people have latex allergies. Nitrile gloves are also more resistant to punctures, making this material suitable for many professions. It also protects against a broad range of chemicals and petro-based products. However, when allergy is not a concern, latex has a slight advantage concerning comfort and dexterity.

In a study, published by Jo Sawyer and Allan Bennett, latex was slightly better for "fine-finger" dexterity but both nitrile and latex scored equally for tasks requiring gross dexterity.

Another advantage of nitrile is that it splits when punctured, unlike latex, allowing the wearer quick awareness of potential biohazard or chemical contamination.

~Information courtesy of www.askaboutsafetyonline.com

EXTECH HYGRO-THERMOMETER WITH INFRARED THERMOMETER

Humidity and Air Temperature plus IR for non-contact temperature measurements.

- Large backlit LCD dual display
- Primary and secondary displays: Primary display is user selectable for IR or humidity; Secondary displays ambient temperature
- Infrared thermometer has built-in laser pointer, 8:1 distance to target ratio, and fixed 0.95 emissivity
- Auto power off, MAX and Data Hold
- Remote humidity sensor with 39" coiled cable measures both humidity and ambient temperature
- Over-range indication



Includes: Built-in stand, holster, Humidity/Temperature probe, 9V battery and carrying case.
RH101\$175.95 each

EXTECH EASYVIEW® BIG DIGIT, WIDE RANGE LIGHT METER

Measures high intensity light up to 40,000Fc and 400,000Lux, and is ideal for outdoor applications.

- Compact and rugged design with large display and bar graph
- Relative function for zero or difference from reference value
- Peak captures short light pulses to 100µs
- Data Hold and MIN/MAX readings
- Auto power off, Zero function



Includes: Built-in stand, light sensor and protective cover with 39" coiled cable, protective holster, 6 AAA batteries and carrying case.
EA30\$185.95 each

EXTECH EXSTIK® WATERPROOF PH PEN

Flat Surface electrode provides on-the-spot pH measurements.

- RENEW feature tells you when it's time to replace your pH electrode
- CAL feature tells you when it's time to recalibrate your meter
- Flat Surface pH electrode rugged design measures pH on solid and semi-solid surfaces
- Analog bar graph originates at neutral point (pH 7.00) to view trends in acidity or alkalinity
- 1, 2 or 3 point calibration
- ATC plus measures Temperature
- Memory stores 15 labeled data
- Waterproof to IP57 protects meter from wet environment



Includes: Flat surface pH electrode, sensor cap, sample cup with cap, four 3v CR2032 button batteries and 48" neck strap.
PH100 \$95.95 each

EXTECH DIGITAL STOPWATCH/CLOCK

Digital Stopwatch plus Calendar and Alarm.

- Stopwatch/Chronograph mode with 1/100th second resolution
- 12 or 24 hour clock operation
- Programmable alarm with an hourly chime
- Split time and two competitor timer
- Calendar displays day, month and date
- Water resistant housing is complete with LR44 battery and 39" neck strap



365510 \$21.95 each
5+ \$19.95 each

CUSTOMER NOTES:



EXTECH INSTRUMENTS

EXTECH NON-CONTACT FOREHEAD IR THERMOMETER

Ideal for quickly detecting elevated body temperature.

- Measures body temperature from 89.6 °F to 108.5 °F (32.0 °C to 42.5 °C) without contact
- Accurate to 0.5 °F (0.3 °C) with 0.1 °F /°C resolution
- Adjustable alarm alerts user visually and audibly when temperature exceeds programmed limit
- Optimum measurement distance of 1.9" to 5.9" (5 to 15cm)
- Measures surface temperature from 32 °F to 140 °F (0.0 °C to 60.0 °C)
- Fast response (0.5 seconds)
- Simply press the trigger and read temperature on the large, backlit LCD display
- Memory stores up to 32 readings for easy recall



Includes: 2 AA batteries and pouch.

IR200 \$98.95 each

EXTECH POCKET IR THERMOMETER

Handy troubleshooting thermometer with laser pointer.

- Measures non-contact surface temperature up to 518 °F (270 °C)
- Adjustable high alarm
- Economical small pocket size design for convenience
- Built in laser pointer identifies target area
- Data Hold and MAX/MIN Hold
- Lock mode for continuous scanning
- Auto power off
- Adjustable emissivity for better accuracy on different surfaces



Includes: 2 AAA batteries and pouch case.

IR201 \$57.95 each

EXTECH WIDE RANGE IR THERMOMETERS

- Model 42530 – Wide range Temperature measurements from -58 to 1000 °F/ 0.1° resolution
- Model 42529 – Basic model measures Temperature from 0 to 600 °F, 1° resolution
- Built-in laser pointer identifies target area
- Backlighting illuminates display for taking measurements at night or in low light levels
- Audible and visible overrange indicators
- Automatic Data Hold when trigger is released
- Fixed 0.95 emissivity covers 90% of surface applications
- Auto power off

Includes: 9V battery.

42529 -58° to 1000° F \$75.95 each
42530 0° to 600° F \$85.95 each



EXTECH CARBON MONOXIDE (CO) METER

Check CO levels in all environments up to 1000ppm.

- Auto Zero at start-up
- Displays CO levels from 0 to 1000ppm
- 1ppm resolution with ±5% or ±10ppm basic accuracy (whichever is greater)
- Utilizes a stabilized electrochemical gas specific (CO) fast response sensor
- Audible alarm starts at 35ppm
- Memory stores 10 readings
- Ergonomic pocket size housing
- MAX Hold, Data Hold buttons and Auto Power off features



Includes: 9V battery, protective holster and case.

CO10 \$249.99 each

EXTECH FOOT CANDLE/LUX METER

Includes analog output and fast/slow response feature.

- Accurately displays light level in terms of Fc or Lux over three ranges
- Select fast (1 second) or slow (2 seconds) response time
- Analog output of 1mV per count for capturing readings to a recorder



Includes: 9V battery, light sensor with protective cover, 47" cable and built-in stand.

401025 Lux Meter \$147.95 each
AL-9V 9 Volt Battery \$1.95 each

EXTECH CUP THERMO-ANEMOMETER

Rotating cups provide accurate air velocity measurements from any direction.

- Wide range air velocity measures m/s, ft/min, km/hr, and knots
- Dual LCD digital display of Air Velocity and Temperature
- Record MAX/MIN values
- Record up to 100 readings
- Water resistant housing (IP65)



Includes: 4 AAA batteries.

AN400 \$219.99 each

EXTECH DIGITAL SOUND LEVEL METER

Analog bar graph with 30dB range updates every 40ms.

- ±2dB accuracy with 0.1dB resolution
- Analog AC output for connection to chart recorders and data loggers
- Record MAX/MIN values over time
- Auto power off and MAX hold functions
- Utilizes 0.5" condenser microphone
- Tripod mount for field use

Includes: Microphone wind screen and 4 AAA batteries.



407730 \$84.95 each

EXTECH TYPE 2 SOUND METER WITH CALIBRATION CHECK

Two range meter with analog outputs.

- High accuracy meets Type 2 standards (ANSI S1.4-1983, IEC 60651, EN60651)
- High and Low measuring ranges
- MAX Hold with reset button
- Built-in calibration check (94dB)
- Analog AC/DC outputs for connection to an analyzer or recorder
- Tripod mount for field use
- Optional 407744 or 407766 Sound Calibrator

Includes: Microphone wind screen, 9V battery and carrying case.



407736 \$279.99 each

EXTECH HYGRO-THERMOMETER CLOCK

- Clock display 12/24 hour time
- MAX/MIN with "reset" function
- Simultaneous display of Time, Temperature (14 to 140 °F/ -10 to 60 °C) and Humidity (10 to 85% RH)
- Max resolution: 0.1°, 1%
- Basic Accuracy: ±1.8 °F/ 1 °C and ±6% RH
- Temperature is °C/ °F switchable
- Programmable clock alarm

Includes: Stand, wall mount bracket, 1 AAA battery and 1 year warranty.



445702 \$32.95 each

EXTECH HUMIDITY & TEMPERATURE USB DATALOGGERS

Two models to choose from with USB interface for easy data download.

- Model RHT10 datalogs **TH10**
16,000 Temperature/ 16,000 RH readings; Dew point indication via Windows® compatible software; Optional RHT10-SW software for RHT10 to calculate Grains Per Pound (grams per kilogram) to 1120GPP (160g/kg)



- Model TH10 datalogs 32,000 Temperature readings



- Selectable data sampling rate: **RHT10**
2s, 5s, 10s, 30s, 1m, 5m, 10m, 30m, 1hr, 3hr, 6hr, 12hr and 24hr
- User-programmable alarm thresholds for RH and Temperature
- Humidity: 0 to 100% RH (Model RHT10 only), Accuracy: ±3% RH; Temperature: -40 to 158 °F (-40 to 70 °C), Accuracy ±1 °F/ 0.5 °C
- 1yr battery life

Includes: 3.6V Lithium battery, protective USB cap, mounting bracket and Windows® compatible software for analysis; 1 year warranty.

TH10 Temperature USB Datalogger..... \$54.95 each

RHT10 Humidity & Temperature USB Datalogger \$85.95 each

EXTECH HUMIDITY & TEMPERATURE PEN

Pocket size for quick and reliable measurements at any location.



- Built-in sensors provide simultaneous readings of relative Humidity (20 to 90%) and Temperature 14 to 122 °F/ -10 to 50 °C on a dual LCD
- Max resolution: 1°, 1%
- Basic Accuracy: ± 2 °F/ 1 °C and ± 5% RH
- Temperature is °C/ °F switchable
- MAX/MIN memory functions for display of highest and lowest readings for both Temperature & Relative Humidity
- "Clear" function key to erase stored MAX/MIN readings to record new values

Includes: Pocket clip, one LR44 button battery and 1 year warranty.

44550 \$32.95 each

We have the full line of Extech Test and Measurement Tools, Call for Details.



EXTECH INSTRUMENTS: FAST FACTS

- Incorporated in 1970
- Acquired by FLIR Systems in November 2007
- Headquartered in Waltham, Massachusetts, USA
- Selling globally through distribution, Extech supplies:
 - 15 categories of test and measurement instruments
 - Thermal imaging cameras
 - Portable printers
- ISO 9001:2008 certified by TUV
- Known for the Extech Advantage™: Innovation, Selection, and Support

ARCHAEOLOGY SUPPLIES

NORTH ARROW

Use this North Arrow in photographs to show both orientation as well as metric scale (10cm, 10 one cm, and 1 five cm) in unit excavations.

10057 \$20.95 each 

METRIC PHOTOGRAPHIC SCALE

Constructed of heavy-duty solid plastic rod with threaded steel core, this meter scale can also be separated at its center to create two half-meter scales when needed. Use when photographing wall profiles, showing stratigraphic thickness, and size reference of larger features in excavation units. Decimeter graduations provide you with the needed scale in photographs for size reference after the field season is completed. Red nylon storage bag included with photographic scale.

 10056 \$48.50 each

MINI NORTH ARROW/METRIC SCALE SET

Designed for close-up photography in archaeology field work. Includes one 10 cm scale, one 5 cm scale and one Mini North Arrow which is 10cm long with a 5cm scale at its base. Includes a nylon stuff bag.

CRT106..... \$21.95 each 

SMALL BLACK & WHITE PHOTO SCALES

Made of .024 light gauge plastic. Will last for years. Metric Scale. For use in photographing small artifacts. 2cm wide – comes in various lengths – 5cm, 20cm or 25cm.



PS5	5 cm	.....	\$1.20 each
	12+	.....	\$.95 each
PS10	10 cm	.....	\$1.30 each
	12+	.....	\$1.05 each
PS25	25 cm	.....	\$1.95 each
	12+	.....	\$1.50 each

STONEY KNOLL HAND SIFTERS

Hand sifters are comprised of 1" x 4" New England White Pine. We offer a choice between Steel Handled Hand Sifters and Open Handled "milk crate style" Hand Sifters in two size choices for each handle style: Standard, with a screen area of 14" by 20" and Small, with a screen area of 12" by 14" (the two sizes nest inside one another for packing, when needed.)

STEEL HANDLED SIFTERS

The steel handled sifters feature steel handles that are mounted on the ends of the outside of the box – a design favored by those who want to protect their hands from any impact by sifting materials. The handles are bolted through the sifter and sealed with steel epoxy to prevent loosening.

SHS18	12" x 14" - 1/8" Mesh	.....	\$49.95 each
SHS14	12" x 14" - 1/4" Mesh	.....	\$45.25 each
HS1420-1/8	14" x 20" - 1/8" Mesh	.....	\$52.50 each
HS1420-1/4	14" x 20" - 1/4" Mesh	.....	\$48.80 each

OPEN HANDLED SIFTERS

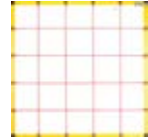
The open handled hand sifters feature a cut-out, "milk crate" style handle. This style was requested by so many folks that Stoney Knoll added it to their standard repertoire of sifters.



SOHHS18	12" x 14" - 1/8" Mesh	.....	\$47.55 each
SOHHS14	12" x 14" - 1/4" Mesh	.....	\$43.25 each
OHHS18	14" x 20" - 1/8" Mesh	.....	\$51.25 each
OHHS14	14" x 20" - 1/4" Mesh	.....	\$46.50 each

COLLAPSIBLE PROVENIENCE DRAWING SQUARES

Made of lightweight, durable powder coated aluminum. Divided into 10 cm segments with elastic shock cords. Compact and easy to assemble or disassemble. Comes with its own nylon stuff sack. Design makes it ideal for travel. The One Meter square can be configured in 10 cm or 20 cm segments by adding or subtracting elastic shock cords to make it more versatile depending on the size of the artifact you are working with. Includes a set of six detachable legs to lift off the ground for use with larger artifacts. Available in Half Meter and One Meter Sizes.



CRT107 Half Meter..... \$123.95 each
 CRT110 One Meter..... \$179.95 each

MAGNETIC CENTIMETER PHOTOGRAPHIC SCALE

This scale can be re-configured to address the needs of each photographic situation. It is constructed of 1/2" black and white PVC and is held together by magnets. Separate the parts and you have scales that go from a two decimeter and ten decimeter scale down to a five decimeter scale for close-up photography. Length is 11-3/4" which separates into three 3-15/16" sections – one solid black, one solid white and one black & white section which separates into two equal sections. Includes a nylon stuff sack for storage. *The neodymium magnets can damage digital equipment.



10056-CM \$28.50 each

RITE-IN-THE-RAIN NORTH ARROW PHOTO SCALE

Show the orientation of your photograph or reference size using this lightweight pocket-size metric scale (2 cm, 2 mm, 10 cm on front and 1 cm, 5 cm on back). Inch and centimeter rulers on the front side while the back side provides convenient 1:62,500 and 1:24,000 map scales. Low sheen construction will combat glare so that your finds are successfully recorded. Pencil friendly surface can be erased after tagging data. Made of light weight white plastic with durable black markings. Ideal for anyone recording photo data in the field. Made in the USA.



61..... \$3.75 each

STONEY KNOLL ROCKING SIFTING SCREENS

Rocking sifters are designed primarily for two person use. However, one person operation of our rocking sifters is possible.

- Four position adjustable height
- 1" x 4", clear New England White Pine
- Front lateral dowel for alternative hand hold
- Teflon encased pivot points for smooth operation
- Highest quality woven wire mesh available in today's market
- Water-sealed end grain to prevent wood from splitting and checking
- Galvanized screws and waterproof glue to withstand any weather conditions



Standard size sifters have 42" legs with four position adjustable height. The pivot point is located on the far end of the box. Center pivot legs are also available. The screens are durable, yet surprisingly light and easy to carry.

RS1722-1/8	17" x 22" - 1/8" Screen	.....	\$129.75 each
RS1722-1/4	17" x 22" - 1/4" Screen	.....	\$124.25 each
RS2026-1/8	20" x 26" - 1/8" Screen	.....	\$135.25 each
RS2026-1/4	20" x 26" - 1/4" Screen	.....	\$128.25 each
RS2228-1/8	22" x 28" - 1/8" Screen	.....	\$139.25 each
RS2228-1/4	22" x 28" - 1/4" Screen	.....	\$133.25 each

ARCHAEOLOGY SUPPLIES

INGALLS ARCHAEOLOGICAL HAND PICKS

Made of heat-treated alloy steel tampered to hold an edge, yet left soft enough to be easily re-grindable for a blunter or sharper digging edge, or different pick tip or hoe corner radius as desired. Top-of-the-line 12" (305mm) adze eye hickory handle with weather-resistant clear lacquer and silicone finish for a slip-resistant grip. Shaped for maximum hand comfort. Four picks to choose from:

THE DETAILER

For careful work around emerging artifacts. Very narrow pick point (4.4mm) for fine work. Narrow hoe width (36mm, approx 1-7/16") for delicate earth removal. Not designed to meet higher efficiency dig site debris removal needs.

AP-36 \$55.95 each

THE SURVEYOR

For general exploration as well as daily on-site use. The 40mm (approx 1-9/16") hoe width makes this tool suitable for daily dig site use and careful debris removal from around larger artifacts, rocks, stone, blocks, etc.

AP-40 \$55.95 each

THE EXPEDITION

This pick is designed for long-term daily on-site production use. The 45mm (approx 1-3/4") wide hoe promotes efficient overburden removal without giving up the detailing advantages of a narrow pick point.

AP-45 \$59.95 each

THE EARTHMOVER

Too large for delicate work, but excellent where dig site preparation work is required to clear away large quantities of overburden. Hoe width is 55mm (approx 2-5/32") for high-production debris removal.

AP-55 \$69.95 each



MARSHALLTOWN TROWELS

Forged from a single piece of high carbon steel, with a thicker blade and hardwood handle. Made in the USA

MARSHALLTOWN MARGIN TROWEL

Forged from a single piece of highest grade tool steel for unsurpassed strength. Tempered, ground, and polished from toe to heel. Hardwood handle with metal ferrule blade.



11202 5" X 2" \$13.95 each
 6+ \$12.95 each
 11204 5" X 1.5" \$13.95 each
 6+ \$12.95 each

MARSHALLTOWN HEAVY DUTY MARGIN TROWEL

16947 5" x 1.5" blade \$13.95 each
 6+ \$12.95 each

MARSHALLTOWN HEAVY DUTY POINTING TROWELS

16944 4.5" x 2.25" blade \$13.95 each
 6+ \$12.95 each
 16945 Philadelphia Style - 5" x 2.5" blade \$13.95 each
 6+ \$12.95 each
 16946 London Style - 4" x 2" blade \$13.95 each
 6+ \$12.95 each

MARSHALLTOWN POINTING TROWEL

Versatile tool. Forged from a single piece of highest grade tool steel for unsurpassed strength. Hardwood handle with polished steel ferrule.



