



## workshop consumables edition 17

# consumables at your convenience

Welcome to the 17th edition of the Autogem Workshop Consumables Catalogue, providing a complete consumables programme for all your workshop needs.

As well as the Autogem products you have trusted for over 50 years, we are pleased to support some of the leading consumables brands in Europe for specialist categories and have also developed an exceptional small tool program. We have evolved our award winning consumables range for this latest release and continue to publish our unique scale images for our fastening products and now also our TPMS replacement valve stem range found on pages 62 & 63.

As tyre pressure monitoring has become a widespread, standard fitment on European vehicles, so has our TPMS range widened, as well as the associated training and support services we provide.

Please do not hesitate to contact our sales team for any items you are not able to find in this edition, as we have access to hundreds of renowned manufacturers and their products.

We hope that you find this catalogue useful and informative and for further details about our other product ranges please visit us at [www.autogem.co.uk](http://www.autogem.co.uk)



## GLOBAL DISTRIBUTION

Autogem products are distributed next day across the UK Supported by a network of over 50 global distributors throughout Europe, Russia, the Middle East, Africa, North America & Oceania.



## MARKET LEADING STOCKHOLDING

Over 5,000 SKU's & more than 2.5 million products held in our UK warehouse facility  
Operating at a minimum 98% availability  
Europe's largest stockist & distributor of exhaust fittings



## AWARD WINNING PRODUCT AND SERVICE

UK Industry Aftermarket Supplier of the Year  
Dedicated technical support phone lines  
Our products and training programmes continue to win accolades across the UK, Europe & North America

**SMMT**  
MEMBER



**NTDA**



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# a **new supplier** for your **old tools**



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**Air Line Tools & Equipment**  
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**Hand Tools**  
**Socketry**  
**General Tools**  
**Drill Bits, Taps & Dies**  
**Lifting Equipment**  
**Welding & Soldering**  
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# IMPACT WRENCHES

## AIR IMPACT WRENCHES

- 17pc 1/2" HD air impact wrench set
  - 1/4" BSP air inlet
  - Blow mould case
- Supplied with:
- 9, 10, 11, 13, 14, 17, 19, 22, 24 & 27mm impact sockets
  - Extension bar
  - Oil pot
  - Mini oiler
  - Hex wrench



- Pin clutch hammer mechanism
- Lightweight - Only 2kgs
- Reduced vibration
- 540Nm of torque
- 3.6cfm average air consumption



Description	Part No.	Pack
1/2" HD Air Impact Wrench Kit	AL100H-KIT	1 Set

Description	Part No.	Pack
PCL 1/2" Air Impact Wrench	ALT100	1

- 1/2" HD air impact wrench
- Recommended air pressure: 90PSI



- Ergonomic design for comfort
- Lightweight - Only 1.94kgs
- Twin hammer impact mechanism
- 690Nm of torque
- 12cfm average air consumption



Description	Part No.	Pack
1/2" Composite Impact Wrench	AL100H	1

Description	Part No.	Pack
PCL 1/2" Composite Air Impact Wrench	ALT104	1

## LIMITED TORQUE IMPACT WRENCHES

- 1/2" Limited torque air impact wrench
- Limited forward torque: 47-75Nm
- Nut busting torque: 816Nm
- Lightweight - Only 1.9kg
- Ring type anvil
- Twin-hammer impact mechanism
- Aluminium hammer case & composite housing
- Designed for high volume tyre changing
- Eliminates over tightening of wheel nuts



- 1/2" Limited torque air impact wrench
- Limited forward torque: 108Nm
- Nut busting torque: 814Nm
- 2.7kg
- Twin-hammer impact mechanism
- Metal body & handle
- Air exhaust under handle
- Designed for high volume tyre changing
- Eliminates over tightening of wheel nuts



Description	Part No.	Pack
Ingersoll Rand 1/2" Impact Wrench	ING2130XP-TL	1

Description	Part No.	Pack
Kuani 1/2" Impact Wrench	ALT130	1

- 6 Bar pressure relief kit
- Limits air pressure to prolong life of impact wrenches
- 1/4" Female air inlet
- Ideal for 7mm hoses



Description	Part No.	Pack
Air Tool Pressure Relief Kit	ALT66816	1

## LITHIUM ION IMPACT WRENCH

- 1/2" 20V High torque impact wrench
- High power, long-life 20V lithium-ion battery
- 1,057Nm reverse torque
- 1,486Nm nut-busting torque
- 3.1kg combined weight
- 68-880Nm forward torque range
- Forward / reverse actuator for one hand operation
- Variable speed switch
- Electronic brake provides maximum control
- Best in class short length of 238mm tip to toe
- Drop resistant, steel reinforced frame
- LED battery power level indicator
- Robust carry case

- Kit Contains:
- W7150EU 20V High Torque Impact Tool
  - 2 x 20V, 3.0Ah Lithium-Ion Battery Packs
  - IQ<sup>20</sup> Wall / Bench Mountable Charger with Auxiliary USB Charging Port



Description	Part No.	Pack
Ingersoll Rand 1/2" 20V Impact Wrench	INGW7150EU	1 Kit



## REVERSIBLE AIR DRILLS

Ideal for drilling, reaming & honing this reversible drill has a side mounted forward / reverse shift & a triple planetary gear system. The positive trigger action & powerful air motor making this drill a great all rounder.

- 10mm (3/8") keyless chuck
- Rear exhaust through handle



Description	Part No.	Pack
PCL 10mm Reversible Air Drill	ALT107	1

- Reversible air drill
- 10mm (3/8") keyless chuck
- 0.37kW (0.50HP)
- 2,000 rpm
- Only 1.36kg



Description	Part No.	Pack
Ingersoll Rand 10mm Reversible Air Drill	ING7802RAKC	1

- Reversible air drill
- 7,000 rpm free speed
- 1/4" air inlet
- Maximum pressure 90psi



Description	Part No.	Pack
Reversible Air Drill	AL107H	1

## AIR RATCHETS

This 3/8" SD ratchet features a ball type retainer, a progressive throttle & a forward / reverse knob on the ratchet head.

- Forward / reverse knob on the ratchet head
- Ball type retainer
- Progressive throttle
- 60Nm of torque
- 4cfm average air consumption



Description	Part No.	Pack
PCL 3/8" Ratchet	ALT105	1

- 1/2" SD air ratchet
- 150 rpm free speed
- 45 ft lb maximum torque
- 1/4" air inlet



Description	Part No.	Pack
1/2" Air Ratchet	AL105H	1

## DIE GRINDER

With a medium motor size, positive throttle action & rear exhaust through handle the general purpose die grinder is ideal for polishing & grinding.

- Swivel rear exhaust
- Double bearing spindle
- Speed regulator
- Reduced vibration



Description	Part No.	Pack
PCL Die Grinder	ALT102	1

## TYRE BUFFER

- Air tyre buffer
- 0.38kW (0.50HP)
- Low speed - 3,000 rpm
- Lightweight - 0.50kg
- Piped-away exhaust system



Description	Part No.	Pack
Ingersoll Rand Low Speed Air Tyre Buffer	ING327LS	1

- Air tyre buffer
- Perfect for drilling & buffing tyre injuries
- Low speed - 4000 rpm
- Optional chuck & exhaust kits



Description	Part No.	Pack
Kuani Low Speed Air Tyre Buffer	ALT66800	1



Description	Part No.	Pack
10mm Chuck With Key For ALT66800	ALT65794	1
10mm Auto-Chuck For ALT66800	ALT65795	1
Exhaust Kit For ALT66800	ALT65796	1

## ORBITAL SANDERS

This two handed operation orbital sander has a built in speed regulator & an insulated handle & motor housing. The positive lever action also gives the user great control.

- 12,000 RPM for swirl free finishes
- Reduced vibration
- Built in speed regulator
- Central vacuum



Description	Part No.	Pack
PCL Orbital Sander	ALT106	1

- 150mm (6") Diameter orbital sander
- 5mm (3/16") Orbit
- 0.19kW (0.25HP)
- 10,000 rpm
- Power regulator



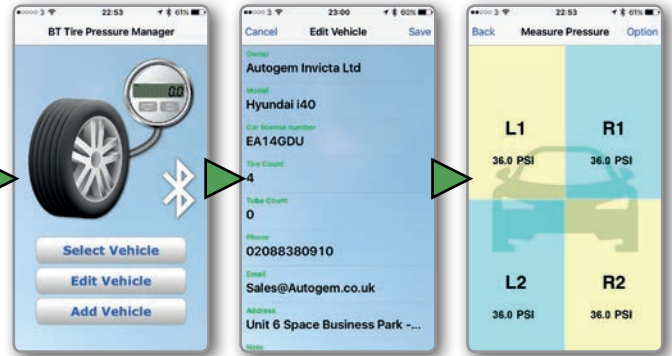
Description	Part No.	Pack
Ingersoll Rand Orbital Sander	ING311A	1



# INFLATION EQUIPMENT

## DIGITAL TYRE INFLATOR WITH BLUETOOTH COMMUNICATION

- High accuracy digital tyre inflator with bluetooth support
- Efficient inflation & deflation rates
- Downloadable application for Android & iOS devices
- Stores vehicle data to application:
  - MMY
  - VRN
  - Image
  - Customer contact details
  - Additional notes



Description	Part No.	Pack
Autogem Digital Tyre Inflator	AL114	1

## TYRE INFLATORS



- High quality professional inflation gauge
- Watertight performance reinforced with transparent dial
- Rubber protector around measuring system
- Very high measuring accuracy
- Corrosion resistant internal mechanism
- Air filtered in the indicator mechanism
- Resistant to accidental high pressure of 13.75 bar
- Air or nitrogen use
- 0.7 - 11 Bar graduations
- 10 - 160 PSI graduations
- Female 1/4" Gaz connection



Description	Part No.	Pack
EURODAINU c/w 1.5m Hose & Clip On Connector	ALT1821	1



- High quality digital inflation gauge
- Air or nitrogen use
- Auto turn on with pressure
- Auto switch off
- Auto calibration to zero on each use
- Water tight build
- 10 year battery life (non-replaceable)
- Female 1/4" Gaz connection
- ALT39900 - 0.1 - 11 Bar
- ALT39901 - 1.4 - 160 PSI



Description	Part No.	Pack
DIGIT'AIR c/w 1.5m Hose & Clip On Connector (BAR)	ALT39900	1
DIGIT'AIR c/w 1.5m Hose & Clip On Connector (PSI)	ALT39901	1

- PCL MK3 tyre inflators
- Robust & highly accurate
- Reduced operating costs with fast inflation and deflation rates
- Long life with excellent shock resistance thanks to robust, durable design and construction
- Highly versatile, suitable for indoor & outdoor environments, commercial & retail applications
- Guaranteed accuracy thanks to individual testing



Description	Part No.	Pack
MK3 Inflator c/w 6ft Hose & Twin Clip On Connector	AL50	1
MK3 Inflator c/w 21" Hose & Single Clip On Connector	ALT201	1
MK3 Inflator c/w 21" Hose & Twin Hold On Connector	AL113	1

## FOOT PUMP

- All steel construction for added strength
- Anti-corrosive finish
- Barrel pressure sealed to prevent leakage
- Gauge calibrated to 0-100psi & 0-7 bar



Description	Part No.	Pack
Double Barrel Foot Pump	WT81	1

## CONNECTORS



Description	Part No.	Pack
Single Clip-On Connector - 4.75mm Open End	ALT204	1
Euro Style Connector - 8.00mm Open End	ALT206	1
Euro Style Connector - 6.00mm Open End	ALT207	1

- Suitable for inflation of twin tyres
- Clip on connection type
- Open ended for use with MK3 inflators



Description	Part No.	Pack
Twin Clip-On Connector (Open End)	AL15	1

- Suitable for inflation of twin tyres
- Hold on connection type
- Open ended for use with MK3 inflators



Description	Part No.	Pack
Twin Hold-On Connector (Open End)	AL51	1

- Flexible twin hold on connection type
- Suitable for inflation of twin tyres
- Open ended for use with MK3 inflators
- Prevents connector being used as a lever on direct TPMS valve stems



Description	Part No.	Pack
Flexible Twin Hold-On Connector (Open End)	AL25	1

- 21" hose fitted with ALT204 connector
- Can be used with MK3 inflators
- Prevents connector being used as a lever on direct TPMS valve stems



Description	Part No.	Pack
21" Hose & Single Clip-On Connector	ALT203	1

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## INFLATION EQUIPMENT HOSES



Made from high specification rubber alloy or PVC this air hose has a working pressure of 300psi (21 bar)

- Includes end fittings
- Conforms to ISO 5774:1980
- Conforms to BS6066-1981



Description	Part No.	Pack
21" Hose For MK3 Inflators	AL52	1
6ft Hose For MK3 Inflators	AL16	1



- 7mm x 13mm
- For Schrader Eurodainu & Digit'Air
- Rotating nut



Description	Part No.	Pack
1.5m Woven Hose For ALT1821 & ALT39900/39901	ALT39064	1
3.0m Woven Hose For ALT1821 & ALT39900/39901	ALT40117	1

## AIR TOOL WHIP HOSE

- Air tool whip hose
- 600mm length
- Male adaptor
- Isolation hose to fit between vibrating tools & quick action couplings
- Essential to meet HSE requirements



Description	Part No.	Pack
1/4" Whip Hose with Standard Adaptor & 1/4" Male	AL17	3
1/2" Whip Hose with 100 Series Adaptor & 1/2" Male	AL49	1

## BLOW GUNS

Outlet pressure on blowguns should not exceed 28psi  
It is recommended that an in-line regulator be fitted to your air system

- Robust / compact design
- Extensive, easy to fit, additional nozzle range
- Display packed for convenience



Description	Part No.	Pack
Metal Blowgun with Safety Nozzle	AL05	1

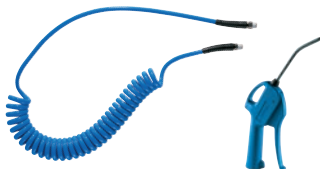
- Curved nozzle progressive blow gun
- 1/4" Gaz male coupler
- Max flow 380l/mn @ 8 bar



Description	Part No.	Pack
Progressive Blow Gun	ALT65098	1

- 4m coiled polyurethane hose
- Fixed & swivel male couplings
- 9 Bar working pressure

- Curved nozzle progressive blow gun
- 1/4" Gaz male coupler
- Max flow 380l/mn @ 8 bar



Description	Part No.	Pack
4m Coiled Hose & Progressive Blow Gun Kit	ALT65099	1 Kit

## AIR HOSES

- 10m retractable air hose reels
- Plastic reel casing
- 1/4" female threaded fitting: Inlet
- 1/4" male threaded fitting: Outlet



Description	Part No.	Pack
10m Air Hose Reel - Plastic Case	AL01REEL1	1

- 15m retractable air hose reels
- Metal reel casing
- 1/4" female threaded fitting: Inlet
- 1/4" male threaded fitting: Outlet



Description	Part No.	Pack
15m Air Hose Reel - Metal Case	AL01REEL2	1

Made from high specification rubber this air hose has a working pressure of 300psi (21 bar)

- 1/4" female threaded fittings
- Conforms to ISO 5774:1980
- Conforms to BS6066-1981
- Exceeds BS5118



Description	Part No.	Pack
15m Rubber Air Hose	AL01	1

Made from high specification rubber PVC this air hose has a working pressure of 300psi (21 bar)

- 1/4" male fittings
- Conforms to ISO 5774:1980
- Conforms to BS6066-1981
- Exceeds BS5118



Description	Part No.	Pack
6.3m Nylon Coated Hose	AL03	1

# AIRLINE FITTINGS

PCL is recognised as the global market leader in the design & manufacture of tyre inflation and compressed air products for industrial, petrol forecourt and automotive markets. This ongoing success has been built on providing superior customer service with the commitment of a loyal and highly skilled workforce.

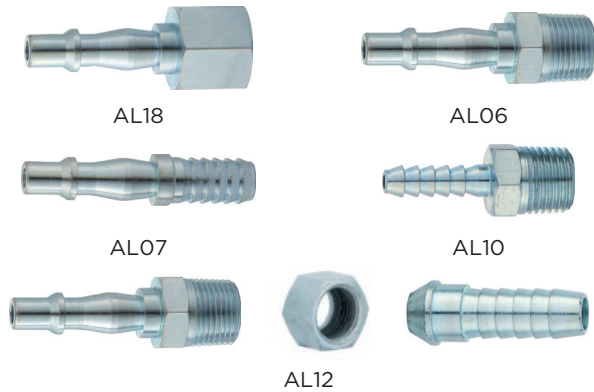


PCL's "Made in Sheffield" couplings range from the AIRFLOW range for fixed applications and VERTEX for trailing applications, to the common industry interchanges and safety couplings.

## 1/4" BSP STANDARD ADAPTORS

Benchmark in the UK for quality & reliability, these standard adaptors are suitable for most compressed air applications

- Steel construction
- Suitable for use with Airflow & Vertex couplings
- Corrosive resistant finish
- Free flow air rate at 7 bar (100lb/in<sup>2</sup>) of: 35 to 40ft<sup>3</sup>/min - 59.5 to 68m<sup>3</sup>/hr - 991 to 1133 litres/min



Description	Part No.	Qty
1/4" Female Adaptor	AL18	1
1/4" Male Adaptor	AL06	5
1/4" Hose Tailpiece Adaptor	AL07	3
1/4" Male Hose Tail Adaptor	AL10	5
Safety Adaptor Set	AL12	3pc

## 1/4" BSP AIRFLOW AIRLINE COUPLINGS

The single action feature of this coupling makes it ideal for fixed garage & industrial air line systems

- Steel construction
- Corrosive resistant finish
- Free flow air rate at 7 bar (100lb/in<sup>2</sup>) of: 35 to 40ft<sup>3</sup>/min - 59.5 to 68m<sup>3</sup>/hr - 991 to 1133 litres/min



Description	Part No.	Qty
Female Airflow Coupling	AL09	2
	AL09T	5
Male Airflow Coupling	AL14	2
Twin Airflow Coupling	AL11	1
Airflow Coupling Set	AL04	3pc

## 1/4" BSP VERTEX AIRLINE COUPLINGS

The double action feature of this coupling makes it ideal for use with trailing hoses, portable air tools, garage & industrial air line systems

- Steel construction
- Corrosive resistant finish
- Free flow air rate at 7 bar (100lb/in<sup>2</sup>) of: 35 to 40ft<sup>3</sup>/min - 59.5 to 68m<sup>3</sup>/hr - 991 to 1133 litres/min

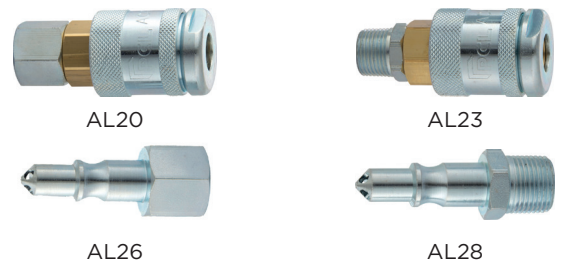


Description	Part No.	Qty
Female Vertex Coupling	AL32	2
Male Vertex Coupling	AL33	2

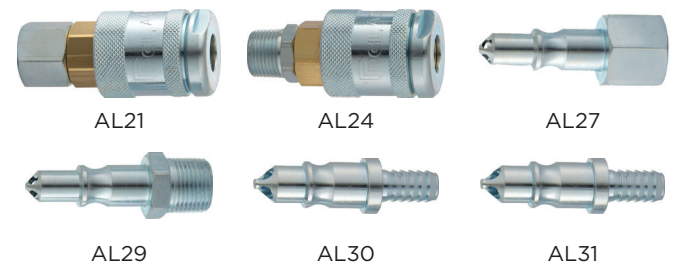
## M60 SERIES AIRLINE COUPLINGS

For 1/4", 3/8" & 1/2" BSP  
Where above average flow rate is required, the large diameter of these couplings makes them particularly suitable for general industrial applications

- Steel shoulder prevents accidental disconnection
- Secure locking device
- Specially designed valves provide maximum air flow
- Free flow air rate at 7 bar (100lb/in<sup>2</sup>) of: 55 to 60ft<sup>3</sup>/min - 93.5 to 102m<sup>3</sup>/hr - 1557 to 1698 litres/min



Description	Part No.	Qty
1/4" 60 Series Female Coupling	AL20	1
1/4" 60 Series Male Coupling	AL23	1
1/4" 60 Series Female Adaptor	AL26	3
1/4" 60 Series Male Adaptor	AL28	3



Description	Part No.	Qty
3/8" 60 Series Female Coupling	AL21	1
3/8" 60 Series Male Coupling	AL24	1
3/8" 60 Series Female Adaptor	AL27	3
3/8" 60 Series Male Adaptor	AL29	3
3/8" 60 Series Hose Tailpiece	AL30	3
1/2" 60 Series Hose Tailpiece	AL31	3

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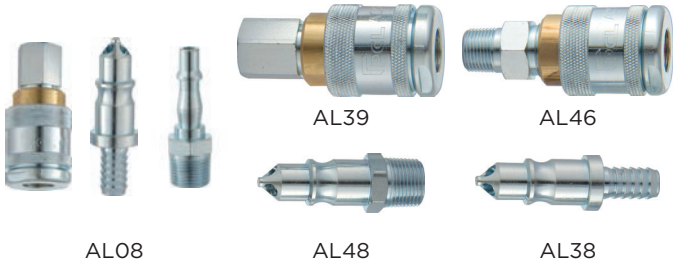


# VEHICLE HEALTH CHECK KIT

## 1/2" BSP M100 SERIES AIRLINE COUPLINGS

Where greater flow rate is required, the large diameter of these couplings makes them particularly suitable for general industrial applications

- Steel shoulder prevents accidental disconnection
- Secure locking device
- Specially designed valves provide maximum air flow
- Free flow air rate at 7 bar (100lbf/in<sup>2</sup>) of: 100 to 120ft<sup>3</sup>/min - 170 to 204m<sup>3</sup>/hr - 2832 to 3398 litres/min



Description	Part No.	Qty
100 Series Coupling Set	AL08	3pc
100 Series Female Coupling	AL39	1
100 Series Male Coupling	AL46	1
100 Series Male Adaptor	AL48	1
100 Series Hose Tail Adaptor	AL38	1

## BUSHES & UNIONS



Description	Part No.	Qty
1/4" Male Double Union	AL19	5
Male Reducing Union - 3/8" to 1/4" BSP Taper	AL43	5
Male Reducing Union - 1/2" to 1/4" BSP Taper	AL44	5
Female Reducing Union - 3/8" to 1/4" BSP Parallel	AL45	5
M-F Reducing Bush - 3/8" Taper to 1/4" BSP	AL40	5
M-F Reducing Bush - 1/2" Taper to 1/4" BSP	AL41	5
M-F Reducing Bush - 1/2" Taper to 3/8" BSP	AL42	5

## VEHICLE HEALTH CHECK KIT

Kit containing the essential tools to carry out the following checks:

- Air conditioning temperature
- Anti-freeze quality
- Brake disc wear
- Brake pad wear
- Brake fluid quality
- Tyre tread depth

- Presented in ABS case with foam inlay for visual tool control
- Finger lift cut outs for easy access to each tool
- Part number identification for easy reordering

Description	Part No.	Qty
Vehicle Health Check Kit	VHC-KITAGM	8pc



Description	Part No.	Pack
Rechargeable Cob Inspection Lamp	LAMP06	1
Digital Brake Disc Measuring Gauge	BPT58	1
Brake Pad Measuring Tool	WT270	1
Anti-Freeze Tester for Ethylene Glycol	WT432	1
Anti-Freeze Tester for Propylene Glycol	WT433	1
Brake Fluid Tester	WT434	1
Mini Digital Thermometer	WT435	1
Professional Digital Tread Depth Gauge	WT472	1



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# SERVICING & LUBRICATION

## MANUAL VACUUM OIL & FLUID EXTRACTOR

- Manual vacuum oil & fluid extractor
- 7.0L capacity
- Constructed from composite materials
- Suitable for the extraction of all types of engine, transmission & lubricating oils from cars, motorcycles, marine engines, stationary engines and industrial machinery
- Also suitable for low viscosity fluids such as water
- Supplied with 4 x 1m suction probes
- Uses probes to drain engine oil through the dipstick tube
- Can also be used for draining fish tanks, basins and sinks



Description	Part No.	Pack
Manual Vacuum Oil & Fluid Extractor	WT437	1 Kit

## OIL FILTER CAP WRENCH SET

- 14 wrenches for a variety of vehicles
- Suitable for canister filters
- Withstand 85ft lbs torque
- Includes 3/8" drive adaptor
- Supplied in a blow mould storage case

Applications include:  
AC, BMW, Daihatsu, Fiat, Ford, Honda, Isuzu, Mazda, Mercedes-Benz, Mitsubishi, Nissan, Porsche, Renault, Subaru, Toyota, Vauxhall/Opel, Volkswagen and many other vehicles



Description	Part No.	Pack
Oil Filter Cap Wrench Set	WT425	15pc

## OIL FILTER STRAP WRENCH

- 1/2" drive oil filter strap wrench



Description	Part No.	Pack
Oil Filter Strap Wrench	WT16	1

## OIL FILTER CHAIN WRENCH

- Heavy duty chain with tightening nut
- Operated with 1/2" square drive or 24mm wrench



Description	Part No.	Pack
Oil Filter Chain Wrench	SUT01	1

## DRAIN PLUG KEY SET

- Double end chrome vanadium steel
- Satin finish
- Suitable for sump plugs on engine, gearbox & back axle
- Use with 14mm spark plug socket on a ratchet driver



Description	Part No.	Pack
Drain Plug Key Set	SUT02	6pc

## DRAIN PANS



WT493



WT494

Description	Part No.	Pack
16L Oil Drain Pan	WT493	1
16L Anti-Freeze Drain Pan	WT494	1

## OIL FILLER FUNNELS



SUT03



SUT07

Description	Part No.	Pack
Oil Filler Funnel - 6"	SUT03	1
Oil Filler Funnel - 9"	SUT07	1

## OIL MEASURING JUGS

- Calibrated oil measuring jug
- Integrated spout



Description	Part No.	Pack
Oil Measuring Jug - 1L	SUT13	1

- Calibrated oil measuring jugs
- Screw on detachable spout



Description	Part No.	Pack
Oil Measuring Jug - 2L	SUT12	1
Oil Measuring Jug - 5L	SUT05	1



# SERVICING & LUBRICATION

To maintain equipment in tip top condition and operating smoothly, the correct use of specialist oils & compatible greases is hugely important along with following the manufacturer operating instructions for each piece of equipment.

Oils & greases do a number of things and not just for lubrication. In some cases they are also used to prevent rusting, cool internal components and prevent air leakage which may effect the efficiency of the equipment.

## AIR TOOL OIL

- Formulated to keep air tools oiled & lubricated
- Low air retention
- Good thermal stability
- Contains anti-corrosion additives
- ISO 32 Viscosity grade oil
- ISO 6743/4, Type : HM
- Vickers :1-286-S



## COMPRESSOR OIL

- Formulated to keep internal compressor workings oiled & lubricated
- Excellent anti wear properties
- Good thermal stability
- Good resistance to oxidation
- Always consult compressor manufacturers specification for lubrication before use
- ISO 32 Viscosity grade oil
- Din 51524 Part 2 (HLP)



## HYDRAULIC OIL

- Formulated to keep hydraulic workings oiled & lubricated
- Excellent anti wear properties
- Low foaming
- Shear stable
- Contains anti-corrosion additives
- Good compatability with hoses & seals commonly used in hydraulic systems
- Can be used in forklift trucks, excavators, presses & injection moulding machines where the use of ISO 32 grade oil is specified
- ISO 32 Viscosity grade oil



Description	Part	Pack
Air Tool Oil	PG230	1L

Description	Part	Pack
Compressor Oil	PG231	1L

Description	Part	Pack
Hydraulic Oil	PG232	1L

## OIL CANS

- 500cc plastic oil can



Description	Part No.	Pack
Plastic Oil Can	WKC01	1

- Metal oil can
- Includes rigid & flexible spouts



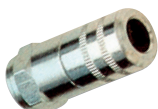
Description	Part No.	Pack
Metal Oil Can	WKC02	1

## GREASE GUN & ACCESSORIES

- 10,000psi working pressure
- Complete with rigid tube & hydraulic connector

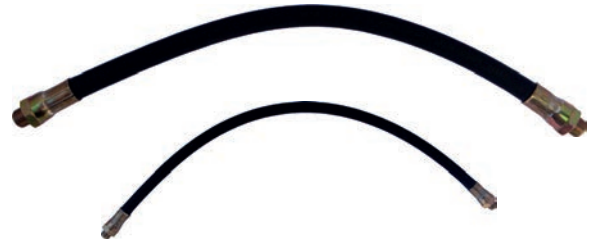


Description	Part No.	Pack
Grease Gun	GN17	1



Description	Part No.	Pack
4 Jaw Hydraulic Coupler	GN13	5
Universal Hoof / Slide-On Nozzle	GN16	2

## GREASE GUN HOSES



Description	Part No.	Pack
Flexible Hose Extension - 12"	GN18	1
	GN18T	3
Flexible Hose Extension - 18"	GN15	1
	GN15T	3

## LITHIUM EP2 GREASE

- Premium quality lithium grease
- 3kg tin or 300g cartridges



Description	Part No.	Pack
Lithium EP2 Grease - Tin	GN28	1
	GN27	1
Lithium EP2 Grease - Cartridge	GN27T	5
	GN27P	36

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# SERVICING & INSPECTION TOOLS

## FUEL FILTER REMOVAL TOOL

- Two piece fuel filter removal set
- 1/2" drive x 115mm ID
- Saves time
- Prevents damage to the housing assembly

Applications include:  
Chevrolet, Citroen, Fiat, Peugeot, Saab, Suzuki & Vauxhall/Opel diesel models



Description	Part No.	Pack
Fuel Filter Removal Tool	WT477	1

## FUEL TRANSFER TOOL

- For transferring fluid from one vehicle to another
- Also suitable for household plumbing systems
- Suitable for all non-toxic fluids
- Safe & easy to use



Description	Part No.	Pack
Fuel Transfer Tool	WT185	1

## ANTI-FREEZE TESTERS

- Designed for Ethylene Glycol or Propylene Glycol antifreeze
- Easy to read indicator
- Floating discs indicate coolant strength
- Tests at hot & cold temperatures
- Reads in °C & °F



WT432

WT433

Description	Part No.	Pack
Anti-Freeze Tester for Ethylene Glycol	WT432	1
Anti-Freeze Tester for Propylene Glycol	WT433	1

- High precision digital thermometer
- Sensor located in tip of stainless steel probe
- Compact & lightweight
- Measures °C & °F
- HOLD function
- Ideal for testing automotive air conditioning output
- 1.5V battery powered (supplied)



Description	Part No.	Pack
Mini Digital Thermometer	WT435	1

## INVICTALUX BORE INSPECTOR

- Magnifies & illuminates inside dark bores, mouldings, small containers, bottles, pistons, pipes, hoses, small fittings & cylinders
- Quality control aid with infinite possibilities
- Fibre optic light guide in stainless steel
- White light and UV options (UV upon request)
- 200mm/8" length
- Available as a complete unit or accessory with any Invictalux kit



Description	Part No.	Pack
Invictalux White Light Bore & Cavity Inspector Kit	WT506	1 Kit
Invictalux White Light Bore & Cavity Inspector Head	WT506H	Head Only

## UV LEAK DETECTION LAMPS

Ideal for detecting leaks in air conditioning and cooling systems with the use of fluorescent dye (not included)

For best results and protection we suggest this product is used with light enhancing safety glasses (WT502)

