

PortaCo



RAILROAD TOOLS



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SAFE **ERGONOMIC** **EFFICIENT** RELIABLE

HYDRAULIC POWER UNITS AND TOOLS FROM THE EXPERTS

PortaCo is one of the leading producers of hydraulic power units for a number of industries as well as hydraulic tools and machines used in railway track construction and maintenance. Over 35 years of experience and expertise in the area of hydraulics characterize our Company. A history of over 25,000 Power Units and 20,000 Railroad Tools demonstrate this exceptional performance to serve our customers.

PortaCo offers its worldwide customers a vast variety of standard proven high quality products, made in America. Our products can be specifically customized to its customers' needs and are specifically characterized by their safe, ergonomic, reliable and efficient design. The ergonomic design helps to minimize the impact on the worker. The reliability assures that it will support any workforce whenever needed.

Our memberships:



MEMBER OF  **GOLDSCHMIDT**
THERMIT GROUP



THE BENEFITS OF HYDRAULICS

- » The power to weight ratio of hydraulic tools is unbeatable
- » Hydraulic power units can power many different tools
- » Closed system with minimal wear and few parts that need to be renewed
- » The tools are user-friendly with less vibration than many other tools on the market
- » Quieter than air compressors
- » More efficient in cold weather conditions, compared with air compressors
- » Use in difficult environmental conditions
- » Versatility and long operative life of tools
- » Transportability and economy of tools and accessories
- » Greater safety: hydraulics is implicitly free of electric shock hazards
- » Minimal transport costs
- » Less downtime costs
- » Low investment costs

GRINDING

PROFILE GRINDER

GP-10-29-O



HYDRAULIC, 10 GPM / 40 LPM

HTMA TYPE RR

PRECISE AND USER-FRIENDLY REPROFILING OF RAILS

The profile grinder allows the precise and user-friendly re-profiling of rail heads and rail joints after rail joining and repair welding on rail surfaces and edges. The profile grinder is a proven machine suitable for all types of rail.

Feature	Function	Benefit
Convenient handle with trigger on/off operation	Automatically stops tool operation when released	Increased operational safety
Durable steel frame construction	Long Life	Less downtime
All encompassing spark guard	Considerably reduces the number of sparks	Optimum protection for personal safety
Over-speed valve	Protects motor and grindstone from excessive RPM	Extended motor and grindstone life

Specifications	Accessories	POWER UNITS
Max. flow: 10 GPM / 40 lpm Max. pressure: 2000 PSI / 140 bar Weight: 95 lb / 43 kg Dimensions (LxWxH): 45.5 x 16 x 35 inch / 1156 x 406 x 889 mm Quick Couplers: 3/8 HTMA (ISO 16028)	» Replacement Grinding Stone » Stone Removal Wrench » Hose Set	D-23, E-15, G-18, G-21, G-23, G-31



WEB GRINDER

GW-10-89-O



HYDRAULIC, 10 GPM / 40 LPM

HTMA TYPE RR

ERGONOMIC AND SOPHISTICATED GRINDING OF THE RAIL WEB

The hydraulic web grinder is designed for grinding the web of the rail after the welding process. It is also suitable for cleaning the side of the rail for preparation of rail joining. The tool has an ergonomic design and a sophisticated operating concept.

Feature	Function	Benefit
Adjustable handle for comfortable and ergonomic use	For operation at the desired height	For high comfort and ergonomics (less back pain)
Roller bearings for movement along the rail	For smooth movement along the rail	Ease of use and precise operation

Specifications

Max. flow: 10 GPM / 40 lpm
 Max. pressure: 2000 PSI / 140 bar
 Weight: 34 lb / 15 kg
 Dimensions (LxWxH): 47 x 29 x 27-38 inch /
 1194 x 737 x 686-965 mm
 Quick Couplers: 3/8 HTMA (ISO 16028)

Accessories

- » Replacement Grinding Stone
- » Stone Removal Wrench
- » Hose Set

POWER UNITS

D-23, E-15, G-18,
 G-21, G-23, G-31



STRAIGHT HAND GRINDER

GH-10-28-O



HYDRAULIC, 10 GPM / 40 LPM

HTMA TYPE RR

ERGONOMIC AND SAFE GRINDING FOR SURFACE PREPARATION

The hand grinder is a general purpose grinder used for top, face and side grinding as well as surface preparation or rail end finishing.

Feature	Function	Benefit
Encompassing spark guard	Considerably reduces the number of sparks	For optimum protection
Ergonomic handle	Trigger that automatically stops tool operation when released	Increased operational safety

Specifications	Accessories	POWER UNITS
Max. flow: 10 GPM / 40 lpm Max. pressure: 2000 PSI / 140 bar Weight: 16 lb / 7 kg Dimensions (LxWxH): 21 x 11 x 12 inch / 533 x 279 x 305 mm Quick Couplers: 3/8 HTMA (ISO 16028)	» Replacement Grinding Stone » Stone Removal Wrench » Hose Set	D-23, E-15, G-18, G-21, G-23, G-31



BULL NOSE GRINDER

GB-05-65-O



HYDRAULIC, 5 GPM / 20 LPM

HTMA TYPE I

EFFICIENT TOOL FOR DEBURRING OF DRILLED HOLES

The bull nose grinder is an efficient tool for the deburring of drilled holes in preparation for rail joining.

Feature	Function	Benefit
Frame design	Allows heat separation from operator hands	For additional safety, operator protection
Anti-vibration handles	Low vibration transfer	High ergonomics
Rugged design	Robust design for construction site use	Long lifetime

Specifications

Max. flow: 5 GPM / 20 lpm
 Max. pressure: 2000 PSI / 140 bar
 Weight: 12 lb / 5 kg
 Dimensions (LxWxH): 19 x 6.5 x 9 inch / 483 x 165 x 2329 mm
 Quick Couplers: 3/8 HTMA (ISO 16028)

Accessories

- » Replacement Grinding Stone
- » Stone Removal Wrench
- » Hose Set

POWER UNITS

G-05, G-09, G-18



RAIL NOTCHER**RN-10-F4-O**

HYDRAULIC, 10 GPM / 40 LPM

HTMA TYPE RR

QUICK AND EFFICIENT GRINDING OF RAIL HEADS

The rail notcher is a quick and efficient tool to notch the head of the rail for head repair welds. The large diameter grinding stone has a long life.