11122 4.5" x 2.5" Blade \$13.95 each
 6+ \$12.95 each
 11124 5" x 2.5" Blade \$13.95 each
 6+ \$12.95 each



16947



16944



16945



16946

MARSHALLTOWN TROWEL HOLSTER

Rugged leather construction with long-wearing protective insert, riveted belt lop for secure and easy portability.



11163 \$13.25 each

ARCHAEOLOGY SUPPLIES

ARTIFACT BRUSHES

- Used for dusting sand from delicate artifacts
- White Chinese bristles with wooden handles
- Also called Chipper Brushes

1500-1/2	1/2" Width	\$.50 each
1500-1-1/2	1-1/2" Width	\$.50 each
1500-2-1/2	2-1/2" Width	\$.75 each
1602-3	3" Width.....	\$.75 each
1601-4	4" Width.....	\$1.50 each



WHISK BROOM

This is the best quality whisk broom for home, automobile and office

- Made of selected fine broom corn
- Sewed two times
- Plated ring cap



0228 \$4.50 each

ESTWING GEOLOGICAL TOOLS

ESTWING POINTED TIP ROCK PICK

Overall length is 13". Head is 7" across and weighs 22 oz. Total weight is 2 lbs. Made of forged steel with nylon-vinyl grip. One piece construction.



E3-22P \$33.95 each

ESTWING LONG-HANDLE ROCK PICK

Overall length is 16.5" Head is 7.5" across and weighs 22 oz. Total weight is 2.25 lbs. Made of forged steel with nylon-vinyl grip. One piece construction. Long handle gives extra leverage.



E3-23LP \$37.50 each

ESTWING GEO/PALEO PICK

For all geological and paleo digs. 25" long handle with 14" head. One end of head is pointed and the other end is a chisel. Powder-coated finish with vinyl grip. One piece forged steel construction. Weighs 4 lbs.



GP100 \$65.95 each

ESTWING LEATHER GRIP ROCK PICK

Overall length is 12.5" Head is 7" across and weighs 22 oz. Total weight is 2 lbs. Made of forged steel with a leather grip. One piece construction.



E30 \$37.95 each

ONTARIO KNIFE ICE PICK

Fully heat treated and tempered 1095 carbon steel. Hardwood handles secured with brass compression rivets. 8-1/4" Overall Length.



1001 \$5.95 each

STANLEY LINE LEVEL

- Accurate with a 360 degree vial
- Lightweight and extremely durable
- Flat base for surface leveling
- 3" Length



42-193 High visibility yellow plastic \$1.75 each
 42-287 Aluminum \$3.25 each

CHAINING PINS

Chaining pins are made of 3/16" hardened steel and are 14" in length. Set of 11 painted alternatively with red and white enamel for easy visibility.



04-501 Set of 11 pins \$21.50 set
 04-511 Carrying Ring \$13.50 each
 04-506 Leather Quiver \$20.95 each

NYLON TWINE

Constructed of 100% filament nylon, this twine is resistant to abrasion, rot, mildew, grease, oil, and many chemicals. Can be used for trot lines, chalk lines, line leveling, duck decoys and gardening.



0089 #18 Twine – 220' Length \$3.50 each
 135126 #18 Twine – 1080' Length \$7.95 each



**VISIT OUR ARCHAEOLOGY WEBSITE:
 WWW.ARCHAEOLOGYCSP.COM
 SHOP ONLINE**

ARCHAEOLOGY SUPPLIES

SAND GRAIN SIZING FOLDER

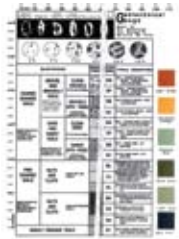
These handy folders contain six actual grain sizes (silt, very fine sand, fine sand, coarse sand and very coarse sand) plus four actual grain samples to show angular, subangular, subrounded and round shapes and printed examples of well-sorted and poorly-sorted grain samples in fine, medium and coarse ranges to provide a pocket-sized guide to sizes, shapes, roundness and sphericity of a sample. Also included are measurement limits for granules, pebbles, cobbles and boulders.



10091 1-9..... \$7.50 each
10+..... \$6.75 each

GEOTECHNICAL GAUGE

- This gauge features a centimeter and inches scale, a roundness chart, a chart for estimating percentage composition, 6 common Munsell soil colors, and a size classification chart with actual sand grains from coarse to silt fused to the plastic
- Flexible & Waterproof with nylon string for carrying
- Measures 5" x 7"



10010B 1-9..... \$18.00 each
10+..... \$17.00 each

Munsell Color Charts Located on pg. 411



SAND GAUGE

- This gauge features a centimeter and inches scale, a roundness chart for estimating percentage composition, 6 common Munsell soil colors, and a size classification chart with actual sand grains from coarse to silt fused to the plastic
- Flexible and Waterproof with nylon string for carrying
- Measures 5" x 7"



10002 1-9..... \$16.00 each
10+..... \$15.00 each

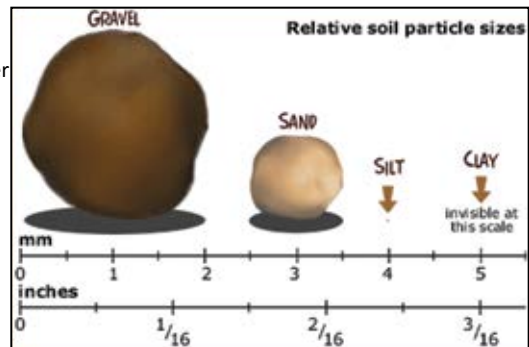
See the beginning of our environmental section for AMS Soil Sampling Equipment and Supplies as well as Oakfield Soil Samplers. We also carry the full line of Rite in the Rain products in our Surveying section.

WENTWORTH SCALE OF ROCK PARTICLE SIZES

Classification	Particle size (diameter)
Boulder	Above 256 mm
Cobble	64-256 mm
Pebble	4-64 mm
Gravel (or Granule)	2-4 mm
Very coarse sand	1-2 mm
Coarse sand	0.5-1 mm
Medium sand	0.25-0.5mm
Fine sand	0.125-0.25 mm
Very fine sand	0.062-0.125 mm
Silt	0.004-0.062 mm
Clay	Less than 0.004 mm

**The Wentworth scale was published in 1922 by Chester K. Wentworth, modifying an earlier scale by Johan A. Udden. Wentworth's grades and sizes were later supplemented by William Krumbein's phi or logarithmic scale, which transforms the millimeter number by taking the negative of its logarithm in base 2 to yield simple whole numbers. This chart is a simplified version of the much more detailed USGS version. (This info is courtesy of Geology.About.com)*

Particle size, also called grain size, refers to the diameter of individual grains of sediment, or the lithified particles in clastic rocks. The term may also be applied to other granular materials. This is different from the crystallite size, which refers to the size of a single crystal inside a particle or grain. A single grain can be composed of several crystals. Granular material can range from very small colloidal particles, through clay, silt, sand, and gravel, to boulders.



**This image is courtesy of <http://www.uen.org>*

Sediments are classified through their method of erosion as either clastic or chemical. Chemical sediment is broken down through chemical weathering with transportation, a process known as corrosion, or without. That chemical sediment is then suspended in a solution until it precipitates. Think of what happens to a glass of saltwater that has been sitting out in the sun. Clastic sediments are broken down through mechanical means, like abrasion from wind, water or ice. They are what most people think of when mentioning sediment; things like sand, silt and clay. Several physical properties are used to describe sediment, like shape (sphericity), roundness and grain size. (This info is courtesy of Geology.About.com and Wikipedia.com)

AUGER BITS



A full line of high-quality wood boring and drilling accessories designed for the professional who uses tools on the job, day in, and day out. The power tool is only as good as the accessory making the cut. WoodOwl accessories cut faster, cleaner, and longer.

WOODOWL DEEP CUT SHIP AUGERS

Designed for making deep, smooth cuts in utility poles, railroad ties, pressure-treated lumber, wet or frozen wood.

- Spurred cutting edge for fast and even cutting
- Course, burr-free lead screw for quick, on-target starts without material buildup
- Unique twist design for clean chip removal, even in the deepest cuts
- Teflon[®] coated to resist head and friction
- Perfectly concentric for even, easy cutting of accurate diameter holes
- Carbon steel construction
- Heat treated and hardened for durability



Part Number	Diameter	Overall Length	Twist Length	Shank	Price
08808	11/16"	18"	15"	7/16 QC	\$34.95
08809	3/4"	18"	15"	7/16 QC	\$36.25
08810	13/16"	18"	15"	7/16 QC	\$37.85
01005	1/2"	24"	21"	7/16 QC	\$33.50
01006	9/16"	24"	21"	7/16 QC	\$38.75
01007	5/8"	24"	21"	7/16 QC	\$43.50
01008	11/16"	24"	21"	7/16 QC	\$46.95

**Other Deep Cut Ship Augers with Assorted Diameters Available*

WOODOWL ULTRA SMOOTH SHIP AUGERS

- Tri-Cut spurred edge design for fast, smooth cutting without resistance
- Ultra Smooth cutting for perfectly finished holes without "blowout"
- Teflon coated to resist heat and friction
- Burr-free lead screw for easy starts and pull-through without material build-up
- Perfectly concentric for even and easy cutting of accurately sized holes
- Lighter weight than standard augers for safety and reduced fatigue without sacrificing strength
- Carbon steel construction with precise heat-treat and hardening processes



Part Number	Diameter	Overall Length	Twist Length	Shank	Price
09806	9/16"	18"	15"	7/16QC	\$30.50
09808	11/16"	18"	15"	7/16QC	\$33.50
09809	3/4"	18"	15"	7/16QC	\$34.75
09810	13/16"	18"	15"	7/16QC	\$36.25
09811	7/8"	18"	15"	7/16QC	\$38.50
09812	15/16"	18"	15"	7/16QC	\$39.50
09813	1"	18"	15"	7/16QC	\$41.25

**Full Line of WoodOwl Wood Boring Bits Available*

IRWIN DRILLING MACHINE AUGER BITS

62R Series – 1/2" Round Shank

- Round shank in designed for use in power drills, drill presses, and drilling machines with 1/2" or larger chuck
- Medium-fast screw point is ideal for general wood drilling applications
- Heavy stem increases strength and rigidity while reducing vibration, shank length is 2"
- Full length heat treated bit guards against bending in Heavy-Duty applications and strengthens the twist where the greatest strain occurs.



Part Number	Diameter	Overall Length	Twist Length	Price: Qty 1-5	Price: Qty 6+
45513	13/16"	12"	10"	\$32.25	\$30.25
45516	1"	12"	10"	\$32.50	\$30.50
45611	11/16"	14"	12"	\$32.50	\$30.50
45612	3/4"	14"	12"	\$32.75	\$30.75
45613	13/16"	14"	12"	\$33.00	\$31.00
45614	7/8"	14"	12"	\$33.00	\$31.00
45616	1"	14"	12"	\$33.25	\$31.25

IRWIN POWER DRILL POWER POLE AUGER BITS

- Extra-long twist is ideal for drilling large poles, construction timbers, and for multiple timber applications
- All bits feature 7/16" adaptable hex shank; simply remove it to use round shank
- Bit can be resharpened
- Medium-fast screw point ideal for general wood drilling applications
- Cutting spur scribes the outside of the hole during drilling for a smooth, clean hole



Part Number	Diameter	Overall Length	Twist Length	Price: Qty 1-5	Price: Qty 6+
46809	9/16"	17"	12"	\$28.75	\$26.75
46811	11/16"	17"	12"	\$30.25	\$28.25
46813	13/16"	17"	12"	\$33.75	\$31.75
46909	9/16"	23"	18"	\$41.50	\$38.95
46911	11/16"	23"	18"	\$42.95	\$40.25
46913	13/16"	23"	18"	\$48.25	\$45.25
46914	7/8"	23"	18"	\$49.50	\$46.50
46915	15/16"	23"	18"	\$53.50	\$50.25
47009	9/16"	29"	24"	\$57.50	\$53.95
47011	11/16"	29"	24"	\$61.75	\$57.95
47012	3/4"	29"	24"	\$63.50	\$59.50
47013	13/16"	29"	24"	\$66.75	\$62.75
47014	7/8"	29"	24"	\$68.50	\$64.25
47016	1"	29"	24"	\$76.75	\$71.95
47017	1-1/16"	29"	24"	\$84.95	\$79.50

IRWIN WOOD DRILLING FORSTNER BITS

- Reduced shank fits 3/8" portable drills and drill presses
- Brad point tip starts the bit cleanly on uneven surfaces
- 3/8" shank



Part Number	Diameter	Qty 1-5	Qty 6+
42932	2"	\$29.50	\$27.75

**Forstner Bits Available in a number of Diameter Sizes. Call for more info.*

AUGER BITS



IRWIN HAND BRACE UTILITY POLE AUGER BITS

- Extra-long twist is ideal for boring large poles, construction timbers, and for multiple timber applications
- Cutting spur scribes the outside of the hole during drilling for a smooth, clean hole
- Remove the taper square shank and use in an electric drill or hand brace
- Bit can be resharpened
- Medium-fast screw point ideal for general woodboring applications
- 18" Overall length, 12" twist
- Single Spur, cutter & side lip bore through creosoted poles without clogging or binding



Part Number	Diameter	Shank Size/Type	Price: Qty 1-5	Price: Qty 6+
46611	1 1/16"	Adapter Shank	\$28.50	\$26.50
46612	3/4"	Adapter Shank	\$29.00	\$27.25
46613	13/16"	Adapter Shank	\$31.75	\$29.50

IRWIN IMPACT WRENCH UTILITY POLE AUGER BITS

- Extra-long twist is ideal for boring large poles, construction timbers, and for multiple timber applications
- Cutting spur scribes the outside of the hole during drilling for a smooth, clean hole
- Hex shank design for use in impact wrench drills
- Bit can be resharpened
- Medium-fast screw point ideal for general wood drilling applications
- 18" Overall Length, 15" Twist
- 7/16" Quick Change Shank Hex Size
- Full length heat-treated bit
- Single spur, cutter & side lip bore through creosoted poles without clogging or binding



Part Number	Diameter	Price: Qty 1-5	Price: Qty 6+
47911	1 1/16"	\$46.25	\$43.25
47913	13/16"	\$51.50	\$48.25

IRWIN POWER DRILL I-100 AUGER BITS

- Solid center design provides extra rigidity while drilling
- Wide lands keep the bit straight as it bores through the hole. The flutes are ground behind the lands to funnel chips to the inside of the bit and away from the outside diameter, producing a faster, cleaner cut
- Single-spur cutting edge scribes the circumference of the hole for a smoother finish
- Coarse screw point provides fast drilling in hard and soft woods
- Full-length heat treated bit guards against bending in heavy-duty applications and strengthens the twist where the greatest strain occurs
- 7-1/2" Overall Length, 4-1/2" Twist Length



Part Number	Diameter	Price: Qty 1-5	Price: Qty 6+
49904	1/4"	\$10.95	\$9.95
49906	3/8"	\$10.95	\$9.95

Full Line of Irwin Bits Available

IRWIN IMPACT WRENCH LONG SHIP AUGER BITS

- Hex shank design for use in impact wrench drills
- Wide lands help keep bit straight as it bores
- Bit can be resharpened
- Medium-fast screw point ideal for general wood boring applications
- 18" Overall Length, 15" Twist
- 7/16" Quick Change Shank Hex Size



Part Number	Diameter	Price: Qty 1-5	Price: Qty 6+
48711	11/16"	\$42.95	\$40.95
48713	13/16"	\$46.50	\$43.95
48715	15/16"	\$49.50	\$46.95
48717	1-1/16"	\$55.50	\$52.95

***Other Irwin Bits Available. Call for more information.**

DID YOU KNOW...

IRWIN TOOLS has a long and storied history stretching for over a century. In 1884 Charles IRWIN owned a pharmacy in Martinsville, Ohio. A local blacksmith who was a customer of Mr. IRWIN's came up with the idea for a solid center auger bit. He sold the rights to this invention to Mr. IRWIN and a year later, after patenting the Auger bit, Charles IRWIN, along with four other business partners formed the IRWIN Auger Bit Co.

About four decades later there was another blacksmith with an idea, this one in the small town of DeWitt, Nebraska. William Petersen was a Danish immigrant who invented the first locking pliers in his blacksmith shop, and began selling them from the trunk of his car to farmers and people in surrounding towns. He patented his new idea and called it *Vise-Grip*.

In 1993 the company's histories would converge. Petersen Manufacturing, which changed its name to American Tool Companies in 1985, acquired the IRWIN Tool Company. This strategy of growth through acquisition and innovation has been proven with an unparalleled history of breakthrough products. Today IRWIN Industrial Tools is a global company with a stable of brands that is the envy of the tool world. Our reputation as an industry leader rests on the foundation that Charles and William built so long ago.

SUPPLIES

SPENCER® POLE TAPE – 1/4" X 6'

- Used primarily by those who work with poles or pole timber
- Extra heavy chrome line with black markings
- Marked in consecutive inches to 8ths on one side
- Marked in diameter inches to 64ths on reverse side
- One measurement gives circumference & diameter by reading both sides
- Ring at one end, eye at other; no case
- Made in the USA



PT6 1-4..... \$19.95 each
5+..... \$17.75 each

IN SHAVE

- 5" blade, curved to fit the shape of a log or tree with 6" kiln dried ash handles



49961 \$59.95 each

CURVED BLADE BARK SCRAPER

Designed to keep your hands out of the way while shaving bark, the handles are curved up away from the blade. It features a 9" x 1-1/4" cutting edge and blue plastic handle. 16" overall length.



10035 \$66.95 each

DRAW SHAVE

- High quality 8", 10" or 13" straight blade with 6" kiln dried ash handles
- Made in the USA



49941 8-1/2" blade \$57.25 each
49931 10" blade..... \$56.75 each
49951 13" blade..... \$92.50 each

MAG BITS/LOG WIZARD

MAG 730 TIMBER BITS – TWIN FLUTES, TWO SPURS

- Bits accept Mag-Bit Countershank, counter bore tools
- Double flute and double spur design for clean holes and quick chip removal
- Back-tapered to prevent binding in deep holes
- Machined on a true center for less run-out and to prevent “wandering” in the workplace
- MAG730 has Quick Change 7/16” hex shank to work with pneumatic and hydraulic drill motors



Part Number	Diameter	Overall Length	Twist Length	Shank	Price
730.1116	11/16”	30”	26”	7/16” QC Hex	\$95.50
730.1316	13/16”	30”	26”	7/16” QC Hex	\$98.25
730.1616	1”	30”	26”	7/16” QC Hex	\$107.95
730.1816	1-1/8”	30”	26”	7/16” QC Hex	\$139.85

MAG 710 – SINGLE SPUR AUGER BITS

Single Spur opposite cutting lip for clean entrance and exit holes and a self-feed screw point for fast, effortless boring. Two recesses in shank to allow for extension set screws (5/8” and larger sizes).