- Robust Composite Housing
- Rubber Edge Protector
- 4.3m Cable & Battery Clips
- Suitable for Most Lighting Conditions



Description	Part No.	Pack
UV Detection Lamp	LAMP12	1

- 13 State of the Art High Power UVA LEDs (395-405nm)
- Removable, Upgradable Light Heads
- Strong Easy Grip Rubber & Aluminium Handle
- 3 x AA Batteries Included
- 6-7 Hours Battery Life
- Other Inspection Accessories & Kits Available



Description	Part No.	Pack
Invictalux UV Inspection Lamp (Standard 7 LED)	WT504	Lamp
Invictalux UV Inspection Lamp (Superbright 13 LED)	WT505	Lamp
Invictalux Body Only	WT503	Body Only
Standard 7 LED Head Unit	WT504H	LED Head
Superbright 13 LED Head Unit	WT505H	LED Head

## EXTRA GLO UV GLASSES

Safety eye-wear compliant with the essential requirements of Directive 89/686/EEC and with the general requirements of standard EN166:2001 and EN170

- Amber lens gives greater comfort when working with UV light sources & also enhances the fluorescent contrast in leak detection



Description	Part No.	Pack
Extra Glo UV Glasses	WT502	1

## MULTI-USE CHARGE HOSE

- Suitable for use with leak stop & extra cool vacuum cans



Description	Part No.	Pack
Multi-Use Charge Hose	WT500	1 Hose

## CONCERTINA INJECTOR KIT

- 3 part injector tool
- Charge hose
- R134a coupler
- 10 dose Glo-Leak 1234 cartridge
- No mess when connecting to the system
- 1-way concertina cartridges
- Capsule remains neatly collapsed
- Compact, environmentally friendly disposal
- Compatible with 30/55/60ml concertina cartridges



Description	Part No.	Pack
Concertina Injector Kit	WT501	1 Kit

## NITROGEN REGULATOR KIT

- Single stage nitrogen regulator kit for standard cylinders
- 300 x 10 bar - BSP
- Regulates up to 10 bar
- Ideal for leak detection in low pressure systems & vehicle A/C systems
- Adaptors & fittings included



Description	Part No.	Pack
10 Bar Nitrogen Regulator Kit	AL13	1 Kit

## VACUUM BRAKE & CLUTCH BLEEDER

- Easy one-person operation
- Simple hand-pump operation to create pressure
- Supplied with European cap adaptor with swivel elbow 42.8mm
- Quick-release coupling, pressure relief valve
- 5 bar pressure gauge
- 3L capacity
- Suitable for brake & clutch bleed



Description	Part No.	Pack
Vacuum Brake & Clutch Bleeder	WT499	1 Kit

## BRAKE FLUID TESTERS

- Boiling point tester: the only test method approved by brake & brake fluid manufacturers
- Operates off vehicle's own 12v supply
- User friendly LCD screen instructions lead operator through the complete testing sequence
- Measures up to 320°C, suitable for use on all grades of brake fluid
- Accurate, reliable & repeatable results
- Test takes only 30 seconds
- Increase service revenue & road safety
- Languages available: Croatian, Czech, Danish, Dutch, English, Finnish, Flemish, French, German, Hungarian, Italian, Japanese, Lithuanian, Norwegian, Polish, Portuguese, Spanish, Swedish, Turkish



Description	Part No.	Pack
Brake Fluid Safety Meter	BPT41	1

- Identifies the amount of water in brake fluid
- Colour coded LEDs show water level & action required
- Quick & Simple
- Suitable for Dot 3, Dot 4 & Dot 5
- Not Suitable for Silicone Based Dot 5.1



Description	Part No.	Pack
Brake Fluid Tester	WT434	1

## BRAKE BLEED TOOLS

- Pressure brake bleeding is the only method approved by brake manufacturers
- Full fluid change in approx 15 minutes by a single operator
- No compressed air used
- No possibility of contamination of the fluid
- Includes Euro cap & bleed bottle
- Operates off vehicle's own 12v supply
- 1.5 Bar
- Capacity 1.25L
- Suitable for brake & clutch bleed



Description	Part No.	Pack
Pressure Brake Bleeder	BPT42	1 Kit

- 30-85mm diameter fitment
- Fits screw on & bayonet type reservoirs
- Unique patented gripping design
- Compatible with BPT42



Description	Part No.	Pack
Multi Vehicle Cap	BPT43	1

## BRAKE PIPE FLARING TOOLS

- Handles Cupro-Nickel and steel pipes
- High quality SAE and DIN flares
- Use in-situ
- Flares 4.75mm, 5mm and 6mm pipes
- Patented

Consumable spares available:  
4.75mm Die  
5.00mm Die  
6.00mm Die



Description	Part No.	Pack
Hydraulic Brake Pipe Flaring Kit	BPT51	1 Kit

- 2 piece flaring tool for 3/16" & 4.75mm OD pipes
- Fast cam action
- Capable of producing fast, accurate pipe flares
- Heat treated for long life
- Stored in a heavy duty metal case



Description	Part No.	Pack
2 Piece Flaring Tool	BPT30	1 Kit

- 6 piece flaring tool for 3/16", 1/4", 5/16", 3/8", 1/2" & 4.75mm OD pipes
- Fast cam action
- Capable of producing fast, accurate pipe flares
- Heat treated for long life
- Stored in a heavy duty metal case



Description	Part No.	Pack
6 Piece Flaring Tool	BPT31	1 Kit

- On the car flaring tool suitable for the following pipes (OD): 3/16", 1/4", 5/16", 3/8", 7/16", 1/2" & 5/8"
- Comes complete with pipe cutter
- Can construct double flares
- Stored in a robust plastic container



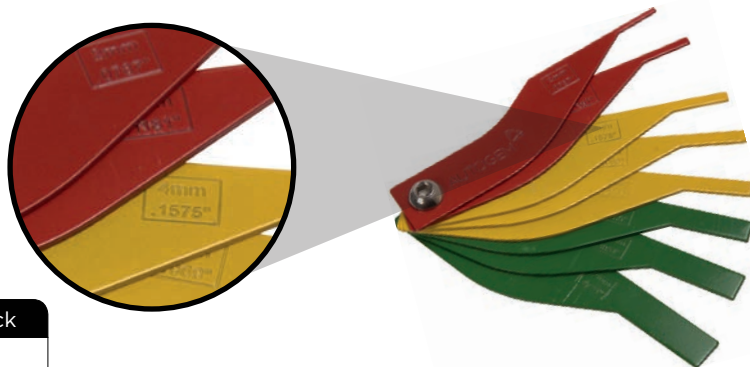
Description	Part No.	Pack
On-The-Car Flaring Tool	BPT23	1 Kit



# BRAKE SERVICING

## BRAKE PAD MEASURING TOOL

- Ensures brake pad thickness is accurately measured & logged
- Eight preset thicknesses to determine status of pads - 2mm to 12mm
- Colour coded to indicate amount of wear:  
Green = Good  
Amber = Partially Worn  
Red = Need Replacing
- Can be used with the wheels on or off the vehicle



Description	Part No.	Pack
Brake Pad Measuring Tool	WT270	1

## DIGITAL BRAKE DISC MEASURING GAUGE

- Metric & imperial
- Measurement Range: 0mm - 150mm
- Accuracy: +/- 0.15mm
- Presented in sturdy plastic case



Description	Part No.	Pack
Digital Brake Disc Measuring Gauge	BPT58	1

## MANUAL DRUM MEASURING GAUGE

- Brake drum wear gauge
- Large size range 160mm-400mm
- Selected steel
- Measures drum wear
- Metric and Imperial



Description	Part No.	Pack
Manual Drum Measuring Gauge (Vernier)	BPT53	1

## DIGITAL BRAKE DISC RUN OFF TOOL

- Digital indicator
- Special grip clamp
- Flexi shaft
- Metric & imperial
- Measurement Range: 0 - 12.5mm
- Accuracy: 0.01mm
- Presented in sturdy plastic case



Description	Part No.	Pack
Digital Brake Disc Run Off Tool	BPT57	1

## BRAKE CALIPER WINDBACK SET

- 18pc brake caliper windback set
- Contains both left & right hand threaded rewind tools
- 1 x reaction plate
- 15 x popular adapters



Description	Part No.	Pack
18pc Brake Caliper Windback Set	WT271	1 Kit

## AIR OPERATED WINDBACK TOOL

- Pneumatic tool for brake caliper piston rewind
- Suitable for pin type or 3/8" drive type
- For left & right handed threaded pistons
- Supplied with a 3/8 to 2 pin magnetic adaptor to fit adaptors in 3991
- Full adaptor range available
- Time saving tool



Description	Part No.	Pack
Air Operated LH and RH Windback Tool	BPT49	1

## BRAKE PAD SPREADER

- Essential tool for retracting the brake piston to allow insertion of new brake pads
- Suitable for most ATE, Bendix, Delco & Girling callipers
- Chemically blackened steel spreader plates



Description	Part No.	Pack
One Handed Brake Pad Spreader	BPT55	1

## BRAKE PISTON CUBE

- 3/8" drive brake piston cube
- Five pin patterns for a variety of vehicles
- Non-impact use
- Essential service tool for disc brakes



Description	Part No.	Pack
Brake Piston Cube	BPT54	1

## BRAKE DISC REMOVAL TOOL - FORD TRANSIT

- For use specifically for Ford Transits 2001+
- Removes front brake discs without damaging the bearings
- Manufactured from Chrome Molybdenum for strength
- Suitable for FWD & RWD
- OEM Code 204-345B



Description	Part No.	Pack
Brake Disc Removal Tool - Ford Transit	DRS03	1

## BRAKE SPRING WASHER TOOL

- Aids installation & removal of T-slot anti-rattle washers in drum brake assembly
- Large viewing cut-away allows correct alignment of nail & washer
- Simple push and twist action
- Time saving tool



Description	Part No.	Pack
Double End Brake Spring Washer Tool	BPT45	1

## 7MM HEX KEY

- Multiple uses on many popular vehicles
- Brake seat fittings
- Disc brake release bolts
- Gearbox drain plugs
- Valve adjustment



Description	Part No.	Pack
7mm Hex Key	BPT26	1

## BRAKE PIPE RATCHET WRENCH

- Open ring ratchet mechanism
- Available in 10mm & 11mm
- Chrome vanadium construction
- Two in one tool saves time and money
- Can be used whenever a standard ratchet ring spanner is used



Description	Part No.	Pack
Brake Pipe Ratchet Wrench 10mm	WT421	1
Brake Pipe Ratchet Wrench 11mm	WT420	1

## BRAKE PIN REMOVAL TOOL

- For removing brake retaining pins
- 5.5mm & 6mm
- Pilot tip on 6mm to locate in hollow pins
- Suitable for most cars



Description	Part No.	Pack
Brake Pin Removal Tool	BPT46	2pc

## HANDBRAKE CABLE SPRING PLIERS

- Quick and easy removal and installation of hand brake cable
- For compressing the retaining spring
- Knurled grip handles.
- Time saving tool
- Suitable for on Audi, BMW, Citroën, Nissan, Peugeot, Renault, Rover, Seat, Volkswagen



Description	Part No.	Pack
Handbrake Cable Spring Pliers	BPT47	1

## BRAKE CALIPER CLEANING FILE

- For the removal of brake dust & corrosion
- Flat 155mm parallel blade with diagonal coarse grooves to prevent clogging
- Extra slim style (10mm)
- Reverse blade doubles as a scraper



Description	Part No.	Pack
Brake Caliper Cleaning File	BPT50	1

## HOSE CLAMPS

- Clamps any hose simply and effectively
- Chrome plated bars
- Use on brake, fuel and heater hoses
- No sharp edges
- Ensures complete clamp



Description	Part No.	Pack
Bar Hose Clamps	BPT52	1

- For use on flexible hose lines on brakes, fuel systems, heaters & radiators
- Lightweight, non-conductive material
- High visibility colour for easy location
- Single handed use
- Jaws of 1/2" to 3/4" diameter
- Plastic construction reduces risk of shorting electrical systems



Description	Part No.	Pack
Flexible Hose Clamps	BPT44	3pc

## BRAKE PIPE CORROSION TOOL

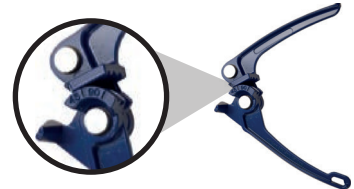
- For service, maintenance & pre-MOT inspection
- MOT compliant
- Soft grip handle
- Patented product



Description	Part No.	Pack
Brake Pipe Corrosion Tool	BPT48	1

## BRAKE PIPE BENDING TOOL

- Able to bend three sizes of pipe 3mm, 4mm, 6mm (1/8", 3/16", 1/4")
- Allows brake pipes to be bent at 45° or 90°
- For use on aluminium, steel or copper tubing



Description	Part No.	Pack
Brake Pipe Bending Tool	BPT56	1

## MINI TUBE CUTTER

- Die-cast cutter body
- Heavy duty HSS hardened cutting wheel
- Smooth screw action for clean cutting performance



Description	Part No.	Pack
Mini Tube Cutter	BPT15	1



## LED UNDER BONNET LAMP



- Rechargeable under bonnet LED lamp
- 36 LED work lamp (800 Lumens)
- Supplied with 240V mains & 12V DC chargers
- 3 way switch on both sides
- Built-in magnets
- Soft fit hook attachments to avoid bodywork scratching
- Telescopic mounting bracket fits 1.2m - 1.9m width
- 90° rotation for improved visibility

Description	Part No.	Pack
Under Bonnet LED Lamp	LAMP13	1

## BATTERY STARTER & CHARGER

- Starter & charger
- 180A / 40A
- Combination unit
- Charges batteries
- Provides boost power to help start vehicles with flat batteries
- Dual power output 12/24V
- Easy-to-read ammeter
- Illuminated power switch
- Circuitry protected by panel mounted fuse



Description	Part No.	Pack
Battery Starter & Charger	WT497	1 Kit

## BOOSTER CABLES & GRIPS



Description	Part No.	Pack
200 Amp - 16mm <sup>2</sup> Cable - 3.6m Long	BT101	1 Set
350 Amp - 25mm <sup>2</sup> Cable - 4.5m Long	BT102	1 Set
450 Amp - 35mm <sup>2</sup> Cable - 4.8m Long	BT100	1 Set
Booster Cable Grips (Red & Black)	BT110	2 Pairs

## MULTI-TESTER

- TUV/ GS approved with pocket clip
- Suitable for 220-250 volts



Description	Part No.	Pack
Multi Tester	WT178	1

## HANDHELD BATTERY TESTER

- Tests starter grounding contact & alternator
- Tests a wide range of batteries including: AGM, VRLA, SMF etc - up to 1700CCA
- Print & save results to PC via USB link
- Reports easily customised by the garage
- Fast, accurate & consistent results
- Illuminated LED display
- Multi-lingual - 10 language selection



Description	Part No.	Pack
Handheld Battery Tester	WT496	1 Kit

## MULTIMETER

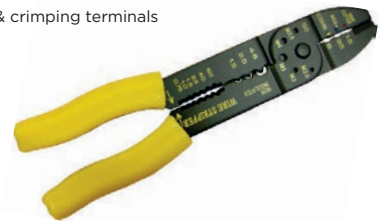
- Compact pocket sized multimeter
- Measures DC & AC voltage, DC current & resistance



Description	Part No.	Pack
Digital Multimeter	WT179	1

## ELECTRICAL CRIMP TOOLS

- For cutting cables, stripping wire & crimping terminals & connectors



Description	Part No.	Pack
Heavy Duty Electrical Crimp Tool	WT11	1

- Automatic release ratchet for a complete & consistent crimp



Description	Part No.	Pack
Ratchet Crimp Tool	WT74	1

## LAMBDA OXYGEN SENSOR SOCKET SET

- 7pc lambda sensor socket set
- High quality sockets
- Designed to fit common Titania & Zirconia sensors
- Windows & slots enable sockets to be fitted over wiring harness
- Supplied in plastic carry case



Description	Part No.	Pack
7pc Lambda Sensor Socket Set	EXT27	1 Kit

# EXHAUST SERVICING

## EXHAUST PIPE CHAIN CUTTERS

- Professional quality chain cutter
- Eliminates the need to cut pipes with a torch where access is limited



Description	Part No.	Pack
Exhaust Pipe Chain Cutter	EXT01	1
Replacement Chain	EXT02	1

- Professional quality chain cutter
- Eliminates the need to cut pipes with a torch where access is limited
- Suitable for cutting thin-wall tubing up to 2.5mm thick



Description	Part No.	Pack
Heavy Duty Exhaust Pipe Chain Cutter	EXT12	1
Replacement Chain	EXT14	1

## EXHAUST EXPANDER SET

- 3pc exhaust expander set
- Designed to straighten & expand exhaust pipe ends
- Contains 3 expanders:
- Small - 29mm to 44mm
- Medium - 38mm to 64mm
- Large - 54mm to 89mm



Description	Part No.	Pack
3pc Exhaust Expander Set	EXT25	1 Kit

## EXHAUST PIPE FLARING TOOL

- Professional quality exhaust pipe flaring dolly



Description	Part No.	Pack
Exhaust Pipe Flaring Dolly	EXT03	1

## STUD EXTRACTOR SET

- 8pc stud & screw extractor set
- Manufactured from high grade steel
- Supplied in handy carry case
- Covers popular sizes:
- 4mm, 5mm, 6mm, 7mm, 10mm, 13mm, 19mm, 24mm



Description	Part No.	Pack
Stud & Screw Extractor Set	WT197	8pc

## MANIFOLD STUD REMOVAL TOOLS

- Socket type extractors
- 6mm, 8mm, 10mm, 12mm sizes
- Manufactured from Chrome Vanadium steel
- Heat treated & chrome plated for corrosion resistance
- Supplied in steel case



Description	Part No.	Pack
Manifold Stud Remover Set	EXT26	1 Kit



Description	Part No.	Pack
8mm Socket Type Stud Extractor	EXT07	1
10mm Socket Type Stud Extractor	EXT08	1
Cam Type Stud Extractor	EXT05	1
1/2" Air Impact Rated Stud Extractor	EXT10	1

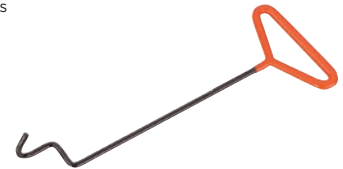
## EXHAUST PART FITTING / REMOVAL TOOLS

- For spreading and holding the 'C' clips found on the downpipe of many VW models
- Holds on to the 'C' clip preventing it from flying off
- Safety goggles recommended when using this tool



Description	Part No.	Pack
Assembly Tool For VW Clips	EXT04	1

- Enables easy connecting of rubber rings over hooks on silencer boxes



Description	Part No.	Pack
Fitting Tool For Rubber Rings	EXT11	1

- Enable easy removal of stubborn exhaust mountings



Description	Part No.	Pack
Exhaust Mounting Removal Pliers	EXT15	1

- Specialist tool designed to remove & fit PSA exhaust clamps fitted to Citroen, Peugeot & Renault vehicles



Description	Part No.	Pack
Exhaust Clamp Spreader	EXT22	1

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# STEERING & SUSPENSION

## SLIDE HAMMER / PULLER SET

- Robust 10lb slide hammer
- 5/8 UNF thread
- Supplied in blow moulded carry case

Use eight ways:

- Internal/ external three leg puller
- Internal/ external two leg puller
- Grip wrench adaptor
- Lip puller
- Hub puller
- Dent puller



Description	Part No.	Pack
Slide Hammer Puller Set	DRS10	1 Kit

## UNIVERSAL HUB PULLER

- Universal hub puller
- Suitable for four & five stud hubs



Description	Part No.	Pack
Universal Hub Puller	DRS13	1

- Hub puller adaptor
- Complete with 5/8" UNF adaptor for slide hammer DRS10
- PCD (Pin Centre Diameter) from 97mm to 123mm
- For use on 3, 4 and 5 bolt fixing drive flanges



Description	Part No.	Pack
Hub Puller Adaptor	DRS11	1

## HARMONIC BALANCE PULLER KIT

- 13pc harmonic balance puller
- Removes harmonic balances, gear pulleys, steering wheels & crankshaft pulleys



Description	Part No.	Pack
Harmonic Balance Puller Kit	WT183	13pc

## AIR OPERATED CV BOOT GUN

- Air operated CV boot tool
- Installs CV boots without removing drive shafts from the vehicle or the CV joint from the drive shaft
- Composite body with simple control valve
- Suitable for cars and light commercial vans
- Save on labour time by up to 70%
- Prevent damage to CV joint
- Made in the U.K.



Description	Part No.	Pack
Air Operated CV Boot Gun	DRS01	1

## BALL JOINT SPLITTER

- Drop-forged & heat treated alloy steel
- Suitable for applications with awkward or limited access



Description	Part No.	Pack
Ball Joint Splitter	DRS02	1

## RACK END INSTALLATION TOOL

- Enables rack end removal with the track rod insitu
- Designed to remove the axle joint/track rod from the steering rack
- 35-45mm diameter
- Can be used with 1/2"D wrench or 27mm spanner



Description	Part No.	Pack
Rack End Installation Tool	DRS05	1

## SUSPENSION ARM PULLER

- For removing ball joints, control arms & suspension joints
- 6 way adjustable tube
- Supplied in two sections for storage
- 1m length
- 30mm external tube diameter



Description	Part No.	Pack
Suspension Arm Puller	DRS09	1 Kit

## BEARING & BUSH INSTALLATION TOOLS

- For use on bushes, bearings seals
- 20 sizes of adaptors ranging from 34-72mm
- Double sized adaptors
- 4 threaded bars
- Universal use
- Time saving tool



Description	Part No.	Pack
Bearing & Bush Installation Kit	DRS07	1 Kit

- BMW Mini bush tool
- Mini R50, R52, R53, R55, R56, R57, R58, R59
- 2001 to 2012 models
- Remove & install front control arm rear bushes
- LH & RH



Description	Part No.	Pack
BMW Mini Bush Installation Tool	DRS08	1 Kit

- Ford, Mazda & Volvo bush tool
- Ford C-Max (2007>), Focus MK I & II (1998-2007, Kuga (2008>))
- Mazda 3 (2003-2009), 5 (2005>)
- Volvo S40 (2003-2012), V50 (2004-2012)
- Force screw made from high tensile steel
- Increased power
- For use insitu without removing the rear axle
- Not to be used with air tools



Description	Part No.	Pack
Ford, Mazda & Volvo Bush Tool	DRS06	1 Kit

- VAG bush removal tool
- Seat Cordoba (2002-2007), Seat Ibiza (2002>)
- Skoda Fabia (2002-2007)
- VW Fox (2002-2007), Polo (2002-2007)
- Remove front wishbone rear bush (console bush)
- Bar is manufactured from high tensile steel



Description	Part No.	Pack
VAG Bush Removal Tool	DRS04	1 Kit

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# HAMMERS & MALLETS

## COPPER & HIDE MALLET

- Iron headed hammer with one pure copper face and one hide face
- Copper face is used for a safe high impact blow
- Hide face used to give a firm blow that will not mar finished work



Description	Part No.	Pack
Copper & Hide Mallet	EXT06	1

## MOT INSPECTION HAMMER

- Combines tapping hammer, blunt scraper & short lever



Description	Part No.	Pack
MOT Corrosion Assessment Hammer	WT70	1

## HEAVY DUTY RUBBER MALLETS

- Strong, black rubber mallet
- 2.5lb
- General purpose
- Gives a gentle but firm blow
- Little rebound



Description	Part No.	Pack
Heavy Duty Rubber Mallet - 2.5lb	EXT09	1

- Strong, black rubber mallet
- 1.0lb
- Ideal for adjusting & aligning parts during installation



Description	Part No.	Pack
Heavy Duty Rubber Mallet - 1.0lb	WT18	1

## HEAVY HAMMERS

- Lump hammer
- 2.5lb
- For delivering close heavy blows



Description	Part No.	Pack
Lump Hammer - 2.5lb	WT17	1

- Club hammer
- 2.0kg
- Fibre glass shaft with rubberised grip
- Polished face
- For delivering close heavy blows



Description	Part No.	Pack
Club Hammer - 2.0kg	WT189	1

- Sledge hammer
- 3.0lb
- Fibre glass shaft
- Soft grip rubber



Description	Part No.	Pack
Sledge Hammer - 3.0lb	WT190	1

## CLAW HAMMER

- Claw hammer
- 1.0lb
- Fibre glass shaft with rubberised grip



Description	Part No.	Pack
Claw Hammer - 1.0lb	WT191	1

## BALL PEIN HAMMERS

- Ball pein hammer
- 4oz
- Engineers metal working hammer



Description	Part No.	Pack
Ball Pein Hammer - 4oz	WT56	1

- Ball pein hammer
- 1.0lb
- Engineers metal working hammer



Description	Part No.	Pack
Ball Pein Hammer - 1.0lb	WT57	1

- Ball pein hammer
- 2.0lb
- Engineers metal working hammer



Description	Part No.	Pack
Ball Pein Hammer - 2.0lb	WT58	1

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# FILES & WIRE BRUSHES

## FILES

- 8" & 10" flat files



Description	Part No.	Pack
8" Flat File With Wooden Safety Handle	EF12	1
10" Flat File With Wooden Safety Handle	EF14	1

- 8" & 10" round files



Description	Part No.	Pack
8" Round File With Wooden Safety Handle	EF13	1
10" Round File With Wooden Safety Handle	EF15	1

- 8" & 10" half round files



Description	Part No.	Pack
8" Half Round File With Wooden Safety Handle	EF17	1
10" Half Round File With Wooden Safety Handle	EF16	1

## FILE SETS

- Contains:  
1 of each of 4" square, round, half round, tapered flat & flat file



- 1 of each of 6" square, round, half round, tapered flat & flat file

Description	Part No.	Pack
Assorted 4" & 6" Files	EF03	10

- Contains:  
1 x 8" flat file  
1 x 8" round file  
1 x 10" flat file  
1 x 10" round file  
1 x 10" half round file



Description	Part No.	Pack
Assorted 8" & 10" Files	EF01	5

## WOODEN FILE HANDLES

- Wooden safety handles for file blades



Description	Part No.	Pack
Assorted Wooden Safety Handles	EF05	20
3" Wooden Safety Handles	EF06	10

## WIRE BRUSHES

- Heavy duty steel wire brush
- Crimped steel wire fill
- Ergonomic plastic handle
- Narrow face
- Ideal for removing rust, paint & debris
- Aids cleaning in hard to reach areas



Description	Part No.	Pack
Heavy Duty Steel Wire Brush	WKC21U	1

- General purpose heavy duty wire brushes
- Ideal for removing rust & debris
- 3 & 4 row available
- Wooden handle



Description	Part No.	Pack
3 Row Wire Brush	WKC19	5
4 Row Wire Brush	WKC20U	1
4 Row Wire Brush	WKC20	5

## WIRE WHEEL BRUSHES

- 30 gauge crimped steel wire brushes
- 6" diameter
- Supplied with a selection of bore inserts
- 1/2"
- 5/8"
- 3/4"



Description	Part No.	Pack
6" x 16mm	WKC32	1
6" x 25mm	WKC33	1

## BRASSED STEEL CUP BRUSH

- 75mm brassed steel cup brush
- M10 x 1.5mm thread for shank
- Crimped steel filaments
- Controlled cleaning action
- Removes rust & paint
- Suitable for surface preparation & polishing
- Suitable for power tools up to max 12,500rpm



Description	Part No.	Pack
75mm Steel Cup Brush - M10 x 1.50mm Bore	WKC46	1

## TWIST KNOT WIRE BRUSH

- 75mm twist knot flat wire wheel
- Stainless steel
- Removes heavy rust, paint & debris
- Fitted with 6mm shank for professional use



Description	Part No.	Pack
75mm - M10 x 1.50mm Bore	WT91	1

## DIAMOND BURR SET

- 30pc diamond burr set
- 317mm shank & 150 grit assorted points
- Ideal for modelling use on ceramics, brick, glass, steel & wood



Description	Part No.	Pack
Diamond Burr Set	WT184	30pc

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## HACKSAW

- Professional 12" hacksaw with blade
- Strong, light frame for greater comfort & control



Description	Part No.	Pack
Hacksaw	HAK06	1

## AUTOGEM HACKSAW BLADES

- High carbon steel & bi-metal hacksaw blades
- Super flexible
- Shatterproof
- 12" x 18TPI & 24TPI



Description	Part No.	Pack
12" x 18TPI Blade	HAK206	10
12" x 24TPI Blade	HAK210	10
12" x 24TPI Bi-Metal Blade	HAK214	10
	HAK216	50

## ECLIPSE HACKSAW BLADES

- 12" blades have a ground tooth profile producing faster & more aggressive cutting
- Bi-Metal blades are manufactured from M3 HSS & are virtually unbreakable in normal use and will cut through most types of material



Description	Part No.	Pack
12" x 18TPI Blade	HAK306	10
12" x 24TPI Blade	HAK310	10
12" x 24TPI Bi-Metal Blade	HAK314	10
	HAK316	50

## JUNIOR HACKSAW

- 6" Junior hacksaw
- Epoxy coated steel frame
- Includes blade



Description	Part No.	Pack
6" Junior Hacksaw	HAK02	1
6" Junior Hacksaw Blades	A-HAK05	10
	HAK05	50

## MINI SAW

- More substantial version of the junior hacksaw
- Plastic moulded pistol grip handle
- Steel frame
- Blade tensioning device
- Includes blade



Description	Part No.	Pack
Mini Saw	HAK03	1

## STANLEY KNIFE

- 3 position, retractable blade
- Blade storage in handle



Description	Part No.	Pack
Stanley Knife	WT64	1
Replacement Blades	WT48	20

## RETRACTABLE SNAP-OFF KNIVES

- Light duty, retractable knife with snap-off blades
- Removable blade snapper included in cap of knife



Description	Part No.	Pack
18.0mm Snap Off Knives	WT66	3
18.0mm Replacement Blades	WT78	5

## DISPOSABLE TRIMMING KNIVES

- Injection moulded polypropylene plastic handle
- Permanently attached craft knife blade



Description	Part No.	Pack
Disposable Trimming Knives	WT65	20

## GENERAL GARDENING KNIFE

- For general purpose gardening work such as pruning, flower cutting, cutting of strings, plastics & paper material
- Pocket sized
- Stainless steel



Description	Part No.	Pack
General Garden Knife	WT67	1

## WINDOW / PAINT SCRAPER

- Uses a standard 1992 trimming knife blade to scrape excess paint from window panes
- Comfortable plastic handle with detachable blade guard
- With guard fitted this tool also makes a good windscreen ice scraper



Description	Part No.	Pack
Window / Paint Scraper	WT71	1
Replacement Blades	WT48	20

# SNIPS, PLIERS & WRENCHES

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## UTILITY SNIPS

- Polished high alloy forged blades
- Serrated for extra grip
- Multi purpose snips for cutting vinyl, wire mesh & other household items



Description	Part No.	Pack
10" Utility Snips - Straight & Curve	WT79	1

## OFFSET SNIPS

- Hot drop forged chromium steel
- Precision ground
- Cuts up to 18 gauge mild steel
- Designed for outside trimming & clean cuts
- Can be used to cut materials such as gaskets, wire mesh, plastics, linoleum, rubber, canvas and twine



Description	Part No.	Pack
9" Offset Snips - Straight & Right Curve	WT51	1
9" Offset Snips - Straight & Left Curve	WT52	1

## SIDE CUTTERS

- 6" (150mm) long
- Spring loaded
- Ergonomic soft grip handles



Description	Part No.	Pack
6" Side Cutters	WT10	1

- Diagonal Side Cutters
- 6" (150mm) long
- Ergonomic grip
- Full 1000v protection
- Ideal for use on Electric/Hybrid vehicles
- High visibility



Description	Part No.	Pack
6" Diagonal Side Cutters	WT485	1

## LONG NOSE PLIERS

- Long nose for better access
- 6" (150mm) long
- Serrated jaws
- Spring loaded
- Ergonomic soft grip handles



Description	Part No.	Pack
6" Long Nose Pliers	WT08	1

- Long nose for better access
- 8" (200mm) long
- Serrated jaws
- Spring loaded
- Ergonomic soft grip handles



Description	Part No.	Pack
8" Long Nose Pliers	WT27	1

## COMBINATION PLIERS

- 7" (175mm) long
- Serrated jaws
- Spring loaded
- Ergonomic soft grip handles



Description	Part No.	Pack
7" Combination Pliers	WT09	1

## GRIP WRENCHES / LOCKING PLIERS

- Locking grip
- Bull nose
- Three sizes available:
  - 125mm (5")
  - 180mm (7")
  - 250mm (10")



Description	Part No.	Pack
5" Curved Jaw Locking Pliers	WT41	1
7" Curved Jaw Locking Pliers	WT199	1
10" Curved Jaw Locking Pliers	WT31	1

- For use in automotive precision work
- Spring loaded locking
- Long nose
- 150mm (6") long



Description	Part No.	Pack
6" Long Nose Locking Pliers	WT40	1

## LOCKING CLAMPS

- Locking C-Clamp
- Clamps wide variety of shapes
- Turn screw to adjust pressure & fit work
- Constructed of high-grade heat-treated alloy steel
- Max force through classic trigger release
- 275mm (11") long
- 85mm jaw capacity



Description	Part No.	Pack
11" Locking 'C' Clamp	WT53	1

- Sheet metal forming clamp
- Makes bending, forming & crimping sheet metal jobs easier
- Turn screw to adjust pressure & fit work
- Constructed of high-grade heat-treated alloy steel
- Max force through classic trigger release
- 200mm (8") long
- 78mm jaw capacity



Description	Part No.	Pack
8" Sheet Metal Forming Clamp	WT54	1

- Locking welding clamp
- U-shaped jaws provide enhanced visibility and more working space
- Holds awkward shapes in place
- Turn screw to adjust pressure & fit work
- Max force through classic trigger release
- 225mm (9") long
- 70mm jaw capacity



Description	Part No.	Pack
9" Thin Jaw Welding Clamp	WT55	1

# SNIPS, PLIERS & WRENCHES

## WATER PUMP PLIERS

- Straight jaw
- 5 groove joint for positive lock
- Moulded handles for extra grip



Description	Part No.	Pack
38mm x 250mm (10") Water Pump Pliers	WT72	1

## CIRCLIP PLIERS

- Circlip pliers
- Interchangeable tips



Description	Part No.	Pack
Circlip Pliers With Interchangeable Tips	WT34	1 Set

- 4pc circlip pliers set



Description	Part No.	Pack
Circlip Pliers Set	WT193	4pc

## HOSE CLIP PLIERS

- For releasing and refitting reusable hose clips
- Special profile jaws
- Soft grip handle
- Time saving tool

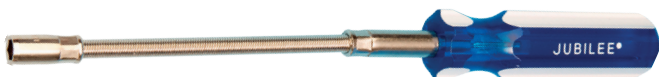


Description	Part No.	Pack
Hose Clip Pliers	WT195	1

- Suitable for accessing reusable Clic/Clic R type hose clamps
- Use at any angle
- Swivel head for awkward angles
- Spring loaded handles for ease of use
- Soft grip handles.