Feature	Function	Benefit
Industry leading spark arrester system	Protects user and environment	For fire prevention and user safety
Adjustable handle	Allows the user to find the optimal working position	For ease of operation
Pivoting arm	Provides pendulum motion	Extending stone life and precise operation

Specifications	Accessories	POWER UNITS
Max. flow: 10 GPM / 40 lpm Max. pressure: 2000 PSI / 140 bar Weight: 41 lb / 19 kg Dimensions (LxWxH): 47 x 29 x 28 inch / 1194 x 737 x 711 mm Quick Couplers: 3/8 HTMA (ISO 16028)	» Replacement Grinding Stone » Stone Removal Wrench » Hose Set	D-23, E-15, G-18, G-21, G-23, G-31



FLANGEWAY CLEANER

GW-10-89-1



HYDRAULIC, 10 GPM / 40 LPM

HTMA TYPE RR

FAST AND EFFICIENT CLEANING TOOL

The flangeway cleaner is a fast and efficient way of cleaning crossing flanges of debris and ice. It is also available in a petrol-powered model.

Feature	Function	Benefit
Twin flails and brushes	Flexible and effective cleaning of crossing flanges	Acts together for complete cleaning
Adjustable handle	Allows the user to find the optimal working position	For high comfort and ergonomics
Folding frame	Can be easily folded together	For compact storage and transportation

Specifications

Max. flow: 10 GPM / 40 lpm
 Max. pressure: 2000 PSI / 140 bar
 Weight: 34 lb / 15 kg
 Dimensions (LxWxH): 47 x 29 x 38 inch /
 1194 x 737 x 965 mm
 Quick Couplers: 3/8 HTMA (ISO 16028)

Accessories

- » Replacement Flails and Brushes
- » Hose Set

POWER UNITS

D-23, E-15, G-18,
 G-21, G-23, G-31



CUTTING

RAIL SAW

SR-10-26-1



HYDRAULIC, 10 GPM / 40 LPM

HTMA TYPE RR

IMPROVED ERGONOMICS AND OPTIMUM PROTECTION

The hydraulic rail saw with its bell-crank clamp offers improved ergonomics and optimum protection as well as precise results.

Feature	Function	Benefit
Bell-crank clamp	Enables precise cutting from a standing position	Improved ergonomics and personal safety
Free floating spark guard	Protects user and environment from all angles	Optimum protection
Over-speed valve	Protects motor and blade from excessive RPM	Extended motor and blade life

Specifications	Accessories	POWER UNITS
Max. flow: 10 GPM / 40 lpm Max. pressure: 2000 PSI / 140 bar Weight: 35 lb / 16 kg Dimensions (LxWxH): 45 x 11 x 27 inch / 1143 x 279 x 686 mm Quick Couplers: 3/8 HTMA (ISO 16028)	» Replacement Saw Blade » Hose Set	D-23, E-15, G-18, G-21, G-23, G-31



RAIL SAW

GS-00-90-O



GAS

POWERFUL GAS ENGINE ENSURES FAST CUTTING

The powerful gas engine ensures fast cutting of the rail.

Feature	Function	Benefit
Double fixture attachment	Provides exact cuts from two directions	Flexible use on construction sites
Quick release clamp	Quick disconnect from railhead	Saves time
Fast and stable cutting	Prevents misuse	Increased safety

Specifications

Weight: 47 lb/ 21 kg
 Dimensions (LxWxH): 36 x 9.5 x 18 inch/
 914 x 241 x 457 mm

Accessories

» Replacement Saw Blade

DRILLING

TIE DRILL

DT-10-H3-O



HYDRAULIC, 10 GPM / 40 LPM

HTMA TYPE RR

ERGONOMIC DESIGN FOR DRILLING HOLES FROM STANDING POSITION

The tie drill is ergonomically designed to drill holes from a standing position to reduce back strain. This tool features a trigger lock and hydraulic hoses that are not in contact with operator's hands for added safety as well as a telescopic drill bit guard with built-in depth stop for safe and accurate operation.

Feature	Function	Benefit
Ergonomic design	To drill holes from a standing position	High comfort and ergonomics
Weight: 33 lb/ 15 kg	Lightweight design	Reduces back pain
Telescoping bit guard	Built-in depth stop	For safe and accurate hole drilling

Specifications

Max. flow: 10 GPM / 40 lpm
Max. pressure: 2000 PSI / 140 bar
Weight: 33 lb / 15 kg
Dimensions (LxW xH): 4 x 19 x 32 inch /
102 x 483 x 813 mm
Quick Couplers: 3/8 HTMA (ISO 16028)

Accessories

- » Replacement Drill Bits
- » Drill Guide
- » Hose Set

POWER UNITS

D-23, E-15, G-18,
G-21, G-23, G-31



RAIL DRILL

RD 330 P



GAS

EFFICIENT RAIL WEB DRILLING OF FLAT BOTTOM AND GROOVED RAILS

The latest rail drilling machine from Goldschmidt Thermit Group enables quick and precise drilling of the rail web and is equipped with a special quick clamp device.

Feature	Function	Benefit
Drilling time approx. 20 to 60 seconds depending on hole diameter and rail hardness	Quick machining of the rail	Short process time
Special quick clamp device	Enables quick positioning and removal of machine	Short process time in handling
Hole diameter range: 0.24 to 1.6 inch	Cutters in different sizes	Flexible use at the construction site
Weight: 39.7 lb / 18.0 kg	Lightweight construction	One-man operation
Ideal center of gravity	Easy handling	User-friendly

Specifications

Engine output: 1.5 kW
 Engine speed under load: 4100 rpm
 Weight: 39.7 lb / 18.0 kg
 Dimensions (LxWxH): 23.0 x 13.4 x 15.6 inch /
 583 x 341 x 395 mm

Accessories

- » Replacement Core and Twist Cutters
- » Rail profile templates for all common profiles, special templates available on request
- » Coolant tank with pressure pump
- » Clamping devices for flat bottom and grooved rails

DRILLING

IMPACT DRILL

DI-05-76-O



HYDRAULIC, 5 GPM / 20 LPM

HTMA TYPE I

LIGHTWEIGHT DRILLING TOOL FOR WOODEN POLES AND TIES

The impact drill is constructed in a lightweight design and ideal for drilling into wooden poles and ties.