- Black oxide flutes
- Self-feeding screw point
- Spur for clean boring
- Packed in a reusable storage tube



Part Number	Diameter	Overall Length	Twist Length	Shank	Price
710.1216	3/4”	18”	12”	7/16”	\$22.95
710.1316	13/16”	18”	12”	7/16”	\$25.25

**We offer the full line of Mag-Bits. Call for more information*

“THE AMAZING” LOG WIZARD

This one of a kind chainsaw attachment turns your chainsaw into an amazing new tool. The “Log Wizard” gives you the freedom of time and the value of creation. Fitted with two 3-1/4” planer blades.

- Fits all chainsaws
- 3/8” & .325 sprockets supplied
- Initial installation less than 10 minutes
- Allows for easy blade transfer
- Uses standard 3-1/4” planer blade
- Safe – Fun – Efficient to Use
- De-Barker
- Post Sharpener
- Notcher/Planer
- Weighs under 3 lbs.
- Sprockets accommodate all pitches of chain
- Comes complete with a universal spline/sprocket system



450010	Log Wizard	\$204.95 each
731001-4	3-1/4” Replacement Planer Blades	\$19.95 each
02006-06201	Replacement Bearing	\$14.95 each
450040	Replacement Drum.....	\$82.95 each
450080	Spline Adapter/Long Stud.....	\$30.95 each
450120	Spline Adapter/Short Stud	\$14.95 each
R68210S	Sprocket for Log Wizard.....	\$5.25 each
450000	Housing	\$86.95 each

METABO LARGE ANGLE GRINDERS FOR SLAB GAINERS

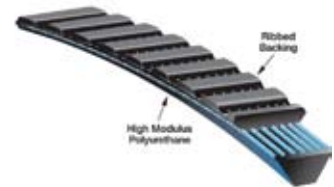
Model	W24-180	W24-230	W26-230
	110v	110v	220v*
Maximum Wheel Diameter	7"	9"	9"
No-load Speed (RPM)	8500	6600	6600
Amps	15.0	15.0	15.0
Rated Input Watts	2400	2400	2600
Arbor Size	7/8"	7/8"	7/8"
Spindle Thread	5/8" – 11	5/8" – 11	5/8" – 11
Tool Weight	13.3 lbs	13.6 lbs	14 lbs
Length	18"	18"	18"
Price	\$313.50	\$314.25	\$432.00

*W26-230 – European Plug Only – 220v



GATES 5M365 SLAB GAINER BELT, V-BELT POLYFLEX®

- Polyurethane compound for resistance to fatigue, wear, ozone, and most environmental conditions
- Precise casting eliminates layers and overlaps for reduced vibration
- Ribbed backing for lateral stability and reduced bending stress on small diameter pulleys
- 60-degree angle provides greater support to tensile section for even load distribution
- Working temperature range of -65 to +180 degrees F



Section Size: 5M, Top Width: 3/16", Polyurethane, Outside Length: 14.37"

35.054	Metabo Geared Chuck 1/2" x 5/8" - 11.....	\$62.95 each
5M365	Gates Slab Gainer Belts.....	\$10.95 each
	6-11.....	\$9.95 each
	12+.....	\$9.25 each

METABO SMALL ANGLE GRINDERS

Model	WP8-115Q	WEP14-150Q
Series	Professional	Professional
Maximum Wheel Diameter	4 1/2"	6"
No-load Speed (RPM)	10000	9000
Amps	8.0	12.2
Rated Input Watts	850	1450
Arbor Size	7/8"	7/8"
Spindle Thread	5/8" – 11	5/8" – 11
Tool Weight	5.3 lbs	6.1 lbs
Length	11.75"	12.25"
Price	\$193.50	\$327.75



NOTES:



METABO WHEELS



Grinding Wheel



Cut-Off Wheel



Pipe Line Wheel



Wire Wheel Brush

GRINDING WHEELS – TYPE 27

P/N	Type – Size	RPM	Price: Qty 1-3	Price: Qty 4-9	Price: Qty 10+
16.319	Steel – 6" x 1/4" x 7/8", A24R	10,200	\$3.75	\$3.50	\$3.25
55.782	Steel – 7" x 1/4" x 5/8-11", A24R	8500	\$6.25	\$5.95	\$5.50
55.784	Steel – 9" x 1/4" x 5/8"-11, A24R	6600	\$9.25	\$8.50	\$7.95

TYPE 1 CUT-OFF WHEELS – FOR GAS AND ELECTRIC CUT-OFF SAWS

P/N	Type – Size	RPM	Price: Qty 1-3	Price: Qty 4-9	Price: Qty 10+
16.157	Masonry – 12" x 1/8" x 1"	6400	\$6.50	\$5.95	\$5.50
16.139	Steel – 14" x 1/8" x 1"	5400	\$10.50	\$9.95	\$9.25
16.159	Masonry – 14" x 1/8" x 1"	5400	\$11.75	\$10.95	\$10.25

TYPE 1 CUT-OFF WHEELS – FOR PORTABLE SAWS

P/N	Type – Size	RPM	Price
16.333	Steel – 7" x 1/8" 5/8"	8600	\$3.50
16.334	Masonry – 7" x 1/8" x 5/8"	8600	\$3.75

TYPE 27 PIPE LINE WHEELS – FOR AIR AND ELECTRIC GRINDERS

P/N	Type – Size	Price: Qty 1-3	Price: Qty 4-9	Price: Qty 10+
655281	Steel – 4-1/2" x 1/8" x 5/8"-11, A24T	\$3.95	\$3.75	\$3.50

WIRE WHEEL BRUSHES

P/N	Type – Size	Qty 1-3	Qty 4+
55.138	4" – 3/16"Width – 5/8"-11, .020 Steel Knotted	\$20.75	\$18.75

Full Line of Metabo Available

TYPE 1 ORIGINAL "SLICER" WHEELS – FAST AND FLEXIBLE

- General purpose aluminum oxide wheel for steel and stainless steel rod/rebar
- Extremely fast, burr free, cool-cutting
- Flexibility for flush cutting.

655331	4 -1/2" x .040 x 7/8", A60TZ – Steel/Stainless Steel	\$1.45 each
	25+	\$1.35 each
55333	4-1/2" x 1/16" x 7/8", A60TZ – Steel/Stainless Steel	\$1.55 each
	25+	\$1.45 each
55339	6" x .040 x 7/8", A60TZ – Steel/Stainless Steel	\$2.00 each
	25+	\$1.85 each



TYPE 1 LONG LIFE ORIGINAL SLICER WHEELS – LONGER LIFE/TOUGH

- Engineered aluminum oxide wheel for longer life cutting pipe
- Thin wall steel and stainless steel tubing
- Sheet metal as well as bar stock
- Excellent service life

655332	4-1/2" x .045 x 7/8", A60XL – Steel/Stainless Steel	\$1.65 each
	25+	\$1.55 each
655344	6" x .045 x 7/8", A60XL – Steel/Stainless Steel	\$2.35 each
	25+	\$2.15 each



TYPE 1 "SLICER PLUS" WHEELS – AGGRESSIVE, COOL-CUTTING

- Specially engineered with coated aluminum oxide
- Proprietary bond for toughest applications
- Thicker sectional cuts in steels, stainless steels, heavy rebar, harder metals, heavy wall pipe & angle iron
- Best choice for cutting non-ferrous metals

655996	4" x .045 x 7/8", A60TX – Steel/Stainless Steel	\$1.75 each
	25+	\$1.65 each
655998	6" x .045 x 7/8", A60TX – Steel/Stainless Steel	\$2.50 each
	25+	\$2.35 each



TYPE 27 "SLICER PLUS" WHEEL

- Best choice for cutting non-ferrous metals
- 15,000 Max RPM

55351	4-1/2" x .045 x 7/8" – Steel/Stainless Steel	\$2.10 each
	25+	\$1.95 each

Other Pole Mill & Treating Plant Supplies Are Available in Other Sections of This Catalog:

Aluminum Tags	21-22
Cant Hooks & Handles	80,82
Chainsaw Bars, Chain & Other Parts	433-437
Gloves	315-323
Hard Hats & Accessories	324-327
Hearing Protection: Ear Plugs & Ear Muffs	310-314
Increment Borers, Bits & Extractors	43-44
Log Rules & Scale Sticks	15-16
Lumber Crayons	7
Paint, Marking	239
Safety Glasses & Goggles	300-308
Scannable Crayons & Chalk	8-9

CHAINSAW CHAPS

ELVEX PROCHAPS™ - 90 SERIES

- Patented asymmetric design provides extended protection on the left side of each leg, where most injuries occur.
- The 90 series chaps conform to ASTM requirements as well as APA Class A requirements.
- Lightweight, flexible and strong 420 denier Nylon cover fabric
- Easy on, easy off apron-style design
- Quick release buckles for waist and legs
- A zippered front pocket is standard



JE-9033	33" Length.....	\$68.95 each
JE-9036	36" Length.....	\$68.95 each
JE-9039	39" Length.....	\$74.95 each
JE-9043	43" Length.....	\$74.95 each

ELVEX PROCHAPS™ - 94 SERIES

- Designed for the professional chain saw user.
- Meets the requirements of the ASTM Standard.
- Lightweight Prolar protective pads add comfort and prevent heat buildup.
- Patented asymmetric design
- 1,000 denier Cordura Nylon cover fabric is more abrasive resistant.
- Three sets of leg straps and buckles help the stiffer cover fabric conform comfortably to the legs.
- A zippered front pocket is standard.



JE-9433	33" Length.....	\$85.95 each
JE-9436	36" Length.....	\$85.95 each
JE-9439	39" Length.....	\$91.95 each

LABONVILLE KEVLAR CHAPS

- 5-ply Kevlar polyester blend
- Meets all OSHA requirements and are UL Class A classified.
- Outer shell is a 1000 denier Cordura and is proven to be very resistant to snags and tears the brush.
- Adjustable waist band
- Made in the USA.



GREEN		
850KPR-G	Regular - 32" Length	\$71.95 each
850KPL-G	Long - 36" Length.....	\$75.95 each
850KPX-G	X-Long - 40" Length	\$80.95 each
850KP2X-G	2X-Long- 44" Length	\$91.95 each

ORANGE		
850KPR-O	Regular - 32" Length	\$71.95 each
850KPL-O	Long - 36" Length.....	\$75.95 each
850KPX-O	X-Long - 40" Length	\$80.95 each
850KP2X-O	2X-Long- 44" Length	\$91.95 each

ELVEX PROCHAPS™ - 91 SERIES W/ CALF PROTECTION

- Certain work conditions may require extra precaution, with regards to lower leg protection. Elvex ProChaps with wrap-around calf protection provides the solution for these situations.
- This model maintains all basic features of Elvex 94 series chaps, while maximizing lower leg protection.
- The outer shell is made of 1,000 denier Cordura Nylon, designed for durability in severe environments.
- Each leg is secured by a total of three sets of buckles. The wrap-around section, below the knees, is secured by two sets of buckles.



JE-9133	33" Length.....	\$93.95 each
JE-9136	36" Length.....	\$93.95 each
JE-9139	39" Length.....	\$97.95 each
JE-9143	43" Length.....	\$97.95 each

ARBORCHAPS™ ONE SIZE FITS ALL

- Patented asymmetric design for better protection where most injuries occur.
- Elvex famous Prolar protective pads, no compromise on safety
- Universal size, three sets of belt loops allow length adjustment from 33 to 36 inches.
- Easy on, easy off apron style design, with two sets of leg straps and buckles
- Hunter green 420 denier Nylon cover fabric, with attractive black Nylon edging
- Available in one universal size only



JE-8000	Universal Length.....	\$66.95 each
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REPLACEMENT PARTS

JE-BL	Leg Buckles.....	\$1.50 each
JE-BW	Waist Buckles	\$1.95 each

LABONVILLE FULL-WRAP CHAINSAW CHAPS

- 5-ply Kevlar polyester blend
- Meets all OSHA requirements and are UL Class A classified.
- Outer shell is a 1000 denier Cordura and is proven to be very resistant to snags and tears in the brush.
- Adjustable waist band
- Made in the USA.



ORANGE		
W850KPR	Regular - 32" Length	\$78.95 each
W850KPL	Long - 36" Length.....	\$84.95 each
W850KPX	X-Long - 40" Length	\$91.95 each
W850KP2X	2X-Long- 44" Length	\$98.95 each
W850KP3X	3X-Long- 48" Length	\$105.95 each

*Green available by special order



CHAINSAW CHAPS

UL CLASSIFIED 5 PLY WILDLAND/FORESTRY CHAP

Constructed with 3 plies of woven para-aramid and 2 plies of para-aramid felt. Shell front and back is 1000 denier Cordura nylon, urethane coated to prevent penetration of liquids. 2" wide waist belt and 1" wide leg straps of heavy nylon webbing with adjustable quick release nylon buckles. Chap has a four compartment tool pocket with snap closure flap sewn to waist belt. Chaps fit waist sizes from 32" to 46" Measure length from waist down two inches below top of boot to determine proper length to order.



UL Classified to NFPA 1977, Standard on Protective Clothing and Equipment for Wildland Firefighting, ASTM F 1897-08 Standard Specification for Leg Protection for Chain Saw users. This Chainsaw Chap is built in accordance with U.S. Forestry Specification 6170-4F.

SAFETY GREEN

WFG-32	32" Length.....	\$147.95 each
	4+.....	\$141.95 each
WFG-36	36" Length.....	\$158.50 each
	4+.....	\$152.50 each
WFG-40	40" Length.....	\$171.95 each
	4+.....	\$165.95 each

SAFETY ORANGE

WFO-32	32" Length.....	\$147.95 each
	4+.....	\$141.95 each
WFO-36	36" Length.....	\$158.50 each
	4+.....	\$152.50 each
WFO-40	40" Length.....	\$171.95 each
	4+.....	\$165.95 each

ORIGINAL SAW BUCK CHAIN SAW CHAPS

Constructed with 2 plies of woven para-aramid and 2 plies of para-aramid felt. Shell is 1000 denier nylon both front and back, urethane coated to prevent penetration of liquids. 2" wide waist belt and 1" wide leg straps of heavy polypropylene webbing with adjustable quick release Delrin buckles. A 2 compartment tool pocket with snap flap closure is sewn to waist belt. Chaps fit waist sizes 32" to 46". Measure length from waist down to 2" below top of boot to determine proper length to order.



SAFETY GREEN

SBG-28	28" Length.....	\$104.95 each
	4+.....	\$99.95 each
SBG-32	32" Length.....	\$111.95 each
	4+.....	\$106.95 each
SBG-36	36" Length.....	\$119.95 each
	4+.....	\$114.95 each
SBG-40	40" Length.....	\$127.95 each
	4+.....	\$120.95 each

SAFETY ORANGE

SBO-28	28" Length.....	\$104.95 each
	4+.....	\$99.95 each
SBO-32	32" Length.....	\$111.95 each
	4+.....	\$106.95 each
SBO-36	36" Length.....	\$119.95 each
	4+.....	\$114.95 each
SBO-40	40" Length.....	\$127.95 each
	4+.....	\$120.95 each

UL CLASSIFIED SAW BUCK CHAIN SAW CHAPS

Constructed with 2 plies of woven para-aramid and 2 plies of para-aramid felt. Shell is 1000 denier nylon both front and back, urethane coated to prevent penetration of liquids. 2" wide waist belt and 1" wide leg straps of heavy polypropylene webbing with adjustable quick release Delrin buckles. A 2 compartment tool pocket with snap flap closure is sewn to waist belt. Chaps fit waist sizes 32" to 46". Measure length from waist down to 2" below top of boot to determine proper length to order.

Dual UL Classified to ASTM F 1897-04 and ASTM F 1897-08 Standard Specification for Leg Protection for Chain Saw Users.



GREEN

LA32-8015083	32" Length.....	\$101.95 each
LA36-8015083	36" Length.....	\$106.95 each
LA40-8015083	40" Length.....	\$115.95 each

ORANGE

LA32-8015182	32" Length.....	\$101.95 each
LA36-8015182	36" Length.....	\$106.95 each
LA40-8015182	40" Length.....	\$115.95 each

CHAINSAW CHAPS



TILTON TOTAL CHAIN SAW CHAPS

These safety orange chain saw chaps offer lightweight and comfortable leg protection from chainsaws. Easy to put on and remove, with Delrin quick-release buckles and smooth web straps that are easy to adjust. The PVC-coated polyester shell is water resistant and resists snagging in underbrush. The unique dual-height waistband allows adjustment for two different leg lengths. Protective material consists of a five layer pad including polyester, polypropylene and aramid nylon blended fabric. The protective material is designed to give the wearer added reaction time should a moving chain come in contact with the chaps. The pads are approximately 14-1/4" wide and cover the front and sides of the legs. Protective pad overall length is approximately 30". 100% polyester lining. UL-classified leg protective garment in accordance with ANSI ASTM F1897 standard specification for leg protection for chain saw users (2008) 9F92 OR 8F67.



TSC One Size Fits Most (waist up to 50") \$48.95 each

TILTON TOTAL FULL WRAP CHAIN SAW CHAPS

For added protection, the lower portion is designed to completely encircle the calf and lower leg below the knee. The lower protective pad area is approx. 21" wide x 13.5" high and is secured by three straps for a sure fit. Protective pad overall length is approx. 30". Features a dual-height waistband for leg length adjustment and a tool pocket with an overlapping flap and snap closure to keep out debris. Durable Delrin® quick-release buckles allow quick on and off and the smooth web straps are easy to adjust. The PVC-coated shell is water resistant and also resists snagging in underbrush. Protective material consists of a five layer pad. UL-classified leg protective garment in accordance with ANSI ASTM F1897 standard specification for leg protection for chain saw users (2008) 9F92 OR 8F67.



TSCW One Size Fits Most \$65.00 each

How Chaps Protect the Sawyer

Chain saw chaps protect the saw operator by slowing and stopping the chain. Fibers of the protective pad are pulled into the saw's drive sprocket, jamming the saw. New chaps are designed to protect the operator's legs from saws with chain speeds of up to 3,200 feet per minute. Earlier designs did not provide protection at such high chain speeds.

Chain saw operators need to wear chaps long enough to reach at least 2 inches below the boot tops. The waist and leg straps should be adjusted for a snug fit that will keep the chaps positioned correctly on the legs. Always use these chaps in conjunction with all other required personal protective equipment (PPE). Most protective properties of the chaps cannot be tested by users in the field.