Description	Part No.	Pack
Hose Clamp Pliers - Swivel Head / Angled Jaws	WT196	1



Description	Part No.	Pack
Flexible Worm Drive Hose Clip Tool	HCT01	1

## 'O' CLIP PLIERS

- For easy fitment of 'O' clips
- Slip 'O' clip over hose & use the pincers to close the lugs of the clip



Description	Part No.	Pack
'O' Clip Pliers	OCF	1

## ADJUSTABLE WRENCHES

- Practical tools for mechanics or DIY enthusiasts



Description	Part No.	Pack
150mm (6") Adjustable Wrench	WT43	1
200mm (8") Adjustable Wrench	WT44	1
250mm (10") Adjustable Wrench	WT45	1
300mm (12") Adjustable Wrench	WT46	1

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# SPANNERS

## PROFESSIONAL COMBINATION SPANNER SET

- 16pc professional combination spanner set
- Drop-forged chrome vanadium steel
- Hardened, tempered & chromed
- Fully polished, mirror finish
- Open end & ring combination
- Long slim, flat panel shaft
- Supplied in hanging pouch
- Pouch can be neatly rolled for storage
- Ideal for automotive work

Sizes (mm):

10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 23, 25, 28, 30 & 32

Description	Part No.	Pack
Professional Combination Spanner Set	WT424	16pc



## COMBINATION SPANNER SETS

- Stubby combination spanner set
- Fully polished chrome vanadium steel
- Plastic display and storage rack
- 12 point pro drive ring end

Sizes (mm):

10, 11, 12, 13, 14, 15, 16, 17, 18 & 19



Description	Part No.	Pack
Stubby Spanner Set (10-19mm)	WT135	10pc

- Combination spanner set
- Drop forged carbon steel
- Chrome plated
- Fully heat treated
- Plastic display and storage rack
- 12 point pro drive ring end

Sizes (mm):

8, 10, 12, 13, 14 & 17



Description	Part No.	Pack
Combination Spanner Set (8-17mm)	WT139	6pc

- Combination spanner set
- Fully polished chrome vanadium steel
- Plastic display and storage rack
- 12 point pro drive ring end

Sizes (mm):

6, 7, 8, 9, 10, 11, 12, 13, 14, 17 & 19



Description	Part No.	Pack
Combination Spanner Set (6-19mm)	WT137	11pc

- Combination spanner set
- Fully polished chrome vanadium steel
- Plastic display and storage rack
- 12 point pro drive ring end
- Metric & imperial

Sizes:

Met: 6, 7, 8, 9, 10, 11, 12, 13, 14, 17 & 19

Imp: 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16 & 7/8



Description	Part No.	Pack
Combination Spanner Set (6-19mm)	WT138	22pc

## OPEN END SPANNER SET

- Open end spanner set
- Drop forged carbon steel
- Fully heat treated
- Hanging rack

Sizes (mm):

6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, & 16 x 17



Description	Part No.	Pack
Open End Spanner Set (6-17mm)	WT136	6pc

## COMBINATION SPANNERS

- Combination spanners
- Bi-Hex
- Chrome vanadium
- Satin finish
- 6-36mm size range
- Further sizes available up to 50mm



Size	Part No.	Pack
6mm	WT110	1
7mm	WT111	1
8mm	WT112	1
9mm	WT113	1
10mm	WT114	1
11mm	WT115	1
12mm	WT116	1
13mm	WT117	1
14mm	WT118	1
15mm	WT119	1
16mm	WT120	1
17mm	WT121	1
18mm	WT122	1
19mm	WT123	1
20mm	WT124	1
21mm	WT125	1
22mm	WT126	1
23mm	WT127	1
24mm	WT128	1
25mm	WT129	1
26mm	WT130	1
27mm	WT131	1
36mm	WT134	1

- Ratchet combination spanners
- Single hex
- 72 teeth ratchet mechanism
- Chrome vanadium
- 10-22mm size range



Size	Part No.	Pack
10mm	WT154	1
11mm	WT155	1
12mm	WT156	1
13mm	WT157	1
14mm	WT158	1

Size	Part No.	Pack
15mm	WT159	1
17mm	WT161	1
19mm	WT163	1
22mm	WT166	1



# WHEEL SERVICING & TORQUE TOOLS

## PROFESSIONAL TORQUE WRENCHES

- 1/2" Sq drive torque wrench
- 70Nm - 350Nm
- Reversible ratchet
- Weight: 1.43kg
- Length: 580mm
- Accuracy set +/- 4%
- Delivered in blow mould case

- Supplied with calibration certificate



Description	Part No.	Pack
Torque Wrench (70-350Nm)	WT380	1

- 1/2" Square drive torque wrench
- Reversible ratchet
- Audible click & slight release on torque
- Length 510mm
- Weight 1.2kg
- Accuracy set +/- 4%
- Delivered in plastic box

- Supplied with inspection report



Description	Part No.	Pack
Torque Wrench (40-200Nm)	WT65240	1

## ALLOY WHEEL SOCKETS

- 1/2" drive alloy wheel impact socket set
- Chrome molybdenum
- External & internal sleeve avoids damage to wheel & nuts
- Hardened, tempered & anodised for corrosion resistance
- Six point
- Suitable for use with impact tools
- Colour coded
- Sockets available individually

Sizes (mm):  
17, 19, 21, 22, 23, 24 & 27



Description	Part No.	Pack
7pc Heavy Duty Alloy Wheel Impact Socket Set	WT470	7pc

Description	Part No.	Pack
15mm Socket - Green	WT426	1
17mm Socket - Blue	WT427	1
19mm Socket - Gold	WT428	1
21mm Socket - Red	WT429	1
22mm Socket - Aqua	WT430	1
27mm Socket - Black	WT431	1

- 1/2" drive alloy wheel impact socket set
- Forged chrome molybdenum steel
- Plastic sleeve
- Colour coded

Sizes (mm):  
17, 19 & 21



Description	Part No.	Pack
Extra Heavy Duty Alloy Wheel Impact Socket Set	WT147H	3pc

- 1/2" drive alloy wheel impact socket set
- Plastic sleeve
- Colour coded

Sizes (mm):  
17, 19 & 21



Description	Part No.	Pack
3pc Alloy Wheel Socket Set	WT147	3pc

## MERCEDES BENZ 17MM WHEEL NUT SOCKET

- 1/2" Drive 17mm WAF
- Manufactured from chrome vanadium
- Thin wall with protective sleeve
- Application:  
C-Class (W204)  
E-Class (W211, W212, W207)



Description	Part No.	Pack
Mercedes Benz 17mm Wheel Nut Socket	WT436	1

## LOCKING WHEEL NUT REMOVAL KIT

- 4pc locking wheel nut removal kit
- Forged chrome molybdenum steel
- 1/2" Sq drive
- Removes locking wheel nuts when key is not available
- May also be used on fixings too damaged or corroded for standard sockets
- Set includes drift to aid removal of fixing from socket
- Phosphate finish for resistance to corrosion
- Suitable for use with impact wrenches

Sizes (mm):  
17, 19, 21 & 22



Description	Part No.	Pack
4pc Locking Wheel Nut Removal Kit	WT149	4pc

## WHEEL STUD THREAD RESTORER

- For repairing damaged wheel stud threads
- Ensures alignment of existing thread.
- Spare O-ring

Sizes (mm):  
M12 x 1.25, M12 x 1.50 & M14 x 1.50



Description	Part No.	Pack
Wheel Stud Thread Restorer Kit	WT423	1 Kit

## LIMITED TORQUE EXTENSION BARS

- Prevents over-tightening of wheel lug nuts, distortion of wheels, drums & rotors
- Helps apply torque to correct tolerances
- Works with any impact wrench
- Color-coded and engraved with torque range for quick reference
- Includes carrying case

Contains:  
55 ft.lb. (75 Nm) - Red  
65 ft.lb. (90 Nm) - Yellow  
80 ft.lb. (110 Nm) - Green  
100 ft.lb. (135 Nm) - Blue  
120 ft.lb. (160 Nm) - White  
140 ft.lb. (190 Nm) - Black  
175 ft.lb. (240 Nm) - Orange



Description	Part No.	Pack
Limited Torque Extension Bar Set	WT475	7pc

# SOCKET SETS & ACCESSORIES

## DEEP METRIC SOCKET SETS

- 10pc 1/4" drive deep socket set
- 6 point pro drive sockets
- Chrome vanadium steel
- Satin finish

Sizes (mm):  
4, 5, 6, 7, 8, 9, 10, 11, 12 & 13



Description	Part No.	Pack
1/4" Deep Metric Sockets	WT140	10pc

- 10pc 3/8" drive deep socket set
- 6 point pro drive sockets
- Chrome vanadium steel
- Satin finish

Sizes (mm):  
10, 11, 12, 13, 14, 15, 16, 17, 18, & 19



Description	Part No.	Pack
3/8" Deep Metric Sockets	WT141	10pc

- 10pc 1/2" drive deep socket set
- 6 point pro drive sockets
- Chrome vanadium steel
- Satin finish

Sizes (mm):  
10, 13, 14, 15, 16, 17, 18, 19, 21 & 24



Description	Part No.	Pack
1/2" Deep Metric Sockets	WT142	10pc

## METRIC SOCKET RACKS WITH RATCHET

- 1/4" drive socket set
- 6 point pro drive sockets
- Chrome vanadium steel
- Satin finish
- Quick release 72 teeth ratchet handle

Sizes (mm):  
5, 6, 7, 8, 9, 10, 11, 12, 13 & 14



Description	Part No.	Pack
1/4" Metric Socket Rack With Ratchet	WT143R	11pc

- 3/8" drive socket set
- 6 point pro drive sockets
- Chrome vanadium steel
- Satin finish
- Quick release 72 teeth ratchet handle

Sizes (mm):  
10, 11, 12, 13, 14, 15, 16, 17, 19 & 22



Description	Part No.	Pack
3/8" Metric Socket Rack With Ratchet	WT144R	11pc

- 1/2" drive socket set
- 6 point pro drive sockets
- Chrome vanadium steel
- Satin finish
- Quick release 72 teeth ratchet handle

Sizes (mm):  
10, 11, 12, 13, 14, 15, 17, 19, 22 & 24



Description	Part No.	Pack
1/2" Metric Socket Rack With Ratchet	WT145R	11pc

## STAR SOCKET SET

- 7pc Star socket set
- Contains:
  - 1/4" x E6, E7 & E8
  - 3/8" x E10, E12, E14, E16



Description	Part No.	Pack
7pc Star Socket Set	WT349	7pc

## DEEP IMPACT SOCKET SET

- 8pc 1/2" drive deep impact socket set
- Chrome molybdenum
- Black finish

Sizes (mm):  
12, 13, 14, 17, 19, 21, 22 & 24



Description	Part No.	Pack
8pc 1/2" Drive Deep Impact Socket Set	WT148	8pc

## CITROEN / PEUGEOT HUB SOCKET

- 35mm Citroen / Peugeot hub socket
- 6 point deep impact socket
- Single hex
- Chrome molybdenum
- For use with air impact tools
- Supplied loose for socket racks



Description	Part No.	Pack
Citroen / Peugeot Hub Socket	WT418	1

## SOCKET & BIT SET

Set includes

- Tamper proof bits T8, T10, T15, T20, T25, T27, T30, T40
- 3/8"D star bits T20, T25, T27, T30, T40
- 1/2"D star bits T45, T50, T55, T60, T70
- 3/8"D star sockets E10, E12, E14, E16, E18
- 1/2"D star sockets E20, E22, E24
- Complete with tamper proof bit adaptor
- Presented in metal storage case



Description	Part No.	Pack
27pc Socket & Bit Set	WT419	27pc

## SOCKET ADAPTOR SET

- High quality alloy steel
- For use with standard power tools
- 1/4", 3/8" & 1/2" adaptors



Description	Part No.	Pack
Socket Adaptor Set	WT146	3pc

## RATCHETS

- Swivel head ratchets
- Spin action ratchet head
- Quick release function
- 72 teeth mechanism
- Ideal for confined engine bays
- Used & recommended by motorsport technicians



Description	Part No.	Pack
Swivel Head Ratchet 1/4" Drive	WT227	1
Swivel Head Ratchet 3/8" Drive	WT298	1
Swivel Head Ratchet 1/2" Drive	WT299	1

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## 3/8" DRIVE

- 3/8" drive
- 6 point
- Single hex
- Chrome vanadium
- Individual



## 1/2" DRIVE

- 1/2" drive
- 6 point
- Single hex
- Chrome vanadium
- Individual



## 1/2" DRIVE IMPACT

- 1/2" drive
- 6 point
- Single hex
- Chrome molybdenum
- Impact socket for air tools
- Individual



Size	Part No.	Pack
6mm	WT400	1
7mm	WT401	1
8mm	WT402	1
9mm	WT403	1
10mm	WT404	1
11mm	WT405	1
12mm	WT406	1
13mm	WT407	1
14mm	WT408	1
15mm	WT409	1
16mm	WT410	1
17mm	WT411	1
18mm	WT412	1
19mm	WT413	1
20mm	WT414	1
21mm	WT415	1
22mm	WT416	1
24mm	WT417	1

Size	Part No.	Pack
10mm	WT200	1
11mm	WT201	1
12mm	WT202	1
13mm	WT203	1
14mm	WT204	1
15mm	WT205	1
16mm	WT206	1
17mm	WT207	1
18mm	WT208	1
19mm	WT209	1
20mm	WT210	1
21mm	WT211	1
22mm	WT212	1
23mm	WT213	1
24mm	WT214	1
27mm	WT215	1
30mm	WT216	1
32mm	WT217	1

Size	Part No.	Pack
10mm	WT230	1
11mm	WT231	1
12mm	WT232	1
13mm	WT233	1
14mm	WT234	1
15mm	WT235	1
16mm	WT236	1
17mm	WT237	1
18mm	WT238	1
19mm	WT239	1
20mm	WT240	1
21mm	WT241	1
22mm	WT242	1
23mm	WT243	1
24mm	WT244	1
27mm	WT245	1
30mm	WT246	1
32mm	WT247	1

## 3/8" DRIVE DEEP

- 3/8" drive deep sockets
- 6 point
- Single hex
- Chrome vanadium
- Individual



## 1/2" DRIVE DEEP

- 1/2" drive deep sockets
- 6 point
- Single hex
- Chrome vanadium
- Individual



## 1/2" DRIVE DEEP IMPACT

- 1/2" drive deep sockets
- 6 point
- Single hex
- Chrome molybdenum
- Impact socket for air tools
- Individual



Size	Part No.	Pack
8mm	WT452	1
9mm	WT453	1
10mm	WT454	1
11mm	WT455	1
12mm	WT456	1
13mm	WT457	1
14mm	WT458	1
15mm	WT459	1
16mm	WT460	1
17mm	WT461	1
18mm	WT462	1
19mm	WT463	1
22mm	WT466	1

Size	Part No.	Pack
10mm	WT250	1
11mm	WT251	1
12mm	WT252	1
13mm	WT253	1
14mm	WT254	1
15mm	WT255	1
16mm	WT256	1
17mm	WT257	1
18mm	WT258	1
19mm	WT259	1
22mm	WT262	1
24mm	WT264	1
27mm	WT265	1
30mm	WT266	1
32mm	WT267	1

Size	Part No.	Pack
10mm	WT280	1
11mm	WT281	1
12mm	WT282	1
13mm	WT283	1
14mm	WT284	1
15mm	WT285	1
16mm	WT286	1
17mm	WT287	1
18mm	WT288	1
19mm	WT289	1
22mm	WT292	1
24mm	WT294	1
27mm	WT295	1
30mm	WT296	1
32mm	WT297	1
36mm	WT471	1
41mm	WT476	1

TOOLS & EQUIPMENT  
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# BIT SETS & SCREWDRIVERS

## SOCKET & BIT SET

- Set includes:
- Tamper proof bits T8, T10, T15, T20, T25, T27, T30, T40
  - 3/8"D star bits T20, T25, T27, T30, T40
  - 1/2"D star bits T45, T50, T55, T60, T70
  - 3/8"D star sockets E10, E12, E14, E16, E18
  - 1/2"D star sockets E20, E22, E24
  - Complete with tamper proof bit adaptor
  - Presented in metal storage case



Description	Part No.	Pack
27pc Socket & Bit Set	WT419	27pc

## HEX, STAR & SPLINE BIT SET

- Set includes:
- Hex bits: 4mm, 5mm, 6mm, 7mm, 8mm, 10mm & 12mm
  - Star bits: T20, T25, T30, T40, T45, T50 & T55
  - Spline bits: 5mm, 6mm, 8mm, 10mm & 12mm
  - All bits in short & long types
  - 3/8"D & 1/2"D adapters



Description	Part No.	Pack
40pc Hex / Star / Spline Bit Set	WT385	40pc

## TORX BIT SETS

- S2 silicon steel bits
- Set includes:
- Torx® bits - 6 sided:
    - T10, T15, T20, T25, T30 (1/4" Hex)
    - T40, T45, T50, T55, T60 (10mm Hex)
  - Torx Plus® Tamperproof bits - 5 sided:
    - TP10, TP15, TP20, TP25, TP30 (1/4" Hex)
    - TP40, TP45, TP50, TP55, TP60 (10mm Hex)
  - Chrome molybdenum holder & driver
  - 1/4"D & 3/8"D adaptors



Description	Part No.	Pack
Torx Bit Set	WT422	23pc

- S2 silicon steel bits
- WT346 includes:
- T10, T15, T20, T25, T27, T30 & T40
- WT347 includes:
- T9, T10, T15, T20, T25, T27 & T30



Description	Part No.	Pack
2" Security Torx Bit Set	WT346	7pc
1" Security Torx Bit Set	WT347	7pc

## SECURITY BIT SET

- Security bit set
- Alloy steel bits
- Set includes a wide selection of common security bit types & sizes



Description	Part No.	Pack
Security Bit Set	WT348	32pc

## SCREWDRIVER BIT SETS

- S2 titanium coated bits
- Use with power tools & screwdrivers



Description	Part No.	Pack
50mm Pozi No.2 Bit Set	WT340	5pc
50mm Pozi No.2 Bit Set	WT344	10pc

- S2 titanium coated bits
- Use with power tools & screwdrivers



Description	Part No.	Pack
50mm Assorted Pozi Bit Set	WT341	5pc
50mm Assorted Slotted & Pozi Bit Set	WT342	5pc

## EXTENSION BARS

- 1/2" sq drive extension bars
- Chrome vanadium
- For better access in difficult to reach situations



Description	Part No.	Pack
1/2" Drive x 125mm (5") Extension Bar	WT225	1
1/2" Drive x 250mm (10") Extension Bar	WT226	1

## IMPACT SCREWDRIVER KIT

- 1/2" Drive impact tool
  - Chrome vanadium steel bits
  - Fully chromed impact body
  - Twist reverse function
  - Knurling on body for better grip
  - Supplied in steel case
- Set includes:
- Slotted 5, 6, 8, 10 & 11mm
  - Phillips No.1, No.2, No.3 & No.4
  - Hex 4, 5, 6 & 8mm
  - 1/2" Drive x 8mm hex adaptor



Description	Part No.	Pack
Impact Screwdriver Kit	WT352	15pc

## MAINS TESTER SCREWDRIVERS

- TUV/GS approved
- Pocket clip
- Suitable for 220-250 volts



Description	Part No.	Pack
Small Mains Tester Screwdriver	WT337	1
Mains Tester Screwdriver	WT338	1



# SCREWDRIVERS & MEASURING TOOLS

## SLOTTED SCREWDRIVERS (FLARED)

- Soft grip, two tone handle
- Available in 5 popular sizes



Description	Part No.	Pack
3.2 x 75mm Slotted Screwdriver	WT300	1
3.2 x 150mm Slotted Screwdriver	WT301	1
5.0 x 100mm Slotted Screwdriver	WT302	1
6.0 x 38mm Slotted Screwdriver	WT303	1
6.0 x 150mm Slotted Screwdriver	WT304	1

## POZI SCREWDRIVERS

- Soft grip, two tone handle
- Available in 2 popular sizes



Description	Part No.	Pack
Pz1 x 75mm Pozzi Screwdriver	WT325	1
Pz2 x 100mm Pozzi Screwdriver	WT326	1

## PHILLIPS SCREWDRIVERS

- Soft grip, two tone handle
- Available in 4 popular sizes



Description	Part No.	Pack
Ph0 x 75mm Phillips Screwdriver	WT330	1
Ph1 x 75mm Phillips Screwdriver	WT331	1
Ph2 x 38mm Phillips Screwdriver	WT332	1
Ph2 x 100mm Phillips Screwdriver	WT333	1

## ENGINEERS SCREWDRIVER SET

- Professional engineers screwdriver set
- High impact plastic handles
- Heat treated carbon steel blades
- 10 x Thru-Tang blades with hex drive for use with spanner or socket

Set includes:

- Pozi No.0 x 75mm
- Pozi No.1 x 75mm
- Pozi No.2 x 38mm
- Pozi No.2 x 100mm
- PoziNo.3 x 150mm
- Pozi No.4 x 200mm

- Slotted 3.2 x 75mm
- Slotted 5.0 x 75mm
- Slotted 6.0 x 38mm
- Slotted 6.0 x 100mm
- Slotted 8.0 x 150mm
- Slotted 9.5 x 200mm



Description	Part No.	Pack
12pc Engineers Screwdriver Set	WT335	12pc

## ALLEN KEYS

- High quality carbon steel hex keys
  - Convenient key ring
- Set includes:
- 1.5, 2.0, 2.5, 3.0, 4.0, 5.0, 5.5, 6.0, 8.0 & 10.0mm



Description	Part No.	Pack
Metric Allen Key Set (1.5mm - 10.0mm)	WT25	10pc

## TAPE MEASURES

- Locking tape measures
- Non-slip rubber casings



Description	Part No.	Pack
5m Locking Tape Measure	WT36	1
2m & 5m Locking Tape Measure Set	WT176	2pc

## FEELER GAUGES

- 100mm long taper blades
- Blades fold into a plated steel casing
- Both imperial & metric gauges included



Description	Part No.	Pack
Metric & Imperial Feeler Gauges	WT21	2pc

## MICROMETER

- Stainless micrometer in plastic case
- Measuring range 0-25mm
- Minimum scale 0.01mm
- Matt chrome thimble and sleeve



Description	Part No.	Pack
Micrometer 0-25mm	WT498	1 Kit

## DIGITAL VERNIER CALIPER

- Durable stainless steel construction in plastic case
- For internal, external & depth measurements
- Maximum measuring range 150mm (6")
- Zero calibration switch
- Automatic on/off
- Easy to read LCD screen



Description	Part No.	Pack
Digital Vernier Caliper	WT351	1 Kit

# DORMER DRILLS, TAPS & DIES

## A002 HSS TiN COATED JOBBER DRILLS

- HSS TiN coated standard length drill for general machining applications
- Titanium Nitride tip coating (2mm & above) minimises wear & increases tool life, with increased performance
- Self centring split-point for excellent positional accuracy & hole quality
- Improved flute geometry for rapid chip evacuation
- Will drill steel, stainless, cast iron, ceramics, plastics & many other materials



Size	Part No.	Pack	Size	Part No.	Pack
1.5mm	TDM01T	10	1/16"	TD10	10
2.0mm	TDM02T	10	5/64"	TD11	10
2.5mm	TDM03T	10	3/32"	TD01	10
3.0mm	TDM04T	10	7/64"	TD12	10
3.3mm	TDM33T	10	1/8"	TD02	10
3.5mm	TDM14T	10	9/64"	TD13T	10
4.0mm	TDM05T	10	5/32"	TD03T	10
4.2mm	TDM34T	10	11/64"	TD14T	10
4.5mm	TDM06T	10	3/16"	TD04T	10
5.0mm	TDM07T	10	13/64"	TD15T	10
5.5mm	TDM15T	10	7/32"	TD16T	10
6.0mm	TDM08T	10	15/64"	TD17T	10
6.5mm	TDM09T	10	1/4"	TD05T	10
6.8mm	TDM17T	10	17/64"	TD18T	10
7.0mm	TDM10T	5	9/32"	TD19T	10
7.5mm	TDM16T	5	19/64"	TD20	3
8.0mm	TDM11T	5	5/16"	TD06T	10
8.5mm	TDM18T	10	21/64"	TD21	3
8.8mm	TDM19T	10	11/32"	TD22	3
9.0mm	TDM32T	10	23/64"	TD23	3
9.5mm	TDM12T	5	3/8"	TD07T	10
10.0mm	TDM13T	5	25/64"	TD26	3
10.5mm	TDM20	5	13/32"	TD24T	5
11.0mm	TDM21	5	27/64"	TD27	3
11.5mm	TDM22	5	7/16"	TD08T	5
12.0mm	TDM23	5	15/32"	TD25T	5
12.5mm	TDM24	5	31/64"	TD29	3
13.0mm	TDM25	1	1/2"	TD09T	5
13.5mm	TDM26	1			
14.0mm	TDM27	1			
14.5mm	TDM28	1			
15.5mm	TDM30	1			
16.0mm	TDM31	1			



TD32



TD40

Description	Part No.	Pack
Jobber Set In Metal Case 1.0 - 10.0 x 0.5mm	TD32	19pc
Jobber Set In Plastic Case 1.5 - 6.5 x 0.5 + 3.3 + 4.2mm	TD40	13pc

# DORMER

## A170 HSS REDUCED SHANK DRILLS

- HSS 1/2" shank drill for general machining applications
- Capable of drilling up to x4 diameter
- Standard shank diameter enables drill to be used in 1/2 inch chuck
- Steam tempered finish for increased wear resistance



Description	Part No.	Pack
9/16" x 1/2"	TD33	1
5/8" x 1/2"	TD34	1
3/4" x 1/2"	TD43	1
1" x 1/2"	TD45	1

## HSS STRAIGHT FLUTE HANDTAPS

- HSS taps for production of internal threads in most materials
- Can be used by hand or in a machine



Description	Part No.	Pack
E500 M3 x 0.50mm	TAP09	1
E500 M4 x 0.70mm	TAP10	1
E500 M5 x 0.80mm	TAP07	1
E500 M6 x 1.00mm	TAP08	1
E500 M8 x 1.25mm	TAP01	1
E513 M10 x 1.25mm	TAP06	1
E500 M10 x 1.50mm	TAP02	1
E500 M12 x 1.75mm	TAP11	1

## HSS METRIC DIE NUTS

- HSS Die nuts for reclamation of damaged metric coarse external threads
- Suitable for use on most materials
- Hand operation only



Description	Part No.	Pack
F302 M5 x 0.80mm	DIE08	1
F302 M6 x 1.00mm	DIE09	1
F302 M8 x 1.25mm	DIE01	1
F312 M10 x 1.00mm	DIE07	1
F312 M10 x 1.25mm	DIE06	1
F302 M10 x 1.50mm	DIE02	1
F302 M12 x 1.75mm	DIE10	1

## METRIC & IMPERIAL TWIST DRILLS

- General purpose HSS drills manufactured to DIN338
- 118° point for professional & industrial applications
- Suitable for hand held drilling in metal, wood & plastic



Size	Part No.	Pack	Size	Part No.	Pack
1.0mm	TDM200	10	1/16"	TD200	10
1.5mm	TDM201	10	5/64"	TD201	10
2.0mm	TDM202	10	3/32"	TD202	10
2.5mm	TDM204	10	7/64"	TD203	10
3.0mm	TDM205	10	1/8"	TD204	10
3.3mm	TDM206	10	9/64"	TD205	10
3.5mm	TDM207	10	5/32"	TD206	10
4.0mm	TDM208	10	11/64"	TD207	10
4.2mm	TDM210	10	3/16"	TD208	10
4.5mm	TDM211	10	13/64"	TD209	10
5.0mm	TDM212	10	15/64"	TD211	10
5.5mm	TDM213	10	1/4"	TD212	10
6.0mm	TDM214	10	17/64"	TD213	10
6.5mm	TDM215	10	9/32"	TD214	10
7.0mm	TDM216	10	5/16"	TD216	10
7.5mm	TDM217	10	21/64"	TD217	10
8.0mm	TDM218	10	3/8"	TD220	10
8.5mm	TDM219	10	25/64"	TD221	5
9.0mm	TDM220	10	13/32"	TD222	5
9.5mm	TDM221	10	27/64"	TD223	5
10.0mm	TDM222	10	7/16"	TD224	5
10.5mm	TDM223	5	1/2"	TD228	5
11.0mm	TDM224	5			
12.5mm	TDM227	5			
13.0mm	TDM228	5			