Feature	Function	Benefit
Light weight design with standard 7/16" hex quick chuck	Easy and upright operation	High flexibility and ergonomics
Delivering impact torque of up to 500 ft. lbs.	High drilling torque	Time saving
Oversized feathering trigger	Easy handling	Ease of use and precise operation

Specifications	Accessories	POWER UNITS
Max. flow: 5 GPM / 20 lpm Max. pressure: 2000 PSI / 140 bar Weight: 8 lb / 4 kg Dimensions (LxWxH): 9 x 3 x 10 inch / 229 x 76 x 254 mm Quick Couplers: 3/8 HTMA (ISO 16028)	» Replacement Drill Bits » Drill Guide » Hose Set	G-05, G-09, G-18



RAIL DRILL

RD-05-A9-O



HYDRAULIC, 5 GPM / 20 LPM

HTMA TYPE I

HIGH QUALITY LIGHTWEIGHT TOOL

The rail drill is a lightweight machine with an impressive performance. A simple forward/reverse lever turns the quill feed arbor on or off. The self-feed feature provides easy operation and extended bit life. The tool can be used with flat bottom, grooved and crane rails. The machine offers holders to place extra bits.

Feature	Function	Benefit
Quick adjusting clamp for flat bottom, grooved and crane rails	Enables quick positioning and removal of machine	Flexibility and time savings
High quality annular cutter	Enables many drillings with one drill bit	High economy through particularly long service life
Self feeding	Automatic propulsion of the drill	Reduces human error
Weight: 48 lb/ 22 kg	Lightweight design	One-man operation and easy transport

Specifications

Max. flow: 5 GPM / 20 lpm
 Max. pressure: 2000 PSI/ 140 bar
 Weight: 48 lb/ 22 kg
 Dimensions (LxWxH): 23 x 7 x 13 inch/
 584 x 178 x 330 mm
 Quick Couplers: 3/8 HTMA (ISO 16028)

Accessories

- » Replacement Cutters
- » Hose Set

POWER UNITS

G-05, G-09, G-18



RAIL DRILL

RD-00-A9-O



GAS

ERGONOMIC FEED HANDLE AND SIMPLE CLAMPING SYSTEM

The rail drill has a powerful and reliable 4-stroke gas-operated engine. The tool features a quill feed arbor with thru-the-tool cooling. It has an ergonomic feed handle and a simple clamping system. The ideal center of gravity and a weight of only 45 lbs/21 kg makes it extremely easy to transport the tool. Clamps are available for drilling flat bottom, crane or girder rails.

Feature	Function	Benefit
Quick adjusting clamp for flat bottom, grooved and crane rails	Enables quick positioning and removal of machine	Flexibility and time saving
High quality annular cutter	Enables many drillings with one drill bit	Highly economical through particularly long service life
4-stroke gas-operated engine	No oil mixing required	High flexibility – no power unit needed
Weight: 45 lb/21 kg	Lightweight construction	One-man operation and easy transport

Specifications	Accessories
Weight: 45 lb/21 kg Dimensions (LxWxH): 23 x 7 x 18 inch/ 584 x 118 x 457 mm	» Replacement Cutters

IMPACT WRENCH

WI-10-60-O (1")



HYDRAULIC, 10 GPM / 40 LPM

HTMA TYPE RR

EASY FAST LOOSENING AND TIGHTENING OF BOLTS AND NUTS

The impact wrench enables the easy and fast loosening and tightening of bolts and nuts. The flip over handle allows for increased operator comfort. The rugged design incorporates an integral motor and heavy-duty mechanism for the rigors of track maintenance.

Feature	Function	Benefit
Swing handle	Usable in a vertical and horizontal position	More convenient use
Cushion grips	Reduction of vibration	Increased operator comfort
Highly efficient hydraulic motor	Production of up to 3800 Nm of torque	Efficient working through reduced downtimes and execution of demanding maintenance work

Specifications	Accessories	POWER UNITS
Max. flow: 10 GPM / 40 lpm	» Impact Sockets	D-23, E-15, G-18,
Max. pressure: 2000 PSI / 140 bar	» Hose Set	G-21, G-23, G-31
Weight: 26 lb / 12 kg		
Dimensions (LxWxH): 14 x 7 x 9 inch / 356 x 178 x 229 mm		
Quick Couplers: 3/8 HTMA (ISO 16028)		



LAG DRIVER

DL-10-B1-2



HYDRAULIC, 10 GPM / 40 LPM

HTMA TYPE RR

FAST EFFICIENT LOOSENING AND TIGHTENING OF LAG BOLTS

The lag driver allows loosening and tightening of lag bolts while in a standing position to reduce back strain. The lag driver is fast and efficient so the job can be completed quickly. Adapters are available for dome, torx, square and exposed rectangular lag bolts.

Feature	Function	Benefit
Install and remove lag bolts while in a standing position	Solve and tighten nuts with specified torque in standing position	High operator comfort
Adapters for dome, torx, square and rectangle lag bolts	Flexible usage	Efficient working and execution of maintenance work

Specifications	Accessories	POWER UNITS
Max. flow: 10 GPM / 40 lpm Max. pressure: 2000 PSI / 140 bar Weight: 40 lb / 18 kg Dimensions (LxWxH): 5.0 x 16.5 x 29 inch / 127 x 419 x 737 mm Quick Couplers: 3/8 HTMA (ISO 16028)	» Impact Sockets » Hose Set	D-23, E-15, G-18, G-21, G-23, G-31



IMPACT WRENCH

GW-00-84-1



GAS

EASY HANDLING AND HIGHLY FLEXIBLE LOOSENING AND TIGHTENING OF BOLTS

The lightweight wrench is driven by a powerful 2 cycle engine which produces up to 1250 ft lbs of torque. The tool is equipped with vibration reducing grips for greater operator comfort and can be used horizontally or vertically.

Feature	Function	Benefit
Weight: 52 lb/ 24 kg	Lightweight design	One-man operation and easy transport
Quick adjusting clamp	Enables quick positioning and removal of machine	Fast attachment and short process time
Annular cutter	Loosens tough nuts and bolts and can quickly re-torque them back on	Efficient working and execution of demanding maintenance work
4-stroke engine	Easy handling and high flexibility	Ease of use

Specifications

Weight: 52 lb/ 24 kg
 Dimensions (LxWxH): 26 x 15 x 11 inch/
 660 x 380 x 280 mm

Accessories

» Impact Sockets



DEAD HEAD DRIVER

DH-05-H9-O

HYDRAULIC, 5 GPM / 20 LPM

HTMA TYPE I

MORE COMFORT AND IMPROVED ERGONOMICS WITH REMOVAL OF BROKEN SPIKES, SCREWS AND BOLTS

The dead head driver offers a high rate of blows per minute which enables easy removal of broken spikes, screws, through bolts and hook bolts. Standing operation reduces back strain common with other methods of removal. It eliminates the use of hand held punches and hammers reducing the likelihood of injury. The tool can also be fitted with additional bits for chipping ice or tie tamping.