Inspection and Retirement

Inspect the chaps frequently and retire them from use when appropriate. Retire chain saw chaps when:

- The outer shell has numerous holes and cuts. Holes allow bar oil to contaminate the Kevlar pad. The oil acts as an adhesive, reducing the level of protection.
- Wood chips and sawdust are evident inside the layers at the bottom of the chaps.
- Improper repairs have been made, such as patch jobs that stitched through the Kevlar pad. Machine or hand stitching the pad prevents the fibers from moving, lowering the level of cut-through protection.
- Chaps have been improperly cleaned. Using detergents with bleach additives decreases the level of cut-through protection. High-pressure washing destroys the pad.
- The first layer of yellow Kevlar has a cut that is longer than 1 inch

~Courtesy of FS.FED.US Publications

CHAINSAW PROTECTIVE CLOTHING

BOOTS/SHIRTS

SWEDEPRO™ CHAINSAW PROTECTIVE BOOTS

- Lined with soft cowhide gloved leather
- Full top grain leather over entire upper
- Proven with 7 years of field testing by Soren Eriksson
- Multi-layers of specially woven Kevlar®
- High 10" designed to give maximum ankle support
- Triple stitched for longer wear
- Specially designed lace to toe style for rugged outdoors use
- Meets ANSI standard Z41PT83 for steel toes
- Available with high abrasion "Vibram® Marathon" and Calk soles (Spiked)
- 3" steel shank for extra support
- Goodyear® Welt construction
- Paron 4000® Cushion insole material



305070	Size 7.....	\$260.00 each
305080	Size 8.....	\$260.00 each
305085	Size 8.5.....	\$260.00 each
305090	Size 9.....	\$260.00 each
305095	Size 9.5.....	\$260.00 each
305000	Size 10.....	\$260.00 each
305005	Size 10.5.....	\$260.00 each
305010	Size 11.....	\$260.00 each
305015	Size 11.5.....	\$260.00 each
305012	Size 12.....	\$260.00 each
305013	Size 13.....	\$260.00 each

LABONVILLE KEVLAR CHAINSAW BOOTS

This 8" low heel, 2 layer, Kevlar/Poly Chainsaw safety Redwood boot has a padded collar, top grained oiled leather, rivet reinforced, and a safety freedom box toe with scuff resistant black smooth tip. It is Cambrelle lined, foam lined, with speed lace grommets (machined brass studs). Other features include: Matterhorn 1 pc. Lug sole; heel-to-heel steel shank, full cushion, Paron 4000 insole new security stitched soles for extra durability, comfort insole, rear pull loop. EH rated (Electrical Hazard Protection). Made in the USA.



Available Sizes:
7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 12, 13. (EE Width Only.)
24127-SZ \$237.95 pair

LABONVILLE KEVLAR CHAINSAW BOOTS -HIGH HEEL STYLE

Same as above – new "Pole Climber" right and left steel shanks.
24128-SZ \$242.95 pair

ELVEX PROVEST II™

Elvex ProVest II™ is the first genuine chain saw resistant upper body protection. It is intended to offer limited protection from chain saw kick back injuries. Great for arborists, landscapers and utility company employees.



- Patented prolar protection is provided on the shoulders and the front of the chest. The water-resistant sleeveless jacket has extended shoulders and large front and back vents. A longer back panel helps repel water and debris.
- High visibility orange top with blue bottom makes an attractive looking product. The vest is made from 420 denier Nylon with an inside zippered pocket

JE-70SM	Small, 36" – 38".....	\$69.95 each
JE-70M	Medium, 38" – 42".....	\$69.95 each
JE-70L	Large, 42" – 46".....	\$69.95 each
JE-70XL	X Large, 46" – 52".....	\$69.95 each

SWEDEPRO CHAINSAW PROTECTIVE SHIRT

The top of the SwedePro Chainsaw Protective Shirt is made with breathable Polyester material for flexibility and the body is made with Polyester mesh for breathability and comfort. The protective pad is made with Engtex® material. It also has protective material sewn into the sleeve, collar and shoulder areas. High visibility international orange color for safety.



170030	Small.....	\$86.00 each
170034	Medium.....	\$86.00 each
170038	Large.....	\$86.00 each
170042	X-Large.....	\$86.00 each
170044	2X-Large.....	\$86.00 each
170048	3X-Large.....	\$86.00 each



CALL OUR FRIENDLY AND KNOWLEDGEABLE SALES CONSULTANTS FOR ANSWERS TO ANY QUESTIONS YOU MAY HAVE:

1-800-592-6940



SAW CHAIN

CHAINSAW CHAIN - 3/8 PITCH

OREGON® SUPER 70 CHISEL SAW CHAIN – 3/8 PITCH, .050 GAUGE



Part #	Description	DL	Bar Size	1-9	10+	30+	File
72LP	Round Ground, Chisel, Standard	100'	-	\$329.95	N/A	N/A	7/32
72LP-72G	Round Ground, Chisel, Standard	72 DL	20"	\$18.95	\$15.85	\$14.40	7/32

OREGON® SUPER GUARD® CHAINS - 3/8 PITCH, .050 GAUGE

Part #	Description	Size	Bar Size	1-9	File
72JGX-72G	Round-Ground Full Chisel, Skip Tooth	72 DL	20"	\$18.95	7/32
72JGX-84DL	Round-Ground Full Chisel, Skip Tooth	84 DL	24"	\$21.95	7/32
72JGX-91DL	Round-Ground Full Chisel, Skip Tooth	91 DL	28"	\$22.95	7/32
72JGX-92DL	Round-Ground Full Chisel, Skip Tooth	92 DL	28"	\$23.00	7/32
72JGX-93DL	Round-Ground Full Chisel, Skip Tooth	93 DL	28"	\$23.25	7/32
72JGX-105DL	Round-Ground Full Chisel, Skip Tooth	105 DL	32"	\$26.25	7/32
72JGX-114DL	Round-Ground Full Chisel, Skip Tooth	114 DL	36"	\$28.50	7/32
72LG-84G	Round Ground, Standard	84 DL	24"	\$21.95	7/32
72JG	Round Ground, Skip Tooth	100'	-	\$329.95	7/32



OREGON® 91VG SAW CHAIN - 3/8 PITCH, .050 GAUGE



Part #	Description	Size	Bar Size	1-9	File
91VG-50	Chamfer Chisel, Standard	50 DL	14"	\$12.50	5/32
91VG-55E	Chamfer Chisel, Standard	55 DL	16"	\$13.75	5/32
91VG-56E	Chamfer Chisel, Standard	56 DL	16"	\$14.00	5/32
91VG-62E	Chamfer Chisel, Standard	62 DL	18"	\$15.50	5/32
91VG-100R	Chamfer Chisel, Standard	100'	-	\$329.95	5/32

CARLTON® A1LM CHISEL CHAIN - 3/8 PITCH, .050 GAUGE

Magna Chisel cutting chain. Single drag for better cutting performance. Stays sharp under the most severe cutting conditions. Easily maintained with a standard 7/32" round chain saw file.



- A1LM-72E 72 Drive Links, for 20" Bars\$14.95 each
- A1LM-84E 84 Drive Links for 24" Bars\$17.95 each
- A1LM-100R 100' Roll\$299.95 each

POLE SAW/POLE PRUNER CHAIN – 3/8 PITCH

OREGON® 90PX SAW CHAIN – 3/8 PITCH, .045 GAUGE

- 90PX-34 Loop, 34 Drive Links for 8" Bars\$10.95 each
- 90PX-44G Loop, 44 Drive Links for 12" Bars\$12.95 each
- 90PX-50G Loop, 50 Drive Links for 14" Bars\$14.50 each



SAW CHAIN



CARLTON POLE PRUNER LOOPS – 3/8 PITCH, .043 GAUGE

- Drive Links: 44
- Cutter Style: Semi-Chisel, Safety

N4C-44E For 12" Bars.....\$12.95 each



OREGON® MICRO-LITE™ 90SG LOOPS – 3/8 PITCH, .043 GAUGE

90SG-44E Loop, 44 Drive Links.....\$12.95 each
 90SG-45DL Loop, 45 Drive Links.....\$13.05 each
 90SG-50G Loop, 50 Drive Links.....\$14.50 each
 90SG-55E Loop, 55 Drive Links.....\$15.95 each



CHAINSAW CHAIN - .325 PITCH

OREGON® SUPER 20 CHAINSAW CHAIN - .325 PITCH, .050 GAUGE

20LP-62DL Loop – 62 Drive Links, Full Sequence, .050 Gauge \$15.50 each
 20LP-66DL Loop – 66 Drive Links, Full Sequence, .050 Gauge \$16.50 each
 20LP-67DL Loop – 67 Drive Links, Full Sequence, .050 Gauge \$16.75 each
 20LP-68G Loop – 68 Drive Links, Full Sequence, .050 Gauge \$17.00 each
 20LP-72DL Loop – 72 Drive Links, Full Sequence, .050 Gauge \$18.00 each
 20LP-74G Loop – 74 Drive Links, Full Sequence, .050 Gauge \$18.50 each
 22LP-68DL Loop – 68 Drive Links, Full Sequence, .063 Gauge \$17.00 each
 22LP-81DL Loop – 81 Drive Links, Full Sequence, .063 Gauge \$20.25 each



HARVESTER CHAIN

OREGON® 18HX HARVESTER CHAIN - .404 PITCH, .080 GAUGE

18H 100' Roll \$389.95 each
 18H-70DL Loop – 70 Drive Links \$23.80 each
 18H-86DL Loop – 86 Drive Links \$29.24 each
 18H-87DL Loop – 87 Drive Links \$29.95 each
 18H-101DL Loop – 101 Drive Links \$35.35 each



CARLTON® B8HC HARVESTER CHAIN - .404 PITCH, .080 GAUGE

B8HC-100RSK 100' Roll, Skip Tooth \$399.95 each
 B8HC-100RW 100' Roll, Full Sequence \$399.95 each

OREGON® 11H SEMI-CHISEL HARVESTER CHAIN – 3/4 PITCH

11H-50R 50' Roll \$379.95 each
 11H-56DL Loop – 56 Drive Links \$48.75 each
 11H-60DL Loop – 60 Drive Links \$52.20 each
 11H-65DL Loop – 65 Drive Links \$56.55 each
 11H-66DL Loop – 66 Drive Links \$57.42 each
 11H-67DL Loop – 67 Drive Links \$58.29 each
 11H-89DL Loop – 89 Drive Links \$77.43 each
 11H-90DL Loop – 90 Drive Links \$78.30 each
 11H-96DL Loop – 96 Drive Links \$83.52 each



OREGON® 11BC HARVESTER CHAIN (CHIPPER) – 3/4 PITCH

11BC-50R 50' Roll \$489.95 each



CARLTON® G7SP HARVESTER CHAIN – CHIPPER STANDARD, 3/4 PITCH

G7SP-50R 50' Roll \$349.95 each
 G7SP-52E Loop – 52 Drive Links \$43.16 each
 G7SP-55E Loop – 55 Drive Links \$45.65 each
 G7SP-57E Loop – 57 Drive Links \$47.31 each
 G7SP-60E Loop – 60 Drive Links \$49.80 each
 G7SP-61E Loop – 61 Drive Links \$50.63 each
 G7SP-66E Loop – 66 Drive Links \$54.78 each
 G7SP-68E Loop – 68 Drive Links \$56.44 each
 G7SP-96E Loop – 96 Drive Links \$79.68 each





CHAINSAW BARS

OREGON® ARMOR TIP PLUS HARDNOSE BARS

- Solid-nose, solid body bars for professional users working in dirty or abrasive conditions.
- Ultra-high-strength stellite alloy is laser welded to the nose for long bar life
- Lubri-Dam® oil-retaining feature prevents oil from running out the bar's tail, keeps more oil on the bar and chain*
- Lubri Jet® oil holes reduce oil-hole plugging and enhance bar-chain lubrication*
- Laser welding provides the optimum satellite bond without weakening the bar body, as can occur with gas welding
- Super-tough chrome-moly steel provides superior bar-body strength and tough rails with excellent resistance to wear and chipping



* Lubri-Dam® and Lubri Jet® oiling features may not be a standard feature on certain bars depending on the date of manufacture of bar type.

Laser Weld - 3/8" Pitch, .050 Gauge

Part #	Saw Brand	Length	DL	1-2	3-5	6+
140GPEA041	Poulan	14"	52	\$27.95	N/A	N/A
160GPEA041	Poulan	16"	56	\$30.50	N/A	N/A
160ATMD025	Stihl	16"	60	\$43.50	\$42.05	\$40.50
180ATMD025	Stihl	18"	66	\$45.75	\$44.10	\$42.50
200ATMD025	Stihl	20"	72	\$50.25	\$48.50	\$46.65
240ATMD025	Stihl	24"	84	\$56.60	\$54.60	\$52.60
160ATMD009	Husky	16"	60	\$43.50	\$42.05	\$40.50
180ATMD009	Husky	18"	68	\$45.75	\$44.10	\$42.50
200ATMD009	Husky	20"	72	\$50.25	\$48.50	\$46.65
200ATMK095	Husky	20"	72	\$50.25	\$48.50	\$46.65
240ATMD009	Husky	24"	84	\$56.60	\$54.60	\$52.60

OREGON POWER MATCH® PLUS ROLLERNOSE BARS

The industry standard for professional users cutting clean wood.

- Nose fastens with a single rivet, and is securely held by wide, strong, overlapping ears
- Lubri-Dam® oil-retaining feature prevents oil from running out the bar's tail, keeps more oil on the bar and chain*
- Lubri Jet® oil holes reduce oil-hole plugging and enhance bar-chain lubrication*
- Super-tough chrome-moly steel provides superior bar-body strength and tough rails with excellent resistance to wear and chipping



* Lubri-Dam® and Lubri Jet® oiling features may not be a standard feature on certain bars depending on the date of manufacture of bar type.

3/8" Pitch, .050 Gauge

Part #	Saw Brand	Length	DL	1-2	3-5	6+
160RNDD025	Stihl	16"	60	\$41.50	\$40.00	\$38.50
180RNDD025	Stihl	18"	66	\$43.65	\$42.05	\$40.50
200RNDD025	Stihl	20"	72	\$47.95	\$46.25	\$44.50
240RNDD025	Stihl	24"	84	\$60.95	\$56.65	\$54.60
280RNDD025	Stihl	28"	91	\$67.65	\$65.25	\$62.75
160RNDD009	Husky	16"	60	\$41.50	\$40.00	\$38.50
180RNDD009	Husky	18"	68	\$43.65	\$42.05	\$40.50
200RNDD009	Husky	20"	72	\$47.95	\$46.25	\$44.50
240RNDD009	Husky	24"	84	\$60.95	\$56.65	\$54.60
280RNDD009	Husky	28"	91	\$67.65	\$65.25	\$62.75
200RNDD176	Poulan	20"	72	\$47.95	\$46.25	\$44.50

OTHER BARS & BLADES

OREGON® 12" MICRO-LITE DOUBLE GUARD POWER PRUNER BAR

This bar features Oregon's Micro-Lite narrow-kerf cutting system which increases cutting efficiency and requires less power from the saw than standard cutting systems. To obtain all the advantages of the Micro-Lite feature use with narrow-kerf .043" 90 series chain.

- .043" Gauge
- 3/8" Low Pro Pitch
- 9 Tooth Count
- Bar Mount used on Stihl, Olympek, Oleo-Mac saws
- Narrow-kerf sprocket-nose



124MLEA074 12", 3/8" Pitch, .043 Gauge..... \$17.50 each

SOLID HARVESTER SPROCKET NOSE BARS

- Pitch .404"
- Gauge 0.080" (2.0mm)
- Drive Sprocket Tooth Count 11, 12, 13



Part Number	Brand	Model	Size	Price
752HSFL205	Oregon	Bell	75cm	\$89.95
FB752HSFL205	Frostbite	Bell	75cm	\$79.95
902HSFL205	Oregon	Bell	90cm	\$96.95
FB902HSFL205	Frostbite	Bell	90cm	\$89.95
752HSFL003	Oregon	Propac	67cm	\$89.95
752HSFL114	Oregon	Denarco	75cm	\$89.95
902HSFL114	Oregon	Denarco	90cm	\$96.95

QUADCO MULCHING TEETH – BRUSH CUTTING TEETH

Tougher, more sustainable mower teeth to withstand harsh elements. Available for all popular applications, these teeth perform well in even the toughest conditions. With a QUAD TOOTH, your machine will perform like more horsepower has been added because less cutting effort is required. Less cutting effort equals fuel savings and less wear on the machine. Quadco standard factory tips are all one-piece. In addition, Quadco has designed a holder that has replaceable teeth and in some instances, rotatable teeth for reduced cost and longer life.



Ask us about upgrading your complete drum. Increase your productivity and decrease your operating costs. Drums available for most popular forestry mulchers. Call for more information.