TDM234



TDM235

Description	Part No.	Pack
1mm - 10mm x 0.5mm	TDM234	19pc
1mm - 13mm x 0.5mm	TDM235	25pc

## STEP DRILLS

- Drill various sizes of holes in ferrous & non ferrous materials up to 5mm thick



Description	Part No.	Pack
4 - 20mm in 2mm steps	TDM230	1
4 - 22mm in 2mm steps	TDM101	1
4 - 30mm in 2mm steps	TDM231	1

## CARBON STEEL HANDTAPS

- Carbon steel for hand tapping & general purpose work



Description	Part No.	Pack
M8 x 1.25mm	TAP102	1
M10 x 1.25mm	TAP103	1
M10 x 1.50mm	TAP104	1
5/16" UNF x 24TPI	TAP106	1
3/8" UNF x 24TPI	TAP107	1

## CARBON STEEL DIE NUTS

- Carbon steel for general purpose reclamation of screw threads



Description	Part No.	Pack
M8 x 1.25mm	DIE102	1
M10 x 1.00mm	DIE103	1
M10 x 1.25mm	DIE104	1
M10 x 1.50mm	DIE105	1
5/16" UNF x 24TPI	DIE106	1
3/8" UNF x 24TPI	DIE107	1

## PROFESSIONAL TAP & DIE SET

- 76pc tap & die set
- High quality steel taps and dies
- Split dies with machined lead-ins
- Die holder with self-centring mechanism for straight & accurate thread cutting
- Set includes intermediate & plug taps
- M3 - M12 coarse & fine thread
- Kit also includes:
  - T-handed tap wrench
  - Metric screw pitch gauge
  - Slotted 5mm screwdriver
  - Range of HSS drill bits



Description	Part No.	Pack
Professional Tap & Die Set	TAP42	76pc

## CHUCK KEY

- Type 1 chuck key with ten gear teeth
- Suitable for medium to heavy duty chucks with 6mm pilot hole
- SAE 1008 steel hardened & tempered



Description	Part No.	Pack
1/2" Chuck Key - Type 1	WT85	1

# GENERAL TOOLS & EQUIPMENT

TOOLS & EQUIPMENT

TYRE SHOP & TPMS

AUTOMOTIVE

WORKSHOP ASSORTMENTS

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## PARALLEL PIN PUNCH SET

- Long pattern 200mm overall length
- Extra long 90mm parallel drive
- Contains 1/8", 3/16", 1/4", 5/16" & 3/8" diameter punches
- Supplied in storage wallet



Description	Part No.	Pack
Parallel Pin Punch Set	WT50	5pc

## CENTRE PUNCH SET

- Designed to indent, mark & scribe lines in workpiece prior to drilling
- Punch point accurately ground to 90° angle
- Square head provides a large face for striking & prevents the punch from rolling from bench



Description	Part No.	Pack
Centre Punch Set	WT75	4pc

## NAIL PUNCH SET

- Cupped & bevelled points limit skidding off the nail head
- Square head provides large face for striking & prevents the punch from rolling from bench
- Contains 1/16", 3/32", 1/8" & 5/32" punches



Description	Part No.	Pack
Nail Punch Set	WT76	4pc

## COLD FLAT CHISELS

- Chrome vanadium
- For general cutting & chipping of metals
- For shaping, facing & cutting of stone work



Description	Part No.	Pack
1/2" x 8" (12.7mm x 205mm)	WT61	1
3/4" x 8" (19mm x 205mm)	WT62	1
1" x 8" (25.4mm x 205mm)	WT63	1

## WRECKING BAR



Description	Part No.	Pack
12" Heavy Duty Wrecking Bar	WT198	1

## PROFESSIONAL HEAVY DUTY VICE

- Heavy-duty vice
- Cast iron body
- Replaceable, serrated steel jaws
- Bench mounting
- Smooth rolled thread
- Model includes an anvil



Description	Part No.	Pack
150mm Fixed Base Professional Heavy-Duty Vice	WT469	1

## THREADED INSERT TOOL

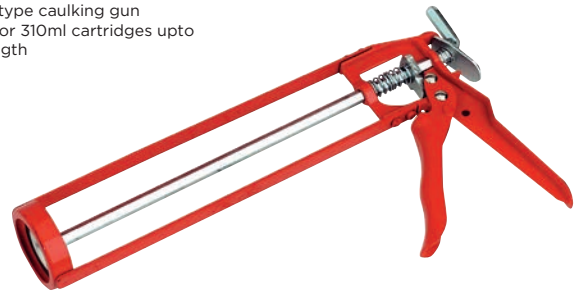
- Designed to enable threaded nut inserts to be easily set by hand
- Contains 4mm, 5mm, 6mm and 8mm nose bushes & mandrels
- Boxed kit also includes threaded nutserts



Description	Part No.	Pack
Threaded Insert Tool (Wallet)	WT77	1 Kit
Threaded Insert Tool (Boxed)	WT80	1 Kit

## CARTRIDGE / CAULKING GUN

- Skeleton type caulking gun
- Suitable for 310ml cartridges upto 220mm length



Description	Part No.	Pack
Cartridge / Caulking Gun	PG16	1

## MAGNETIC PARTS TRAY

- 6" round magnetic tray for storing metal objects during work



Description	Part No.	Pack
Stainless Steel 6" Magnetic Tray	WT182	1



# GENERAL TOOLS & EQUIPMENT

## PICK UP & INSPECTION TOOLS

- Magnetic pick up tool
- Extends from 6.1/2" to 26"
- Picks up 10lb maximum



Description	Part No.	Pack
10lb Magnetic Pick Up Tool	WT181	1

- Handy multi-functional tool
- Magnetic pick up tool
- Inspection mirror
- Windscreen washer probe
- Pen



Description	Part No.	Pack
4 in 1 Pick Up Tool	WT186	1

- Telescopic inspection mirror
- Extendable to 350mm / 14"



Description	Part No.	Pack
Telescopic Inspection Mirror	WT180	1

## SCRAPER TOOL

- Fine, precision blade for cleaning heads & carburettors



Description	Part No.	Pack
Gasket Scraper Tool	WT187	1

## MINI CABLE TIE ORGANISER

- Magnetic cable tie organiser can be attached to any metal tool cabinet or box for handy access
- Complete with 70 cable ties & a 115mm side cutter
- Cable ties range from 60mm to 200mm in length



Description	Part No.	Pack
Magnetic Cable Tie Organiser	WT188	1 Kit

## PADLOCKS

- Heavy duty padlocks



Description	Part No.	Pack
30mm Heavy Duty Padlocks	WKC10	2
50mm Heavy Duty Padlocks	WKC11	2

## MILD STEEL BAR

- Assortments of mild steel round bar of sizes: 6, 8, 10 & 12mm



Description	Part No.	Pack
Assorted Mild Steel Round Bar (1.0m Lengths)	REP129	10

## PERFORATED MILD STEEL

- 24" zinc plated perforated mild steel



Description	Part No.	Pack
24" Perforated Mild Steel	REP121	10

## LOCKING WIRE

- 0.9mm gauge galvanised mild steel locking wire



Description	Part No.	Pack
Locking Wire	REP105	1 x 0.5kg

- Stop cable



Description	Part No.	Pack
Stop Cable	REP103	2

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## 2 TON ULTRA LOW ENTRY JACK

- Ultra low entry height - 77mm
- Extremely low chassis for access under any vehicle
- Additional foot pedal pumping feature provides fast saddle raising to the load
- Long reach chassis improves access to lifting points deep under vehicles
- Rubber coated, ergonomically designed handle for operator comfort
- Large diameter swivel wheels for easy handling
- Protective cylinder jacket to prevent intrusion of dirt & welding splatter
- Min. height 77 mm
- Max. height 480 mm



Description	Part No.	Pack
2 Ton Ultra Low Entry Jack	COM2T-77	1

## 2 TON LONG REACH LOW ENTRY JACK

- Low clearance chassis for access under almost any vehicle
- Additional foot pedal pumping feature provides fast saddle raising to the load
- Safety lowering control valve for safe lowering even under maximum load.
- Protective cylinder jacket to prevent intrusion of dirt & welding splatter
- Rubber coated, ergonomically designed handle for operator comfort
- Min. height 80 mm
- Max. height 500 mm



Description	Part No.	Pack
2 Ton Low Entry Jack	COM2T-C	1

# COMPAC



Channel: Compac1946

## SOFT CONTACT RUBBER SADDLE



Description	Part No.	Pack
Soft Contact Rubber Saddle	COMI002LF	1

## 2 TON LONG REACH LOW ENTRY JACK

- Additional foot pedal pumping feature provides fast saddle raising to the load
- Long reach chassis improves access to lifting points deep under vehicles
- Safety lowering control valve for safe lowering even under maximum load
- Pressure relief valve prevents overloading
- Heavy duty fully welded structure in high quality steel
- Rubber coated, ergonomically designed handle for operator comfort
- Min. height 115 mm
- Max. height 500 mm



Description	Part No.	Pack
3 Ton Jack (LCV & 4WD)	COM3T-C	1

## WORKSHOP JACKS

- |  |   |   |  |  |  |
|--|---|---|--|--|--|
| <ul style="list-style-type: none"> <li>• Professional 2.5 tonne low profile garage jack</li> <li>• Covers wide range of lifting requirements</li> <li>• All steel construction to TUV standards</li> </ul> | <ul style="list-style-type: none"> <li>• Min height: 85 mm</li> <li>• Max height: 455 mm</li> <li>• Weight: 34.8kg</li> </ul> | <ul style="list-style-type: none"> <li>• Professional 3.0 tonne quick lift garage jack</li> <li>• Quick Lift - Only one pump needed</li> <li>• All steel construction to TUV standards</li> </ul> | <ul style="list-style-type: none"> <li>• Min height: 145mm</li> <li>• Max height: 500mm</li> <li>• Weight: 37.2kg</li> </ul> | <ul style="list-style-type: none"> <li>• Fully approved 3.0 tonne trolley jack</li> <li>• Covers wide range of lifting requirements</li> <li>• Fully approved TUV/ GS model</li> </ul> | <ul style="list-style-type: none"> <li>• Min height: 150mm</li> <li>• Max height: 490mm</li> <li>• Weight: 37.4kg</li> </ul> |
|--|---|---|--|--|--|



Description	Part No.	Pack
2.5T Low Profile Jack	WT360H	1



Description	Part No.	Pack
3.0T Quick Lift Jack	WT361H	1



Description	Part No.	Pack
3.0T Trolley Jack	WT362H	1

# LIFTING EQUIPMENT & COMPRESSORS

## AUTOMOTIVE JACKING & LIFTING EQUIPMENT

- 3 Tonne heavy duty jack stands
- All-steel construction
- Suitable for a wide range of vehicles up to 3 tonne
- Designed with a large saddle, wide base & large feet for even distribution of weight & increased stability
- Angled teeth in post prevent accidental release with self-locking ratchet



Description	Part No.	Pack
3 Tonne Heavy Duty Jack Stands	WT365H	1 Pair

- 3 Tonne folding axle stands
- 3 Tonne capacity each
- Easy to use & adjust
- Fold for convenient storage
- All steel construction
- Lifting range of 300mm to 430mm



Description	Part No.	Pack
3 Tonne Folding Axle Stands	WT366H	1 Pair

- 4 Tonne high lift axle stands
- 4 Tonne capacity each
- All steel stand with pin and chain load support
- Full width V-crutch for safe support of load
- Lifting range 1245mm to 1845mm



Description	Part No.	Pack
4 Tonne High Lift Axle Stands	WT367	1 Pair

- 600kg Transmission jack
- Manufactured to exacting standards, strong construction for durability & suitable for general workshop applications
- Spring loaded dead man's safety release control reduces the risk of inadvertent lowering
- Two way hydraulic unit ensures that the saddle lowers at a controlled speed at all times, even without load
- Extra large castors allow for increased manoeuvrability
- Hydraulic unit larger than the economy models for improved performance & durability



Description	Part No.	Pack
600kg Transmission Jack	WT368	1

- 500kg Engine brace
- Dual hooks allow the engine or gearbox to be held safely at the desired position
- 750mm - 1450mm foot width adjustment
- Rubber feet prevent slipping & paint damage
- Supplied with 2 x 930mm support chains



Description	Part No.	Pack
500kg Engine Brace	WT369	1

- Heavy duty cylinder trolley
- Lightweight tubular steel frame with large diameter wheels for easy transport of large cylinders
- Accepts cylinders up to Ø300mm



Description	Part No.	Pack
Heavy Duty Cylinder Trolley	WT495	1

## COMPRESSORS

### 200ltr Belt Drive 3hp with Front Control Panel

- Twin capacitors & a centrifugal switch aid trouble free start up on a good 13 Amp supply
- Pump features heavy-duty full cast cylinders, capped by alloy heads for improved heat dissipation & long life
- Features an easy to use bespoke control panel with two outlets, one regulated & one direct
- Heavy-duty drive guards protect belt & flywheel that is designed to force air over the pump to aid cooling
- Heavy-duty pneumatic wheels with single front lockable castor for easy manoeuvrability
- Supplied with hose reel to keep workspace tidy
- Includes a drain valve for easy release of condensed water build up in the tank



Description	Part No.	Pack
200 Litre Compressor	SEASAC3203B	1

### 200ltr Belt Drive 3hp with Cast Cylinders

- Our top of the range single phase 200ltr compressor, this unit is suitable for the professional workshop & is fitted with a genuine 3hp motor
- Twin capacitors & a centrifugal switch aid trouble free start up on a good 13 Amp supply
- Pump features heavy-duty full cast cylinders, capped by an alloy head for improved heat dissipation & long life
- Heavy-duty drive guard protects belt & flywheel designed to force air over the pump to aid cooling
- Supplied with full CE certification, test certificates & operating/maintenance manual
- Sealey recommend fitting a 16 Amp plug & connecting to a 20 Amp supply protected by a 'Type C' circuit breaker for easier start up



Description	Part No.	Pack
200 Litre Compressor	SEASAC2203B	1

### 50ltr Belt Drive Petrol Engine 5.5hp

- Fully mobile compressor with Honda GX160 5.5hp power unit coupled to heavy-duty, twin piston, cast iron pump
- Fitted heavy-duty rubber transport wheels & protected by 360° roll cage
- Heavy-duty drive guard protects belt & flywheel that is designed to force air over the pump to aid cooling
- Supplied with full CE certification, test certificates & operating/maintenance manual
- Features twin gauges & air outlet regulator
- Runs on unleaded fuel



Description	Part No.	Pack
50 Litre Compressor	SEASA5055	1

TOOLS & EQUIPMENT

TYRE SHOP & TPMS

AUTOMOTIVE

WORKSHOP ASSORTMENTS

FASTENERS

TUBING & REPAIR

ELECTRICAL

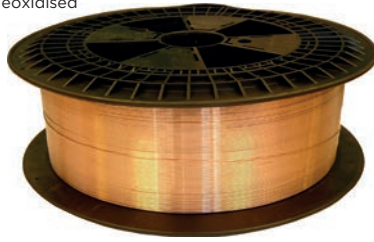
CHEMICALS

CLEANING & SAFETY

INDEX

## MIG WELDING WIRE

- A18-grade copper coated double-deoxidised mild steel MIG wire
- For welding unalloyed & low alloyed mild & medium tensile steels
- Precision layer-wound with a high quality copper finish for improved feeding
- Suitable for use in general fabrication, construction, tanks & boilers, agricultural, autobody & repair & maintenance applications



Description	Part No.	Pack
0.6mm Mig Welding Wire	WLD103	5kg
	WLD104	15kg
0.8mm Mig Welding Wire	WLD105	5kg
	WLD106	15kg

## MIG NOZZLES / SHROUDS

- Popular conical style nozzle
- Concentrates the shielding gas flow & direction in order to surround the weld in an inert environment



Description	Part No.	Pack
Mini Mig 100/130 Torch Shroud	WLD112	2

- Popular standard design conical nozzle
- For Euro Style Torches



Description	Part No.	Pack
Standard Conical Nozzle	WLD115	2

## MIG CONTACT TIPS

- M6 thread copper contact tips for MIG torches



Description	Part No.	Pack
0.6mm Replacement Tips	WLD113	10
0.8mm Replacement Tips	WLD114	10
1.0mm Replacement Tips	WLD116	10

## STICK WELDING ELECTRODES

- General purpose stick welding rods
- Mild steel electrodes
- Suitable for welding automobile bodies, light structural steels & machinery guards
- Provides a pleasing weld appearance



Description	Part No.	Pack
2.5mm	WLD411	2.5kg
2.5mm	WLD412	5.0kg
3.2mm	WLD413	2.5kg

## ELECTRODE HOLDERS

- 200A crocodile electrode holder
- Simple & efficient rod holding



Description	Part No.	Pack
200 Amp Electrode Holder	WLD403	1

- 400A twist grip electrode holder
- Handle twists to grip & release the rod
- 5mm max jaw opening



Description	Part No.	Pack
400 Amp Electrode Holder	WLD404	1

## EARTHING CLAMPS

- Crocodile earth clamp
- Solid, rugged, design
- Strong spring jaws
- Copper bridging strap to prevent arcing



Description	Part No.	Pack
200 Amp Earthing Clamp	WLD401	1
400 Amp Earthing Clamp	WLD402	1



## GAS WELDING RODS

- Low-carbon mild steel rod
- Free-flowing & produces a high strength ductile weld
- Ideal for all types of mild steel & wrought iron welding
- Copper coated to ensure long shelf life
- Particularly suitable for sheet metal panels, plates, tubes & fittings



Description	Part No.	Pack
1.6mm	WLD117	5.0kg
2.4mm	WLD118	5.0kg

## GAS BRAZING RODS

- Free flowing flux impregnated brazing rod
- Ideal for brazing clean mild steel



Description	Part No.	Pack
2.4mm	WLD205	5.0kg
3.2mm	WLD206	5.0kg

## BRAZING FLUX

- Powder flux
- For general brazing work



Description	Part No.	Pack
Brazing Flux	WLD305	500g

## NOZZLE CLEANERS

- Reamers & file
- For cleaning the holes of oxyacetylene or oxypropane gas cutting & welding nozzles
- Flip-out case



Description	Part No.	Pack
Nozzle Cleaners	WLD501	1 Set

## PISTOL GUN SPARK LIGHTER

- Pistol style spark lighter for igniting oxyacetylene or oxypropane torches



Description	Part No.	Pack
Pistol Gun Spark Lighter	WLD504	1

- Pack of ten replacement flints



Description	Part No.	Pack
Pistol Gun Flints	WLD505	10

## CHIPPING HAMMER

- Spring handle chipping hammer
- For the removal of weld flux when arc welding



Description	Part No.	Pack
Chipping Hammer	WLD400	1

## CYLINDER SPANNER / KEY

- Strong, black, drop-forged spanner
- Integrated cylinder key
- Jaws for common hose & regulator nuts



Description	Part No.	Pack
Combination Spanner / Key	WLD502	1

- Strong, drop forged, black finished key
- Fits valves on British Type gas bottles



Description	Part No.	Pack
Cylinder Key	WLD503	1

## SOLDERING IRONS

- 40w soldering iron
- Non slip handle
- 5mm tip
- 1.2m (approx) cable
- Approved 240v 3 pin plug
- Metal stand
- Manufactured to BS EN60335-2-45 SPEC CE/GS/ROHS approved



Description	Part No.	Pack
40w Soldering Iron	WT172	1

- 60w soldering iron
- Approved 240v 3 pin plug
- CE/ROHS approved



Description	Part No.	Pack
60w Soldering Iron	WT86	1

## SOLDER

- BS441 - flux cored solder reels
- For fine soldering on printed circuits & other electrical applications



- Grade D stick solder

Description	Part No.	Pack
16 SWG (1.6mm) Flux Cored Solder Reel	WLD303	500g
10 SWG (3.2mm) Flux Cored Solder Reel	WLD304	500g
Tinman's Stick Solder	WLD301	2

## EMERY ROLL

- For general sanding and smoothing operations
- 25mm x 50m & 50mm x 50m rolls



Description	Part No.	Pack
100 Grit Emery Blue Twill Roll (25mm x 50m)	ABR101	1 Roll
80 Grit Emery Blue Twill Roll (25mm x 50m)	ABR102	1 Roll
40 Grit Emery Blue Twill Roll (25mm x 50m)	ABR103	1 Roll

## EMERY SHEETS

- For general sanding and smoothing operations
- 230mm x 280mm (9" x 11") sheets



Description	Part No.	Pack
100 Grit Emery Blue Twill Sheets	ABR104	25
80 Grit Emery Blue Twill Sheets	ABR105	25
40 Grit Emery Blue Twill Sheets	ABR106	25

## ALUMINIUM OXIDE PAPER

- Production paper with aggressive and sustained cutting action for the fast removal of filler
- Ideal for painters and decorators, especially on woodwork
- 230mm x 280mm (9" x 11") sheets



Description	Part No.	Pack
80 Grit Aluminium Oxide Paper	ABR131	25
40 Grit Aluminium Oxide Paper	ABR132	25

## WET & DRY ABRASIVE PAPER

- Sharp sustained cutting action
- Resistant to grit shredding and creasing
- Does not clog or curl when used in water



Description	Part No.	Pack
1200 Grit	ABR118.25	25
800 Grit	ABR119	50
600 Grit	ABR120	50
500 Grit	ABR121	50
360 Grit	ABR122	50
320 Grit	ABR126	25
240 Grit	ABR127	25
220 Grit	ABR123	50
180 Grit	ABR124.25	25
120 Grit	ABR128	25
80 Grit	ABR125	50

## FIBRE DISCS

- 100mm Diameter Fibre Discs



Description	Part No.	Pack
24 Grit Fibre Discs	ABR176	25
36 Grit Fibre Discs	ABR177	25

## CUTTING DISCS

- Standard, metal (flat) and metal (depressed centre) cutting discs



Description	Part No.	Pack
3" Standard Cutting Discs (75 x 1.6 x 10mm)	ABR149	5
4" Cutting Discs - Depressed (100 x 3 x 22.2mm)	ABR151	5
4.1/2" Cutting Discs - Depressed (115 x 3 x 22.2mm)	ABR152	5
5" Cutting Discs - Depressed (125 x 3 x 22.2mm)	ABR154	5
7" Cutting Discs - Depressed (180 x 3 x 22.2mm)	ABR153	5
9" Cutting Discs - Depressed (230 x 3 x 22.2mm)	ABR155	5

## GRINDING DISCS

- Resin bonded - Type 27



Description	Part No.	Pack
4" Grinding Discs (100 x 5 x 16mm)	ABR157	5
4.1/2" Grinding Discs (115 x 5 x 22.2mm)	ABR158	5
5" Grinding Discs (125 x 6.5 x 22.2mm)	ABR156	5
7" Grinding Discs (180 x 6.5 x 22.2mm)	ABR159	5
9" Grinding Discs (230 x 6.5 x 22.2mm)	ABR160	5
4" Aluminium Oxide Grinding Discs (100 x 6.5 x 16mm) Suitable for high frequency use & compressed air machines	ABR161	10

## VALVE GRINDING ACCESSORIES

- For professional reconditioning of valves and valve seats
- Removes stubborn deposits and resurfaces the valves
- Minimum effort required
- Kit contains:  
Fine & Coarse grinding paste  
Grinding stick with suction cup

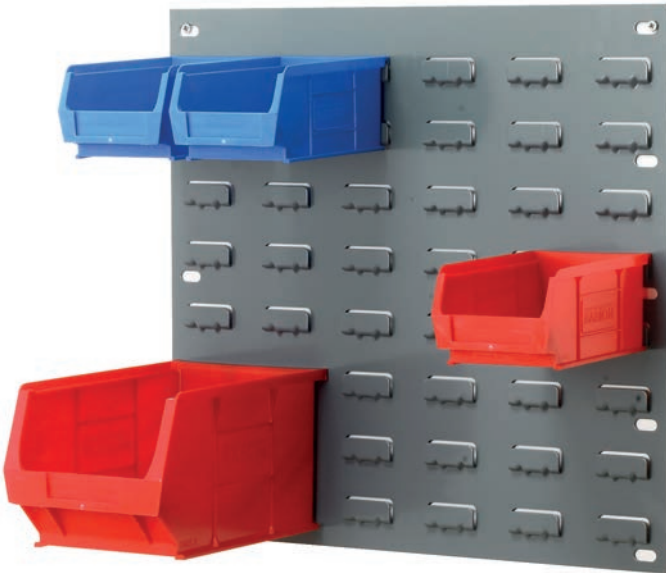


Description	Part No.	Pack
Valve Grinding Paste Kit	ABR303	1 Kit
Valve Grinding Sticks	ABR300	2

## STORAGE BINS

- Semi open fronted containers made from polypropylene
- These space saving storage bins can be stacked or used on louvered panels
- Injection moulded with anti-static additive & non-fade UV stabiliser
- Strong, heavy duty with reinforced bases, sides & stacking rim
- Durable, resistant to most industrial solvents & can withstand high temperatures
- Hygienic, clean, smooth inside faces guard against build up of grease etc
- Non-toxic therefore suitable for use with foodstuffs
- Clear access design eliminates the use of a tie bar giving easy access
- Available in red & blue

Description	Red	Blue	Pack
Size 2 100mm (w) x 75mm (h) x 165mm (l)	ATB01-1	ATB01-2	24
	ATB02-1	ATB02-2	2
Size 3 150mm (w) x 130mm (h) x 240mm (l)	ATB03-1	ATB03-2	1
Size 4 200mm (w) x 130mm (h) x 355mm (l)	ATB04-1	ATB04-2	1
Size 6 420mm (w) x 180mm (h) x 381mm (l)	ATB06-1	ATB06-2	1
Size 7 315mm (w) x 200mm (h) x 510mm (l)	ATB18-1		1



## WALL MOUNTED LOUVERED PANELS

Description	Part No.	Pack
25" x 18" (635mm x 460mm)	ATB08	1
61" x 18" (1550mm x 460mm)	ATB09	2
24.3/4" x 25" (630mm x 635mm)	ATB101	1
24.3/4" x 49" (630mm x 1245mm)	ATB102	1

## FLOOR STANDING LOUVERED PANELS

Description	Part No.	Pack
66" x 36" (1680mm x 915mm) Supplied With Adjustable Support Feet	ATB10	1

## LOUVERED PANEL SPIGOTS

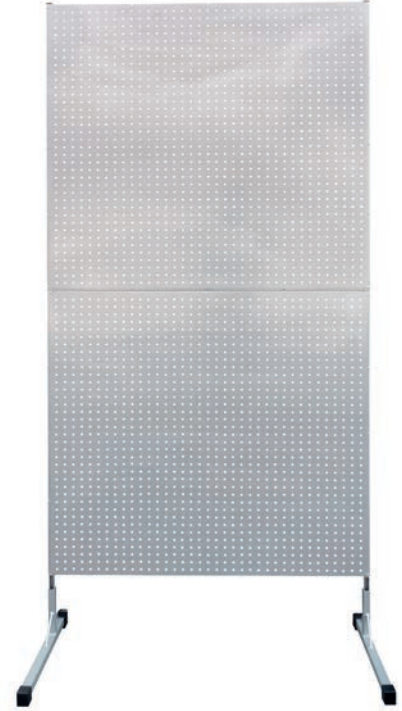


Description	Part No.	Pack
8" Spigots With Safety Tips	ATB11	10

## FREE STANDING PEGBOARD PANELS

- Supplied as TWO parts ATA09 & ATA10

- ATA09
- Top section
  - Pegboard size - 36" x 36"
- ATA10
- Bottom section with feet
  - Pegboard size - 36" x 36"



Description	Part No.	Pack
Top Section Pegboard - 36" x 36"	ATA09	1
Bottom Section Pegboard With Feet - 36" x 36"	ATA10	1

## PEGBOARD HOOKS



Description	Part No.	Pack
6" Single Prong Hook With Safety Tips	ATA04	10
	ATA04-B	50

## DOUBLE LOCKER TOOL CABINET

- Use as an individual storage unit
- Featuring two large doors, two full shelves & base storage
- Added security provided by cylinder lock
- Supplied with two keys
- All steel construction
- Stabilized by an inner cross member
- Supplied flat packed to save freight cost
- Simple assembly required
- 1060(h) x 916(w) x 458(d) - mm



Description	Part No.	Pack
Double Locker Tool Cabinet	WT468	1



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tpms



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of TPMS experts are  
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today, call them on:*

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**& select option 4**

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TOOLS &  
EQUIPMENT

TYRE SHOP &  
TPMS

AUTOMOTIVE

WORKSHOP  
ASSORTMENTS

FASTENERS

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REPAIR

ELECTRICAL

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CLEANING &  
SAFETY

INDEX



## Wheel Weights & Equipment Tyre Valves & Accessories Valve Tools Wheel & Tyre Removal Tyre Preparation Patches & Plugs Tyre Repair Chemicals Tyre Repair Tools TPMS

**i-Sensor® Snap In**

- Standard replacement stem for snap-in i-Sensor®
- Includes fitting screw

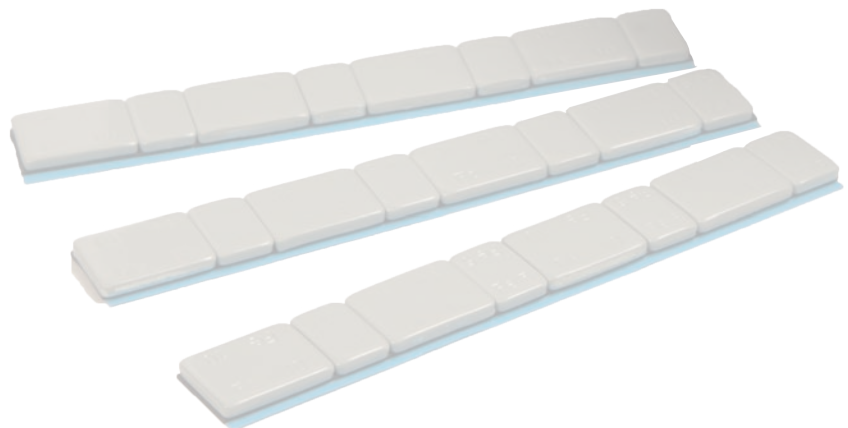




Actual Size Images

see pages  
62 & 63

Part No.	Pack
TPK03	1



2

# WHEEL WEIGHTS

Autogem's universal wheel balancing weights are approved and used by thousands of tyre fitters on a daily basis. Manufactured to the highest standards, we are confident enough to put our name on them.