Feature	Function	Benefit
Drive broken spikes, screws, through bolts and hook bolts	Flexible usage	High efficiency
Product design enables standing operations	Easy and ergonomic handling	Reduces back strain
Eliminates the use of hand held punches and hammers	Reducing likelihood of injury	Operator safety
Diverse bits available	Combines different tools in one	Flexible use

Specifications	Accessories	POWER UNITS
Max. flow: 5 GPM / 20 lpm Max. pressure: 2000 PSI/ 140 bar Weight: 44 lb/ 20 kg Dimensions (LxWxH): 4 x 16 x 38 inch/ 102 x 406 x 965 mm Quick Couplers: 3/8 HTMA (ISO 16028)	» Dead Head Bit » Ice Breaker Bit » Tie Tamper Bits » Hose Set	G-05, G-09, G-18



SPIKE SETTER

SS-00-K1-O



MANUAL

USER-FRIENDLY AND ERGONOMIC SPIKE SETTING BEFORE DRIVING

The spike setter is designed for setting spikes into ties before driving. The tool enables the user to work in a standing position. The cushion grips allow the operator to set spikes with less fatigue. The magnetic holder secures the spike for placement.

Feature	Function	Benefit
Telescoping main tube	Enables to work in a standing working position	Increased user-friendliness
Cushion grips	Allows the operator to set spikes with less fatigue	Improved ergonomics
Magnetic spike holder and slide hammer	Secures the spike for placement	Increased user-friendliness

Specifications

Weight: 15 lb/ 7 kg

Dimensions (LxWxH): 40 x 15.3 x 3.3 inch/ 1016 x 389 x 84 mm

SPIKE TESTER

ST-00-99-0



MANUAL

LIGHTWEIGHT TOOL TO SAFELY DETERMINE BROKEN OR LOOSE SPIKES

The spike tester is designed to determine broken or loose spikes. The lightweight design allows for ease of use. The spike tester eliminates the use of a heavy claw bar and is safer than traditional methods.

Feature	Function	Benefit
Lightweight design	Operation and transport with ideal body posture	Improved ergonomics
Design simplifies testing of spikes	Eliminates the use of heavy claw bar	Ease of use

Specifications

Weight: 4 lb / 2 kg

Dimensions (LxWxH): 6 x 2.75 x 36 inch / 152 x 70 x 914 mm



SPIKE PULLER

PS-10-74-O (SINGLE STAGE) / PS-10-74-1 (TWO STAGE)

HYDRAULIC, 10 GPM / 40 LPM

HTMA TYPE RR

SIMPLE AND EFFICIENT SPIKE PULLING

The spike puller provides the ultimate in spike removal. Spike extraction can be accomplished from any position making spike pulling simple and efficient.

Feature	Function	Benefit
Rotating handle for easier use	Operator can select most comfortable position to pull spikes	High ergonomics
90-degree swivel hose connection	Protects the hydraulic hoses against kinking and breaking	Improved safety for operator and environment
Whip hoses and standard jaws included	Immediately ready for use after delivery	No need for set-up

Specifications	Accessories	POWER UNITS
Max. flow: 10 GPM / 40 lpm Max. pressure: 2000 PSI / 140 bar Weight: 46 lb / 21 kg Dimensions (LxWxH): 4 x 16 x 36 inch / 102 x 406 x 914 mm Quick Couplers: 3/8 HTMA (ISO 16028)	» Hose Set	D-23, E-15, G-18, G-21, G-23, G-31



SPIKE DRIVER

DS-10-J2-O



HYDRAULIC, 5–8 GPM / 20–32 LPM

HTMA TYPE II

FAST AND EFFICIENT DRIVING OF SPIKES

The spike driver is one of the most efficient tools in the market with its 1050 blows per minute. This lightweight tool guarantees the best ergonomics and ease of use. The 67 lbs/ 30 kg weight allows for easy transportation. Anti-recoil technology and anti-vibration handles allow for a more ergonomic operation.

Feature	Function	Benefit
Anti-recoil technology and anti-vibration handles	Isolates the operator from the tool's vibration, whereby reducing operator fatigue	Improved ergonomics
1" shank size	Accepts optional tools	High flexibility
Weight: 67 lb/ 30 kg	Lightweight design	One-man operation

Specifications	Accessories	POWER UNITS
Max. flow: 5–8 GPM / 20–32 lpm Max. pressure: 2000 PSI / 140 bar Weight: 67 lb / 30 kg Dimensions (LxW xH): 4 x 16 x 38 inch / 102 x 4106 x 965 mm Quick Couplers: 3/8 HTMA (ISO 16028)	» Hose Set	D-23, E-15, G-18, G-21, G-23, G-31





BALLAST TAMPER

TB 5000 P

GAS

EFFICIENT COMPRESSION OF BALLAST AND TAMPING OF RAILWAY SLEEPERS

The Ballast Tamper TB 5000 P is a robust and practical tool for repair and maintenance work. The ballast is compressed without any damage. An innovative suspension system considerably reduces hand-transmitted vibration of the machine and therefore ensures easy handling for the operator.

Feature	Function	Benefit
Innovative suspension and vibration concept	Low vibration transfer even with full tamping power	Increased user-friendliness
Special tamping blade design with specially developed oscillatory motion	Non-destructive tamping also beneath the sleeper	Increased sustainability and high functionality
Quick change between vibrating plate and tamping blade	Reduction of set-up time between working steps	Increased efficiency
Low weight	Simplified operation and transport	Improved ergonomics

Specifications

Weight: 52 lb / 24 kg
 Dimensions (LxWxH): 26 x 9 x 40 inch /
 660 x 235 x 1016 mm

SAFELOK REMOVER

LR-05-81-O



HYDRAULIC, 5 GPM / 20 LPM

HTMA TYPE I

QUICK AND EASY REMOVAL OF SAFELOK CLIPS

The safe lok remover is designed for the quick and easy removal of safe lok clips. This lightweight tool assures an easy and comfortable use. The safe lok remover eliminates the use of hammers and punches.