Part Number	Description	Price
Q11290X2	Tooth for Fecon Brush Cutters	\$79.78
Q11231	Sleeve for P/N Q11290X2	\$6.95
Q0NLW12	Nor-Lock Washer 3/4" for Q11290X2	\$9.95
Q02121672	Bolt for P/N Q11290X2, 3/4" x 16" x 4-1/2"	\$5.95



**Full Line of Quadco
Cutting Teeth Available*

SLASHER AND DELIMBER BARS

CSP Part #	Oregon Part #	Make	Model	Nose	Length	DL	Price
34HN-CTR	341ATVT133	CTR-2009	Delimber 400, 450, 500	H/N	34"	56	\$416.85
34CTRSN	341SNCT133	CTR	Delimber 400, 450, 500	S/N	34"	56	\$324.95
34H208S	-	CTR	400 (2003 and after)	S/N	34"	56	\$324.95
N/A	351SNCT219	Waratah	HTH 623C	S/N	35"	56	\$380.95
36CTRSN	361SNCT133	CTR-2004 and before	Delimber 450, 500, 550	S/N	36"	59	\$375.00
40CTRSN	-	CTR – 2004	Delimber 400, 450, 500	S/N	40"	67	\$395.00
58H136D	581DEB9136	CTR – 10/2011	Slasher Double-End	D/E	58"	89	\$375.00
58CTRW-42IP	581UEB9155	CTR	Slasher 42-IP	U/E	58"	96	\$395.95
66H155U	661UEB9155	CTR – 8/2011	Slasher 50-IP	U/E	66"	106	\$487.50
CSI-34	-	CSI – 2007	PTD-143, PTD-243	H/N	34"	56	\$299.95
37SNCSI	371SNCT190	CSI	PTD-143, PTD-243	S/N	37"	60	\$395.00
43H190S	431SNCT190	CSI	Ultra PTD-246, PTD-143, PTD-243, PTD-264	S/N	43"	66	\$395.95
59H191U	591UED9191	CSI	DL-4400 Slasher	U/E	59"	96	\$449.95
58FECDE	581DEC9135	Hudson/FEC – 2009	Slasher Double-End	D/E	58"	91	\$349.95
65H135D	651DEC9135	Hudson/FEC	Slasher Double-End	D/E	65"	106	\$469.95
40H138S	401SNCT138	Hultdin – 2005	Supercut 300, 350	S/N	40"	60	\$395.95
60H137M	-	L & M – 2008	Deck Saws	D/E	60"	-	\$429.95
72H137M	-	L & M – 2009	Deck Saws	D/E	72"	-	\$499.95
43H161S	431SNCT161	Pierce Pacific – 2006	HSD 3345, 3348, PMD 3348	S/N	43"	65	\$395.95
58H178D	581DEB9178	Riley	BCL-43, HG 6600, HG 3500	D/E	58"	96	\$395.95
34TIMSN	341SNCT043	Timbco – 2004	34" Saw Head	S/N	34"	55	\$324.95
38TIMSN	381SNCT043	Timbco – 2/2011	38" Saw Head	S/N	38"	60	\$335.95
34H134S	341SNCT134	Timberline -2008	ST 3510, ST 3520, ST 3530	S/N	34"	54	\$324.95
32H622S	-	Waratah – 2008	HTH 622	S/N	32"	50	\$319.95
34H151S	341SNCT151	Waratah	D230, D240, D250, DS260	S/N	34"	56	\$324.95
36H146S	361SNCT146	Waratah	HTH 24	S/N	36"	57	\$339.95
44H210S	441SNCT210	CTR	426, 320	S/N	44"	66	\$395.00
58H207U	581UEAP207	Riley	4300C Slasher	U/E	58"	96	\$425.00
38H146S	381SNCT146	Waratah	HTH 624	S/N	38"	60	\$349.95
38H208S	-	CTR	550 (2004 & After)	S/N	38"	61	\$324.95
38H221S	381SNCT221	Riley	4800C	S/N	38"	61	\$350.00

3/4 PITCH REPLACEMENT SPROCKET NOSES

40603	Oregon Brand	\$79.95 each
40603T	CSP Brand	\$69.95 each
400635	(OEM) 3/4 Pitch Sprocket Nose	\$106.38 each
41796	Replacement Rivets	\$8.95 per pack of 25



CHAINSAW SHARPENING SUPPLIES

OREGON CHAINSAW FILES

Stock Number	Size	1-5 Dozen	6+ Dozen
70502	7/32"	\$19.75	\$16.50
70503	3/16"	\$19.75	\$16.50
70504	5/32"	\$19.75	\$16.50
70505	13/64"	\$19.75	\$16.50
70511	4.5 mm	\$19.75	\$16.50



OREGON 5/16" ROUND FILES FOR 11H/ 11BC CHAIN

90410 Box of 6 \$16.50 each



TIMBER TUFF UPRIGHT BENCH MOUNT ELECTRIC CHAINSAW CHAIN SHARPENER

- Motor: 110 V/60 Hz
- Motor input power: 230 Watt
- Maximum speed: 3600 rpm
- Includes: Thermo overload protection
- Work Light: 15 watt
- Includes: 3 grinding wheels sizes 1/8", 3/16", 1/4"



CS-BWM \$152.99 each

CSP BRAND CHAINSAW FILES

- High quality, Swiss made files
- Same pattern as Oregon Chain Saw Files
- Packed one dozen per box

Stock Number	Size	1-5 Dozen	6+ Dozen
732-CSP	7/32"	\$13.75	\$11.95
316-CSP	3/16"	\$13.75	\$11.95
532-CSP	5/32"	\$13.75	\$11.95
1364-CSP	13/64"	\$13.75	\$11.95

EFCO® BENCH GRINDER WHEELS

These high-quality grinding wheels resist burning of the cutters and leave a precision finish.



P/N	Width	For Chain Sizes	Price
EFFL66	3mm	1/4", 3/8" EP, .325	\$16.50
EFFL64	4.7mm	3/8", .404	\$16.25
EFFL65	7mm	3/4" and depth gauges	\$26.95

WOODEN CHAINSAW FILE HANDLES



OR-30870 Oregon \$2.25 each

PFERD CHAIN SHARP

PFERD Chain Sharps are now offered in three sizes. The professional models are available with either a 7/32" or 3/16" diameter chain saw file and both come with a flat depth gauge file. Both are 8" long. These professional models can also be used with a 1' x 13/64" chain saw file.



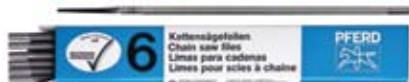
17062 3/16" \$32.75 each
 17049 7/32" \$32.95 each

PFERD LOW PROFILE CHAIN SHARP®

The low profile Chain Sharp has a 5/32" diameter sharpening file and a depth gauge file. 8" length. This model is not suited for other file diameters.

17050 5/32" \$32.95 each

PFERD FILES



PFD17038 3/16" \$21.50/Dozen
 PFD17039 7/32" \$21.50/Dozen
 PFD17047 5/32" \$21.50/Dozen

ANVILS



EFFL29 EFCO® "A" Anvil for 3/8", .404 and 1/2" Chain \$5.95 each
 25049T Anvil for 3/4 Pitch Chain – CSP Brand \$29.95 each

TECOMEC® JOLLY STAR CHAIN GRINDER

Easy to adjust and use, with a self-centering chain vise that provides equal and consistent grind angles without additional adjustment. The Jolly Star has clearly marked guides for fast and easy set-up. It will grind virtually all chain types and sizes - from 1/4" to 3/4" pitch. Comes complete with grinding wheels for chain pitches up to .404" and depth gauges, a wheel gauge, hex wrenches and a dressing brick. UL-listed. New design self-centering chain vise includes rollers for easier chain advancement. The handle is adjustable and can be set for optimum location. The vise angle is fast and easy to set via a knob directly underneath. This vise accepts all chain pitches up to 3/4".



- Direct drive
 - 120v / 60 Hz / 300W motor
 - Double-coil motor arm torsion spring
 - Tilting-vise allows setting of vertical (down) angle for chisel cutters.
 - Down angle grind head adjustment
 - Cutter length adjustment
 - Built-in lamp
- 11369001 \$375.00 each

CHAIN BREAKERS & CHAIN CONNECTORS

POCKET CHAIN BREAKER

- Easy to use
- Breaks 1/4", .325", 3/8", .404" and 1/2" pitch chains
- Anvil sold separately.



CB1000 Pocket Chain Breaker w/ Punch\$21.95 each

OREGON® DURA MAX™ HEAVY DUTY CHAIN BREAKER

Multi-purpose chain breaker breaks any kind of saw chain, even 3/4i pitch harvester chains. Can also be used to drive out bar-nose rivets. Includes punch for all chain pitches.



24548SI\$179.95 each

OREGON® DURA MAX™ HEAVY DUTY RIVET SPINNER

The heavyweight champion of hand-operated rivet spinners. Designed to meet all rivet-spinning needs. Spins all chain rivets up to .404" pitch, and adapts easily for spinning 3/4" rivets when used with the 3/4"-pitch adapter kit (sold separately – call for details).



24549SI\$179.95 each

EFCO® BENCH-MODEL CHAIN BREAKER

- Professional shop model
- Smooth cam action
- Specially designed for optimum leverage
- Includes attachment for replaceable bar nose
- Complete with punch and anvil for all chain sizes



EFFL20\$75.95 each

EFFL-22 Replacement Punch.....\$6.50 each

* Parts Available

TIE STRAPS & PRESETS

P107539 Oregon Tie Strap, 11H, 25 /pk.....\$13.25 per pack
 P107540 Oregon Presets, 11H or 11BC, 25 /pk\$24.25 per pack

43202 Carlton Tie Straps, 3/4 chain, 25 /pk.....\$13.95 per pack
 43203 Carlton Presets, 3/4 chain, 25 /pk.....\$19.95 per pack

P107541 Left Hand Cutting Teeth, 11H, 25 /pk..\$42.50 per pack
 P107542 Right Hand Cutting Teeth, 11H, 25/pk.....\$42.50 per pack

P23843 Oregon Tie Strap, .325 chain, 25 /pk \$9.95 per pack
 P31939 Oregon Presets, .325 chain, 25 /pk\$13.75 per pack

P23837 Oregon Tie Strap, 3/8 chain, 25 /pk.\$14.95 per pack
 P23910 Oregon Presets, 3/8 chain, 25 /pk.....\$13.95 per pack

P37263 Oregon Tie Strap, 18H chain, 25 /pk.....\$13.25 per pack
 P37641 Oregon Presets, 18H chain, 25 /pk.....\$13.25 per pack

EFCO® HAND RIVET SPINNER

- Built-in thrust bearing for low friction
- Chain guides are height adjustable for easy centering of rivet
- Includes "A" anvil (for 3/8", .404" & 1/2" chain)
- Includes "B" anvil (for 1/4" & .325" chain)



EFFL25\$66.95 each

* Parts Available

WEDGES, DOUBLE TAPERED

- Non-grip barbs
- Resists chipping and breaking
- Orange plastic
- Available in 3 lengths



NPP-55 5-1/2" Wedge\$4.95 each

NPP-75 7-1/2" Wedge\$8.95 each

NPP-105 10-1/2" Wedge\$11.50 each

CHAINSAW ACCESSORIES

BOSCH CHAINSAW SPARK PLUGS



WS7F For Husqvarna (1-11)\$3.50 each
 12+\$3.15 each

WSR6F For Stihl (1-11).....\$3.50 each
 12+\$3.15 each

CRANKING ROPE FOR CHAINSAWS

RP41/2H 9/64 – 200' Roll\$19.25 each

RP5H 5/32 – 200' Roll\$22.25 each

RP51/2H 11/64 – 200' Roll\$24.25 each

LOGGING SUPPLIES & EQUIPMENT

WINCH LINE CABLE WITH FERRULE

Steel cable with Ferrule. 636

- 1-100-636SF 1" x 100' Call for Current Price
- 1-125-636SF 1" x 125' Call for Current Price
- 1-75-636SF 1" x 75' Call for Current Price



ALLOY TAIL CHAINS

- Made from Alloy chain and used with wire rope when wrapping is required to lift, pull or skid
- Special hook is designed to minimize fraying of wire rope to which it is attached
- Proof tested



P/N	Size	Length	Working Load Limit	Price
2011295	3/4"	18"	23,000 lbs	\$198.95
2011495	7/8"	24"	34,200 lbs	\$239.95
2011695	1"	24"	38,700 lbs	\$279.95

DEBARKING FLAIL CHAIN

10B21 Carbon Steel, .656 Diameter



- T0213458 8 Link, 250/Drum..... \$9.50 each
- T0213459 9 Link, 200/Drum.....\$10.75 each

24" X 24" DIAMOND COROPLAST WARNING SIGNS



- 10021 Log Trucks Entering Highway\$14.95 each
- 10083 Caution Mud On Road\$14.95 each
- 2424-LOA Logging Operation Ahead\$14.95 each

PRO-TEC-TO WRAP®

Pro-Tec-To Wrap® for bundling hoses. Heavy Wall High Density Spiral Hose Wrap offers crush and abrasion protection. Black

Part Number	ID	Wall Thickness	Price Per Foot	Price Per Roll
93050	1/2"	.075-.085"	\$1.92	\$163.20 per 100' Roll
93063	5/8"	.090-.10"	\$2.40	\$204.00 per 100' Roll
93075	3/4"	.110-.125"	\$2.48	\$210.80 per 100' Roll
93100	1"	.120-.135"	\$2.95	\$250.75 per 100' Roll
93125	1-1/4"	.130-.145"	\$3.78	\$321.30 per 100' Roll
93150	1-1/2"	.145-.160"	\$4.58	\$389.30 per 100' Roll
93200	2"	.160-.180"	\$6.50	\$276.25 per 50' Roll
93250	2-1/2"	.190-.210"	\$8.46	\$359.55 per 50' Roll
93300	3"	.210-.230"	\$10.42	\$442.85 per 50' Roll
93350	3-1/2"	.230-.250"	N/A	\$389.98 per 50' Roll
93400	4"	.220-.260"	N/A	\$320.50 per 50' Roll
93500	5"	.240-.280"	N/A	\$381.50 per 50' Roll
93600	6"	.260-.300"	N/A	\$337.50 per 50' Roll



*Blue, Yellow, Orange, Green, Red, Gray & Brownish Yellow available by Special Order – by the roll only. Call to order.

DELIMBINATOR CHAIN – FLAIL CHAIN

- .630 Diameter
- 10B21 Carbon Steel
- 80 per Drum



- T0213358 8 Link \$8.95 each
- T0213363 13 Link.....\$13.95 each

DELIMBINATOR RODS

Delimitator Rods for flail chain



- DELIMBINATOR-ROD\$99.95 each

FROSTBITE GRAPPLE

Move logs, haul brush, load your sawmill or firewood processor or load logs on your trailer or truck. For tractors 25 HP and up. Ten bronze bushings for durability. 50 % stronger structure. Powder painted. Comes with a 5 year warranty.



- GRAPPLE \$1,695.00 each

FOX FIRE LOGGER LITES

Designed to provide Log Truckers and Utility Companies with a convenient way to mark the end of their log and pole loads. Consists of a FoxFire Lite, a galvanized metal mounting plate, and a custom T-handled tool. Quickly mounts to the end of your load for maximum safety and visibility. When not in use, the Logger Lite Kit stays together and is easy to store.



- FLL-A Amber\$42.95 each
- FLL-R Red.....\$42.95 each

LOGGING OILS & FLUIDS/MULTI-TOOL

MYSTIK RED MULTI-PURPOSE HIGH TEMPERATURE GREASE

- 14 oz. Tubes – 10 per case
- 100-JT-6.....\$3.75 each



TRACTOR HYDRAULIC FLUID

- 5 Gallon Plastic Bucket
- 100-TH\$36.50 each



TRUSOUTH BAR AND CHAIN OIL

- High Tac Formula
 - 1 Gallon Plastic Jugs – 6 per case
- 100-BC.....\$10.95 each



PURE GUARD PREMIUM ENGINE OIL

- 8 oz. Plastic Bottles – 24 per case
- 100-2CO\$1.50 each



LUBSOIL PREMIUM HYDRAULIC FLUID

Formulated with ultra-premium synthetic base stock and the latest technological advances in fluid additives. The additive systems in this LUBSOIL synthetic formulation promotes superior thermal stability and low temperature fluidity, as well as excellent protection against wear, rust, oxidation, and extreme pressure.



- AW68 5 Gallon Bucket\$43.95 per bucket

DIESEL EXHAUST FLUID

- 2.5 Gallon Jugs – Case of 2
- 100-DEF..... \$25.75 per case

SHELL ROTELLA® 15/40 OIL

Formulated with ultra-premium synthetic base stock and the latest technological advances in fluid additives. The additive systems in this LUBSOIL synthetic formulation promotes superior thermal stability and low temperature fluidity, as well as excellent protection against wear, rust, oxidation, and extreme pressure.



- 100-ROTELLA 1 Gallon Jug.....\$21.50 per jug
 100-ROTELLA-5 5 Gallon Bucket\$79.95 per bucket

TRUFUEL 50

The perfect fuel for all 2-cycle, air cooled engines requiring a 50:1 or 40:1 mix. Premixed & ready to use gasoline formulated with synthetic oil, a fuel stabilizer, and ethanol-free gasoline.



- 50FUEL 32 oz Can - 50:1 mix.....\$5.95 per can
 40FUEL 32 oz Can - 40:1 mix.....\$5.95 per can

WEDCO TWO-IN-ONE MIX GAS/BAR OIL CONTAINER

wedco Built tough with high-density polyethylene for unlimited uses. Store two-cycle gas/oil mix in one side and chain bar oil in the other side. Features a reversible flex spout with flame arrestor and filtering screen plus a screw-on vent cap for positive seal. UL® classified, MA Fire Marshall approved and C.S.A. approved.



- W150 1.5 Gallon..... \$42.95 each

*Other Sizes and Colors of Cans Available

TOPSAW TOOL

TopSaw Pocket Tool works on all major brands of chainsaws, cut off saws, fire and rescue saws and more. It is 12 tools in 1. Work on your saw at or away from your truck. Anything you break in the field that can be fixed in the field, you can do it with TopSaw. Tighten chain, replace spark plugs, put on a new chain, clean your bar groove, air filter or even replace a recoil rope on site.

TopSaw contains: Reversible 19mm x 10 mm and 21mm x 16mm interchangeable sockets, 13mm fixed socket, T27 and T25 Torx, 4mm Hex ball drive, large and small screwdriver, bar groove clean out tool, and when folded up can be used as a chainsaw file handle. All in a heavy nylon pouch.

- TSPWP..... \$19.95 each





TRUCK & ATV/UTV ACCESSORIES

OUTDOOR GEAR

THE TRI-FOLD LITE

A Tri-fold ramp has one huge advantage - it can be folded and conveniently stored between the wheels of a four wheeler. The 50697 has been the workhorse of the Great Day line for a long time. It is ideal for ATV's and lawnmowers.



- 48" x 69" open
- 16" x 69" x 6.75" folded
- Rungs/Panel: 9
- Rung Length: 14.5"
- Rung Spacing: 7"
- Weight: 29 lbs.
- Capacity: 1500 lbs.

LL50697 \$220.00 each

THE TRI-FOLD LONG

Sometimes the height of a truck bed calls for a longer ramp to insure safe and smooth loading. The 46827 is the perfect ramp for "high rollers". Folds compactly for easy storage.



- 46" x 82" open
- 15" x 82" x 6.75" folded
- Rungs/Panel: 11
- Rung Length: 13"
- Rung Spacing: 7"
- Weight: 33 lbs.
- Capacity: 1250 lbs.

LL46827 \$272.00 each

KEEPER 20' ATV TOW STRAP W/ SPRING LATCH

Keeper® tow strap made exclusively for towing ATVs .



- 1,000 lbs. max vehicle weight
- 3,000 lbs. web capacity
- Combination hook and loop design

02805 \$17.95 each

KEEPER ATV WINCH KIT

Kit includes:

- Reusable case
- 20' ATV tow strap with spring latch w/1,000 lbs. max vehicle weight & 3,000 lbs. web capacity
- 6' winch strap w/8,000 lbs. max vehicle weight
- 3/4" zinc plated steel shackle
- 8,000 lbs. pulley block
- One (1) 24" carabiner style bungee cord
- Storage pouch



02806 \$69.95 each

HITCH EXTENDER

With the Hitch Extender from Great Day, the pivot point of an attachment is positioned far enough out to provide clearance for safe turning and operation.



The "Hitch" also eliminates the stress and strain of backbreaking connections underneath an overhanging cargo rack. It is constructed of aircraft aluminum and fits all trailer-hitch connections. It's even designed to fit into factory or aftermarket hitch receivers.

HE100..... \$41.00 each

HITCH STABILIZER

The Hitch Stabilizer slips onto trailer hitches, hitch haulers—any piece of equipment requiring the use of a 2" hitch receiver—no tools needed. With two stabilizing 3/8" screws applying vertical and horizontal pressure to the hitch, side-to-side and up-and-down movement is totally eliminated. The Hitch Stabilizer is constructed of high-carbon steel—strong enough for the toughest load.