## STEEL WHEEL WEIGHTS

- Universal steel wheel clip on weight



Weight	Part No.	Pack
5g	TRW205Z	100
10g	TRW210Z	100
15g	TRW215Z	100
20g	TRW220Z	100
25g	TRW225Z	100
30g	TRW230Z	100
35g	TRW235Z	50
40g	TRW240Z	50
45g	TRW245Z	50
50g	TRW250Z	50
55g	TRW255Z	50
60g	TRW260Z	50

- Assortment of popular steel wheel weights

Weights:  
• 5g, 10g, 15g, 20g, 25g, 30g, 35g & 40g



Description	Part No.	Pack
Assorted Steel Wheel Balance Weights	TRW200KIT	60pc

## ALLOY WHEEL WEIGHTS

- Universal alloy wheel clip on weight



Weight	Part No.	Pack
5g	TRW305Z	100
10g	TRW310Z	100
15g	TRW315Z	100
20g	TRW320Z	100
25g	TRW325Z	100
30g	TRW330Z	100
35g	TRW335Z	50
40g	TRW340Z	50
45g	TRW345Z	50
50g	TRW350Z	50
55g	TRW355Z	50
60g	TRW360Z	50

- Assortment of popular alloy wheel weights

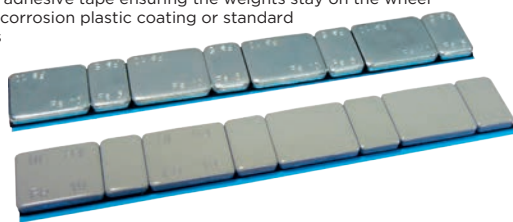
Weights:  
• 5g, 10g, 15g, 20g, 25g, 30g, 35g & 40g



Description	Part No.	Pack
Assorted Alloy Wheel Balance Weights	TRW300KIT	60pc

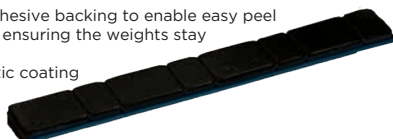
## ADHESIVE WEIGHTS

- Oversized protective strip on adhesive backing to enable easy peel
- Superior strength adhesive tape ensuring the weights stay on the wheel
- High quality, anti-corrosion plastic coating or standard zinc plated weights
- Easy to cut strips
- Silver finish



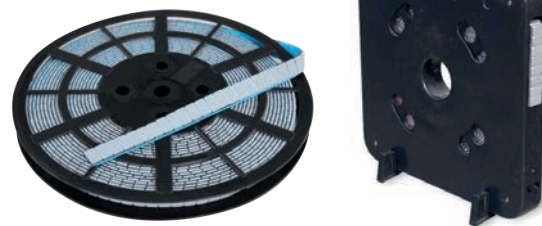
Description	Part No.	Pack
Zinc Plated Adhesive Weights 60g Strips - 5g & 10g	TRW500S	50 (3.0kg)
	TRW600S	100 (6.0kg)
Plastic Coated Adhesive Weights 60g Strips - 5g & 10g	TRW500Z	50 (3.0kg)
	TRW600Z	100 (6.0kg)

- Oversized protective strip on adhesive backing to enable easy peel
- Superior strength adhesive tape ensuring the weights stay on the wheel
- High quality, anti-corrosion plastic coating
- Easy to cut strips
- Black finish ideal for black coloured alloy wheels



Description	Part No.	Pack
60g Strips - 5g & 10g	TRW500B	50 (3kg)

- Wall mountable adhesive wheel weight dispenser
- Convenient weight dispensing method
- Available with 2.5kg or 5.0kg of adhesive wheel weights



Description	Part No.	Pack
500 x 5g Sections On Roll	TRW2500SR	2.5kg
1000 x 5g Sections On Roll	TRW5000SR	5.0kg

- Low profile adhesive wheel weights
- Suitable for motorcycles
- Available in silver & black finish



Description	Part No.	Pack
60g Strips - 5g - 3kg (Silver)	TRW105S	50 (3.0kg)
60g Strips - 5g - 3kg (Black)	TRW105B	50 (3.0kg)

# SPECIALIST WHEEL WEIGHTS

## HOFMANN® POWER WEIGHT

The **HOFMANN® POWER WEIGHT** brand combines long-standing tradition and history with the modern thinking of a fast-growing international brand. All of these products are manufactured according to the high requirements of automobile manufacturers with guaranteed balancing precision and lasting balancing properties, ensuring that no unnecessary reworking is required.



- High quality, OEM wheel balance weight
- Premium powder coated
- Exact weight with guaranteed balancing precision
- Optimal clip hardness
- Manufactured in Germany
- Tested In motor sports
- Compliant with ISO TS 16949 & ISO 14001

### TYPE 161 - STEEL WHEEL



### TYPE 660 - ALLOY WHEEL



### TYPE 360 - ADHESIVE

- Guaranteed adhesive strength
- Temperature resistant adhesive
- Weights of 15g to 75g also available upon request



Weight	Part No.	Pack
5g Pieces	TRW505HPW	100 (0.5kg)
10g Pieces	TRW510HPW	100 (1.0kg)

Weight	Part No.	Pack
5g	TRW205HPW	100
10g	TRW210HPW	100
15g	TRW215HPW	100
20g	TRW220HPW	100
25g	TRW225HPW	100
30g	TRW230HPW	100
35g	TRW235HPW	50
40g	TRW240HPW	50

Weight	Part No.	Pack
5g	TRW305HPW	100
10g	TRW310HPW	100
15g	TRW315HPW	100
20g	TRW320HPW	100
25g	TRW325HPW	100
30g	TRW330HPW	100
35g	TRW335HPW	50
40g	TRW340HPW	50

### HOFMANN® TYPE 187

- Type 187 Hofmann® Power Weight
- Fit Ford Transit steel rims (May 2014 onwards)
- Original OE weight type for the aftermarket
- Special clip design for improved clamping force
- Premium powder coated



Weight	Part No.	Pack
10g	TRW410HPW	100
15g	TRW415HPW	100
20g	TRW420HPW	100
25g	TRW425HPW	100
30g	TRW430HPW	100
35g	TRW435HPW	50

Weight	Part No.	Pack
40g	TRW440HPW	50
45g	TRW445HPW	50
50g	TRW450HPW	50
55g	TRW455HPW	50
60g	TRW460HPW	50

### JAPANESE WHEEL WEIGHTS

- Manufactured with a higher sitting clip specifically suited to thicker section wheels
- Mainly used with Japanese alloy wheels



Weight	Part No.	Pack
5g	TRW305J	100
10g	TRW310J	100
15g	TRW315J	100
20g	TRW320J	100
25g	TRW325J	100
30g	TRW330J	100
35g	TRW335J	50
40g	TRW340J	50

### ADHESIVE CV / SUV WEIGHTS

- Heavy duty weights for SUV's, buses & light trucks
- Gently curved profile allows for an accurate fit & best possible adhesion
- Zinc plated & plastic coated



Weight	Part No.	Pack
5g	TRW705Z	100
10g	TRW710Z	100
15g	TRW715Z	100
20g	TRW720Z	100
25g	TRW725Z	100
30g	TRW730Z	100
35g	TRW735Z	50
40g	TRW740Z	50

### WHEEL WEIGHT PLIERS

- For the attachment & removal of clip on weights



Description	Part No.	Pack
Wheel Weight Pliers	TRT512	1

### ADHESIVE WEIGHT REMOVER

- Plastic weight removal tool
- Prevents damage to alloy wheels



Description	Part No.	Pack
Adhesive Weight Remover	TRT515	1

### RESIDUE REMOVAL TOOL

- Adhesive residue removal tool
- Cleans efficiently & safely
- No damage to rims or finishes
- Can also be used to remove decals
- Max RPM: 4000
- Use with air buffing tools ING327LS or ALT66800



Description	Part No.	Pack
Residue Removal Tool	TRT517	1

TOOLS & EQUIPMENT

TYRE SHOP & TPMS

AUTOMOTIVE

WORKSHOP ASSORTMENTS

FASTENERS

TUBING & REPAIR

ELECTRICAL

CHEMICALS

CLEANING & SAFETY

INDEX

# TUBELESS TYRE VALVES

## SNAP IN TYRE VALVES - 11.5MM

- 412 type snap in tubeless valve
- Suitable for motorcycles & scooters
- EPDM Rubber
- 11.5mm rim hole
- 25mm valve length



Description	Part No.	Pack
Type 412 Tubeless Valve - Rubber	TRV412	25
	TRV412Q	100

- 413 type snap in tubeless valve
- EPDM Rubber
- 11.5mm rim hole
- 34mm valve length



Description	Part No.	Pack
Type 413 Tubeless Valve - Rubber	TRV413	100
Type 413 Tubeless Valve - Chrome Sleeved	TRV413C	100

- 414 type snap in tubeless valve
- EPDM Rubber
- Premium quality valves also available indicated by EU suffix
- 11.5mm rim hole
- 40mm valve length



Description	Part No.	Pack
Type 414 Tubeless Valve - Rubber	TRV414	100
Type 414 Tubeless Valve - Premium Rubber	TRV414EU	100
Type 414 Tubeless Valve - Chrome Sleeved	TRV414C	10

- 418 type snap in tubeless valve
- EPDM Rubber
- Premium quality valves also available indicated by EU suffix
- 11.5mm rim hole
- 53mm valve length



Description	Part No.	Pack
Type 418 Tubeless Valve - Rubber	TRV418	100
Type 418 Tubeless Valve - Premium Rubber	TRV418EU	100
Type 418 Tubeless Valve - Chrome Sleeved	TRV418C	10

- Snap in tubeless valve for scooters & go-karts
- 11.5mm rim hole
- 90° bend
- 30mm + 30mm valve length



Description	Part No.	Pack
Scooter Tyre Valve	TRV412L	10

## SNAP IN TYRE VALVES - 16.0MM

- 415 type snap in tubeless valve
- Suitable for SUVs
- EPDM Rubber
- 16mm rim hole
- 35mm valve length



Description	Part No.	Pack
Type 415 Tubeless Valve - Rubber	TRV415	10
	TRV415Q	100

## SNAP IN HIGH PRESSURE VALVES - 11.5MM

- TR600
- Ideal for light trucks
- 11.5mm rim hole
- 35mm valve length



Description	Part No.	Pack
Type 600 High Pressure Snap In Valve - Rubber	TRV600	10

- TR601
- Ideal for light trucks
- 11.5mm rim hole
- 40mm valve length



Description	Part No.	Pack
Type 601 High Pressure Snap In Valve - Rubber	TRV601	1

- TR602
- Ideal for light trucks
- 11.5mm rim hole
- 50mm valve length



Description	Part No.	Pack
Type 602 High Pressure Snap In Valve - Rubber	TRV602	1

## CLAMP IN TYRE VALVES - 8.5MM

- 8.5mm rim hole
- 39mm valve length



Description	Part No.	Pack
High Performance Tubeless Valve	TRV523	1

## CLAMP IN TYRE VALVES - 9.7MM

- 9.7mm rim hole
- 35mm valve length



Description	Part No.	Pack
Tubeless Truck Valve	TRV3201	1

- 9.7mm rim hole
- 35mm valve length



Description	Part No.	Pack
Tubeless Truck Valve	TRV3201C	1

- Clamp in tubeless truck valve with safety hump
- 9.7mm rim hole
- 45° bend
- 25mm + 28mm valve length



Description	Part No.	Pack
Type 412 Tyre Valve	TRV412B	10

- 9.7mm rim hole
- 7° bend
- 35mm + 29mm valve length
- MS70-7



Description	Part No.	Pack
Tubeless Truck Valve	TRV370	1



# TUBELESS TYRE VALVES

## CLAMP IN TYRE VALVES - 9.7MM (cont)

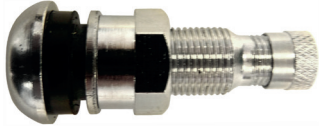
- 9.7mm rim hole
- 27° bend
- 25mm + 60mm valve length



Description	Part No.	Pack
Tubeless Truck Valve	TRV3204	1

## CLAMP IN TYRE VALVES - 11.5MM

- Clamp in tubeless valve
- 11.5mm rim hole
- 42mm valve length



Description	Part No.	Pack
Clamp In Tubeless Valve	TRV454	10

- Clamp in tubeless valve
- 11.5mm rim hole
- 42mm valve length



Description	Part No.	Pack
Clamp In Tubeless Valve	TRV522	5

- Clamp in tubeless valve
- 11.5mm rim hole
- 18mm + 25mm valve length



Description	Part No.	Pack
Clamp In Motorcycle Tubeless Valve	TRV411	1

## CLAMP IN TYRE VALVES - 16.0MM

- Type 575 truck valve
- 16mm rim hole
- 29mm valve length



Description	Part No.	Pack
Tubeless Truck Valve	TRV575	1

- 416 type clamp in tubeless valve
- 16mm rim hole
- 35mm valve length



Description	Part No.	Pack
Clamp In Tubeless Valve	TRV521	5

- Type 570C truck valve
- 16mm rim hole
- 58mm valve length
- 90° angle



Description	Part No.	Pack
Tubeless Truck Valve	TRV570-C	1

## CLAMP IN TYRE VALVES - 16.0MM

- 16mm rim hole
- 40mm valve length



Description	Part No.	Pack
Tubeless Truck Valve	TRV3121	1

- Truck valve
- 16mm rim hole
- 155° bend
- 84mm + 56mm valve length



Description	Part No.	Pack
Tubeless Truck Valve	TRV5628	1

## CLAMP IN TYRE VALVES - 20.5MM

- 20.5mm rim hole
- 27° bend
- 25mm + 60mm valve length
- Use with TRV813S



Description	Part No.	Pack
Tubeless Truck Valve	TRV650	1

- Valve spud
- 20.5mm rim hole
- SP2



Description	Part No.	Pack
20.5mm Valve Spud	TRV813S	1

## AIR & WATER VALVES

- 16mm rim hole
- 55mm valve length



Description	Part No.	Pack
Snap In TR618 Air & Water Valve	TRV618AS	10

- 16mm rim hole
- 47mm valve length



Description	Part No.	Pack
Clamp In TR618 Air & Water Valve	TRV618AC	10

## PLASTIC VALVE FERRULES

- Plastic ferrules



Description	Part No.	Pack
Plastic Ferrules	TRV633	25

# VALVE EXTENSIONS & EQUIPMENT

## CAR VALVE EXTENSION

- Car valve extension cap
- Plastic
- 38mm



Description	Part No.	Pack
38mm Car Valve Extension	TRV6300	10

## MOTORCYCLE VALVE EXTENSION

- Motorcycle valve extension
- 45° angle



Description	Part No.	Pack
Motorcycle Valve Extension	TRV6400	10

## STRAIGHT RIGID TRUCK VALVE EXTENSIONS

- Straight rigid truck valve extensions
- Metal



Description	Part No.	Pack
76mm Metal Valve Extension	TRV105	1
84mm Metal Valve Extension	TRV110	1
100mm Metal Valve Extension	TRV100.1	1
	TRV100	50
126mm Metal Valve Extension	TRV115	1
160mm Metal Valve Extension	TRV120	1

- Straight rigid truck valve extensions
- Plastic



Description	Part No.	Pack
71mm Plastic Valve Extension	TRV155	1
115mm Plastic Valve Extension	TRV165	10
130mm Plastic Valve Extension	TRV150	1
150mm Plastic Valve Extension	TRV170	10
170mm Plastic Valve Extension	TRV175	10

## FLEXI TRUCK VALVE EXTENSIONS

- Metal braided truck valve extension
- Flexible



Description	Part No.	Pack
180mm Metal Braided Valve Extension	TRV6356	1
300mm Metal Braided Valve Extension	TRV6375	1

## FLEXI TRUCK VALVE EXTENSIONS

- Braided truck valve extension
- Flexible



Description	Part No.	Pack
140mm Braided Flexi Truck Valve Extension	TRV6354	10
180mm Braided Flexi Truck Valve Extension	TRV6355	1

- Michelin braided truck valve extension
- Flexible



Description	Part No.	Pack
210mm Michelin Braided Flexi Truck Valve Extension	TRV6365	1
270mm Michelin Braided Flexi Truck Valve Extension	TRV6370	1

## TRUCK VALVE EXTENSION BRACKETS

- Fixing bracket for flexible extensions
- Single extension holder



Description	Part No.	Pack
Single Fixing Bracket For Flexi Extensions	TRV631-S	1

- Fixing bracket for flexible extensions
- Double extension holder



Description	Part No.	Pack
Double Fixing Bracket For Flexi Extensions	TRV632	1

## VALVE REDUCERS

- AD1 valve reducer
- Reduces large bore valves to standard bore



Description	Part No.	Pack
AD1 Valve Reducer	TRV6010	1

- EM cap type valve reducer
- Reduces large bore valves to standard bore



Description	Part No.	Pack
EM Cap Type Valve Reducer	TRV7000	10

## BALLAST WATER EMPTYING TOOL

- Water emptying tool for air / water filled wheels



Description	Part No.	Pack
Ballast Water Emptying Tool	TRT690	1

# VALVE CAPS, CORES & TOOLS

## VALVE CAPS

- TPMS plastic valve cap
- Includes integrated rubber o-ring for additional sealing against contaminants



Description	Part No.	Pack
TPMS Plastic Valve Cap	TPK403	100

- Standard plastic valve cap



Description	Part No.	Pack
Plastic Valve Cap - Black	TRV400	100
Plastic Valve Cap - Green (Nitrogen Fill)	TRV400G	100

- High pressure valve cap
- Hex head



Description	Part No.	Pack
High Pressure Valve Cap	TRV5996	100

- Domed Metal Valve Cap



Description	Part No.	Pack
Standard Dome Metal Valve Cap	TRV5998	100
High Dome Metal Valve Cap	TRV5999	100

- Heavy duty valve cap



Description	Part No.	Pack
Heavy Duty Valve Cap	TRV6000	100

## VALVE CORES

- Standard bore valve core
- Nickel plated
- Suitable for all standard bore valve types, including TPMS valves



Description	Part No.	Pack
Standard Bore Valve Core - Nickel Plated (TPMS)	TPK401N	100

## VALVE CORE TOOLS

- Screwdriver type valve core tools
- Available for:
  - Standard bore
  - Large bore
  - TPMS



Description	Part No.	Pack
Valve Core Tool - Standard Bore Long	TRT687	1
Valve Core Tool - Standard Bore Short	TRT688	1
Valve Core Tool - Standard Bore TPMS 0.40Nm	TPT04	1
Valve Core Tool - Twin End Earthmover / Commercial	TRT692	1

## VALVE MOUNTING TOOLS

- Enables correct angle to avoid damaging rubber TPMS sensors when pulling into rims
- Double sided pivot block
- Can also be used as an aid to hold valves firmly when attaching rubber valves to sensors



Description	Part No.	Pack
TPMS Rubber Valve Mounting Tool	TPT35	1

- Alloy wheel valve mounting tool
- Screw on type



Description	Part No.	Pack
Alloy Wheel Valve Mounting Tool	TRT993	1

- Steel wheel valve mounting tool
- Screw on type



Description	Part No.	Pack
Standard Steel Wheel Valve Mounting Tool	TRT993S	1
Slightly Bent Steel Wheel Valve Mounting Tool	TRT993B	1

- Slide on valve mounting tool



Description	Part No.	Pack
Slide On Valve Mounting Tool (Plastic Head)	TRT900	1
Slide On Valve Mounting Tool (Metal Head)	TRT900S	1

- Valve fishing tool
- Aligns inner tube valves to rim
- Valve core tool in handle



Description	Part No.	Pack
Valve Fishing Tool	TRT691	1

## VALVE REPAIR TOOL

- 4 in 1 valve repair tool



Description	Part No.	Pack
4 In 1 Valve Repair Tool	TRT689	1

## SKIVING KNIVES

- Tapered skiving knives
- For removing rubber valves, trimming plugs & inserts



Description	Part No.	Pack
Standard Tapered Skiving Knife - Plastic Handle	TRT111	1
Heavy Duty Tapered Skiving Knife - Wooden Handle	TRT113	1

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# WHEEL NUT SOCKETS & TORQUE TOOLS

## PROFESSIONAL TORQUE WRENCHES

- 1/2" Sq drive torque wrench
- 70Nm - 350Nm
- Reversible ratchet
- Weight: 1.43kg
- Length: 580mm
- Accuracy set +/- 4%
- Delivered in blow mould case

- Supplied with calibration certificate



Description	Part No.	Pack
Torque Wrench (70-350Nm)	WT380	1

- 1/2" Square drive torque wrench
- Reversible ratchet
- Audible click & slight release on torque
- Length 510mm
- Weight 1.2kg
- Accuracy set +/- 4%
- Delivered in plastic box

- Supplied with inspection report



Description	Part No.	Pack
Torque Wrench (40-200Nm)	WT65240	1

## ALLOY WHEEL SOCKETS

- 1/2" drive alloy wheel impact socket set
- Chrome molybdenum
- External & internal sleeve avoids damage to wheel & nuts
- Hardened, tempered & anodised for corrosion resistance
- Six point
- Suitable for use with impact tools
- Colour coded
- Sockets available individually

Sizes (mm):  
17, 19, 21, 22, 23, 24 & 27



Description	Part No.	Pack
7pc Heavy Duty Alloy Wheel Impact Socket Set	WT470	7pc

Description	Part No.	Pack
15mm Socket - Green	WT426	1
17mm Socket - Blue	WT427	1
19mm Socket - Gold	WT428	1
21mm Socket - Red	WT429	1
22mm Socket - Aqua	WT430	1
27mm Socket - Black	WT431	1

- 1/2" drive alloy wheel impact socket set
- **"Total Contact"** sockets protect nut corners from the damage associated with conventional hex sockets
- Forged chrome molybdenum steel
- Plastic sleeve
- Colour coded

Sizes (mm):  
17, 19 & 21



Description	Part No.	Pack
Extra Heavy Duty Alloy Wheel Impact Socket Set	WT147H	3pc

- 1/2" drive alloy wheel impact socket set
- Plastic sleeve
- Colour coded

Sizes (mm):  
17, 19 & 21



Description	Part No.	Pack
3pc Alloy Wheel Impact Socket Set	WT147	3pc

## MERCEDES BENZ 17MM WHEEL NUT SOCKET

- 1/2" Drive 17mm WAF
- Manufactured from chrome vanadium
- Thin wall with protective sleeve
- Application:  
C-Class (W204)  
E-Class (W211, W212, W207)



Description	Part No.	Pack
Mercedes Benz 17mm Wheel Nut Socket	WT436	1

## LOCKING WHEEL NUT REMOVAL KIT

- 4pc locking wheel nut removal kit
- Forged chrome molybdenum steel
- 1/2" Sq drive
- Removes locking wheel nuts when key is not available
- May also be used on fixings too damaged or corroded for standard sockets
- Set includes drift to aid removal of fixing from socket
- Phosphate finish for resistance to corrosion
- Suitable for use with impact wrenches

Sizes (mm):  
17, 19, 21 & 22



Description	Part No.	Pack
4pc Locking Wheel Nut Removal Kit	WT149	4pc

## WHEEL STUD THREAD RESTORER

- For repairing damaged wheel stud threads
- Ensures alignment of existing thread.
- Spare O-ring

Sizes (mm):  
M12 x 1.25, M12 x 1.50m & M14 x 1.50



Description	Part No.	Pack
Wheel Stud Thread Restorer Kit	WT423	1 Kit

## TORQUE LIMITED EXTENSION BARS

- Prevents over-tightening of wheel lug nuts, distortion of wheels, drums & rotors
- Helps apply torque to correct tolerances
- Works with any impact wrench
- Color-coded and engraved with torque range for quick reference
- Includes carrying case

Contains:  
55 ft.lb. (75 Nm) - Red  
65 ft.lb. (90 Nm) - Yellow  
80 ft.lb. (110 Nm) - Green  
100 ft.lb. (135 Nm) - Blue  
120 ft.lb. (160 Nm) - White  
140 ft.lb. (190 Nm) - Black  
175 ft.lb. (240 Nm) - Orange



Description	Part No.	Pack
8pc 1/2" Drive Deep Impact Socket Set	WT475	7pc

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# WHEEL NUT TOOLS & LEVERS

## LIMITED TORQUE IMPACT WRENCHES

- 1/2" Limited torque air impact wrench
- Limited forward torque: 47-75Nm
- Nut busting torque: 816Nm
- Lightweight - Only 1.9kg
- Ring type anvil
- Twin-hammer impact mechanism
- Aluminium hammer case & composite housing
- Designed for high volume tyre changing
- Eliminates over tightening of wheel nuts



Description	Part No.	Pack
Ingersoll Rand 1/2" Impact Wrench	ING2130XP-TL	1

- 1/2" Limited torque air impact wrench
- Limited forward torque: 90Nm
- Nut busting torque: 814Nm
- 8000 rpm
- 2.7kg
- Twin-hammer impact mechanism
- Metal body & handle
- Air exhaust under handle
- Designed for high volume tyre changing
- Eliminates over tightening of wheel nuts



Description	Part No.	Pack
Kuani 1/2" Impact Wrench	ALT130	1

## BREAKER BARS

- High quality breaker bar
- 1/2" x 600mm
- Replacement knuckle available



Description	Part No.	Pack
1/2" x 600mm Breaker Bar	WT383	1
Spare Knuckle For WT383	WT384	1

- Heavy duty breaker bar
- 1/2" x 600mm



Description	Part No.	Pack
1/2" x 600mm Heavy Duty Breaker Bar	WT383H	1

- High quality breaker bar
- Rubberised comfort grip
- 3/4" x 600mm



Description	Part No.	Pack
3/4" x 600mm Breaker Bar	WT492	1

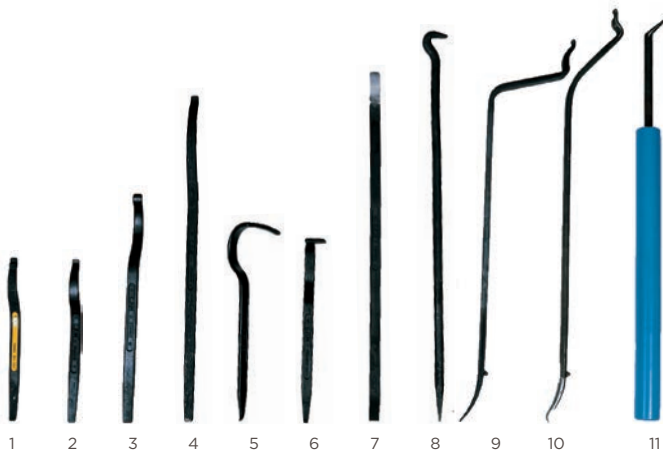
## SPIDER WHEEL BRACE

- 4 way wheel brace
- Fits 17mm, 19mm, 21mm & 11/16" nuts



Description	Part No.	Pack
4 Arm Spider Wheel Brace	TRT128	1

## MICHELIN TYRE LEVERS



NO.	Description	Part No.	Pack
1	Moto Lever (Motorcycle) - 38cm	TRT1547	1
2	Fusil Lever (Car) - 38cm	TRT425	1
3	Face Lever (Truck D/C Rim Sm Tyre) - 53cm	TRT4026	1
4	Force Lever (Truck D/C Rim Lg Tyre) - 75cm	TRT1289	1
5	Fiacre Lever (Truck Flat Rim) - 45cm	TRT427	1
6	Fifre Lever (Truck Flat Rim) - 41.5cm	TRT428	1
7	Halte Lever (Truck 15" D/C Rim) - 80cm	TRT1060	1
8	Sayam Lever (Earthmover) - 95cm	TRT858	1
9	Hyoca Lever (Lug Base / EM D/C Rim) - 93.5cm	TRT1194	1
10	Hyude Lever (Lug Base / EM D/C Rim) - 99cm	TRT1195	1
11	Fagus Lever (Bead Remover) - 139cm	TRT1230	1

## STANDARD TYRE LEVER

- Spoon type 20" tyre lever



Description	Part No.	Pack
20" Tyre Lever	TRT195	1

- Lever covers



Description	Part No.	Pack
Lever Cover (Sleeve)	TRT195C1	1
Lever Cover (Rim Protector)	TRT195C2	1

- Rim protector



Description	Part No.	Pack
Rim Protector	TRT525	1

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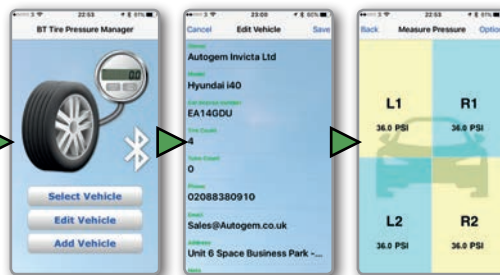
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# INFLATION & CHECKPOINT®

## DIGITAL TYRE INFLATOR WITH BLUETOOTH COMMUNICATION

- High accuracy digital tyre inflator with bluetooth support
  - Efficient inflation & deflation rates
  - Downloadable application for Android & iOS devices
- Stores vehicle data to application:
- MMY
  - VRN
  - Image
  - Customer contact details
  - Additional notes



Description	Part No.	Pack
Autogem Digital Tyre Inflator	AL114	1

Additional Inflation Equipment & Airline Components Available In The Tools Section: Pages 8 - 11  
 Jacking & Lifting Equipment Also Available In The Tools Section: Pages 36 - 37

## CHECKPOINT ORIGINAL®

Checkpoint Original® provides a clear indication of nut movement.

It was the first ever product of its kind in the global market to provide an indication of wheel nut movement on vehicles.

Checkpoint Original® shows a commitment to health & safety & fleet safety standards allowing an easy, walk around daily inspection for fleet managers, health & safety inspectors & drivers.

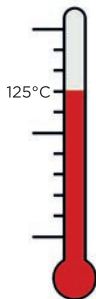
Its application has since been introduced to different sectors in order to provide a solution to loosened nuts on plant structures, rail tracks etc.