Feature	Function	Benefit
Weight: 38 lbs / 17 kg	Lightweight design	One-man operation
Stand up operation	Ergonomic design	Protects against back strain
Robust design	Steel construction for durable usage	Long lifetime

Specifications	Accessories	POWER UNITS
Max. flow: 5 GPM / 20 lpm Max. pressure: 2000 PSI / 140 bar Weight: 38 lb / 17 kg Dimensions (LxWxH): 12 x 10 x 37 inch / 305 x 254 x 940 mm Quick Couplers: 3/8 HTMA (ISO 16028)	» Hose Set	G-05, G-09, G-18



SAFELOK INSTALLER

CI-05-94-1



HYDRAULIC, 5 GPM / 20 LPM

HTMA TYPE I

FLEXIBLE AND EASY INSTALLING OF SINGLE OR DUAL SAFELOK CLIPS

The safelok installer is designed to install single or dual safelok clips. This tool will help eliminate the use of other methods that increase the likelihood of injury. When properly used this tool will help reduce back strain and also reduce operator fatigue.

Feature	Function	Benefit
Multi-purpose tool	Single or dual safelok clips, type I and III	Flexible use at the construction site
Zero gravity wheel kit	Less effort moving the tool along the rail	Ease of use
Automatically opening jaws	Automatically open when the trigger is released	Easy operation – workload reduction

Specifications	Accessories	POWER UNITS
Max. flow: 5 GPM / 20 lpm Max. pressure: 2000 PSI / 140 bar Weight: 52 lb / 24 kg Dimensions (LxWxH): 23 x 28 x 45 inch / 584 x 711 x 1143 mm Quick Couplers: 3/8 HTMA (ISO 16028)	» Hose Set	G-05, G-09, G-18



E-CLIP INSTALLER

EI-05-A3-2 / EI-05-A3-3



HYDRAULIC, 5 GPM / 20 LPM

HTMA TYPE I

HIGH SAFETY AND SMOOTH INSTALLATION OF PANDROL E-CLIPS

The tool installs Pandrol e-Clips with smooth hydraulic operation. The e-clip installer reduces the fatigue experienced with manual installation and reduces back strain and injuries compared to traditional methods of installation.

Feature	Function	Benefit
Stand up operation	Ergonomic design	Reduces back strain, less fatigue
Weight: 33.5 lb / 15 kg	Lightweight design	One-man operation
Installs e-Clips with smooth hydraulic operation	Eliminates the manual use of clip installation	Increased safety and comfort

Specifications	Accessories	POWER UNITS
Max. flow: 5 GPM / 20 lpm Max. pressure: 2000 PSI / 140 bar Weight: 33.5 lb / 15 kg Dimensions (LxWxH): 19.5 x 6 x 37 inch / 495 x 152 x 940 mm Quick Couplers: 3/8 HTMA (ISO 16028)	» Hose Set	G-05, G-09, G-18



E-CLIP REMOVER

ER-05-A4-O



HYDRAULIC, 5 GPM / 20 LPM

HTMA TYPE I

EASY REMOVAL OF E-CLIPS FROM PANDROL ROLL PLATES

The e-clip remover is used to easily remove e-Clips from Pandrol roll plates. The hydraulic operation eliminates the use of manual tools.

Feature	Function	Benefit
Auto return function	Easily removes e-Clips	Fast and easy operation
Durable steel construction	Robust design	Long lifetime

Specifications	Accessories	POWER UNITS
Max. flow: 5 GPM / 20 lpm Max. pressure: 2000 PSI / 140 bar Weight: 33.5 lb / 15 kg Dimensions (LxWxH): 19.5 x 6 x 39 inch / 495 x 152 x 991 mm Quick Couplers: 3/8 HTMA (ISO 16028)	» Hose Set	G-05, G-09, G-18



E-CLIP REMOVER**ER-05-A2-O**

HYDRAULIC, 5 GPM / 20 LPM

HTMA TYPE I

BACK-FRIENDLY REMOVAL OF E-CLIPS FROM THE ANCHOR

The e-clip remover is designed to remove e-Clips from the anchor. This tool will help eliminate the use of other methods that increase the likelihood of injury. When properly used this tool will help reduce back strain and also reduce operator fatigue.

Feature	Function	Benefit
Stand up operation	Ergonomic design	Reduces back strain, less fatigue
Weight: 28 lb / 13 kg	Lightweight design	One-man operation
Removing of e-Clips with smooth hydraulic operation	Eliminates the manual use of clip removing	Increased safety and comfort

Specifications	Accessories	POWER UNITS
Max. flow: 5 GPM / 20 lpm Max. pressure: 2000 PSI / 140 bar Weight: 28 lb / 13 kg Dimensions (LxWxH): 10.5 x 13 x 33.5 inch / 267 x 330 x 851 mm Quick Couplers: 3/8 HTMA (ISO 16028)	» Hose Set	G-05, G-09, G-18



LOADING ARM

LA-00-83-O



MANUAL

INTELLIGENT SIMULATION OF LOADS ON CURVES

The loading arm is used to simulate loads on curves. The tool can push or pull on the rail and is powered by a self-contained hydraulic system.

Feature	Function	Benefit
Insulated frame	Prevents shunting of signals	Increased safety
Weight: 57 lb / 26 kg	Ergonomic design	One-man operation
Durable steel construction	Robust design	Long lifetime

Specifications

Weight: 57 lb / 26 kg

Dimensions (LxWxH): 66-79 x 5 x 9 inch / 1676-2006 x 127 x 229 mm

GAUGING ARM (WEB)

TA-00-A6-O



MANUAL

PUSHING AND PULLING OF RAILS TO SET TRACK GAUGE

The gauging arm (web) allows the pushing or pulling of the rail to set track gauge. The tool applies force to the web of the rail to maintain positioning. The tool is powered by a self-contained hydraulic system.

Feature	Function	Benefit
Insulated frame	Prevents shunting of the track	Increased safety
Durable steel construction	Robust design	Long lifetime

Specifications

Weight: 90 lb / 41 kg

Dimensions (LxW xH): 69 x 6 x 16 inch / 1752 x 152 x 406 mm

GAUGING ARM (BALL)

TA-00-A6-1



MANUAL

EASY GAUGING OF PANELS

The gauging arm (ball) gauges off the ball of the rail which allows for easy gauging of panels. Rollers allow easy movement along the rail. The tool is powered by a self-contained hydraulic system.