HS1001..... \$32.00 each

HITCH-N-RIDE CARGO HAULER

The Hitch-N-Ride easily handles all kinds of cargo – luggage, ice chests, firewood, cartons, sports equipment, hunting equipment, etc. With 7" side-rails and handy tie-down points, the Hitch-N-



Ride secures and delivers your "precious cargo" on-time, every-time. The Hitch-N-Ride is constructed of air-craft aluminum and weighs only 22 lbs. The 22' X 50" cargo cradle has a hefty 400 lb. carrying capacity and conveniently attaches in any 2" trailer-hitch receiver.

The Hitch-N-Ride Magnum is a whopping 50" wide, 22" front-to-back and has 12" sides. It has a weight capacity of 500 lbs and has a super-strong aircraft aluminum frame for handling "rough n' tough" loads. The Hitch-N-Ride Magnum comes with durable, good-looking powder-coat finishes. The Magnum Hitch-N-Ride only weighs 20 lbs and ships by UPS. It is ideal for use on pickup trucks, autos or SUV's with 2" hitch receivers.

It is recommended to use with the HS1001 Hitch Stabilizer. NOTE: The HNR1000T and HNR2000TB will not work on a vehicle with a rear mounted spare tire.

HNR1000T	Cargo Hauler, 33" Bar	\$189.00 each
HNR1000TG	Folding Cargo Hauler, 33" Bar	\$251.00 each
HNR1000TLB	XL Cargo Hauler, 41" Bar	\$201.00 each
HNR2000TB	Magnum, 12" Sides, 33' Bar.....	\$206.00 each
HNR2000TLB	Magnum X-Large, 41" Bar	\$214.00 each

TRUCK & ATV/UTV ACCESSORIES

MULTI-SEAL HEAVY DUTY TIRE SEALANT

All heavy tires, whether used on-road or off, routinely endure heavy punishment. They encounter 'tire killers' such as jagged rocks, broken concrete, rebar, scrap metal, welding rods, nails and other hazardous objects. MULTI-SEAL Heavy Duty is formulated to withstand the rigors of heavy, continuous use. It will also protect your valuable tires from slow leaks around the rim, as well as air loss through punctures from pinholes all the way up to 5/8 inch. It doesn't matter if the equipment is used in long haul trucking or off-road.



1110A	1 Gallon Bottle	\$58.85 each
1120	5 Gallon Pail	\$349.00 each
1432	1 Quart Bottle, General Purpose	\$16.50 each
5005	5 Gallon Pump w/Inline Valve Assembly	\$88.00 each

THE POWERLOADER

The PowerLoader is powered by either a factory-installed or an after-market winch. At the push of a button, the patented telescopic lifting arms of the PowerLoader retract and curl in seconds to eliminate leverage-moving loads of up to 350 lbs from ground level to "Locked and Loaded" - ready for transport. The PowerLoader is constructed of super-tough, aircraft aluminum and adds on 29 lbs to the weight of the vehicle. Powered by a regular winch, the PowerLoader installs on any regular 4-wheeled ATV, golf cart vehicle or outdoor utility vehicle in just minutes.



PL250	\$309.00 each
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TRUCK N' BUDDY TAILGATE STEP

The Truck N' Buddy mounts directly to the bed of the truck or trailer with metal screws and can be positioned to allow easy entry or exit. The Truck N' Buddy is constructed of heavy-duty aircraft aluminum and weighs only 16 lbs. It comes with a tough, black powder-coat finish that matches well with any vehicle.

The Truck N' Buddy folds and unfolds in seconds. It features an 18 inch grab rail and non-slip traction ridges on the platform to insure safe and easy use. NOTE: Modification and/or drilling to the vehicle may be necessary for installation.

TNB2000B	300 lb Capacity	\$189.00 each
TNB2001B	For trucks with bed covers, 300 lb Capacity	\$189.00 each
TNB3000MB	Magnum, 400 lb Capacity	\$287.00 each



The Consumer Product Safety Commission reported 13,043 ATV-related fatalities between 1982 and 2013. Like other activities involving high speeds and heavy machinery, riding an ATV can be risky. To stay safe, follow common sense safety tips. Take knowledge to the extreme and learn more about these important tips for safer riding:

- Get trained
- Wear a helmet
- No children on adult ATVs
 - Don't ride tandem
 - Don't ride on pavement
- Don't ride under the influence





GREAT DAY SPRAYERS

SUPERSPOT SPRAYERS

SuperSpot sprayers are available in 15, 25 and 40 gallon models. All sprayers are designed to conveniently strap to ATV rear racks or UTV beds without need of hardware or wrenches. Tanks are corrosion-proof polyethylene and come equipped with a 12-volt 60 PSI or 45 PSI pump. A hand-wand spray nozzle with 6 feet of hose, splash-proof vented lid, a toggle cut-off switch, large 15" fill well and a drain valve come standard on all models. The SuperSpot hand-wand can be set to deliver a fine mist for delicate, controlled applications or adjusted to reach out to 25 ft.



- GDSS25 15 Gallon Sprayer Unit 1.8 GPM..... \$313.00 each
- SS2545 25 Gallon Sprayer Unit 2.8 GPM..... \$441.00 each
- SS4060 40 Gallon Sprayer Unit 1.8 GPM..... \$372.00 each
- SS4045 40 Gallon Sprayer Unit 2.8 GPM..... \$473.00 each

SUPERSPOT BOOMS

SuperSpot Booms are multifunctional sprayers ideal for use around the farm and hunting site. These booms are spring hinged, swing-away booms that allow the end of the boom to move away when coming into contact with an obstacle preventing damage to the boom.



- SS909 10 ft. Swing-Away Boom \$240.00 each
- SS911 10 ft. Swing-Away Boom w/2" Receiver Mount..... \$300.00 each

PLOT PRO™ SPRAYING SYSTEMS

The Plot Pro units are designed to conveniently strap to ATV racks or mount to the cargo beds of UTV's or trucks. The Plot Pro is a complete system—includes corrosion-proof polyethylene tank, a choice of 1.8 or 2.8 gpm ShurFlo pumps, the amazing Boominator boomless spray tip and a sturdy metal, adjustable hand-wand. The single boomless tip delivers coverage up to 25' wide—eliminating the need for awkward booms that are difficult to maneuver in close areas. Great Day offers Plot Pro systems with 15, 25 or 40 gallon tank sizes. Also, different hardware kits provide hitch receiver mounting on some vehicles.

PLOT PRO™ SPRAYERS & PUMPS (FOR ATV, UTV, GOLF CART & TRUCK)

ATV SYSTEMS

- PLP2509-ATV 25 Gal. 1.8 GPM w/ 15' Tip\$375.00 each
- PLP2525-ATV 25 Gal. 2.8 GPM w/ 25' Tip\$530.00 each

UTV SYSTEMS

- PLP2509-UTV-2 25 Gal. 2" RCVR 1.8 GPM, 15' Tip.....\$397.00 each
- PLP2509-UTV-1.25 25 Gal. 1.25" RCVR 1.8 GPM, 15' Tip\$397.00 each
- PLP4025-UTV-2 40 Gal. 2" RCVR 2.8 GPM, 25' Tip.....\$591.00 each
- PLP4025-UTV-1.25 40 Gal. 1.25" RCVR 2.8 GPM, 25' Tip\$591.00 each



PLOT PRO™ BOOMLESS SPRAYER KITS (TANK & PUMP NOT INCLUDED)

ATV BOOMLESS KITS

(H-Bracket, J-Bar, Nozzle, Hose)

- PLP900-ATV 15' TIP\$72.00 each
- PLP925-ATV 25' TIP.....\$83.00 each



UTV BOOMLESS KITS

(Receiver Bar, Long J-Bar, Nozzle, Hose)

- PLP900-UTV-2 2" RECEIVER W/ 15' TIP\$96.00 each
- PLP900-UTV-1.25 1.25" RECEIVER W/ 15' TIP.....\$96.00 each
- PLP925-UTV-2 2" RECEIVER W/ 25' TIP\$104.00 each
- PLP925-UTV-1.25 1.25" RECEIVER W/ 25' TIP.....\$104.00 each



Shop online for these products and more at cspforestry.com & cspoutdoors.com

OUTDOOR GEAR

GAME CAMERAS

BUSHNELL TROPHY CAM HD TRAIL CAMERA

The Bushnell Trophy Cam is a digital scouting camera. It can be triggered by any movement of game in a location, detected by a highly sensitive Passive Infra-Red (PIR) motion sensor, and then take high quality pictures (up to 8MP still photos), or video clips. The Trophy Cam consumes very little power (less than 0.2 mA) in standby (surveillance) state. This means it can deliver up to six months standby operation time when the device is powered by the full capacity of AA alkaline batteries, and up to twelve months utilizing lithium AA batteries.



Once motion in the monitored area is detected, the digital camera unit will be triggered at once (typically within one second) and then automatically take photos or videos according to previously programmed settings. The TrophyCam is equipped with built-in infrared LEDs that function as a flash, so that it delivers clear photos or videos (in black & white) even in the dark, and it can take color photos or videos under sufficient daylight. The Trophy Cam is designed for outdoor use and is resistant against water and snow.



- Motion Activated out to 60'
- Auto PIR Sensitivity-the camera monitors ambient temperature conditions and automatically adjusts the sensor/trigger signal to be more sensitive to slight variations in temperature on hot days, less sensitive on cold days.
- Hyper NightVision-The IR LED Flash array now has increased range, brighter output and better coverage for improved nighttime images.
- Field Scan 2x with Live Trigger-The "time lapse" feature added in last year's models has been enhanced with the addition of the option for a second block of recording with its own start/stop times. Trigger signals generated by nearby wildlife activity will still generate additional photos/videos as they normally would, independently of the Field Scan operation.
- GPS Geotag Capability-allows the user to input the longitude and latitude of the camera's position, which will be embedded in each photo file. This enables Google Earth, Picassa and other geotag 6 enabled software to automatically show a map pinpointing each camera's location when a group of photos are reviewed on a computer. Especially useful for those who setup multiple Trophy Cams to monitor large or widely separated areas.
- Multi Flash Mode (LED Control)- prevents overexposed flash photos in close range applications
- Hybrid Capture Mode-allows both still photos and videos to be captured at each trigger, up to highest resolution settings for each.
- NV Shutter-user can select shutter speed for images captured at night allowing control over brightness vs. ability to stop motion
- Camera Operating Mode can be limited to Day only, Night only, or 24 HRs
- And many more features such as HD Video with Audio, widescreen or fullscreen format still photos, imprintable camera name (user set) along with current data including temperature, moon phase and barometric pressure*
- (*imprinted barometer data only available on black LED models).

119537C \$199.99 each

CUDDEBACK CUDDEVIEW X2

CuddeView X2 lets you view images, zoom, pan, delete, see date/time, and transfer images to a second SD card. CuddeView X2 lets you manage your scouting, leaving you more time to hunt.

- Two SD slots allows you to copy images from Source Card to Destination Card or between any two SD cards
- Allows you to easily zoom in and pan around any image
- Lets you delete some or all images from media card
- Serves as a card reader for your computer (cables included)
- Lets you view images on your TV (cables included)
- Operates on 4 "AA" batteries (not included)
- Works with most scouting cameras



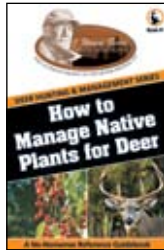
CVX2\$98.95 each

DEER MANAGEMENT BOOKS

HOW TO MANAGE NATIVE PLANTS FOR DEER
BY: J. WAYNE FEARS

This guidebook gives the reader the information he needs to locate and manage a wide range of native and naturally occurring plants that deer love. Designed to be pocket sized and easy to read, this little guidebook makes an ideal gift for the beginning hunter or master of the woods. Paperback – 101 pages.

JWF-A11\$8.95 each



FOOD PLOTS AND SUPPLEMENTAL FEEDING
BY: BEN H. KOERTH AND DR. JAMES C. KROLL

Deals with effective strategies to significantly improve the quality of deer on you land, without wasting time or money. This edition covers exactly how and what to plant over the range of the species.

KROLL-2..... \$30.95 each



ULTIMATE DEER HUNTER'S & LAND MANAGEMENT REFERENCE
BY: J. WAYNE FEARS

Quick reference of valuable information on managing land for deer, managing native species of plants for deer, deer harvest information, butchering tips, hunting lease management information, deer facts, firearms data, hunting safety, where-to-get more information and much, much more.

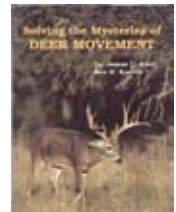
JWF-AS1\$17.95 each



SOLVING THE MYSTERIES OF DEER MOVEMENT
BY: DR. JAMES C. KROLL AND BEN H. KOERTH

Designed as a companion text for The Art and Science of Patterning Whitetails, this book gives you confidence in significantly improving your chances at a real trophy next season. Kroll and Koerth methodically dissect whitetail movements.

KROLL-3..... \$29.95 each



THE ART AND SCIENCE OF PATTERNING WHITETAILS
BY: DR. JAMES C. KROLL & GORDON WHITTINGTON

Perhaps the most awaited book in whitetail history. Written by two of the recognized authorities on white-tailed deer, the book covers in detail the "last frontier" in deer hunting—the art and science of patterning mature white-tailed deer.

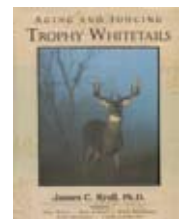
KROLL-1..... \$24.95 each



AGING AND JUDGING TROPHY WHITETAILS
BY: DR. JAMES C. KROLL

A "must read" for every whitetail enthusiast—hunter and non-hunter alike. Containing almost 300 color photographs taken by five of the nation's most respected wildlife photographers, this book finally reveals Dr. Kroll's secrets for aging and judging whitetails in the field.

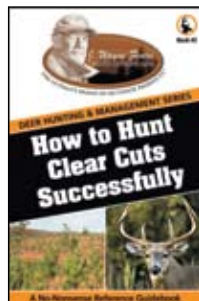
KROLL-4..... \$39.95 each



HOW TO HUNT CLEAR CUTS SUCCESSFULLY
BY: J. WAYNE FEARS

This 135-page easy-to-read guidebook teaches the reader the various stages of a clear cut and how deer utilize them. Then it teaches the hunter how to successfully hunt the clear cut in its various stages of regrowth. There is a chapter that unlocks the secrets of hunting the corridors that are found in clear cut forest. Also, a chapter on making the long-shots necessary in the early stages of clear cuts. Paperback.

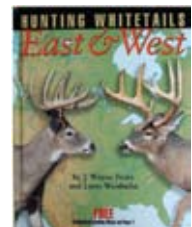
JWF-HTHC..... \$5.95 each



HUNTING WHITETAILS EAST & WEST
BY J. WAYNE FEARS AND LARRY WEISHUHN

Vivid color photos on every page. Written in detail, thorough and precise, where and when to hunt whitetails, how to find new hotspots, scouting, selecting proper firearms and much more. Hard cover – 160 pages

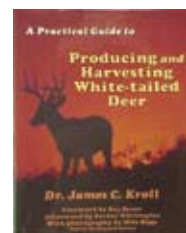
JWF-HWTS..... \$9.95 each



A PRACTICAL GUIDE TO PRODUCING AND HARVESTING WHITE-TAILED DEER
BY: DR. JAMES C. KROLL

Considered by many as the bible of deer management. In here you will find 590+ pages packed full of everything you need to know about managing and hunting whitetails.

1000H..... \$39.95 each



DEER MANAGEMENT VIDEOS & SUPPLIES

THE WHITETAIL VIDEO MANAGEMENT SERIES

Each video is based on information found in *A Practical Guide to Producing and Harvesting White-tailed Deer*.

VOLUME 1: FOOD PLOTS AND SUPPLEMENTAL FEEDING DVD

A no-nonsense, informative video that goes beyond hype and sales gimmicks to give you real facts about what you can do to improve your deer herd.



WVM-1-DVD..... \$12.95

VOLUME 2: AGING AND JUDGING TROPHY WHITETAILS DVD

Covers one of the most asked-about topics in whitetail hunting and management today. This video logically discusses the criteria you can use to age bucks, and includes footage of hundreds of bucks of various ages for your education and enjoyment.



WVM-2-DVD.....\$12.95

VOLUME 3: RECORD KEEPING DVD

Deals with the how-to's of one of the most important aspects of deer management. This video gives you sound advice on establishing a record-keeping system that allows you to evaluate progress in you management program. Topics discussed include: (1) Setting Goals, (2) Basic Whitetail Harvest Records - Age, Weight, Antler Measurements and Reproductive Performance, (3) Incidental Sightings, (4) Record Forms



WVM-3-DVD..... \$12.95

VOLUME 4: AGING AND JUDGING TROPHY WHITETAILS DVD

This impressive video presents in-depth information that will help you use the Boone and Crockett scoring system, so that you can see how your deer racks stack up against those in the record book. Whether you want to measure a deer or simply look at awesome antlers, you'll find plenty of solid information in this video. Topics include: (1) Materials needed for measuring racks, (2) Understanding and completing a score sheet, (3) Taking measurements the proper way, (4) Dealing with Judgment calls in scoring, (5) Adding up the final score on your rack, (6) Where to get your deer officially measured.



WVM-4-DVD..... \$12.95

PELOUZE HANGING SCALES

Standard features include sturdy steel construction, painted enamel finish, recessed dials for extra protection and top and bottom hooks.

- 7810A 110 lbs. x 1 lb.....\$52.25
- 7820 220 lbs. x 2 lbs.\$54.95
- 7830 330 lbs. x 5 lbs.\$61.75



JAWBONE EXTRACTOR

All steel. Use to remove jawbone for age determination without disturbing trophy character of the head. Requires jawbone shears.

JBE \$15.75 each



MOULTRIE 440 LB. GAME SCALE

No more guessing the weights of your large game animals. Moultrie offers a scale that weighs even the heaviest game.

93696\$23.50

GAMBREL

Made of sturdy steel with two crossbars and hooks to hold a deer carcass for field dressing and skinning.

GAMBREL \$12.50 each



JAWBONE SHEARS

Featuring a strong, thin curved cutting blade which provides crisp, accurate jawbone cuts, and strong tubular steel handles.



10005 \$35.50 each

TRAPS AND SUPPLIES

HAVAHART® PROFESSIONAL CAGE TRAPS



Havahart® Cage Traps have proven efficacy derived from extensive field testing, which means a higher catch rate and fewer escapes. The trigger rod is located outside of the trap so the animal cannot damage it while in the trap. Smoothed internal edges protect and prevent injuries to animals. These Cage Traps are made to last and resist rust and corrosion.

- Instructions and tips on baits and trap setting are included
- One Spring-Loaded Door
- Comes fully assembled and ready to use
- Designed by professional trappers
- Made in the U.S.A.

Ideal for catching rabbits, skunks, mink, large squirrels and other similar-sized animals.