- Primary functions:
- Indicate nut loosening
  - Indicate nut overheating

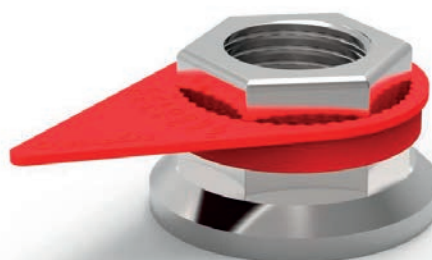
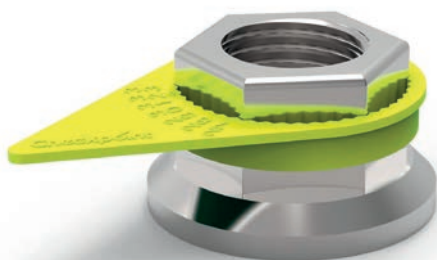
- Primary benefits:
- Improved safety of nut fittings
  - Facilitates quick & easy visual checks / audits
  - Cost effective solution reducing maintenance costs & saving time

- Material:
- High grade Polymer
  - Available in Fluoro Yellow or Red

- Melting Temperature:
- 125°C / 257°F



# Checkpoint ORIGINAL®



Description	Part No.	Pack
Checkpoint Indicator 21mm Yellow	CPINDY21	100
Checkpoint Indicator 24mm Yellow	CPINDY24	100
Checkpoint Indicator 27mm Yellow	CPINDY27	100
Checkpoint Indicator 30mm Yellow	CPINDY30	100
Checkpoint Indicator 32mm Yellow	CPINDY32	100
Checkpoint Indicator 33mm Yellow	CPINDY33	100
Checkpoint Indicator 38mm Yellow	CPINDY38	100
Checkpoint Indicator 41mm Yellow	CPINDY41	100

Description	Part No.	Pack
Checkpoint Indicator 21mm Red	CPINDR21	100
Checkpoint Indicator 24mm Red	CPINDR24	100
Checkpoint Indicator 27mm Red	CPINDR27	100
Checkpoint Indicator 30mm Red	CPINDR30	100
Checkpoint Indicator 32mm Red	CPINDR32	100
Checkpoint Indicator 33mm Red	CPINDR33	100
Checkpoint Indicator 38mm Red	CPINDR38	100
Checkpoint Indicator 41mm Red	CPINDR41	100

# TYRE & WHEEL PREPARATION

## TYRE SPREADERS

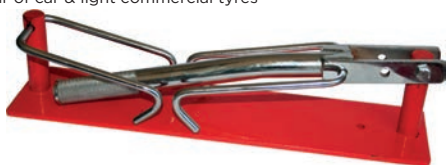
- Floor standing & floor mountable tyre spreader
- Simple, durable design for faster tyre servicing
- Heavy duty steel construction



- Features:
- Extra large floor plate
  - Adjustable claw height for stabilising low profile tyres
  - Locking pin secures arms in position
  - Adjustable range to handle all passenger & light truck tyres
  - Large dual roller pin assembly
  - Pre drilled bolt holes for fixing to floor
  - Simple self assembly with instructions

Description	Part No.	Pack
Floor Standing Tyre Spreader	TRT101F	1

- Aids the inspection & repair of car & light commercial tyres
- Bench mountable



Description	Part No.	Pack
Bench Fit Tyre Spreader	TRT101	1

## AIR TYRE BUFFERS

- Air tyre buffer
- 0.38kW (0.50HP)
- Low speed - 3,000 rpm
- Lightweight - 0.50kg
- Piped-away exhaust system



Description	Part No.	Pack
Ingersoll Rand Low Speed Air Tyre Buffer	ING327LS	1

- Air tyre buffer
- Perfect for drilling & buffing tyre injuries
- Low speed - 4000 rpm
- Optional chuck & exhaust kits



Description	Part No.	Pack
Kuani Low Speed Air Tyre Buffer	ALT66800	1
10mm Chuck With Key For ALT66800	ALT65794	1
10mm Auto-Chuck For ALT66800	ALT65795	1
Exhaust Kit For ALT66800	ALT65796	1

## RIM PREPARATION TOOLS

- Heavy duty steel wire brush
- Crimped steel wire fill
- Ergonomic plastic handle
- Narrow face
- Ideal for removing rust, paint & debris
- Aids cleaning in hard to reach areas



Description	Part No.	Pack
Heavy duty steel wire brush	WKC21U	1

- 75mm twist knot flat wire wheel
- Stainless steel
- Removes heavy rust, paint & debris
- Fitted with 6mm shank for professional use



Description	Part No.	Pack
75mm - M10 x 1.50mm Bore	WT91	1

## TYRE PREPARATION TOOLS

- Inner liner scraper



Description	Part No.	Pack
Inner Liner Scraper	TRT149	1

- Buffing flap wheel
- 80 grit finishing tool
- 6mm shaft for use with air buffer



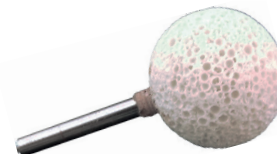
Description	Part No.	Pack
Buffing Flap Wheel	TRT510	1

- Buffing disc with arbor
- 1/2 spherical rasp
- 6mm shaft for use with air buffer



Description	Part No.	Pack
Buffing Disc With Arbor	TRT511	1

- Golf ball buffing stone
- Spherical rasp
- For mechanical preparation of the inner liner
- 6mm shaft for use with air buffer



Description	Part No.	Pack
Golf Ball Buffing Stone	TRT998	1

- Black oxide buffing stone
- Cylindrical rasp
- For mechanical preparation of the inner liner
- 6mm shaft for use with air buffer



Description	Part No.	Pack
Black Oxide Buffing Stone	TRT1010	1

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# TYRE PREPARATION & REPAIR

## INJURY PREPARATION TOOLS

- Screwdriver style tyre probe



Description	Part No.	Pack
Tyre Probe	TRT110	1

- Screwdriver style tyre probe
- Angled tip



Description	Part No.	Pack
Tyre Probe Angled Tip	TRT110B	1

- High speed steel reamer
- Used in the preparation of a tyre injury
- Removes the damaged steel cord



Description	Part No.	Pack
3mm High Speed Steel Reamer	TRT150	1
3mm High Speed Steel Reamer With 6mm Shaft	TRT150R	1
6mm High Speed Steel Reamer	TRT513	1
8mm High Speed Steel Reamer	TRT151	1
10mm High Speed Steel Reamer	TRT148	1

- Premium quality reamers
- Deep milling shaft
- Used in the preparation of a tyre injury
- Removes the damaged steel cord



Description	Part No.	Pack
3mm High Speed Steel Reamer	TRT4946	1
6mm High Speed Steel Reamer	TRT4947	1
8mm High Speed Steel Reamer	TRT65581	1
10mm High Speed Steel Reamer	TRT4954	1

- Screwdriver style tyre reamer
- 3mm reamer



Description	Part No.	Pack
3mm Reamer Tool With Screwdriver Grip	TRT145	1

- Pistol grip style tyre reamer
- 6mm reamer
- Ergonomic pistol grip handle



Description	Part No.	Pack
6mm Reamer Tool With Pistol Grip	TRT146	1
Replacement Needle For TRT146	TRT146R	1

- Spiral blade cement tool
- Ergonomic pistol grip handle



Description	Part No.	Pack
Spiral Cement Tool With Pistol Grip	TRT144	1

## INSERT / NEEDLE TOOLS

- Open eye insert tool
- Ergonomic 'T' shaped handle



Description	Part No.	Pack
3" Open Eye Needle With 'T' Handle	TRT136	1
6" Open Eye Needle With 'T' Handle	TRT135	1

- Chrome 'T' shaped handle insert tool
- Allen key design allows easy replacement or changing of needles
- Allen key included



Description	Part No.	Pack
Chrome 'T' Handle & Allen Key	TRT143	1
6" Open Eye Needle For TRT143	TRT141	1
6" Side Load Needle For TRT143	TRT142	1
8" Closed Eye Needle For TRT143	TRT135R	1

- 8" side load insert tool
- Ergonomic pistol grip handle



Description	Part No.	Pack
8" Side Load Heavy Duty Needle With Pistol Grip	TRT137	1

- Screwdriver style side load insert tool



Description	Part No.	Pack
3" Side Load Needle	TRT139	1
8" Side Load Heavy Duty Needle	TRT138	1

- Screwdriver style closed eye insert tool
- Standard 4" & heavy duty 8" needle versions



Description	Part No.	Pack
4" Closed Eye Needle	TRT140	1
8" Heavy Duty Closed Eye Needle	TRT140L	1



# TYRE REPAIR MATERIALS

## COMBI PLUG REPAIR PATCHES

- Combi plug patches
- Complete with pilot stem

Available in:

- 3mm, 6mm, 8mm & 10mm



Description	Part No.	Pack
3mm Combi Plug Patch	TR155	50
6mm Combi Plug Patch	TR150B	40
8mm Combi Plug Patch	TR153	48
10mm Combi Plug Patch	TR152	20

- Schrader plug repair patches
- Multiple injury size options
- PRP's can be used up to 3 years after packing date



Description	Part No.	Pack
3mm Plug Repair Patches	TR4953	40
6mm Plug Repair Patches	TR4956	24
8mm Plug Repair Patches	TR42868	12
10mm Plug Repair Patches	TR4955	10

## TYRE REPAIR INSERTS

- Ideal for a temporary injury fill
- Tyre should be removed from the rim and inspected for damage before installation
- Emergency repair only



Description	Part No.	Pack
133mm Tubeless Fibre Seal Inserts	TR160	40
300mm Tyre Repair Inserts	TR163	50
100mm Heavy Duty Tyre Repair Inserts (Brown)	TR161	30
200mm Heavy Duty Tyre Repair Inserts (Brown)	TR162	25

- Camel branded
- Suitable for small injuries on car tyres
- Emergency repair only



Description	Part No.	Pack
100mm Steel Belted Radial Inserts	TR15280	60

## TYRE PATCHES

- Round tyre patches



Description	Part No.	Pack
40mm Round Tyre Patch	TR104	100
55mm Round Tyre Patch	TR105	50

- Radial tyre patches



Description	Part No.	Pack
55mm x 75mm Radial Tyre Patch	TR107	20
60mm x 110mm Radial Tyre Patch	TR106	20
80mm x 125mm Radial Tyre Patch	TR108	10

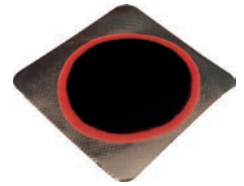
- Crossply patches



Description	Part No.	Pack
75mm Crossply Patch	TR130	20
105mm Crossply Patch	TR131	10
135mm Crossply Patch	TR132	10

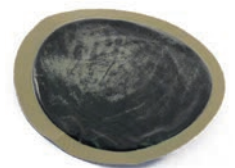
## TUBE PATCHES

- Foil backed
- Round & oval tube patches



Description	Part No.	Pack
30mm Round Tube Patch	TR100	50
38mm Round Tube Patch	TR101	40
45mm Round Tube Patch	TR102	24
50mm Round Tube Patch	TR103	28
35mm x 70mm Oval Tube Patch	TR117	25

- Round tube patches
- Poly backed



Description	Part No.	Pack
35mm Round Tube Patch	TR118	48
55mm Round Tube Patch	TR119	24
60mm Round Tube Patch	TR120	10
80mm Round Tube Patch	TR121	30

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# TYRE MOUNTING

## PATCH STITCHERS

- Stitcher combined with abrasive buffer



Description	Part No.	Pack
Combined Stitcher / Buffer	TRT105	1

- Wooden handled roller patch stitcher



Description	Part No.	Pack
Economy 3mm Stitcher	TRT102	1
38 Degree 3mm Ball Bearing Stitcher	TRT103	1
38 Degree 6mm Ball Bearing Stitcher	TRT104	1

## TYRE MARKERS

- Ideal for marking repair area on damaged tyres
- Available in yellow or white



Description	Part No.	Pack
Yellow Wax Markers	TR501	5pc
White Wax Markers	TR503	10pc

## TYRE BUFFING SOLUTIONS

- Fast drying buffing aid
- Aerosol or liquid



Description	Part No.	Pack
Buffing Solution	TR211	1 x 1L
Aerosol Buffer	TR212	1 x 400ml

- Schrader buffing solutions



Description	Part No.	Pack
Schrader Buffing Solution	TR66215	1 x 945ml
Schrader Aerosol Buffer	TR66217	1 x 438ml

## VULCANIZING SOLUTIONS

- Fast drying vulcanizing cement
- Chemical or heat vulcanization
- TR202 (blue) contains more rubber solids than TR201 for a stronger bond
- Includes top brush



Description	Part No.	Pack
Vulcanizing Solution	TR201	1 x 235ml
Vulcanizing Solution (BLUE)	TR202	1 x 235ml

- Schrader JADE vulcanizing solution
- Suitable for patches & inserts
- Includes top brush



Description	Part No.	Pack
JADE Vulcanizing Solution	TR66312	1 x 235ml

- Schrader SAPHIR vulcanizing solution
- Suitable for PRP's



Description	Part No.	Pack
Schrader SAPHIR Vulcanizing Solution	TR4948	1 x 100ml

## INNER LINER SEALANT

- Formulated to reseal inner liners where cords have become visible due to over buffing
- Can also be used to seal down the edges of repair patches



Description	Part No.	Pack
Inner Liner Sealant	TRL104	1 x 473ml

- Formulated to reseal inner liners where cords have become visible due to over buffing
- Can also be used to seal down the edges of repair patches
- Top brush not included



Description	Part No.	Pack
Inner Liner Sealant	TRL103	1 x 235ml

## DUSTING CHALK

- Dusting chalk
- Applied after tyre & tube repairs
- Helps prevent tubes from sticking & pinching during repairing or changing



Description	Part No.	Pack
Dusting Chalk	TR502	400g

## TYRE MOUNTING COMPOUNDS

- Formulated to give maximum lubrication
- Economical to use



Description	Part No.	Pack
Tyre Fit Paste / Tyre Lube	TRL105	1 x 5kg

- Formulated especially for its ease of application
- Less viscous than normal tyre paste
- Ideally suited for truck & van tyres



Description	Part No.	Pack
Blue Tyre Cream	TRL107	1 x 5kg

- Universal tyre mounting / demounting product
- Excellent lubrication
- Reduces risk of tyre / wheel damage when fitting
- Fast drying product reduces spatter on wheels & bodies
- Does not leave white marks on tyre walls



Description	Part No.	Pack
Black Tyre Mounting Paste	TRL110	1 x 5kg

- Harder compound than the conventional mounting paste
- Economical to use
- Ideally suited for motorcycles, scooter and car tyres



Description	Part No.	Pack
Tyre Mounting Wax	TRL108	1 x 5kg

- Heavy duty bead lubricant
- Designed especially for large off road vehicles



Description	Part No.	Pack
Earthmover Tyre Mounting Paste	TRL109	1 x 5kg

- Specifically formulated for truck, earthmover & farm vehicle tyre mounting
- Never use on passenger car tyres



Description	Part No.	Pack
Graisse Tigre 80	TRL5084	1 x 4kg

## TYRE MOUNTING LIQUID

- For fitters that prefer to work with a liquid lubricant
- Highly concentrated for economical use



Description	Part No.	Pack
Tyre Fit Liquid	TRL115	1 x 5L

## RIM SEALER

- Suitable for steel or alloy wheels
- Designed to protect against corrosion
- Seals porous alloy wheels



Description	Part No.	Pack
Rim Sealer	TRL106	1 x 5kg

## BEAD SEALER

- Liquid rubber based product for sealing between tyre bead & rim
- Includes top brush



Description	Part No.	Pack
Bead Sealer	TRL101	1 x 1L

## BEAD SEATING RINGS

- Rubber ring for mounting problematic tyres



Description	Part No.	Pack
13" Bead Seating Ring	TRT413	1
15" Bead Seating Ring	TRT415	1
20" Bead Seating Ring	TRT422	1
25" Bead Seating Ring (Thick)	TRT423	1
25" Bead Seating Ring (Thin)	TRT423T	1
29" Bead Seating Ring	TRT424	1
33" Bead Seating Ring	TRT426	1

## TYRE MOUNT/DISMOUNT AIDS

- Tools to aid the mount & dismount of tyres

TRT420



TRT421

Description	Part No.	Pack
Tyre Mounting / Drop Centre Aid / Third Hand	TRT420	1
Tyre Dismount Head	TRT421	1

# TYRE EQUIPMENT

## PRESSURE & TREAD DEPTH GAUGES



- Convenient all-in-one pressure & tread depth gauge
- Easy view extra large readout display
- One button control - switch between pressure & tread gauge
- Pressure gauge reads - psi / bar / kPa / kg/cm2
- Accurate pressure readings from 5-99 psi / 0.35-6.80 bar
- Tread gauge reads - inch / mm
- EU calibrated colour coded tread warning:  
RED - Less than 1.6mm  
YELLOW - 1.6mm to 3.2mm  
GREEN - More than 3.2mm
- Auto off
- CR2032 battery operated (included)

Description	Part No.	Pack
Pressure & Tread Depth Gauge	TRT640	1

- Twin hold on & pen type pocket pressure gauges



AL15-S



TPG02

Description	Part No.	Pack
Twin Hold On Tyre Pressure Gauge	AL15-S	1
Push On Pocket Tyre Pressure Gauge	TPG02	1

- Easy to read large display
- Metric & imperial scales
- Reading remains until cleared
- Easy to reset zero calibration
- Suitable for tyre tread depth or brake shoe & pad wear
- Includes calibration block



Description	Part No.	Pack
Professional Tread Depth Gauge with Calibration Block	WT472	1

- Accurate measurement of tread 1-26mm in 0.01mm increments
- Quick & easy to read digital tread depth gauge
- Metric & imperial calibration



Description	Part No.	Pack
PCL Digital Tread Depth Gauge	TRT639	1

- Accurate measurement of tread 1-26mm in 1mm increments
- Department of Transport accepted for MoT testing
- VOSA approved



Description	Part No.	Pack
PCL VOSA Approved Tread Depth Gauge	TRT638S	1

- Accurate measurement of tread 1-26mm in 1mm increments



Description	Part No.	Pack
Tread Depth Gauge	TRT638	1

## TYRE BATH

- 1/2 moon tyre bath
- Heavy duty



Description	Part No.	Pack
1/2 Moon Tyre Bath	TRT994	1

## LEAK SEEK

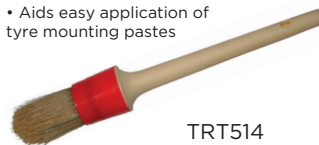
- For locating puncture position when using a tyre bath



Description	Part No.	Pack
Leak Seek Concentrate	TRL111	1 x 1L

## APPLICATOR BRUSHES

- Aids easy application of tyre mounting pastes



TRT514



TRT514W

Description	Part No.	Pack
Plastic Lubricant Paste Brush	TRT514	1
Professional Wooden Lubricant Paste Brush	TRT514W	1

- Aids easy application of tyre mounting pastes
- Angled head to help apply paste to hard to reach areas



Description	Part No.	Pack
Angled Wooden Lubricant Paste Brush	TRT514A	1

- Lid brushes compatible with 2 sizes of Schrader tyre repair products

- TRT66381 use with:  
• TR66312 bead sealer  
• TRL103 inner liner sealer

- TRT66382 use with:  
• TR66215 buffing solution



TRT66381

TRT66382

Description	Part No.	Pack
Lid Brush For 235ml Schrader Tins	TRT66381	1
Lid Brush For 945ml Schrader Tins	TRT66382	1

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# TYRE PRESSURE MONITORING

Tyre Pressure Monitoring Systems (TPMS) are now an integral component of modern vehicles. One of the main features of “direct” TPMS is that, in most cases, battery powered sensors are attached to each tyre valve. Unfortunately these sensors & valve assemblies can fail for a number of reasons including corrosion, accidental breakage & eventually the loss of battery power.

*This technology is now also checked during the MOT testing process for cars registered after 1st January 2012. These vehicles will fail the MOT should the TPMS system not be working correctly, so regular inspection & maintenance is recommended.*

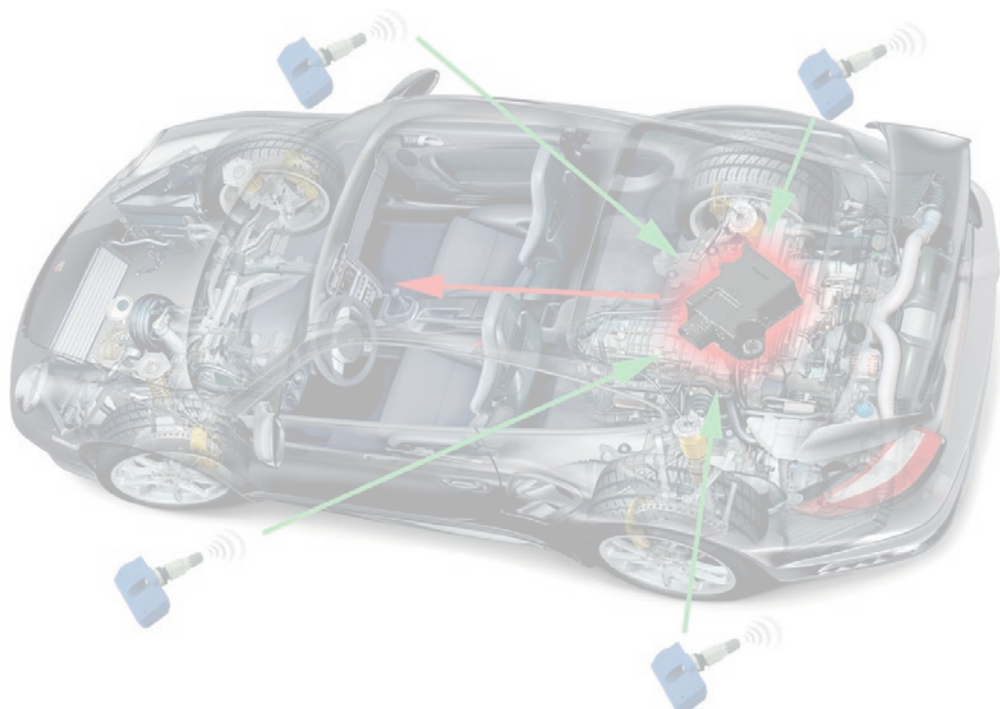
There are over 100 different tyre pressure sensors equipped to European vehicles and therefore it is near impossible for any tyre retailer to be able to replace original equipment sensors quickly and efficiently from stock. We introduced our i-Sensor® solution to greatly reduce stock investment as one sensor is able to replace over 97% of the OE sensors in the market (correct as of May 2016). Additionally, by having the ability to duplicate sensors you can circumvent the programming of the vehicle’s ECU or completing time consuming, drive around processes.

Our programme consists not only of the physical parts needed to properly maintain TPMS systems, but also the diagnostic equipment, fitting tools, training & crucially, the ongoing technical support required to help implement effective standard operating procedures & encourage positive customer engagement.

Our TPMS sales & support staff are all experts in their field with an abundance of hands on experience, racking up hundreds of hours of training seminars with many of the tyre industries’ most recognisable names. Autogem team members have been invited to speak on behalf of the UK tyre industry on several occasions & have also presented at tyre manufacturer road shows & conferences within the UK & beyond.

We very much believe that, for this relatively complicated & still fairly new product category, training is fundamental to all of our customers achieving their own success. Our training relates to all facets of the sales process, from simply helping our tyre retail partners to sell solutions to their customers through to the handling, fitting & technical understanding of the physical product itself.

Think TPMS, Think Autogem



# TPMS TOOLS & EQUIPMENT

## AUTOGEM I-SENSOR® - THE INTELLIGENT TPMS SOLUTION

### TPT15 - i-Sensor® Tool

- Unrivalled coverage allows replacement of over 97%\* of existing OE TPMS sensors
- Quickly & easily duplicates the ID's of faulty sensors for the most efficient replacement of TPMS sensors
- Check tyre pressures without physically touching the valve, wireless, contactless scan also gives accurate diagnosis of TPMS sensors
- Robust design for use in workshops & on vans
- Instant availability, simply keep a small number of i-Sensor® blanks in stock & create sensors as required
- Save & extract data to PC via USB
- Long life battery minimises downtime
- Charges via mains
- Easy to perform, regular updates (33 updates in 38 months - May 2016)
- Makes TPMS an accessible & profitable part of any tyre business

i-Sensor® Tool kit includes

- i-Sensor® Tool
- Instruction manual
- CD with software
- 1 year software updates
- 1 year warranty

\* data correct as of May 2016

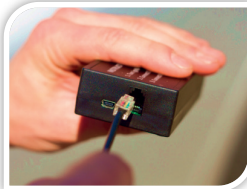
407-407 SW	NEW SENSOR
CEA3CE8 33.50PSI	AUTO DUPLICATE
68°F 433MHz BAT:OK	MANUAL DUPLICATE
(Esc):BACK (⇐):TEST	PROGRAM BLANK SENSOR

Test Performed On: 2015/02/24 17:06:45  
 Vehicle Make: HYUNDAI  
 Vehicle Model: I40  
 Vehicle Year: 2014-15  
 TPM Type: 433MHz

Position	ID	Hexadecimal	ID Decima	Pressure PSI	Pressure Kpa	Pressure Bar	Temperature C	Temperature F	Battery State
LF (1)	040A77E6	67794918	33.20	228	2.2891	7	44	OK	
RF (2)	040AA73D	67807037	33.80	233	2.3305	7	44	OK	
RR (3)	040A9505	67802373	33.60	231	2.3167	6	42	OK	
LR (4)	040A6256	67789398	33.00	227	2.2754	6	42	OK	
SP (5)									

### TPT15OBD - i-Sensor® OBD Module

- Adds OBDII read & write functionality to the existing i-Sensor® platform
- Allows ECU relearns in circumstances that require it - check vehicle coverage
- Regular updates via USB within existing i-Sensor® update software



### i-Sensor® Blank Sensors

- Universal tyre pressure sensors compatible with both the i-Sensor® & Tech500 electronic devices
- Used to replace faulty or defective OE sensors or to create additional sensor sets for a vehicle
- Minimise stock holding, with only 1 sensor required to replace over 98%\* of OE sensors
- Choose from Clamp-in, Snap-in or use a combination of both for UK & European applications
- No sensor obsolescence, with all new sensor protocol updates via the compatible electronic devices
- Long life batteries (up to 10 years dependent on use)
- Tried & tested in over 2,000\* retail outlets throughout the UK

\* data correct as of May 2016



TPS01



TPS02



TPS03

### SENSOR COMPARISON TABLE

Features	TPS01	TPS02	TPS03
Operating Frequency	433Mhz	315Mhz	433Mhz
Jurisdictions			
Sensor Type	Clamp In	Clamp In	Snap In
Fitting Type	0°-30° Adjustable Angle	0°-30° Adjustable Angle	Fixed Angle
Fixing Screw Type	TX20	TX20	TX10
Torque Settings	Nut - 4.0Nm Screw - 2.0Nm	Nut - 4.0Nm Screw - 2.0Nm	Screw - 1.40Nm
Replaceable Valve Stem	YES - 3 Types	YES - 3 Types	YES - 1 Type
Coverage (correct as of May 2016)	EU = 98% US = 27%	US = 65%	EU = 98% US = 27%
Speed Rating	High Speed	High Speed	Max Speed 130mph / 210kph
Winter Wheel Use	YES	YES	YES - IDEAL
Track Wheel Use	YES	YES	NOT RECOMMENDED
Service Notes	Replace complete valve stem assembly at every bead break	Replace complete valve stem assembly at every bead break	Replace rubber valve & screw at every bead break

Description	Part No.	Pack
i-Sensor® Tool	TPT15	1 Kit
i-Sensor® OBD Module	TPT15OBD	1 Kit
i-Sensor® 433Mhz Clamp In Sensor (includes valve)	TPS01	1
i-Sensor® 315Mhz Clamp In Sensor (includes valve)	TPS02	1
i-Sensor® 433Mhz Snap In Sensor (includes valve)	TPS03	1
i-Sensor® Silver Clamp In Valve (for TPS01 & TPS02)	TPK01	1
i-Sensor® Black Clamp In Valve (for TPS01 & TPS02)	TPK01B	1
i-Sensor® Chrome Clamp In Valve (for TPS01 & TPS02)	TPK01C	1
i-Sensor® Rubber Snap In Valve (for TPS03)	TPK03	1

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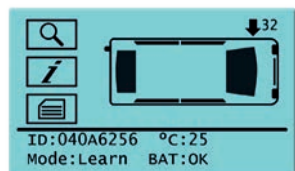
## BARTEC TECH500

### TPT30 - Tech500 Tool (+TPT31 - i-Sensor® Cradle)

- TPMS reading & programming tool
- Compatible with i-Sensor® as well as other universal & OE sensor systems
- Easy-to-use, large display & intuitive workflow
- Easy to download software updates (first year included)
- Automatic software updates when connected to a Wi-Fi network
- Robust design with rugged OBDII plug and cable for workshop use
- Allows ECU relearns in circumstances that require it - check vehicle coverage
- Specially adapted Bluetooth pairing software
- Dust, water, oil & grease resistant keypad
- High capacity long life internal battery, also charges via USB
- Decodes critical output of sensors (pressure, temperature, battery)
- SD card slot
- Wi-Fi and Bluetooth communication to PC
- Qi wireless charging with compatible optional components
- Real-time clock

The Tech500 kit includes:

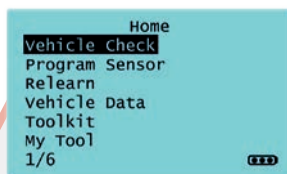
- Tech500 Tool
- Instruction manual & CD
- OBDII cable
- USB Cable
- Power charger
- Bluetooth stick
- Access to "TPMS Desktop" application
- 1 year software updates
- 1 year warranty



Description	Part No.	Pack
Tech500 Tool	TPT30	1 Kit
i-Sensor® Cradle for Tech500 Tool	TPT31	1

### TPT32 - Tech500 Wall Mount Charging Station

- Made of hard-wearing plastic
- Rubber inserts for shock absorption
- Qi wireless charging function
- Simply insert Tech500 into station & charging begins automatically
- LED on tool indicates charging
- Convenient hook for attaching OBD cable
- Convenient & safe storage



### TPT33 - Bluetooth Printer & Wall Mount Charger

- Fast, portable miniprinter
- Includes its own Qi wireless charging station with rubber enclosure for shock absorption
- Vehicle check data transferred from tool to printer via Bluetooth for instant print out
- Insert printer into station and charging begins automatically
- Portable - can be used away from charging station
- Multi-function LED printer status data



### TPT34 - Tech500 Desktop Charging Pad

- Convenient Qi charging pad for any flat surface
- Simply connect adapter and place Tech500 onto pad
- Charging begins automatically
- LED on pad indicates charging



Description	Part No.	Pack
Tech500 Wall Mount Qi Charging Station	TPT32	1 Kit
Tech500 Bluetooth Printer & Wall Mount Qi Charger	TPT33	1 Kit
Tech500 Desktop Qi Charging Pad	TPT34	1

## MECHANICAL TPMS TOOLS

### TPT14 - 12pc TPMS Hand Tool Kit v4

TPMS hand tools kit in plastic case with foam inlay includes:

- Ratcheting torque spanner - 0-10Nm
- 1/4" drive 11mm & 12mm deep sockets
- Plastic grommet removal/ fitting tool
- Pre-torqued valve core tool
- Torx® bits (T6, T10, T15, T20)
- Extended T20 Torx® bit
- 1/4" hex adapter
- 1/4" T-bar tool for component removal
- Torque calibration certificate

Everything you need to service & replace TPMS sensors



Description	Part No.	Pack
Comprehensive TPMS Hand Tools Kit - Version 4	TPT14	12pc

### TPT06 - TPMS Screwdriver Style Torque Tool

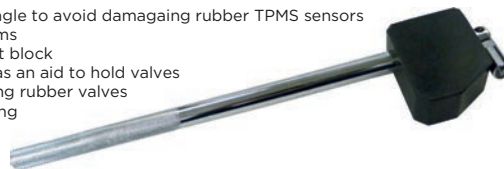
- Screwdriver style torque tool - 0-10Nm
- For fastening all locking nuts & screws on OE all types of tyre pressure sensors



Description	Part No.	Pack
TPMS Screwdriver Style Torque Tool	TPT06	1

### TPT35 - TPMS Rubber Valve Pulling Tool

- Enables correct angle to avoid damaging rubber TPMS sensors when pulling into rims
- Double sided pivot block
- Can also be used as an aid to hold valves firmly when attaching rubber valves to sensors & fastening screws



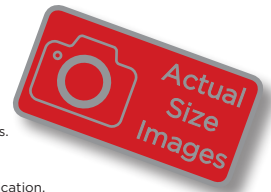
Description	Part No.	Pack
TPMS Rubber Valve Pulling Tool	TPT35	1

# TPMS REFURBISHMENT

## TPMS SERVICE KITS

- Maximise your TPMS revenues with high quality, easy to fit tyre pressure sensor service kits
- Offer new service options to your customers improving customer care whilst adding more £'s per job
- Replace the old rubber valve revenue which is no longer available on vehicles equipped with wheel mounted sensors

Replace caps, cores, seals, washers, locking nuts on a regular basis and in many cases the stems of OE tyre pressure sensors can be replaced if damaged. Sensor manufacturers recommend servicing of tyre pressure sensors should be undertaken at every bead break in order to maintain the integrity of the parts and seals. All TPMS components should be tightened to the specified torque settings as displayed on our service kit packaging and in our TPMS data tables. Always use appropriate tools when fitting and removing TPMS components - See TPT14 on page 61. All replacement parts must be identified correctly using our application data in conjunction with a physical inspection. Autogem are not responsible for incorrect application.