Feature	Function	Benefit
Insulated frame	Prevents shunting of the track	Increased safety
Durable steel construction	Robust design	Long lifetime
Rollers	Allows easy movement along the rail	Ease of operation

Specifications

Weight: 123 lb / 56 kg

Dimensions (LxWxH): 69 x 6 x 16 inch / 1752 x 152 x 406 mm

WELD SHEAR

WS-10-64-4 / WS-00-64-4



HYDRAULIC / MANUAL, 10 GPM / 40 LPM

HTMA TYPE RR

AUTOMATED AND CONTROLLED CUTTING

The weld shear is a lightweight tool for easy carrying and operation. The shear has controlled cutting speed to enable a consistent cutting action with automatic rapid retract to speed up the process. The weld shear is equipped with replaceable blades that can be changed for different rail profiles.

Feature	Function	Benefit
Easy actuation lever	Controls shear speed and automatically retracts when released	Automated speed controls cutting and allows operator to clear area when retracting
Roller hold downs	Holds shear on rail	Rollers provide for smooth movement along the rail
HTMA couplers	Connects shear to power source	Industry standard used worldwide
Carry handles	Manual transportation	Easy movement and placement

Specifications	Accessories	POWER UNITS
Max. flow: 10 GPM / 40 lpm Max. pressure: 2000 PSI / 140 bar Weight: 94 lb / 43 kg Dimensions (LxWxH): 29 x 18 x 6.25 inch / 7370 x 457 x 159 mm Quick Couplers: 3/8 HTMA (ISO 16028)	» Replacement Shear Blades » Hose Set	D-23, E-15, G-18, G-21, G-23, G-31



RAIL PULLER

RP-10-86-1



HYDRAULIC, 10 GPM / 40 LPM

HTMA TYPE RR

QUICK AND EASY SETUP FOR STRESSING RAILS

The versatile design of the rail puller allows for quick and easy setup for stressing rails. Large cylinders provide 120 T of pulling power with only 2000 PSI / 140 bar hydraulic pressure. Suitable for rails from 90 to 141 lb.

Feature	Function	Benefit
Generates 120 tons of force	Powerful tool without the use of a pressure intensifier	Efficient working and execution of demanding maintenance work
Single lever operation	Tool for push and pull movement	Flexible use at the construction site
Fixed one piece frame construction	Robust	Long lifetime

Specifications	Accessories	POWER UNITS
Max. flow: 10 GPM / 40 lpm Max. pressure: 2000 PSI / 140 bar Weight: 1146 lb / 521 kg Dimensions (LxWxH): 111 x 30 x 19 inch / 2819 x 762 x 483 mm Quick Couplers: 3/8 HTMA (ISO 16028)	» Grip Pads » Hose Set	D-23, E-15, G-18, G-21, G-23, G-31



RAIL ALIGNER

MANUAL

RA-00-93-O

The rail aligner is designed to quickly position the ends of a rail for welding. This tool will help eliminate the use of other methods that increase the likelihood of injury. The jack feet accommodate anchor plates in concrete ties and prevent movement from side to side.

Specifications

Weight: 18 lb / 8 kg
Dimensions (LxWxH): 18 x 6 x 5 inch /
457 x 152 x 127 mm



FLANGEWAY WELD BLOCKS

MANUAL

Solid copper welding blocks are machined to conform to the rail. The handle allows for convenient and easy transportation. The flangeway weld blocks are available in variable lengths and widths.



WELDING SEAT

MANUAL

SW-00-04-O

The welding seat provides the welder with a comfortable working position during switch and frog repair. The standard air chuck inlet and the dual female outlets allow for accessories.

Specifications

Weight: 17 lb / 8 kg
Dimensions (LxWxH): 20 x 16.5 x 25 inch /
508 x 4219 x 635 mm

Accessories

- » Hose Kit
- » Nozzle Set



WEDGE

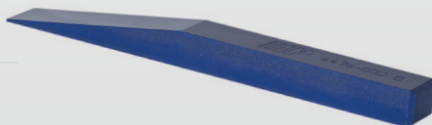
MANUAL

4476-00D

Long taper for precision positioning. Long length for use with rail pullers to minimize striking puller while under tension.

Specifications

Weight: 11 lb / 5 kg
Dimensions (LxWxH): 18 x 2 x 2 inch /
457 x 51 x 51 mm



HOOK BOLT WRENCH

MANUAL

HR-00-AI-O

Safely and efficiently holds the hook end of the tie down bolt for the tightening and loosening of nuts. Lugs prevent twisting of the wrench during tightening and loosening. The lightweight design enables ease of use and transportation.

Specifications

Weight: 8 lb/4 kg
Dimensions (LxWxH): 17 x 7 x 7 inch/
432 x 178 x 178 mm



HOOK BOLT DROP WRENCH

MANUAL

HR-00-A1-1 / HR-00-A1-2

The hook bolt drop wrench allows the operator to stand on top of the bridge deck when installing and loosening hook bolts. The wrench captures the hook bolt during installation and removal which prevents it from being lost. The tool is available in a right and left hand version.

Specifications

Weight: 8 lb/4 kg
Dimensions (LxWxH): 17 x 3 x 51 inch/
432 x 76 x 1295 mm



PILE TURNING WRENCH

MANUAL

G7-4954-00K

The pile tuning wrench provides a safe and efficient solution to move pilings in an effective and ergonomic way.

Specifications

Weight: 7.5 lb/3 kg
Dimensions (LxWxH): 48 x 6 x 1 inch/
1219 x 152 x 25 mm



LADDER SAFETY BRACKET

MANUAL

BL-00-H1-O

The ladder safety bracket is used to prevent ladders from slipping off pilings or posts. A safety chain secures the bracket to the ladder.

Specifications

Weight: 9 lb/4 kg
Dimensions (LxWxH): 8 x 19 x 5 inch/
203 x 483 x 127 mm



DRILL GUIDE

MANUAL

DG-00-A1-3

The drill guide is designed for straight drilling into timbers and to avoid hitting steel girders on bridges. It may be used on 8" or 10" ties.