1078 Medium – 24" x 7" x 7" \$38.50 each

Ideal for catching rabbits, skunks, mink, large squirrels and other similar-sized animals.

1079 Large – 32" x 12" x 10" \$59.25 each

Ideal for catching large raccoons, small dogs, foxes and other similar-sized animals.

1081 X-Large – 42" x 15" x 15" \$96.25 each

FULL LINE OF HAVAHART AVAILABLE. CALL FOR MORE INFORMATION

DUKE SINGLE DOOR TRAPS

Duke Standard and Heavy Duty Cage Traps offer the ultimate variety in Humane Live Catch Cage Traps today. The Standard Cage Traps feature steel rod reinforced Spring Loaded Doors, pressure sensitive trip mechanisms and a durable, concealable green powder coated finish. For the animal control professional and trapper, Duke also offers top of the line Heavy Duty Cage Traps featuring all steel rod gravity drop doors, bait protected cage mesh, and a complete internal steel rod frame. All cage trap models are constructed to provide for exceptional durability with no harm to the animal.

STANDARD TRAPS

- 1100-D 16" x 5" x 5" (Rodent, Small Squirrel, Chipmunk) \$9.95 each**
- 1105-D 24" x 7" x 7" (Rabbit, Large Squirrel)..... \$19.95 each**
- 1110-D 32" x 10" x 12" (Raccoon, Cat) \$33.95 each**



HEAVY DUTY TRAPS

- 1109-D 26" x 9" x 9" (Large Squirrel, Rabbit, Skunk)..... \$29.95 each**
- 1112-D 30" x 12" x 12" (Raccoon, Cat, Armadillo) \$49.95 each**
- 1114-D 36" x 15" x 14" (Large Raccoon, Fox, Cat) \$59.95 each**



LOCKING CABLE SNARE

66' Coyote/Beaver Kill Cable. Snares Constructed of 7 x 7 aircraft cable with heavy duty locks. Sold by the dozen.



KC66 \$16.95 Per Dozen

KETCH-ALL POLE

Manufactured in the USA since 1952.

This pole was designed by Ketch-All Company and is used by animal control professionals and other animal handlers throughout the world. The pole is famous for its versatility. Up a tree - under a building - or in a storm drain, the animal can easily be rescued with a Ketch-All extension pole. When retracted, it may be used as a heavy duty restraining device.



81506 4' Pole \$99.25 each

81507 5' Pole \$108.95 each

RTS SETTER BODY GRIP TRAP SETTING TOOL

A very effective tool for setting springs on all body grip traps with only one hand. Easily removes stiff or frozen catches and requires only one hand to operate. Works on all size body grip traps. Jaws hook on spring arms, not spring holes, eliminating extra strokes, spring damage and allows easy removal of stiff awkward catches wedged tight in trap frame. Small and lightweight, fits in pack or on belt.



35602 \$53.95 each

TRAPS & SUPPLIES/NESTING BOXES

COIL-SPRING TRAPS

A favorite of many trappers. Easy to set and conceal, these traps lay flat and lock up quickly for maximum success in dirt-hold sets.

- 1.5VC-D 4-7/8" Jaws for fox, marten, skunk, mink, raccoon, fisher\$6.25 each
- 1.75VC-D 5-3/8" Jaws for bobcat, coyote, skunk, nutria, raccoon\$8.75 each



DUKE DOG-PROOF RACCOON TRAP

Designed to effectively target raccoons, this fully enclosed trap is safe for use around dogs. The trap features a 1.5" steel pipe with a trigger inside that springs the trap. Raccoons reach inside the pipe for the bait or lure, pull back, and are caught. The trap is ideal for use in populated areas where raccoon problems exist. Easy to set, the trap features powerful coil springs, a sensitive trigger system, and a straight spade staking system.

- 0510DP.....\$11.95 each



WILDLIFE BODY TRAPS

Patented four way trigger fires the trap when an animal pushes the trigger from any direction including from the side. Made of high carbon steel.

- 110-2-D 4-1/2" Jaw spread for mink, muskrat, weasel, marten, skunk\$3.95 each
- 220-2-D 7" Jaw spread for badger, beaver, fisher, marten, nutria, opossum, raccoon\$10.95 each
- 330-2-D 10" Jaw spread for beaver, bobcat, otter (chain included).....\$19.95 each



NESTING BOXES

CYPRESS BLUEBIRD NESTING BOX



These boxes, made of sturdy cypress wood, will last for years. Predrilled for hanging, they will attract bluebirds to your farm or to other public places such as parks, golf courses and schools. 10-3/4" x 5"

- BBH-W \$13.50 each
- 10+ \$12.50 each

WOOD DUCK NESTING BOX



Made of cypress wood, these boxes are hand-constructed. Edges are smooth-sanded. Features side door with brass hinges for easy seasonal cleaning and inspection. Dimensions: 2 4" x 11" x 12" with 4" wide oval entrance hole.

- WDB..... \$49.95 each
- 10+ \$44.95 each

BAT HOUSE



Want to rid your yard of millions of mosquitoes without using chemicals? Attract bats to your yard to safely reduce the mosquito population without harming the environment. Each bat can eat over 2,000 mosquitoes every night. One bat house will attract and accommodate dozens of bats. The house should be placed at least 10 feet high on a tree, building or pole. A southern exposures is the most preferable location.

- BH \$29.95 each
- 5+ \$27.95 each

BUTTERFLY HOUSE



Made from Cypress, this butterfly house can be a home for 15-20 butterflies. Butterflies will use this house for hibernation, a resting place and as a safe haven from bad weather and predators. Add tree bark to the house and place it near host plants so butterflies will be more likely to lay eggs in your garden in spring. 20" x 5-1/2" x 5.

- BFH\$35.25 each
- 5+\$30.75 each

POSTED/ WARNING SIGNS

POSTED SIGNS – ROLL OF 100

12" x 12" Weather and Tear Resistant perforated signs. Space at the bottom for personalization with a permanent maker. Legend as shown-Posted Private Property.



TSR-100 Tyvek Plastic Coated Paper\$32.95/ROLL

PROPERTY BOUNDARY LINE SIGNS

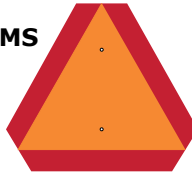
3-3/4" x 3-3/4" Black Print on Yellow



202PBYLA - .012 Gauge Aluminum
 1-19..... \$.65 each
 20-199..... \$.57 each
 200-499..... \$.48 each
 500+..... \$.43 each
 202PBLYP - .024 Gauge Plastic
 1-49..... \$.57 each
 50-199..... \$.54 each
 200-499..... \$.44 each
 500+..... \$.39 each

SLOW MOVING VEHICLE EMBLEMS

- Regulation size and color
- Reflective
- Economy medium gauge plastic



SMVEE..... \$6.95 each

WARNING SIGNS

Caution Signs are Diamond Shaped, Black on Yellow. Stop Sign is Octagon Shaped, White on Red. Non-reflective. Made of .110 Heavy Gauge Plastic. 18" x 18" with two mounting holes. \$14.95 each



503T
CAUTION TRACTOR



600CA
CAUTION



602TC
TRUCK CROSSING



603LT
LOG TRUCKS



604STP
STOP SIGN

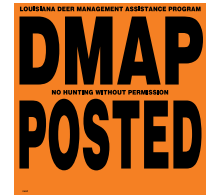
ALUMINUM NAILS FOR POSTED SIGNS

2-1/4" long with .128" diameter shanks and 3/8" diameter head. Approximately 333 nails per 1-pound box.

2AKAET \$6.50 per box
 10+ \$5.50 per box

D-MAP SIGNS

Used in the Louisiana Deer Management Assistance Program. 11-1/4" x 11-1/4" Black print.



DMAP - .024 Gauge Orange Plastic
 1-99..... \$1.39 each
 100-249..... \$1.10 each
 250-499..... \$.85 each
 500-999..... \$.71 each
 1000+..... \$.63 each

DMAP-AL - .012 Gauge Orange Aluminum
 1-99..... \$1.60 each
 100-249..... \$1.30 each
 250-499..... \$1.06 each
 500-999..... \$.96 each
 1000+..... \$.86 each

Also available:
Louisiana Antlerless Deer Tag Program Signs.

- Black on White
- Part# :LADT (Plastic)
- LADT-AL (Aluminum)
- Same prices as DMAP Sign

COPPER CANYON SERIES

- The zippered E! Power Port allows you to bring an electrical power cord inside the tent.
- Matching yellow webbing on tent and fly couple with the ring & pin assembly to make set up fast.
- High-stash pocketing and two gear lofts keep essentials close at hand and easy to reach.
- The tent's free standing and shock-corded fiberglass & steel frame is easy to set up. Clips secure the tent body to the frame.
- Storm guy out pockets stow guy-lines on fly during set up and take down.
- Removable divider curtain creates two rooms for privacy, or rolls back to create one large room.
- Bathtub floor wraps up sides of tent, protecting against splashing and standing water.



COPPER CANYON 4



COPPER CANYON 12

2601296	Copper Canyon 4 – 4 Man	\$199.90 each
2601306	Copper Canyon 6 – 6 Man	\$259.90 each
2601308	Copper Canyon 8 – 8 Man	\$399.90 each
2601311	Copper Canyon 12 – 12 Man	\$469.90 each



TIMBERLINE SQ SERIES

The proprietary SQ hub offers strength and optimum angles to create internal volume for excellent livability. The mid-span ridge pole spreader bar accentuates the curves in the tent body, adding internal volume to the A-frame. One large vertical D-style doors with Hi/Low venting offer ease of access and enhance ventilation. Interior pockets keep essentials close at hand. Tent vestibule provides extra room to store gear. Bathtub floor wraps up sides of tent, protecting against splashing and standing water.

2627814	Timberline SQ Outfitter 4 – 4 Man	\$329.90 each
2629220	Timberline SQ Outfitter 6 – 6 Man	\$479.90 each

SUNRISE SERIES RECREATIONAL TENTS

- 3 Season Tents
- Easy Set-Up
- Fiberglass Frame
- 2-Pole Square Dome Design
- 1 Door
- 4 Windows – 1 in door, 1 on each side panel
- 2 Cross-flow Side Vents
- Fly & Walls – 75D 190T Polyester Taffeta 1200mm
- Mesh – 40D Polyester No-See-Um Mesh
- Floor – 210D Polyester Oxford Oxford 1200mm
- Color – Snorkel Blue/Pearl Blue/Sun Gold
- Available Amenities – Elluminate System, E! Media Center, Power Port, Gear Hammock available on Special Order



WITH FLY



WITHOUT FLY

2629327	Sunrise 3 – Sleeps 2-3	\$179.90 each
2629330	Sunrise 4 – Sleeps 3-4	\$199.90 each
2629333	Sunrise 5 – Sleeps 4-5	\$259.90 each
2629336	Sunrise 6 – Sleeps 5-6	\$299.90 each

TETRAGON SERIES

- The fly features 2 fly rods that form a brim over the door for protection from the elements and to add strength and stability to the tent.
- The tent's free standing and shock-corded fiberglass frame is lightweight and easy to set up. Clips secure the tent body to the frame.
- One side opening, twin track door, consisting of a no-see-um mesh panel and a fabric panel, allows flexibility for venting & insect protection.
- A zipper cover on the door provides protection from water.
- Two interior pockets keep essentials close at hand.
- A gear loft provides extra storage overhead.
- Matching yellow webbing on tent & fly couple with the ring & pin assembly to make set up fast.
- Bathtub floor wraps up sides of tent, protecting against splashing and standing water.



TETRAGON 10

2629130	Tetragon 2 – 2 Man	\$89.99 each
2629140	Tetragon 3 – 3 Man	\$119.99 each
2629150	Tetragon 4 – 4 Man	\$139.99 each
2629160	Tetragon 5 – 5 Man	\$169.99 each
2629170	Tetragon 8 – 8 Man (2 Room)	\$279.99 each

MORE EUREKA TENTS & CAMPING GEAR AVAILABLE AT WWW.CSPOUTDOORS.COM

MULTI-TOOLS & KNIVES

ONTARIO KNIFE RAT FOLDER POCKET KNIVES

The immensely popular RAT folders are a top selling product. Featuring versatile AUS-8 stainless steel and a nylon handle, the RAT folder comes in a variety of styles including different blade and handle colors. The RAT folders are an ideal and affordable every day carry.

RAT MODEL 1 FOLDER

- Blade Length: 3.5"
- Overall Length: 8.5"
- Steel: AUS-8
- Liner Lock
- Thumbstud



- OK8848 Satin Blade, Plain Edge, Black Handle \$36.50 each
- OK8849 Satin Blade, Partially Serrated, Black Handle \$36.50 each
- OK8846 Black Blade, Plain Edge, Black Handle \$38.50 each
- OK8847 Black Blade, Partially Serrated, Black Handle \$38.50 each

RAT MODEL II FOLDER

- Blade Length: 3"
- Overall Length: 7"
- Steel: AUS-8
- Liner Lock
- Thumbstud



- OK8860 Satin Blade, Plain Edge, Black Handle \$34.50 each
- OK8861 Black Blade, Plain Edge, Black Handle \$35.65 each
- OK8862 Satin Blade, Plain Edge, Pink Handle \$34.50 each
- OK8863 Black Blade, Plain Edge, Pink Handle..... \$35.65 each

RAT 1A ASSISTED OPENING FOLDER

The top-selling RAT1 folding blade has been updated to include OKC's patent-pending Tactical Assisted Opening (T.A.O), designed by Joe Pardue. This lightning fast opening action will keep your knife, and you, ready at all times. The RAT 1, with its aggressive yet practical design, can be used for everything from emergency situations to everyday carry. The textured G10 handle provides your blade with a durable enclosure and offers you an outstanding grip for every use. The Rat 1A Assisted Opener features the same specifications at the Rat Model 1 Folder.



- OK8870 Satin Blade, Plain Edge, Black Handle \$60.65 each
- OK8871 Black Blade, Plain Edge, Black Handle \$62.60 each

ONTARIO KNIFE STRAP CUTTERS

Ontario Knife Company's combat-deployed strap cutters feature ether stainless or titanium nitride edges that cut through belts like butter, rugged 6061-T6 anodized aluminum bodies and a MOLLE compatible nylon sheath.

ASEK STRAP CUTTER/MULTI-TOOL

Developed as part of the Aircrew Survival Egress Knife system, this strap cutter features anodized aluminum construction, honing rod, lanyard, replaceable blade and screwdriver. Overall Length is 6.6" with a 1" stainless steel blade.



- OK1403 Strap Cutter Only \$32.75 each
- OK1408 Replacement Sheath Only, Black..... \$4.85 each
- OK1404 Replacement Blade Set (5 blade pair per set)..... \$4.85 each

OKC FG MODEL 1 STRAP CUTTER

Used by the U.S. Military, this strap cutter features a .47" blade with a Titanium Nitride edge. Overall length is 6.6". Comes complete with a nylon sheath. NSN #4240-01-547-5993.



- OK1406 Strap cutter w/sheath..... \$47.25 each
- OK1429 Replacement Blade Kit (3 blades & 4 screws in kit)..... \$9.15 each

**SHOP ONLINE FOR A FULL LINE OF ONTARIO KNIVES:
ONTARIO-KNIFE-STORE.COM**

OLD HICKORY KNIVES

Old Hickory knives are made with fully heat treated and tempered 1095 carbon steel. Each knife is fitted with attractive hardwood handles which are secured with brass compression rivets. A refined sharpening process guarantees a sharp edge to meet all needs. Made in the USA.

ONTARIO 6" OLD HICKORY STICKER KNIFE

- Blade Length: 6"
- Handle Material: Hardwood
- Overall Length: 10.625"
- Blade Hardness: 53-58 HRC
- Blade Material: 1095 Carbon Steel



- OK7155 \$10.95 each

ONTARIO 6" SKINNER KNIFE

- Blade Length: 6.25"
- Handle Material: Hardwood
- Overall Length: 10.5"
- Blade Hardness: 53-58 HRC
- Blade Material: 1095 Carbon Steel



- OK7150 \$13.95 each

ONTARIO FILET KNIFE

Designed and built by hunters and fisherman, the Ontario Filet Knife features a 6.25" 440C Stainless Steel blade and a hardwood handle. Overall length: 10.75"



- OK1270 \$13.50 each



HEATING & POWER DEVICES

HEATSYNC HOT SEAT

The ultimate in camp comfort, the HeatSync Hot Seat is more than just your fold up camping chair: you've got a heated seat guaranteed to stave off the chills on cold camp nights. Ideal for national parks or fire-prone areas where campfires aren't allowed. Powered by any Brunton 5V/2.1AMP USB power bank (not included).



- 16" x 16" x 16"
- 2 lbs, 20 ozs
- Pre-heat Function

F-HOTSEAT..... \$89.99 each

HEATSYNC ZONE SLEEPING PAD

Multi-function mat powered by Brunton 5V/2.1AMP USB power bank (not included). Low, medium and high settings ensure you'll have just the right amount of warmth, and waterproof fabrics let the heat out without letting the moisture in. Perfect for sleeping bags, chilly fall soccer games, early season camping, car seats, or anywhere else immediate heat is required.



- 13.5" x 38" (34.3 x 96.5cm)
- 5.1 ounces (145 grams)
- Pre-Heat Function
- 2' USB extension cord included to place battery where you want it

F-ZONE \$79.99 each

HEATSYNC VITAL UNDER JACKET WARMER

The HeatSync Vital is an under-the-jacket heating system designed to keep you warm in the harshest conditions. The harness design is one-size-fits all, so you can keep one for every member of the family who needs to take the edge off an especially icy winter day. Ideal for cold weather situations where movement or activity is low, or in dire situations where the user has become trapped or lost, HeatSync Vital rests against a shirt or base-layer and is powered by any Brunton 5V/2.1AMP USB power bank (not included).



- 12" x 16.5" (30.5 x 47cm)
- 8.6 ounces (244 grams)
- Pre-heat function

F-HEAT-VITAL \$74.99 each

REVOLT 4000 USB POWER BANK

The Revolt 4000 provides dependable power to USB-optimized hand-held electronics rain or shine. Shockproof and weatherproof, the Revolt 4000 is Adventure Armored™ to endure the pounding and extreme elements faced when leaving the city behind. Other colors available.



- Provides up to 2.5 smartphone charges
- Shockproof and weatherproof (IPX5-Rated debris and waterproofing)
- Shock absorbing silicone exo-shell protects against harsh drops
- Vibram undercarriage grips to smooth surfaces keeping Revolt in place
- Planet friendly high-yield lithium cells keep wasteful alkaline batteries out of landfills
- 3-in-1 Adapter Cable Included (Micro USB, Lightning, 30-Pin to USB)
- Battery: Lithium Polymer (4000mAh)
- Specs: 7.6 x 7.6 x 3.3 cm; 139 g
- Output: Standard USB (5v/2.1 amp)
- Input: Micro USB

F-REVOLT-BK Black\$49.99 each

REVOLT 9000 USB POWER BANK

The REVOLT 9000 is for those who rely heavily on USB-optimized hand-held electronics to power their adventure. Shockproof and weatherproof, the REVOLT 9000 is Adventure Armored™ to endure the pounding and extreme elements faced when leaving the grid in the rearview mirror. Other colors available.