- TPMS Service Kit containing replacement stem parts, stem kits, service kits and components for the most common applications.
- Recommended to be used along with TPK12

Includes:

- 4 x Clamp-In Valve Kit Part Refs (4pc of each)
- 4 x Snap-In Valve Kit Part Refs (4pc of each)
- 5 x Plain Stem Part Refs (4pc of each)
- 3 x Service Kit Part Refs (4pc of each)
- 100 x TPMS Valve Caps
- 100 x TPMS Valve Cores

\* NOT ACTUAL SIZE IMAGE



- TPMS Service Kit assortment with additional popular service kits.
- Recommended to be used along with TPK11

Includes:

- 18 x Service Kit Part Refs (4pc of each)

\* NOT ACTUAL SIZE IMAGE



Description	Part No.	Qty
TPMS Service Kit Box A	TPK11	264pc

Description	Part No.	Qty
TPMS Service Kit Box B	TPK12	72pc

Our TPMS service kit assortments are subject to a regular review process & amendment as they are market driven & updated with new products as market volume & popularity changes. Please contact our TPMS tech support team for an up to date contents listing & application chart if required.

### i-Sensor® Silver

- Standard replacement stem for clamp-in i-Sensor®
- High speed
- Includes fitting screw



Part No.	Pack
TPK01	1

### i-Sensor® Black

- Black replacement stem for clamp-in i-Sensor®
- High speed
- Includes fitting screw



Part No.	Pack
TPK01B	1

### i-Sensor® Chrome

- Standard replacement stem for clamp-in i-Sensor®
- High speed
- Higher anti-corrosion properties than standard stems
- Includes fitting screw



Part No.	Pack
TPK01C	1

### Compatible with Baolong (Type 12)

- Fits Baolong sensors



Part No.	Pack
TPK10001	1

### Compatible with HUF / BERU (Type 7)

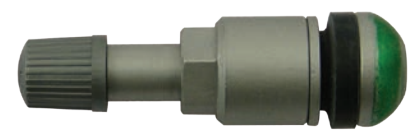
- 43mm Silver stem kit
- Fits all styles of HUF / BERU clamp in sensors
- Check part on vehicle for correct application
- Includes fitting screw



Part No.	Pack
TPK65731	1

### Compatible with HUF / BERU (Type 7)

- 48mm Green stem kit
- Fits all styles of HUF / BERU clamp in sensors
- Check part on vehicle for correct application
- Includes fitting screw



Part No.	Pack
TPK65732	1

### Compatible with HUF / BERU (Type 7)

- 49mm Black stem kit
- Fits all styles of HUF / BERU clamp in sensors
- Check part on vehicle for correct application
- Includes fitting screw



Part No.	Pack
TPK65733	1

### Compatible with HUF / BERU (Type 7)

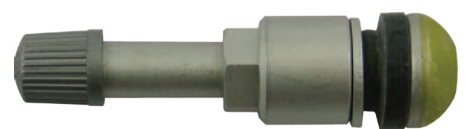
- 51mm Orange stem kit
- Fits all styles of HUF / BERU clamp in sensors
- Check part on vehicle for correct application
- Includes fitting screw



Part No.	Pack
TPK65734	1

### Compatible with Schrader (Type 14)

- 56mm Yellow stem kit
- Fits all styles of HUF / BERU clamp in sensors
- Check part on vehicle for correct application
- Includes fitting screw



Part No.	Pack
TPK66151	1

# Additional service kits should be applied to these parts dependent on the OE sensor being refurbished. Refer to our application charts or tech support for more information





# TPMS REFURBISHMENT

## Compatible with Schrader (Type 14 & 15)

- Fits Schrader Gen Delta & Gen Gamma sensors
- Requires additional service kit for complete repair\*



Part No.	Pack
TPK10006	1

## Compatible with Schrader (Type 2)

- Fits Schrader Gen Alpha sensors
- Requires additional service kit for complete repair\*



Part No.	Pack
TPK43148	1

## Compatible with Schrader (Type 3)

- Fits Schrader Gen 3/4 snap in sensors
- Includes fitting screw
- Optional clamp in replacement stem



Part No.	Pack
TPK66086	1

## Compatible with Schrader (Type 18 & 19)

- Fits Schrader Gen Faraday & EZ sensors
- Includes fitting screw
- Optional clamp in replacement stem
- Also available in packs of 10 - PN: TPK66743



Part No.	Pack
TPK66743.1	1

## Compatible with VDO (Type 5)

- Fits VDO TG1B sensors
- Includes fitting screw
- Requires additional service kit for complete repair\*



Part No.	Pack
TPK10000	1

## Compatible with VDO (Type 4)

- VDO long stem
- Fits VDO TG1C sensors
- Requires additional service kit for complete repair\*



Part No.	Pack
TPK43171	1

## Compatible with VDO (Type 4)

- VDO short stem
- Fits VDO TG1C sensors
- Requires additional service kit for complete repair\*



Part No.	Pack
TPK43211	1

## Compatible with VDO (Type 6)

- Fits VDO Mercedes sensors
- Includes fitting screw
- Passenger car & SUV applications



Part No.	Pack
TPK65661	1

## Compatible with VDO (Type 6)

- Fits VDO Mercedes sensors
- Includes fitting screw
- Light commercial applications



Part No.	Pack
TPK65958	1

## i-Sensor® Snap In

- Standard replacement stem for snap-in i-Sensor®
- Includes fitting screw



Part No.	Pack
TPK03	1

## Compatible with Lear (Type 17)

- Fits Lear snap in sensors
- Includes fitting nut



Part No.	Pack
TPK20003	1

## Compatible with Schrader (Type 3)

- Fits Schrader Gen 3/4 snap in sensors
- Includes fitting screw
- Also available in packs of 10 - PN: TPK510X & packs of 100 - PN: TPK510C



Part No.	Pack
TPK510	1

## Compatible with Schrader (Type 18 & 19)

- Fits Schrader Gen Faraday & EZ sensors
- Includes fitting screw
- Also available in packs of 10 - PN: TPK66742



Part No.	Pack
TPK66742.1	1

## Compatible with TRW (Type 20)

- Fits TRW snap in sensors



Part No.	Pack
TPK10005	1

## Compatible with VDO (Type 16)

- Fits VDO TG1D sensors
- Push in sensor fitting



Part No.	Pack
TPK20005	1

\* Additional service kits should be applied to these parts dependent on the OE sensor being refurbished. Refer to our application charts or tech support for more information

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# TPMS REFURBISHMENT

## Compatible with Pacific (Type 9)

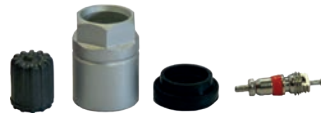
- Fits Pacific sensors



Part No.	Pack
TPK20001	1

## Compatible with Schrader (Type 15)

- Fits Schrader Gen Gamma sensors



Part No.	Pack
TPK20006	1

## Compatible with Schrader (Type 1)

- Fits Schrader Gen 2/3 sensors
- Also available in packs of 10 - PN: TPK65654



Part No.	Pack
TPK65654.1	1

## Compatible with Schrader (Type 1)

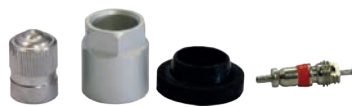
- Fits Schrader Gen 2/3 sensors
- Also available in packs of 10 - PN: TPK65655



Part No.	Pack
TPK65655.1	1

## Compatible with Schrader (Type 1)

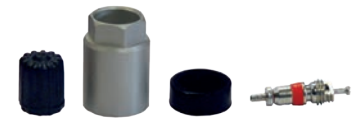
- Fits Schrader Gen 2/3 sensors
- Also available in packs of 10 - PN: TPK65656



Part No.	Pack
TPK65656.1	1

## Compatible with Schrader (Type 1)

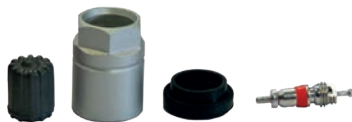
- Fits Schrader Gen 2/3 sensors
- Also available in packs of 10 - PN: TPK65657



Part No.	Pack
TPK65657.1	1

## Compatible with Schrader (Type 1)

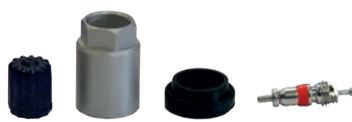
- Fits Schrader Gen 2/3 sensors
- Also available in packs of 10 - PN: TPK65961



Part No.	Pack
TPK65961.1	1

## Compatible with Schrader (Type 2)

- Fits Schrader Gen Alpha sensors
- Also available in packs of 10 - PN: TPK65962



Part No.	Pack
TPK65962.1	1

## Compatible with Schrader (Type 2)

- Fits Schrader Gen Alpha sensors
- Also available in packs of 10 - PN: TPK65964



Part No.	Pack
TPK65964.1	1

## Compatible with Schrader (Type 3)

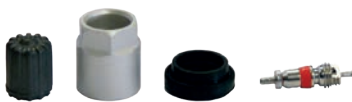
- Fits clamp-in stems designed for Schrader Gen 4 snap-in sensors
- Also available in packs of 10 - PN: TPK66087



Part No.	Pack
TPK66087.1	1

## Compatible with Schrader (Type 2)

- Fits Schrader Gen Alpha sensors
- Also available in packs of 10 - PN: TPK66138



Part No.	Pack
TPK66138.1	1

## Compatible with Schrader (Type 2)

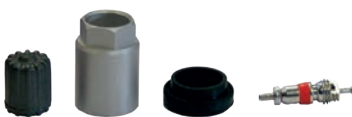
- Fits Schrader Gen Alpha sensors
- Also available in packs of 10 - PN: TPK66699



Part No.	Pack
TPK66699.1	1

## Compatible with Schrader (Type 8)

- Fits Schrader Gen J sensors
- Also available in packs of 10 - PN: TPK66700



Part No.	Pack
TPK66700.1	1

## Compatible with Schrader (Type 19)

- Fits clamp-in stems designed for Schrader Gen Faraday & EZ-Sensor snap-in sensors
- Also available in packs of 10 - PN: TPK66744



Part No.	Pack
TPK66744.1	1

## Compatible with TRW (Type 13)

- Fits TRW fixed angle clamp-in sensors



Part No.	Pack
TPK20002	1

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# TPMS REFURBISHMENT

## Compatible with VDO (Type 5)

- Fits VDO TG1B sensors
- Also available in packs of 10 - PN: TPK65658



Part No.	Pack
TPK65658.1	1

## Compatible with VDO (Type 5)

- Fits VDO TG1B sensors
- Also available in packs of 10 - PN: TPK65659



Part No.	Pack
TPK65659.1	1

## Compatible with VDO (Type 5)

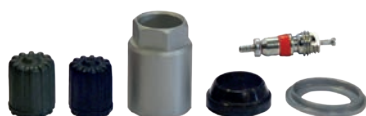
- Fits VDO TG1B sensors
- Also available in packs of 10 - PN: TPK65660



Part No.	Pack
TPK65660.1	1

## Compatible with VDO (Type 5)

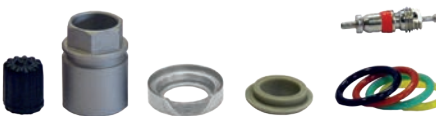
- Fits VDO TG1B sensors



Part No.	Pack
TPK65768	1

## Compatible with VDO (Type 4)

- Fits VDO TG1C sensors



Part No.	Pack
TPK65963	1

## Compatible with VDO (Type 4)

- Fits VDO TG1C sensors



Part No.	Pack
TPK66070	1

## Compatible with VDO (Type 4)

- Fits VDO TG1C sensors



Part No.	Pack
TPK66071	1

## Compatible with VDO (Type 4)

- Fits VDO TG1C sensors



Part No.	Pack
TPK66072	1

*All TPMS replacement stems, stem kits & service kits are application driven parts that contain torque critical components. Please make use of our downloadable application charts, our online TPMS assistant or our tech support team should you be unsure which product to use.*

**Online TPMS Assistant:**  
[shop.autogem.co.uk/tpms](http://shop.autogem.co.uk/tpms)

**TPMS Technical Support Team:**  
**0208 838 0910 option 4**

## VALVE CORES

- Standard bore valve core
- Nickel plated
- Suitable for all standard bore valve types, including TPMS valves



## VALVE SEALING CAPS

- TPMS plastic valve cap
- Includes integrated rubber o-ring for additional sealing against contaminants



Description	Part No.	Pack
Standard Bore Valve Core - Nickel Plated (TPMS)	TPK401N	100

Description	Part No.	Pack
TPMS Plastic Valve Cap	TPK403	100

## TEMPORARY TPMS VALVE REPAIR KIT

- Emergency metal valve repair kit
- A quick & simple, temporary solution to a common problem affecting many aluminium tyre valves
- Allows the driver to continue to a vehicle workshop where a permanent fix can be applied

### **Metal valves can often break / shear:**

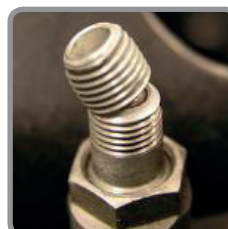
- When incompatible components such as brass valve cores or aftermarket valve caps have been used resulting in galvanic corrosion
- When environmental corrosion / weathering occurs
- At air inflation units where excess force may accidentally be applied when using rigid inflation gauges
- During accidents / collisions involving the wheels

• Metal TPMS type valves should be serviced at regular intervals, at every bead break is recommended, this inspection can help to identify & rectify issues before they become a roadside emergency.

- Remove the original locking nut from the valve stem
- Hacksaw the broken section of the original valve stem from above the locking nut threads
- Attach the repair piece to the remaining threaded section of the valve stem, fastening until a seal is made

These repair kits do not include valve core inserts or sealing caps - please use TPK401N & TPK403 above

Description	Part No.	Pack
Temporary TPMS Valve Repair Kit	TPRK01	4pc



# AFTERMARKET TPMS KITS

Our market leading aftermarket tyre pressure monitoring kits offer drivers of all cars a clear & concise view of the tyre pressures & temperatures across all wheels of their vehicle. We have kits that are compatible with 4 wheel applications as well as our newest kit which allows for monitoring of 6 wheel applications or 4 wheeled vehicles plus 2 wheeled trailers & caravans.

All of the kits that we supply contain battery powered, wheel mounted sensors, utilising much of the same technology that is found in our market leading i-Sensor® products. This ensures that the driver is receiving accurate data from inside the tyres from sensors that are fully serviceable & are tested to last as long as, if not longer than the OE counterparts.

Our kits clearly display the critical information being transmitted by the wheel mounted sensors, whilst giving visual & audible warnings in case of abnormal status via stand alone LED display units or even via Bluetooth® to compatible smart phones.

Aftermarket kits are ideal for use on vehicles that were not originally equipped with TPMS or even for those that were equipped with the indirect version of tyre pressure warning system, that does not indicate real time, accurate pressures to the driver. The clamp in sensor type is also high speed rated to allow for universal use on almost any type of vehicle.

## 4 WHEEL BLUETOOTH® LOW ENERGY RETROFIT TPMS KIT

Ideal for all 4 wheeled vehicles including cars, vans & motorhomes

- 4 x Bluetooth® Low Energy (BLE) clamp-in wheel mounted sensors
- Compatible App available via iOS & Android application stores
- App displays on compatible iOS (8.0.2 or later / iPhone 4S+) & Android devices (4.3 or later)

Allows for front & rear axles to be set & monitored at different pressures, with thresholds for monitoring pressure temperature entered manually within the app

Driving Mode indicates:

- Tyre pressures in psi, kPa or Bar
- Tyre temperatures in °C or °F
- Warns of low & high tyre pressures
- Warns of rapid tyre deflation
- Warns of high air temperature within tyres
- Warns of low battery within each sensor

Exchange Mode:

- Allows sensors to be drag n dropped within the app in the event of wheel rotation



Description	Part No.	Qty
4 Wheel BLE Retrofit TPMS Kit	TPAK02	1 Kit

## 4 WHEEL 433MHZ RETROFIT TPMS KIT

Ideal for all 4 wheeled vehicles including cars, vans & motorhomes

- 4 x 433Mhz clamp-in wheel mounted sensors
- Cable free, AA battery (x2) powered LED display unit

LED Display indicates:

- Tyre pressures in psi, kPa or Bar
- Tyre temperatures in °C or °F
- Warns of low & high tyre pressures
- Warns of rapid tyre deflation
- Warns of high air temperature within tyres
- Warns of low battery within each sensor
- Allows sensors to be relocated in the event of wheel rotation



Description	Part No.	Qty
4 Wheel 433Mhz Retrofit TPMS Kit	TPAK01	1 Kit

## 6 WHEEL 433MHZ RETROFIT TPMS KIT

Ideal for car & caravan, car & trailer or even motorhomes

- 6 x 433Mhz clamp-in wheel mounted sensors
- Multi colour, rechargeable LED display unit
- Suction cup display unit cradle for windscreen mounting
- Mini-USB to 12v input to allow in-car charging of display unit

LED Display indicates:

- Tyre pressures in psi, kPa or Bar
- Tyre temperatures in °C or °F
- Warns of low & high tyre pressures
- Warns of rapid tyre deflation
- Warns of high air temperature within tyres
- Warns of low battery within each sensor
- Warns of low power of car battery
- Allows sensors to be relocated in the event of wheel rotation



Description	Part No.	Qty
6 Wheel 433Mhz Retrofit TPMS Kit	TPAK03	1 Kit



# OUR TPMS PROGRAMME

The Think TPMS, Think Autogem programme has evolved significantly from its inception in 2006 to where we are today. It now consists of a number of key elements that when combined allow us to offer the most comprehensive TPMS programme, specifically targeted towards the UK automotive & tyre industry.

market leading products

renowned TPMS training services

unrivalled technical support

continuous programme support

comprehensive, exclusive, product range  
easy to use, labour saving equipment  
encompassing the latest technologies



business assessments & tailored roll out plans  
convenient web based training portal available 24/7  
off-site & on-site training seminars  
technical, practical & sales based training modules



dedicated TPMS technical support team  
online "TPMS Assistant" with MMY lookup & FAQ's  
convenient online live chat facility  
remote control app for support direct to your desktop

**How do I update my tool?**

- Install the update software provided on the cdrom supplied with your i-sensor tool.
- Please click [here](#) to go to our update page.
- Register your device using the form requesting serial number, email address and the postcode.
- Once registered and subscription verified you will be able to download your software updates and latest application charts directly from the update page.

regular business review processes  
tpms•fit post training programme  
regular protocol & software updates  
continuous product development  
regional, national & international TPMS seminars  
public speaking at major industry events

**TPMS tip 101**

**UPCOMING WEBINAR**

Continuing Session on Friday 28th April 5.00pm.

We are delighted to announce our next live webinar will be on Friday 28th April 5.00pm.

We will be covering some of our latest tips to help you get better on road updates you will be looking forward to.

If the webinar has been also included a special TPMS guest from the UK.

**i-sensor**

What new vehicles are included in the update?

Year	Make	Model	Year	Make	Model
2014	BMW	1 Series	2014	BMW	1 Series
2014	BMW	2 Series	2014	BMW	2 Series
2014	BMW	3 Series	2014	BMW	3 Series
2014	BMW	4 Series	2014	BMW	4 Series
2014	BMW	5 Series	2014	BMW	5 Series
2014	BMW	6 Series	2014	BMW	6 Series
2014	BMW	7 Series	2014	BMW	7 Series
2014	BMW	X1	2014	BMW	X1
2014	BMW	X2	2014	BMW	X2
2014	BMW	X3	2014	BMW	X3
2014	BMW	X4	2014	BMW	X4
2014	BMW	X5	2014	BMW	X5
2014	BMW	X6	2014	BMW	X6
2014	BMW	X7	2014	BMW	X7
2014	BMW	Z4	2014	BMW	Z4



**Online TPMS Assistant:**  
[shop.autogem.co.uk/tpms](http://shop.autogem.co.uk/tpms)

**TPMS Technical Support:**  
**0208 838 0910 option 4**

**tpms•fit**   
programme

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# TPMS STORAGE

## TPMS STORAGE CABINET

Keep your TPMS equipment, sensors & service kit components well organised & safe with this lockable cabinet

Includes:

- Set of keys
- Resource hanging ring
- Magnetic stock tabs for personalised labelling of sections

Dimensions:

- 724mm (h)
- 559mm (w)
- 292mm (d)



Description	Part No.	Qty
TPMS Storage Cabinet	ATB22	1 Kit

Preparing the hanging ring:



Locate the hanging chain inside the delivery package & remove the locking ring from the chain



Feed the chain through the hole located near the top of one of the sides, from the inside of the cabinet



The hanger at the end of the chain will lock & hold the chain in place



Replace the locking ring to the end of the chain, attaching printed materials or application charts for easy access

## DOUBLE LOCKER TOOL CABINET

- Use as an individual storage unit
- Featuring two large doors, two full shelves & base storage
- Added security provided by cylinder lock
- Supplied with two keys
- All steel construction
- Stabilized by an inner cross member
- Supplied flat packed to save freight cost
- Simple assembly required
- 1060(h) x 916(w) x 458(d) - mm



Description	Part No.	Pack
Double Locker Tool Cabinet	WT468	1

**Bulbs**  
**Exhaust Fittings**  
**Locking Wheel Bolts / Nuts**  
**Sump Plugs**  
**Sump Washers**  
**Trim & Body Fixings**  
**Wiper Blades**



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# AUTO BULBS

## HALOGEN HEADLIGHT BULBS

448 - P14.5s

H1 12V 55W



Part No.	Pack
NE448	1 (Boxed)

453 - PK22s

H3 12V 55W



Part No.	Pack
NE453	1 (Boxed)

472 - P43t

H4 12V 60/55W



Part No.	Pack
NE472	1 (Boxed)

477 / 499 - PX26d

H7 12V 55W



Part No.	Pack
NE499	1 (Boxed)

## SIGNAL & INTERIOR BULBS

207 - R5W

12V 5W BA15s



Part No.	Pack
NE207	10 (Boxed)

233 - T4W

12V 4W BA9s



Part No.	Pack
NE233	10 (Boxed)

239 - C5W

12V 5W SV8.5-8



Part No.	Pack
NE239	10 (Boxed)

245 - R10W

12V 10W BA15s



Part No.	Pack
NE245	10 (Boxed)

286 - T5

12V 1.2W W2x4.6d



Part No.	Pack
NE286	10 (Boxed)

343 - P21W

12V 21W BAU15s



Part No.	Pack
NE343	10 (Boxed)

380 - P21/5W

12V 21/5W BAY15d



Part No.	Pack
NE380	10 (Boxed)

382 - P21W

12V 21W BA15s



Part No.	Pack
NE382	10 (Boxed)

501 - W5W

12V 5W W2.1x9.5d



Part No.	Pack
NE501	10 (Boxed)

501A - WY5W

12V 5W W2.1x9.5d



Part No.	Pack
NE501A	10 (Boxed)

566 - P21/4W

12V 21/4W BAZ15d



Part No.	Pack
NE566	10 (Boxed)

581 - PY21W

12V 21W BAU15s



Part No.	Pack
NE581	10 (Boxed)

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## 12V BULB STARTER KIT & DISPLAY STAND



Part No.	Type	Qty
NE448	H1 - P14.5s	10
NE453	H3 - PK22s	10
NE472	H4 - P43t	5
NE499	H7 - PX26d	7

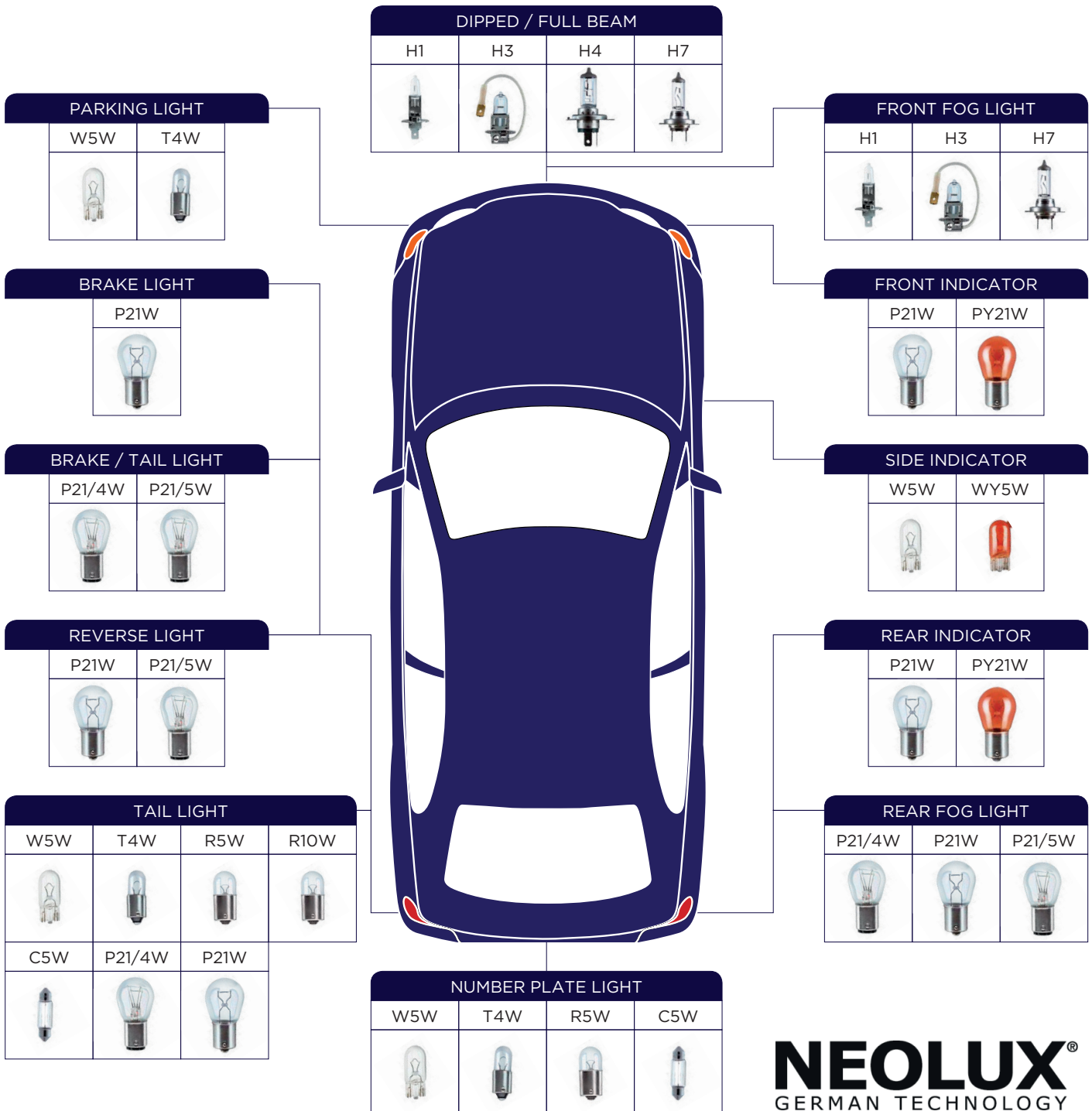
NEOLUX Display Stand

- 132 individually boxed bulbs
- 14 most popular 12v bulb types
- Halogen headlight & auxiliary bulbs
- Fully ECE approved
- German Technology

Part No.	Type	Qty
NE207	R5W - BA15s	10
NE233	T4W - BA9s	10
NE239	C5W - SV8.5-8	10
NE245	R10W - BA15s	10
NE286	T5 - W2x4.6d	10
NE380	P21/5W - BAY15d	10
NE382	P21W - BA15s	10
NE501	W5W - W2.1x9.5d	10
NE501A	WY5W - W2.1x9.5d	10
NE581	PY21W - BAU15s	10

Part No.	Type	Qty
NE510087	12V Display Stand	132 Bulbs

## VEHICLE OVERVIEW - 12V CAR BULBS



**NEOLUX**<sup>®</sup>  
GERMAN TECHNOLOGY

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# EXHAUST FITTINGS

## UNIVERSAL M8 CLAMPS / 'U' BOLTS

- The UK's highest quality, ribbed M8 threaded 'U' bolts for extra strength
- Counter, floor or wall mountable display stand complete with 100 popular clamps in 10 different sizes
- Many other sizes & types of clamps available, including M10 & clamps with copper nuts



Stand Includes:  
 38mm x 10  
 42mm x 10  
 45mm x 10  
 48mm x 10  
 50mm x 10  
 52mm x 10  
 54mm x 10  
 58mm x 10  
 60mm x 10  
 65mm x 10

Description	Part No.	Qty
Exhaust Clamp Stand	ECD01	100 Clamps

Size	Part No.	Pack	Part No.	Pack	Part No.	Pack	Part No.	Pack
28.0mm	EC28U	1	EC28	10	ECL28	50		
32.0mm	EC32U	1	EC32	10	ECL32	50		
36.0mm	EC36U	1	EC36	10	ECL36	50		
38.0mm	EC38U	1	EC38	10	ECL38	50		
40.0mm	EC40U	1	EC40	10	ECL40	50		
42.0mm	EC42U	1	EC42	10	ECL42.50	50	ECL42	100
43.0mm	EC43U	1	EC43	10	ECL43	50		
45.0mm	EC45U	1	EC45	10	ECL45.50	50	ECL45	100
48.0mm	EC48U	1	EC48	10	ECL48.50	50	ECL48	100
50.0mm	EC50U	1	EC50	10	ECL50.50	50	ECL50	100
52.0mm	EC52U	1	EC52	10	ECL52	50		
54.0mm	EC54U	1	EC54	10	ECL54	50		
58.0mm	EC58U	1	EC58	10	ECL58	50		
60.0mm	EC60U	1	EC60	10	ECL60	50		
65.0mm	EC65U	1	EC65	10	ECL65	50		
67.0mm	EC67U	1	EC67	10	ECL67	50		
70.0mm	EC70U	1	EC70	10	ECL70	50		
73.0mm	EC73U	1	EC73	10	ECL73	50		
75.0mm	EC75U	1	EC75	10	ECL75	50		
80.0mm	EC80U	1	EC80	10	ECL80	50		
83.0mm	EC83U	1	EC83	10	ECL83	50		
92.0mm	EC92U	1	EC92	10	ECL92	50		
95.0mm	EC95U	1	EC95	10	ECL95	50		
102.0mm	EC102U	1	EC102	10	ECL102	50		
108.0mm	EC108U	1	EC108	10	ECL108	50		
114.0mm	ECL114	1	EC114	10	ECL114.50	50		
115.0mm	EC115U	1	EC115	10	ECL115	50		
120.0mm	ECL120	1	EC120	10	ECL120.50	50		
127.0mm	ECL127	1	EC127	10	ECL127.50	50		
135.0mm	EC135U	1	EC135	10	ECL135	50		

# EXHAUST FITTINGS

## PIPE CONNECTORS

- Universal twin clamp pipe connectors



ID	OD	Length	Part No.	Pack
38mm	42mm	95mm	EPC3995	1
41mm	44mm	95mm	EPC4195	1
43mm	46mm	95mm	EPC4395	1
43mm	46mm	125mm	EPC43125	1
45mm	49mm	80mm	EPC4580	1
45mm	50mm	90mm	EPC4590	1
45mm	49mm	120mm	EPC45120	1
46mm	50mm	95mm	EPC4695	1
49mm	52mm	95mm	EPC4995	1
50mm	54mm	80mm	EPC5080	1
50mm	54mm	95mm	EPC5095	1
50mm	54mm	125mm	EPC50125	1
53mm	56mm	95mm	EPC5395	1
55mm	59mm	80mm	EPC5580	1
55mm	60mm	95mm	EPC5595	1
55mm	60mm	120mm	EPC55120	1
56mm	60mm	95mm	EPC5695	1
56mm	60mm	125mm	EPC56125	1
57mm	60mm	95mm	EPC5795	1
58mm	62mm	80mm	EPC5880	1
60mm	64mm	80mm	EPC6080	1
61mm	64mm	95mm	EPC6195	1
61mm	64mm	125mm	EPC61125	1