Specifications

Weight: 17 lb / 8 kg
Dimensions (LxWxH): 12 x 26 x 37 inch /
305 x 660 x 940 mm



RAIL GUIDE

MANUAL

HR-00-66-3

The rail guide stabilizes the rail during loading and unloading.

Specifications

Weight: 2.5 lb / 1.1 kg
Dimensions (LxWxH): 6 x 4 x 0.3 inch /
152 x 102 x 7.6 mm





GASOLINE POWER UNIT

G-05 / G-05S04-88-O / G-05S05-08-O



5 GPM / 20 LPM

HTMA TYPE I

HIGHLY ERGONOMIC AND USER-FRIENDLY

Thanks to our large range of hydraulic power units we can offer exactly the right power unit for the operation of hydraulic tools and machines. The machines are equipped with HTMA flat faced couplers and user-friendly controls. Units could be adapted by individual technical customer request.

Feature	Function	Benefit
Large capacity cooler	Prevents oil from overheating	Extends the life of HPU and Tools
Low engine oil protection	Engine protection	Ensures a long lifetime of the HPU
Vibration absorber	Damps the vibration and reduces the noise emission	Extremely ergonomic
Compact design with carrying handles	Easy transport	High user-friendliness

Specifications

Max. flow: 5 GPM / 20 lpm
 Max. pressure: 2000 PSI / 140 bar
 Weight: 84 lb / 38 kg
 Dimensions (LxWxH): 24 x 17 x 16.5 inch /
 610 x 432 x 419 mm
 Quick Couplers: 3/8 HTMA (ISO 16028)

Accessories

- » Filters and Oil
- » Pressure Gauge
- » Hose Set

GASOLINE POWER UNIT

G09S06-52-W / G-11S07-52-W / G-13S08-52-W



6–8 GPM / 27–36 LPM

HTMA TYPE I, II

LARGE CAPACITY COOLER EXTENDS LIFE

This unit was designed with the customer demands of high user-friendliness and flexibility in the field. The compact and robust design ensures the user powerful hydraulic forces in each location. The machines are equipped with HTMA flat faced couplers and user-friendly controls. (For G-09 CE certificate available)

Feature	Function	Benefit
Large capacity cooler	Prevents oil from overheating	Extends the life of HPU and Tools
Folding handlebar and 10" OD pneumatic tires	Rolls over rough terrain easily	Power unit mobile in all situations
Hour meter and oil level indicator	Easier maintenance	Extends life of components

Specifications

Max. flow: 6–8 GPM / 27–36 lpm
Max. pressure: 2000 PSI / 140 bar
Weight: 136–143 lb / 62–65 kg
Dimensions (LxWxH): 26.5 x 20 x 27.5 inch / 673 x 508 x 699 mm
Quick Couplers: 3/8 HTMA (ISO 16028)

Accessories

- » Filters and Oil
- » Battery
- » Flow Meter
- » Pressure Gauge
- » Hose Set



GASOLINE / DIESEL POWER UNIT

G-18 / G-18S10-54-W /
G-18S10-58-W / G-18D55-53-W

0-10 GPM / 10-40 LPM · 5+5 GPM / 20+20 LPM

HTMA TYPE I, RR

EQUIPPED WITH HTMA FLAT FACED COUPLERS AND USER-FRIENDLY CONTROLS

Thanks to our large range of hydraulic power units we can offer exactly the right power unit for the operation of hydraulic tools and machines. The machines are equipped with HTMA flat faced couplers and user-friendly controls. Optional flows and pressures available. High quality gear pumps for better efficiency installed.

Feature	Function	Benefit
Low oil level shutdown	Engine shuts down when oil level is too low	Engine protection
16" wheels	Rolls over rough terrain easily	Power unit mobile in all situations
Large capacity cooler	Prevents oil from overheating	Extends life of components

Specifications

Max. flow: 10 GPM / 40 lpm
Max. pressure: 2000 PSI / 140 bar
Weight: 233 lb / 106 kg
Dimensions (LxWxH): 39 x 29 x 32 inch /
991 x 737 x 813 mm
Quick Couplers: 3/8 HTMA (ISO 16028)

Accessories

- » Filters and Oil
- » Battery
- » Flow Meter
- » Pressure Gauge
- » 12VDC Power Port
- » Hose Reel
- » Hose Set
- » Roll Bar

ELECTRIC POWER UNIT

E-20 / E-20S10-G6-W



CUSTOMIZED PRESSURE AND FLOW

HTMA TYPE II, RR

MOBILE IN ANY SITUATION

Designed for use in special environmental conditions (tunnel, buildings) PortaCo can offer a customizable power unit from its product range. Thanks to our range of hydraulic power units we can offer exactly the right power unit for the operation of hydraulic tools and machines. The power unit can be configured with many sizes of motors with voltage, frequency and starter options. The power unit is also be customized for other flows and pressures by request.

Feature	Function	Benefit
Large capacity cooler	Prevents oil from overheating	Extends the life of HPU and Tools
Telescoping handles and large wheels	Rolls over rough terrain easily	Power unit mobile in all situations

Specifications

Max. flow: Various (customized)
 Max. pressure: Various (customized)
 Weight: Various (customized)
 Dimensions (LxWxH): 35 x 26 x 32 inch/
 889 x 660 x 813 mm
 Quick Couplers: 3/8 HTMA (ISO 16028)

Accessories

- » Filters and Oil
- » Cord Length and Connections
- » Flow Meter
- » Pressure Gauge
- » Hose Reel
- » Hose Set

DIESEL POWER UNIT

D-23 / D-23S12-J5-W / D-23D55-J6-W



0-12 GPM / 0-54 LPM · 5+5 GPM / 20+20 LPM

HTMA TYPE I, RR

EXTEND THE LIFE OF HPU AND TOOLS

Thanks to our range of hydraulic power units we can offer exactly the right power unit for the operation of hydraulic tools and machines. The machine is equipped with HTMA flat faced couplers, 45 amp alternator and a replaceable 10 micron hydraulic oil filter. The machine can be configured with a fixed flow, variable flow and dual flow options.