- Provides up to 6 smartphone charges
- Shockproof and weatherproof (IPX5-Rated debris and waterproofing)
- Shock absorbing silicone exo-shell protects against harsh drops
- Vibram undercarriage grips to smooth surfaces keeping Revolt in place
- Planet friendly high-yield lithium cells keep wasteful alkaline batteries out of landfills
- 3-in-1 Adapter Cable Included (Micro USB, Lightning, 30-Pin to USB)
- Battery: Lithium Polymer (9000mAh)
- Specs: 10.2 x 10.2 x 3.3 cm; 284 g
- Output: To Standard USB (5v/2.1 amp)
- Input: Micro USB

F-REVOLTXL-BK Black \$99.99 each

LANTERNS AND LIGHTS



BRUNTON POWER KNIFE MULTI-CHARGER

A tangle of cords. A broken cable. A missing adapter. In everyday life or on the road, this can be inconvenient and annoying. In the outdoors, this might mean the difference between getting completely lost and left in the dark, or staying powered-up and safe. Combining adapter ends from some of the most widely used outdoor gadgets into a form factor any adventurer can recognize, Brunton Power Knife is just as important as a pocket knife in the pack of today's connected adventurer.

- 4.5" x 3" x 0.6" (11.4 x 7.6 x 1.5cm)
- 1.9 oz
- Output: Apple® Lightning , Apple® 30-pin, and micro USB
- Input: Standard USB [Power only - NO DATA]



F-PWRKNIFE \$24.99 each

BRUNTON WOW

Magnetic feet hold the light to most metal surfaces, or you can wrap the flexible legs around tree branches, tent webbing or pack straps and magnet the feet together for extra hold. The diffused lantern lens pops off to double as a flashlight handle, and the internal battery is Brunton SyncTech™ capable so you have bottomless burn time with a Brunton power setup.

- Magnetic feet and flexible legs allows Wow to hang, stick or stand
- Diffused lens keeps the glare down
- Lantern and flashlight mode
- Brunton SyncTech™ enabled, powers and charges from Brunton power packs
- Legs are removable and double as a tripod for small scopes or point and shoot cameras
- 50 lumens
- 5 hour high output/run time on internal lithium battery
- 10.5x1.5x1.5" (lantern), 6.7"x1.5"x1.5" (flashlight)
- Includes retractable cable and wall charger



F-TLWOW \$49.99 each

BRUNTON LINK

High-efficiency LEDs make for a low power draw and longer run times. Brunton SyncTech™ enabled, the Link is simultaneously charged and powered from Brunton USB based power packs. With both USB in and out, you can chain as many units together as you need to keep out the darkness.

- Durable rubberized shell
- Built in carabiner clip acts as stand or suspension loop
- Diffused lens keeps the glare down
- Brunton SyncTech™ enabled, powers and charges from Brunton power packs or solar panels
- Link unlimited units together
- 40 lumens on high
- 1 hour run time on internal lithium battery
- 2x2x2.25"
- Place face down for mood lighting
- Stand on end for directional lighting
- Includes retractable cable and wall charger



F-TLLINK \$34.99 each

EMERGENCY STROBE LIGHT

A hand-sized, battery powered, personal strobe light that emits pulsing beacons of light 50-70 times per minute, for up to 16 hours and will continue to flash at a diminished rate for up to 60 hours. The extremely bright amber flashing light can be seen at night or at dusk up to a distance of 3 miles depending on the prevailing atmospheric conditions.

Requires one D cell battery (not included)

- 5013-A Strobe Light w/ Amber Lens\$19.95 each
- AL-D D-Cell Battery \$.90 each



REPLACEMENT LENS

- LENS-R Red Lens\$2.00 each
- LENS-B Blue Lens\$2.00 each
- LENS-C Clear Lens\$2.00 each
- LENS-A Amber Lens\$2.00 each

MISC. OUTDOOR GEAR

SURVIVE OUTDOORS LONGER® EMERGENCY BLANKET

The most advanced emergency blanket on the market - meticulously designed to never fail when you're counting on it with your life. It all starts with the material, vacuum-metalized polyethylene, that reflects 90% of your body heat while also offering a number of other important features that set it apart from traditional mylar blankets; it opens easily and will not shred if nicked or punctured, rips and tears can be repaired, it is quiet and won't crinkle in high winds, and its high-visibility orange exterior makes it easy for rescuers to find you. Sized to fit one person.



0140-1222 \$5.00 each

SURVIVE OUTDOORS LONGER® EMERGENCY BIVVY

The same ultra-light, ultra-warm full protection shelter that professionals rely on. The Survive Outdoors Longer® Emergency Bivvy is made from the same heat-reflective polyethylene as Adventure Medical Kit's world-famous emergency blankets (reflecting 90% of your body heat back to you), with the added benefit of being fully sealed so that no wind, rain, or snow can get inside. If you're forced to spend the unexpected night outdoors, hop in the Survive Outdoors Longer® Emergency Bivvy as soon as the temperature drops and instantly improve the odds in your favor.



0140-1138 \$17.00 each

ROOT ASSASSIN ALL PURPOSE GARDEN SAW AND SHOVEL

The only double edged shovel and the only serrated shovel with 20 teeth! This patented all-purpose double edged shovel has serrated teeth on both sides that is designed specifically with the unique ability to cut the root while digging in and pulling out. The Root Assassin is the solution for getting to the root of the problem.

- Commercial grade 14-gauge blade
- Forward turned-step for secure foot placement
- Comfort D-grip handle for added leverage and control
- 4 lbs, 48", 16.5" Blade - tapers from 6" width at top to 2" width at tip



ROOTASSASSIN \$59.99 each

TEXSPORT HYDRA DUFFLE

- Made of strong and tough PVC fabric laminated over polyester mesh
- Water repellent
- Handle with padded strap
- Side compression straps
- Padded end grip loops for comfortable carrying
- Detachable shoulder carry strap
- Heavy-duty "U" zippers for easy access
- Molded padded reinforced bottom



11003 Hydra Duffle II, Green (23.5" X 12" X 12")..... \$44.95 each
 11004 Hydra Duffle II, Yellow (23.5" X 12" X 12")..... \$44.95 each

SAFARI-STYLE PITH HELMET

This lightweight pith helmet features an adjustable headband, absorbent sweatband and is double-lacquered with maximum water resistance. Made in the U.S.A.



Part number	Color	Quantity 1-5	Quantity 6+
SAFA-T/C	Tan	\$25.95 each	\$24.50 each
SAFA-W	White	\$25.95 each	\$24.50 each

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carhartt

CARHARTT CLOTHING

OUTDOOR GEAR

DUCK BIB OVERALL/UNLINED

The duck bib overall is made of heavy 12-ounce cotton duck. It features a variety of tool and utility pockets as well as a hammer loop. Double knees can accommodate knee pads and feature cleanout bottoms. Back pockets are reinforced for durability.



Inseam 28 – Waist Sizes 30-48
Inseam 30 – Waist Sizes 30-54
Inseam 32 – Waist Sizes 28-60
Inseam 34 – Waist Sizes 30-54
Inseam 36 – Waist Sizes 30-50

R01BRN-SZ Waists 28-50\$59.99 each
R01BRN-SZ Waists 52-60\$64.99 each

DENIM BIB OVERALL/UNLINED

The denim bib overall is the perfect work-wear choice for any season. Made of 11.75-ounce, 100% rigid denim, it features multiple tool and utility pockets, hammer loop and front elastic suspenders. Back pockets are reinforced for durability.



Inseam 30 – Waist Sizes 28-54
Inseam 32 – Waist Sizes 28-60
Inseam 34 – Waist Sizes 28-50
Inseam 36 – Waist Sizes 30-42

R08DNM-SZ Waists 28-50\$44.99 each
R08DNM-SZ Waists 52-60\$49.99 each

DOUBLE-FRONT WORK DUNGAREE

Double up on durability with our double-front work dungaree in 12-ounce, firm-hand, 100% ring-spun cotton duck. It features chap-style, double-front panels as well as double knees with cleanout bottoms to accommodate knee pads. It's cut to sit at the natural waist and offers a full seat and thigh. A hammer loop and multiple tool and utility pockets add convenience, and the 19-inch leg openings fit over work boots.



Inseam 28 – Waist Sizes 32-46
Inseam 30 – Waist Sizes 28-54
Inseam 32 – Waist Sizes 28-58
Inseam 34 – Waist Sizes 28-46
Inseam 36 – Waist Sizes 32-44

B01BRN-SZ Waists 28-50\$44.99 each

BOYS WASHED BIB OVERALL

The washed bib overall has double knees with cleanout bottoms. Made of 9-ounce, 100% cotton duck, it also features an adjustable shoulder strap with bib pocket and mock fly. 3m-24m has leg snaps. Also available in sizes 2T-4T.



Infant Sizes: 3mo – 24mo
YI01BRN-SZ\$22.99 each

Toddler Sizes: 2T – 4T
YTR01BRN-SZ\$24.99 each

ACCESSORIES

ACRYLIC WATCH HAT

The acrylic watch hat is made of stretchable, 100% acrylic rib-knit fabric for warmth and comfort. The Carhartt logo is sewn on the front of this classic, one-size-fits-all hat.



Available in: Dark Brown, Brite Orange, Brite Lime, Dark Green, Dark Red, Teal Blue, Deep Purple, Electric Blue, Greenland, Mineral Blue, Red Orange, Stone, Tangerine, Navy, Brown, Black, Coal Heather and Heather Gray. Please specify color when ordering.

Toddler Sizes: 2T – 4T

A18\$7.99 each

DUCK NAIL APRON

Constructed of rugged, 12-ounce, firm-hand cotton duck, our duck nail apron keeps nails and tools close at hand. The apron is outfitted with four large pockets, two smaller pockets and two tool loops. Pockets are rivet reinforced for strength. To ensure a comfortable fit, the apron features an adjustable nylon belt.



A09BRN-SZ\$17.99 each



carhartt

Full line of Carhartt clothing available.

Call for more information.

1-800-592-6940



BUSHNELL BINOCULARS

EXCURSION HD BINOCULARS

With nearly 10% more viewing area than the closest competitor, Excursion HD binoculars will cut a mountain down to size with less effort.



- Wide field-of-view
- PC-3 phase coating for color fidelity and clarity of image
- BaK-4 roof prisms
- Fully multi-coated optics
- 100% waterproof/fogproof construction
- Large, lockable center focus knob for precise focusing – even when wearing gloves
- Long eye relief
- Soft-Touch thumb grip

24-4208 8 x 42 mm.....\$ 178.95 per pair

ELITE 1 MILE ARC RANGEFINDER

The first laser rangefinder found under the Bushnell Elite Tactical family name, the Elite 1 Mile ARC is a remarkable advantage for long-range shooters.



- 7x magnification
- VDT (Vivid Display Technology)
- 2nd Generation E.S.P. (Extreme Speed. Precision.) - Provides up to 1/2 yard accuracy and 1/10-yard display precision
- VSI (Variable Sight-in)
- Rifle Mode – provides bullet-drop/holdover in CM, IN, MOA & MIL.
- BullsEye™ Brush™ and Scan mode
- Range: 5–1760 yards
- Diopter adjustment
- Compatible with magnetic attachment system
- Fully waterproof
- Built-in tripod mount
- Posi-Thread™ battery door

20-2421 7 x 26 mm.....\$599.00 per pair

PERMAFOCUS BINOCULARS

Streamlined roof prism model. Fully coated optics for superior light transmission and brightness. Unique "Focus-Free" feature which is ideal for sporting events. Non-slip rubber armor absorbs shock while providing a firm grip.



**Note: Focus-free models are designed for viewing distant subjects. The close-focus limit is subjective and dependent on the user's eyesight.*

17-3507 7 x 35 mm.....\$71.00 per pair
 17-1043 10 x 42 mm.....\$88.75 per pair
 17-5010 10 x 50 mm.....\$77.25 per pair
 17-5012 12 x 50 mm.....\$88.75 per pair

NATUREVIEW BINOCULAR

- BaK-4 prisms for bright, clear, crisp viewing
- Fully multi-coated optics* for superior light transmission and brightness
- Textured center focus knob for easy, precise adjustments
- Rugged, non-slip rubber armor absorbs shock
- Roof prism models are waterproof / fogproof

13-2000 8 x 42 \$145.75 per pair
 13-2010 10 x 42 \$162.75 per pair



13-2010



13-2000

LEGACY WP BINOCULARS

- BaK-4 prisms
- Fully multi-coated optics
- 100% waterproof / fogproof
- Wide-angle field of view
- Field of view: 178 ft - 10 ft @ 1,000 yds
- Rubber armored for secure grip
- Center focus
- Twist-up eyecups
- Long eye relief



12-0842 8 X 42mm Wide Angle\$113.50 per pair
 12-0150 10 x 50mm Wide Angle.....\$129.00 per pair
 12-1225 10-22 x 50mm Zoom.....\$177.00 per pair

POWerview BINOCULAR

- Fully-coated optics for a brighter view
- Non-slip rubber armor absorbs shock while providing a firm grip
- New Contemporary styling



13-2515 8 x 21mm Roof Prisms\$19.95 per pair
 13-1056 10 x 50mm Wide Angle, Porro Prisms.....\$79.95 per pair
 13-1250 BUSHNELL 12 x 50mm, Porro Prisms.....\$85.95 per pair

SPORT 850 LASER RANGEFINDER

- Extremely lightweight & lightning fast
- Compact design
- Vertical configuration
- 4x magnification
- Range: 7-850 yards
- Built-in battery indicator
- Includes carry case, neck strap and battery
- Posi-thread battery door



202205 4 x 20.....\$219.95 each

LEGEND ULTRA HD BINOCULAR

The key to their superior light transmission is the Ultra-Wide Custom Band anti-reflective lens coating. For high-definition viewing experience and sharp, color-true detail, they used ED Prime Glass. Add the all-weather assurance of our premium RainGuard HD technology and they're everything you've ever wanted in hunting binoculars. With a no-risk guarantee to back it up.

- BaK-4 prism glass
- Bullet Proof Money Back Guarantee
- ED Prime Glass
- Ultra Wide Band Coating
- RainGuard® HD water-repellent lens coating
- Ultra wide field-of-view
- Long eye-relief
- Lightweight, magnesium chassis
- Waterproof/fogproof
- Soft touch grips
- Locking diopter
- Includes: premium carry case, neckstrap, microfiber lens cloth and deluxe binocular harness



19-1042 10 x 42\$299.00 per pair

OUTDOOR GEAR

BINOCULARS/ACCESSORIES



PROSTAFF 7S SERIES BINOCULARS

- All lenses and prisms are multilayer-coated for brighter images
- Phase-correction-coated roof prisms for higher resolution
- High-reflection mirror-coating prisms for a bright image
- High-eyepoint design ensures a clear field of view, even for eyeglass wearers
- Turn-and-slide rubber eyecups with multi-click facilitate easy positioning of eyes at the correct eyepoint
- Waterproof (up to 1m/3.3 ft. for 10 minutes) and fog-free with nitrogen gas
- Rubber armoring for shock resistance and a firm, comfortable grip
- Eco-glass optics that are free of lead and arsenic are used for all lenses and prisms



NI7537

NI7537 8X42.....\$189.95 per pair
 NI7538 10X42.....\$199.95 per pair

TRAILBLAZER ATB BINOCULARS

- Waterproof, Fogproof
- Rubber armored body
- Nitrogen filled and O-ring sealed
- Turn and slide eyecups



NI8239 10X42.....\$249.95 per pair

STABLEYES MARINE BINOCULARS

- Reduced vibration for superior performance and steady view
- Fully multilayer-coated lenses for optimal brightness
- Phase-correction-coated prisms for high resolution
- Waterproof and fog-free with O-ring seals and nitrogen gas
- Ergonomic styling for comfortable grip, easy access to controls
- Floating strap provided
- Two vibration reduction modes:



LAND MODE for when footing is secure, to compensate for vibration from hand-shake and binocular movement when user follows a moving subject while studying nature or watching sports

ON BOARD MODE for when footing is unstable due to strong vibration - for example, from an engine or strong wind

NI8211 14X40 VR (Dual Mode).....\$1,799.95 per pair

MONARCH 5 ATB BINOCULARS

- Dielectric High-Reflective Multilayer Prism Coating
- Fully multicoated lenses
- Durable and protective, rubber-armored coating
- Lightweight, Slim Design
- Smooth central focus knob
- Multi-setting click stop eyecups
- Precision aligned optics
- Waterproof, Fogproof



NI7542 8X42.....\$308.25 per pair
 NI7543 10X42.....\$329.95 per pair
 NI7544 12X42.....\$349.95 per pair

4-SECTION ALUMINUM TRIPOD

This anodized aluminum tripod brings all the features of a multi-functional tripod to a more affordable metal frame. Non-slip rubber feet.

- Two attached "leg warmers"
- Push button leg angle adjustment
- Reversible column riser
- 3/8" threaded screw head
- Removable 3-way pan head
- Built-in bubble level
- Includes: adjustment key and case
- Frame / body material: aluminum
- Size / Style: 4-Section, 28.5" to 70.5"
- Weight: 112 oz



F-TPOD-240-ALPR.....\$199.95 each

ECHO POCKET SCOPE

Impressive performance in a 7x18 monocular, with top-end BaK-4 prism glass and multi-coated optics. Bright, sharp image as close as 13 inches.

- BaK-4 prism glass
- Multi-coated
- Power: 7X
- Objective diameter: 18mm
- Eye relief: 12mm
- Exit pupil: 2.6mm
- Polymer frame
- Weight: 1.8 oz
- Close focus: 1.1 ft
- Includes: lanyard and case
- Limited lifetime warranty
- Field of view: 181 ft @ 1,000 yds



F-ECHO7018.....\$19.99 each



ECHO ZOOM MONOCULAR

One of the smallest zoom monoculars on the planet, yet well equipped with lens multi-coating and BaK-4 prism glass for a sharp image when you need it. Compact size keeps it close at hand, ready for use. Includes lanyard and case



- BaK-4 prism glass
- Multi-coated
- Tripod compatible
- Power: 10X - 30X
- Objective diameter: 21mm
- Eye relief: 12mm
- Exit pupil: 2.4mm - 1.8mm
- Field of view: 178 ft - 10 ft @ 1,000 yds
- Eye cup type: fold down
- Aluminum body
- Weight: 3.2 oz
- Close focus : 10 ft
- Limited lifetime warranty

F-ECHOZOOM 10-30x21.....\$39.99 each

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