Feature	Function	Benefit
Large capacity cooler	Prevents oil from overheating	Extends the life of HPU and tools
Low engine oil and high coolant temperature protection	Engine shuts down when oil level is too low	Engine protection
Collapsible handles and large wheels	Roll over rough terrain easily	Power unit mobile in all situations
12V electric start	Easy starting process compared to recoil starter	Increased user-friendliness

Specifications	Accessories
Max. flow: 12 GPM / 54 lpm	» Filters and Oil
Max. pressure: 2000 PSI / 140 bar	» Battery
Weight: 520 lb / 236 kg	» Flow Meter
Dimensions (LxWxH): 39 x 29 x 36.5 inch / 991 x 7370 x 927 mm	» Pressure Gauge
Quick Couplers: 3/8 HTMA (ISO 16028)	» 12VDC Power Port
	» Hose Reel
	» Hose Set

GASOLINE POWER UNIT

G-31 / G-31D1010-J3-O



2 x 10 GPM / 2 x 40 LPM

HTMA TYPE RR

FLEXIBLE USE AT THE CONSTRUCTION SITE

Thanks to our range of hydraulic power units we can offer exactly the right power unit for the operation of hydraulic tools and machines. The power unit is equipped with HTMA flat faced couplers and an electric starter. This machine can be used to operate two 10 GPM tools simultaneously.

Feature	Function	Benefit
Large capacity cooler	Prevents oil from overheating	Extends the life of HPU and Tools
Low engine oil and high coolant temperature protection	Engine shuts down when oil level is too low	Engine protection
Twin 10 GPM unit	Capable of operating two 10 GPM (Type RR) tools at the same time	Flexible use at the construction site

Specifications

Max. flow: 2 x 10 GPM / 2 x 40 lpm
 Max. pressure: 2000 PSI / 140 bar
 Weight: 560 lb / 255 kg
 Dimensions (LxWxH): 39.5 x 25.5 x 33 inch /
 1003 x 648 x 838 mm
 Quick Couplers: 3/8 HTMA (ISO 16028)

Accessories

- » Filters and Oil
- » Battery
- » Flow Meter
- » Pressure Gauge
- » 12VDC Power Port
- » Hose Reel and Hose Set



TRACKSAFE BARRIER

70-40-500EU / 70-40-605



QUICK INSTALLATION OF FIXED BARRIER

The patented magnetic barrier guarantees absolute safety when working on all types of railway tracks. It is easy to install or remove.

Feature	Function	Benefit
Fixed barrier, also for switches	Separation of working area and the adjacent railway track	Increased safety as unintentional walking on the adjacent track is excluded
Quick and easy installation and removal	Efficient protection of track workers	Saves time and costs, reduces delays and interruptions to railway operators
Magnetic fixing (pulling force up to 1323 lb/600 kg)	No costly removal of ballast required	No damage to ballast bed and no change to standard ballast profile or to resistance to lateral displacement
Transport and storage frame	Compact	Easy and efficient storage and transportation

Specifications

A holder equipped with a neodymium durable magnet made from hot-dip galvanized steel.

Weight of the holder: 17.6 lb/8 kg

Plastic tube of 118.1 inch/3 m with a diameter of 1.9 inch/48 mm

Weight of the tube: 8.8 lb/4 kg

Tube with quick-fit mechanism

SAFETY KIT

MANUAL

SK-4403-OOK

The Safety Kit contains 2 flags, 2 flashlights, 12 flares and batteries in a lockable storage case. The Kit is DOT compliant.

Specifications

Weight: 12 lb / 5.4 kg
 Dimensions (LxWxH): 20 x 6 x 4 inch /
 508 x 152 x 102 mm



FLAG KIT

MANUAL

68-3953-OOK / 68-3636-OOK

The flag kit contains standard red lens light. Amber lens option is available. With the T-handle screw it is easy to clamp the flags to the rail. The flag disassembles to multiple pieces for easy storage.

Specifications

Weight: 13 lb / 6 kg
 Dimensions (LxWxH): 4 x 27 x 41 inch /
 202 x 686 x 1041 mm



BULL NOSE STONE WRENCH

MANUAL

65-3714-00K

The bull nose stone wrench provides a better grip on the stone for removal and prevents damage to the stone.

Specifications

Weight: 0.75 lb/0.35 kg
Dimensions (LxWxH): 9 x 1.25 x 2 inch/
229 x 32 x 51 mm



STONE WRENCH

MANUAL

29-3400-00K

The stone wrench dramatically reduces the possibility of bending, distorting or damaging the spindle when removing the stone. It accommodates a standard 6" cup stone. An optional 4" cup stone wrench is available.

Specifications

Weight: 2.5 lb/ 1.1 kg
Dimensions (LxWxH): 14 x 6.5 x 4.5 inch/
356 x 165 x 114 mm



HOSE SETS / COUPLERS

53-5003-00K

1/2" by 50 ft hose set, 2,500 PSI rating. Comes standard with couplers installed. Custom sizes and lengths are available.



HOSE REEL

53-5001-00P

Standard 3/4" inlet swivels to reduce backpressure. Accommodates 1/2" by 50 ft hose set. Solid steel construction. Optional ball stop available.



ROLL BAR KIT

58-2980-00K

The roll bar kit limits damage to the power unit in case of a roll over. The rugged tubular steel construction encompasses critical components of the power unit.



FLOW PRESSURE KIT

MF-15-09-O

The flow pressure kit comes standard in a durable storage case. It includes gauges and valves for testing working flows, supply pressure and return backpressure.

Specifications

Max. flow: 0–15 GPM

Max. pressure: 0–3000 PSI

Weight: 14 lb/ 6 kg

Dimensions (LxWxH): 19 x 7 x 7.25 inch/ 483 x 178 x 184 mm



SAW BLADES

4791-OOP / 4792-OOP

Custom formula to provide long life cutting.



IMPACT SOCKETS

CUSTOMIZED



SHEAR BLADE KIT

64-3584-OOK



DRILL BITS / CUTTERS

Many sizes available.



GRINDING STONES

Many sizes available.





EXPERIENCE AND QUALITY

PortaCo, Inc., is situated in Moorhead, Minnesota, USA. It has grown in over 35 years history from a manufacturer of hydraulic valves and manifolds to become a leading producer of hydraulic power units for a number of industries as well as hydraulic tools for the railway track construction and maintenance. We offer our customers standard as well as customized high quality products which are specifically characterized by their safe, ergonomic and reliable design. Our product portfolio is complemented by a high level of customer service.

We are part of the Goldschmidt Thermit Group – your global partner for all services for rails in the areas of Rail Joining, Rail Services, Measurement, Tools and Machines and Equipment.