## FLEXIBLE CONNECTORS - NO ENDPIPES

- Universal ILOK & inner braided flexes
- Without end pipes
- Many other sizes & types available



- Also available with:
- End pipes on one end
  - End pipes on both ends
  - Stepped end pipes

## ILOK

ID	Total Length	Part No.	Pack
45mm	94mm	FPIL9445	1
45mm	100mm	FPIL10045	1
45mm	200mm	FPIL20045	1
50mm	100mm	FPIL10050	1
50mm	150mm	FPIL15050	1
50mm	200mm	FPIL20050	1
55mm	100mm	FPIL10055	1
55mm	105mm	FPIL10555	1
55mm	120mm	FPIL12055	1
60mm	115mm	FPIL11560	1
64mm	100mm	FPIL10064	1

## INNER BRAIDED

ID	Total Length	Part No.	Pack
40mm	100mm	FPIB10040	1
45mm	100mm	FPIB10045	1
45mm	120mm	FPIB12045	1
45mm	150mm	FPIB15045	1
45mm	200mm	FPIB20045	1
45mm	230mm	FPIB23045	1
45mm	260mm	FPIB26045	1
45mm	280mm	FPIB28045	1
50mm	100mm	FPIB10050	1
50mm	120mm	FPIB12050	1
50mm	150mm	FPIB15050	1
50mm	200mm	FPIB20050	1
50mm	230mm	FPIB23050	1
50mm	250mm	FPIB25050	1
50mm	280mm	FPIB28050	1
55mm	100mm	FPIB10055	1
55mm	150mm	FPIB15055	1
55mm	200mm	FPIB20055	1
55mm	230mm	FPIB23055	1
55mm	250mm	FPIB25055	1
60mm	100mm	FPIB10060	1
60mm	150mm	FPIB15060	1
60mm	200mm	FPIB20060	1
60mm	250mm	FPIB25060	1



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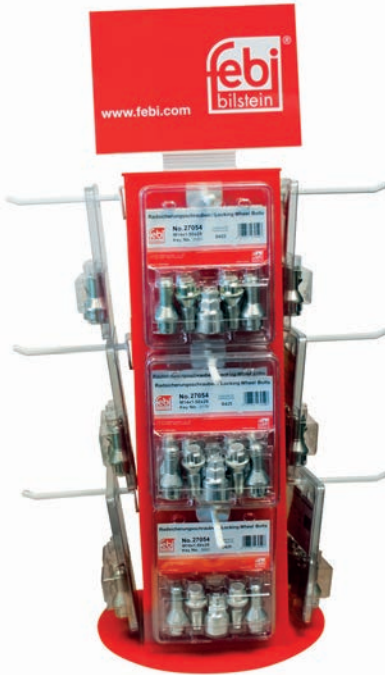
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# LOCKING WHEEL BOLTS / NUTS

## LOCKING WHEEL BOLT / NUT DISPLAY STAND



- Febi Bilstein wheel bolts call for the highest standards in safety, performance & durability.
- Display stand with 11 part references gives over 99% market coverage
- Each stand comes complete with a detailed application guide
- OE quality parts with a chromed finish
- Keys compatible with 17mm & 19mm socket
- State of the art German manufacturing expertise
- Always follow vehicle manufacturer tightening torque specifications



Description	Part No.	Pack
Febi Locking Wheel Bolt / Nut Stand & Stock	FEB000020M	26 Sets

Thread Size	Thread Pitch	Thread Length	Collar	Part No.	Qty
M12	1.50	23mm	Conical 60°	FEB27047	3 Sets
M12	1.50	25mm	Spherical	FEB27048	2 Sets
M12	1.50	26mm	Conical 60°	FEB27049	2 Sets
M12	1.25	23mm	Conical 60°	FEB27051	2 Sets
M12	1.25	30mm	Conical 60°	FEB27052	2 Sets
M12	1.25	34mm	Flat	FEB27053	3 Sets
M14	1.50	25mm	Conical 60°	FEB27054	2 Sets
M14	1.50	29mm	Conical 60°	FEB27055	2 Sets
M14	1.50	29mm	Spherical	FEB27056	3 Sets
M12	1.50		Conical 60°	FEB27057	3 Sets
M12	1.25		Conical 60°	FEB27058	2 Sets

## LOCKING WHEEL BOLT / NUT KITS



Description	Part No.
M12 x 1.50 (23mm)	FEB27047



Description	Part No.
M12 x 1.50 (25mm)	FEB27048



Description	Part No.
M12 x 1.50 (30mm)	FEB27049



Description	Part No.
M12 x 1.25 (23mm)	FEB27051



Description	Part No.
M12 x 1.25 (30mm)	FEB27052



Description	Part No.
M12 x 1.25 (34mm)	FEB27053



Description	Part No.
M14 x 1.50 (25mm)	FEB27054



Description	Part No.
M14 x 1.50 (29mm)	FEB27055



Description	Part No.
M14 x 1.50 (29mm)	FEB27056



Description	Part No.
M12 x 1.50	FEB27057



Description	Part No.
M12 x 1.25	FEB27058



Description	Part No.
M12 x 1.50 (38mm)	FEB28452



## SUMP PLUGS



Key	Application	Part No.	Qty
1	Ford Escort, Fiesta MK3, Mondeo, Orion & Sierra	SUP01	1
2	GM & VW (Exc Beetle)	SUP02	1
3	Ford & Mazda	SUP04	1
4	Renault	SUP05	1
5	BMW 3 Series (E30), 5 Series (E12 & E34)	SUP06	1
6	Peugeot 306, 405, 406	SUP07	1
7	Vauxhall Cavalier, Corsa & Vectra	SUP08	1

Key	Application	Part No.	Qty
8	Alfa Romeo, Fiat & Peugeot	SUP09	1
9	VW Golf MK3	SUP10	1
10	BMW Mini One, Daihatsu, Lexus, Nissan & Toyota	SUP11	1
11	Ford Zetec - Fiesta MK4, Focus, Ka, Mondeo	SUP12	1
12	Opel, Saab & Suzuki	SUP13	1
13	Porsche, Seat, Skoda & VW	SUP15	1
14	Fiat, Lada, Lancia	SUP16	1

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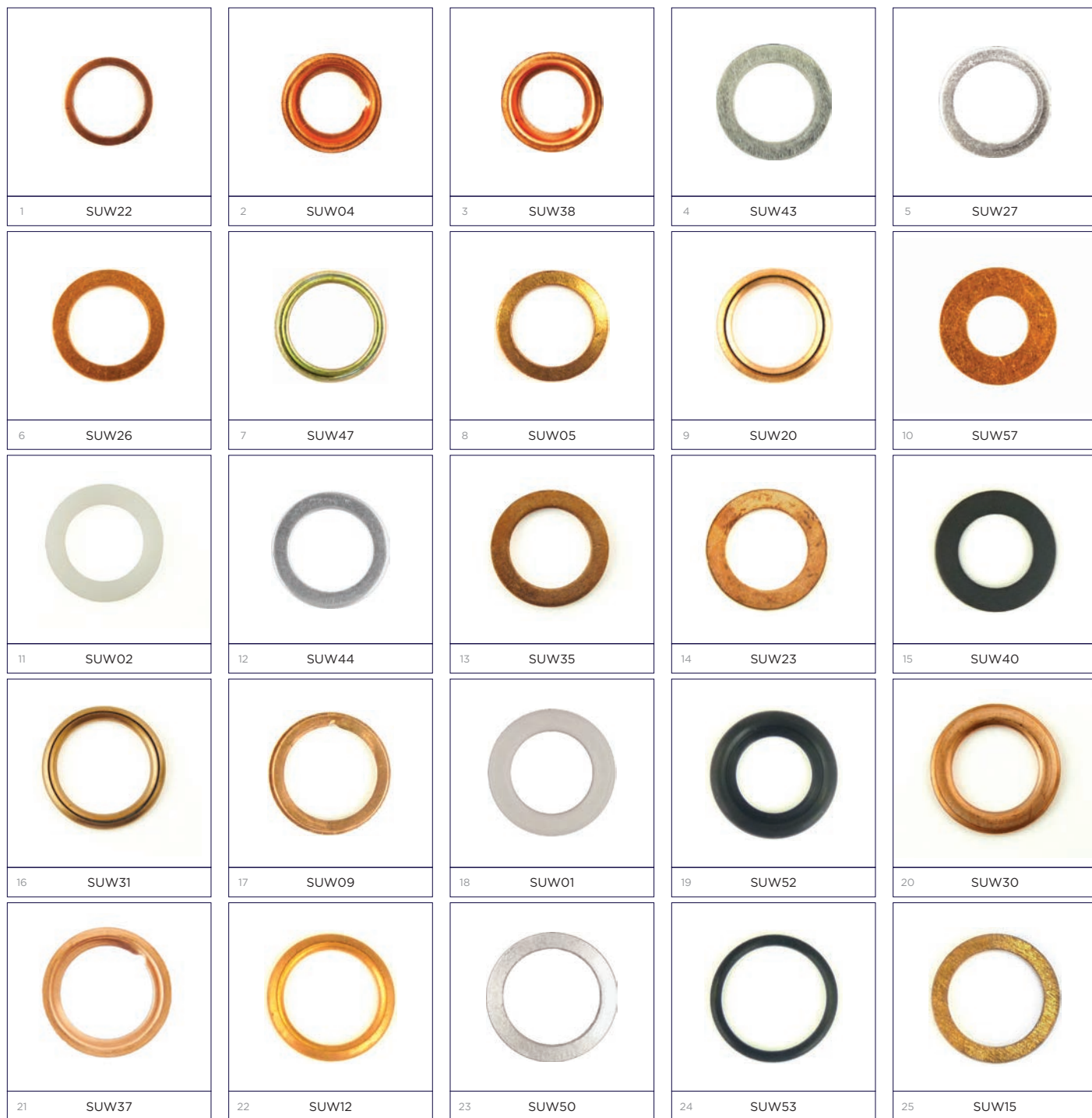
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# SUMP PLUG WASHERS

Actual Size Images

## SUMP WASHERS



Key	Size (OD/ID)	Material	Application	Part No.	Qty
1	15.0mm / 12.5mm	Copper	BMW 5 Series	SUW22	25
2	17.0mm / 12.0mm	Collapsible Copper	Morris Marina	SUW04	50
3	17.5mm / 11.0mm	Folded Copper	Nissan Petrol	SUW38	25
4	19.0mm / 12.0mm	Aluminium	Daihatsu F300	SUW43	25
5	19.0mm / 13.5mm	Aluminium	Rover 200/400	SUW27	50
6	19.0mm / 13.5mm	Copper	Rover 200/400	SUW26	25
7	19.0mm / 14.0mm	Folded Steel	Proton / Mitsu	SUW47	25
8	19.5mm / 14.0mm	Copper	GM / VW	SUW05	50
9	19.5mm / 14.5mm	Collapsible Copper	VW Beetle	SUW20	25
10	20.0mm / 10.0mm	Copper	Peugeot	SUW57	25
11	20.0mm / 13.0mm	Nylon	Ford OHV	SUW02	50
12	20.0mm / 14.0mm	Aluminium	Mazda / Suzuki	SUW44	25
13	20.0mm / 14.5mm	Copper	Saab	SUW35	35

Key	Size (OD/ID)	Material	Application	Part No.	Qty
14	20.5mm / 13.5mm	Copper	Nissan	SUW23	25
15	21.0mm / 12.5mm	Fibre	Toyota / Lexus	SUW40	25
16	21.0mm / 14.5mm	Copper	Citroen / Peugeot	SUW31	25
17	21.0mm / 15.5mm	Collapsible Copper	Nissan	SUW09	25
18	21.5mm / 14.5mm	Nylon	Ford OHC	SUW01	50
19	22.0mm / 12.0mm	Rubber	Ford Zetec	SUW52	25
20	22.0mm / 14.5mm	Copper	Peugeot	SUW30	25
21	22.0mm / 15.0mm	Folded Copper	Nissan Diesel	SUW37	25
22	22.0mm / 16.0mm	Collapsible Copper	Citroen / Renault	SUW12	25
23	22.0mm / 16.5mm	Dished Aluminium	Skoda	SUW50	25
24	18.0mm	Rubber O Ring	Vauxhall	SUW53	25
25	22.5mm / 16.0mm	Copper	Citroen	SUW15	25

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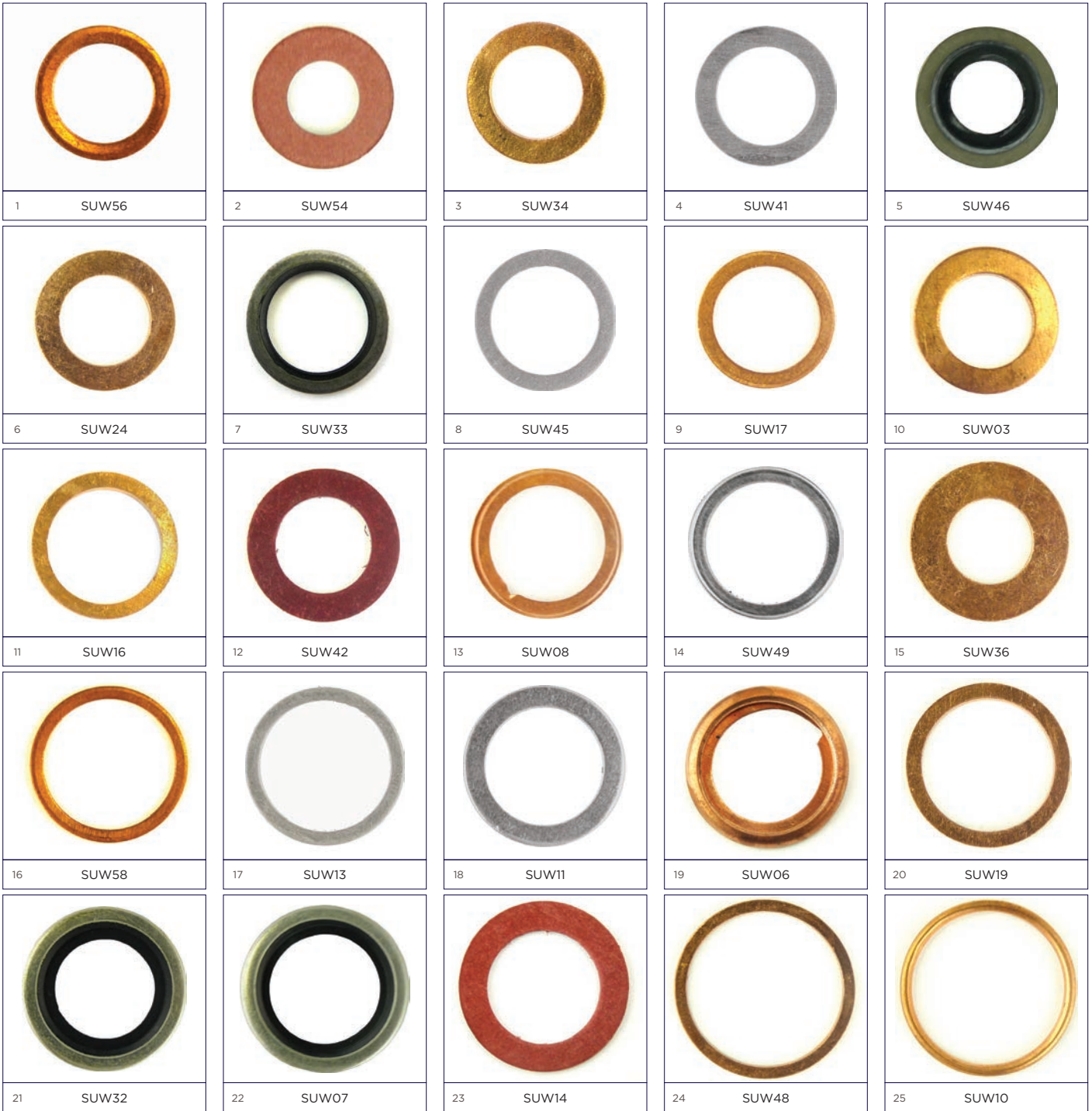
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## SUMP WASHERS



Key	Size (OD/ID)	Material	Application	Part No.	Qty
1	23.0mm / 17.0mm	Copper		SUW56	25
2	24.0mm / 12.0mm	Fibre	Toyota	SUW54	25
3	24.0mm / 15.5mm	Copper	Saab	SUW34	25
4	24.0mm / 16.0mm	Aluminium	Daihatsu	SUW41	25
5	24.0mm / 16.0mm	Dowty Seal	Ford Diesel	SUW46	25
6	24.0mm / 16.5mm	Copper	Rover	SUW24	25
7	24.0mm / 17.5mm	Dowty Seal	Cit / Peu / Ren	SUW33	25
8	24.0mm / 18.0mm	Aluminium	Mazda	SUW45	25
9	24.0mm / 18.5mm	Copper	Volvo	SUW17	25
10	25.0mm / 16.0mm	Copper	Austin / Rover	SUW03	50
11	25.5mm / 19.0mm	Copper	Volvo	SUW16	25
12	26.0mm / 16.5mm	Fibre	Daihatsu	SUW42	25
13	26.0mm / 20.0mm	Collapsible Copper	Talbot	SUW08	25

Key	Size (OD/ID)	Material	Application	Part No.	Qty
14	26.0mm / 20.0mm	Folded Steel	Subaru	SUW49	25
15	27.0mm / 14.5mm	Copper	Saab	SUW36	25
16	27.0mm / 22.0mm	Copper	Porsche	SUW58	25
17	27.0mm / 22.5mm	Aluminium	BMW 3 Series	SUW13	25
18	27.5mm / 20.5mm	Aluminium	Honda	SUW11	25
19	28.0mm / 19.0mm	Collapsible Copper	Rover	SUW06	50
20	28.0mm / 21.0mm	Copper	Alfa Romeo	SUW19	25
21	28.0mm / 21.0mm	Dowty Seal	Peugeot	SUW32	25
22	28.5mm / 21.5mm	Bonded Seal	Talbot	SUW07	25
23	29.0mm / 20.0mm	Fibre	Toyota	SUW14	25
24	30.5mm / 26.5mm	Copper	VW VR6	SUW48	25
25	30.5mm / 27.0mm	Copper	Audi / VW	SUW10	25

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## TRIM BUTTONS, PANEL CLIPS & DRIVE RIVETS



1 TBF01



2 TBF03



3 TBF04



4 TBF06



5 TBF07



6 TBF19



7 TBF27



8 TBF02



9 TBF09



10 TBF10



11 TBF11



12 TBF20



13 TBF28



14 TBF29



15 TBF30



16 TBF31

Key	Trim Buttons	Part No.	Qty
1	Canoe Type (Black)	TBF01	50
2	Fir Tree (Black)	TBF03	50
3	Fir Tree Long Stem (Black)	TBF04	50
4	Self Pierce (Black)	TBF06	50
5	Ford Type (Black)	TBF07	50
6	VW Type (Black)	TBF19	50
7	VW Type (Black)	TBF27	50

Key	Drive Rivets	Part No.	Qty
9	16mm Head (GM, Ford, Citroen)	TBF09	50
10	7.6mm Head	TBF10	50
11	9.5mm Head	TBF11	50
12	22mm Oval (VW, Audi)	TBF20	50
13	9.5mm Head	TBF28	50
14	10mm Head	TBF29	50
15	11.1mm Head	TBF30	50
16	9.75mm Head (VW, Audi)	TBF31	50

Key	Panel Clips	Part No.	Qty
8	Standard Panel Clip (White)	TBF02	50

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## DRIVE RIVETS, PUSH RIVETS & SCREW RIVETS



Key	Drive Rivets (continued)	Part No.	Qty
1	16mm Head (VW, Audi)	TBF32	50
2	16mm Head (GM)	TBF33	50
3	20mm Head (BMW)	TBF34	50
4	13mm Head (GM, Mercedes)	TBF35	20

Key	Push Rivets	Part No.	Qty
5	14.5mm Head (GM)	TBF36	50
6	15mm Head (BMW)	TBF37	50
7	20mm Head (BMW)	TBF38	50

Key	Screw Rivets	Part No.	Qty
8	15mm Head	TBF05	50
9	12mm Head (Mercedes)	TBF39	50
10	15mm Head	TBF40	50
11	20mm Head	TBF41	50
12	16mm Head (BMW, Mercedes)	TBF42	50
13	13mm Head (Mercedes)	TBF43	50

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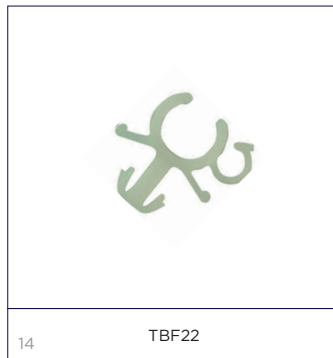
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## LOCKING NUTS & CABLE CLIPS



Key	Locking Nuts	Part No.	Qty
1	16mm Head Round (Natural)	TBF08	50
2	12mm Reverse Round (VW)	TBF23	50
3	12mm Head (VW, Audi)	TBF44	50
4	(VW, Audi)	TBF45	50
5	15.5mm Head (VW, Audi)	TBF47	20
6	15.5mm Head (VW,Audi)	TBF48	50
7	9.5mm Head (GM)	TBF49	50
8	11mm Head (GM)	TBF50	50
9	24mm Head (BMW, Mercedes)	TBF51	50
10	16mm Head (BMW, Mercedes)	TBF52	50
11	21mm Oval Head (BMW)	TBF53	50

Key	Cable Clips	Part No.	Qty
12	95mm Length Cable Fixing	TBF12	50
13	Bonnet Stay Clip (VW)	TBF21	50
14	Brake & Petrol Pipe Clip (Ford)	TBF22	50
15	4.8mm & 4.8mm Cable Clip	TBF24	50
16	6.4mm & 6.4mm Cable Clip	TBF25	50

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## CABLE CLIPS, HOLE PLUGS & OMEGA CLIPS



Key	Cable Clips (continued)	Part No.	Qty
1	7.9mm & 7.9mm Cable Clip	TBF26	50

Key	Hole Plugs	Part No.	Qty
2	16.7mm Head (9.5mm - 13.5mm Hole)	TBF54	50
3	24.8mm Head (14mm - 21mm Hole)	TBF55	50
4	34.8mm Head (22mm - 30mm Hole)	TBF56	50

Key	Omega Clips	Part No.	Qty
5	8mm Grey	TBF13	50
6	11mm Green	TBF14	50
7	13mm Pink	TBF15	50
8	14mm Blue	TBF16	50
9	17mm White	TBF17	50
10	24mm Yellow	TBF18	50
11	Assorted Omega Clips	TBF57	50

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# WIPER BLADES

## UNIVERSAL WIPER BLADE DISPLAY STAND



# TRICO®

seeing you through™

- TRICO Flex - Multi-fit universal wiper blades
- Advanced Flexible Beam Blade
- Direct fit, multi clip solution - Trico® Easy Connection Technology
- Memory Curve Steel™ for uniform pressure
- Superior all weather performance
- Enhanced durability
- Aerodynamic profile
- 96% car parc coverage from 14 SKU's
- 4 connectors, fitting 8 arm styles included with each blade
- High-impact pyramid packaging

Description	Part No.	Pack
TRICO Flex Wiper Blade Stand & Stock	TRI999864-KIT	100 Blades

Includes:

Length	Qty
350mm	5
400mm	10
430mm	5
450mm	10
480mm	10
500mm	5
530mm	5
550mm	10
600mm	10
650mm	10
700mm	5
730mm	5
750mm	5
800mm	5



Compatible With:



## UNIVERSAL WIPER BLADES

Length	Type	Part No.	Qty
350mm	TRICO Flex Flat Blade	TRIFX350	5
400mm	TRICO Flex Flat Blade	TRIFX400	5
430mm	TRICO Flex Flat Blade	TRIFX430	5
450mm	TRICO Flex Flat Blade	TRIFX450	5
480mm	TRICO Flex Flat Blade	TRIFX480	5
500mm	TRICO Flex Flat Blade	TRIFX500	5
530mm	TRICO Flex Flat Blade	TRIFX530	5

Length	Type	Part No.	Qty
550mm	TRICO Flex Flat Blade	TRIFX550	5
600mm	TRICO Flex Flat Blade	TRIFX600	5
650mm	TRICO Flex Flat Blade	TRIFX650	5
700mm	TRICO Flex Flat Blade	TRIFX700	5
730mm	TRICO Flex Flat Blade	TRIFX730	5
750mm	TRICO Flex Flat Blade	TRIFX750	5
800mm	TRICO Flex Flat Blade	TRIFX800	5

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**Seals**  
**Hardware**  
**Braking**  
**Tube & Hose Repair**  
**Auto Electrical**  
**Automotive**  
**First Aid**  
**TPMS**



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## FASTENERS - M6



### Kit Contents

SET SCREWS  
 M6 x 16 HT Set Screws  
 M6 x 20 HT Set Screws  
 M6 x 25 HT Set Screws  
 M6 x 40 HT Set Screws  
 M6 x 50 HT Set Screws

NUTS  
 M6 DIN 934-8 Nuts

Description	Part No.	Qty
M6 Fasteners	ATM042	235pc

## FASTENERS - M8



### Kit Contents

SET SCREWS  
 M8 x 16 HT  
 M8 x 25 HT  
 M8 x 40 HT  
 M8 x 50 HT  
 M8 x 60 HT

NUTS  
 M8 DIN 934-8

Description	Part No.	Qty
M8 Fasteners	ATM043	154pc

## FASTENERS - M10



### Kit Contents

SET SCREWS  
 M10 x 25 HT  
 M10 x 30 HT  
 M10 x 40 HT  
 M10 x 50 HT

NUTS  
 M10 DIN934-8

Description	Part No.	Qty
M10 Fasteners	ATM044	88pc

## HT SET SCREWS - METRIC



### Kit Contents

M6 x 25  
 M6 x 40  
 M8 x 25  
 M8 x 40  
 M10 x 25  
 M10 x 40  
 M12 x 40

Description	Part No.	Qty
Set Screws Size M6 - M12	ATM045	150pc

## STEEL NUTS - METRIC



### Kit Contents

M6  
 M8  
 M10  
 M12

Description	Part No.	Qty
Metric Plain Steel Nuts (Zinc Plated)	ATM011	370pc

## NYLOC STEEL NUTS - METRIC & IMPERIAL



### Kit Contents

M5  
 M6  
 M8  
 M10  
 M12  
 M14  
 M16

Description	Part No.	Qty
Metric Nyloc Steel Nuts (Zinc Plated)	ATM012	220pc

## FLAT WASHERS - METRIC FORM A



### Kit Contents

M5  
 M6  
 M8  
 M10  
 M12  
 M16

Description	Part No.	Qty
Metric Flat Washers - Form A	ATM013	800pc

## FLAT WASHERS - METRIC FORM C



### Kit Contents

M5  
 M6  
 M8  
 M10  
 M12  
 M14  
 M16  
 M20

Description	Part No.	Qty
Metric Flat Washers - Form C	ATM014	800pc

## FLAT WASHERS - IMPERIAL TABLE 3



### Kit Contents

3/16"  
 1/4"  
 5/16"  
 3/8"  
 7/16"  
 1/2"

Description	Part No.	Qty
Imperial Flat Washers - Table 3	ATM015	800pc

## FLAT WASHERS - IMPERIAL TABLE 4



### Kit Contents

3/16"  
 1/4"  
 Size: 5/16"  
 3/8"  
 7/16"  
 1/2"

Description	Part No.	Qty
Imperial Flat Washers - Table 4	ATM016	800pc

## REPAIR WASHERS - IMPERIAL



### Kit Contents

3/16 x 1"  
3/16 x 1.1/2"  
1/4 x 1"  
1/4 x 1.1/2"  
5/16 x 1"  
5/16 x 1.1/2"  
3/8 x 1.1/2"  
3/8 x 2"

Description	Part No.	Qty
Imperial Repair Washers	ATM019	230pc

## SPRING WASHERS - METRIC



### Kit Contents

M5  
M6  
M8  
M10  
M12  
M16

Description	Part No.	Qty
Metric Spring Washers	ATM017	800pc

## SPRING WASHERS - IMPERIAL



### Kit Contents

3/16"  
1/4"  
5/16"  
3/8"  
7/16"  
1/2"

Description	Part No.	Qty
Imperial Spring Washers	ATM018	800pc

## LOCK WASHERS - INTERNAL & EXTERNAL



### Kit Contents

INTERNAL	EXTERNAL
M5	M4
M6	M5
M8	M6
M10	M8
M11	M10
M13	M12
	M14
	M16

Description	Part No.	Qty
Lock Washers - Internal & External	ATM058	600pc

## SELF TAPPING SCREWS - POZI PAN HEAD



### Kit Contents

4 x 1/2"  
6 x 1/2"  
6 x 3/4"  
8 x 1/2"  
8 x 3/4"  
8 x 1"  
8 x 1.1/2"  
10 x 1/2"  
10 x 3/4"  
10 x 1"

Description	Part No.	Qty
Self Tapping Screws - Pozi Pan Head No.4-10	ATM046	700pc

## SELF TAPPING SCREWS - POZI PAN HEAD



### Kit Contents

8 x 1.1/2"  
10 x 1/2"  
10 x 3/4"  
10 x 1"  
10 x 1.1/2"  
12 x 3/4"  
12 x 1"  
12 x 1.1/2"

Description	Part No.	Qty
Self Tapping Screws - Pozi Pan Head - No.8-12	ATM047	330pc

## SELF TAPPING SCREWS - POZI C/SUNK



### Kit Contents

6 x 1/2"  
6 x 3/4"  
6 x 1"  
8 x 1/2"  
8 x 3/4"  
8 x 1"  
10 x 1/2"  
10 x 3/4"  
10 x 1"

Description	Part No.	Qty
Self Tapping Screws - Pozi Counter Sunk	ATM049	615pc

## SELF TAPPING SCREWS - POZI FLANGED



### Kit Contents

6 x 1/2"  
6 x 3/4"  
8 x 1/2"  
8 x 3/4"  
10 x 1/2"  
10 x 3/4"  
8 x 1"

Description	Part No.	Qty
Self Tapping Screws - Pozi Black Flanged	ATM048	700pc

## BA SCREWS & NUTS - BRASS



### Kit Contents

SCREWS	2BA x 1/2" Cheese Head
6BA x 1/2" Round Head	2BA x 3/4" Cheese Head
6BA x 3/4" Round Head	
4BA x 1/2" Round Head	NUTS
4BA x 3/4" Round Head	6BA Nut
2BA x 1/2" Round Head	4BA Nut
2BA x 3/4" Round Head	2BA Nut
6BA x 1/2" Cheese Head	
6BA x 3/4" Cheese Head	
4BA x 1/2" Cheese Head	
4BA x 3/4" Cheese Head	

Description	Part No.	Qty
BA Screws & Nuts - Brass	AT26	480pc

## BA SCREWS & NUTS - STEEL



### Kit Contents

SCREWS
6BA x 3/4" Round Head
4BA x 3/4" Round Head
2BA x 1" Round Head
NUTS
6BA Nut
4BA Nut
2BA Nut

Description	Part No.	Qty
BA Screws & Nuts - Steel	ATM051	600pc



# FASTENERS & SEALING WASHERS

## MACHINE SCREWS & NUTS - METRIC



### Kit Contents

**SCREWS**  
M4 x 20mm  
M4 x 25mm  
M5 x 20mm  
M5 x 25mm  
M5 x 30mm  
M5 x 35mm  
M5 x 40mm

**NUTS**  
M4 Coarse  
M5 Coarse

Description	Part No.	Qty
Machine Screws & Nuts	ATM077	600pc

## MANIFOLD STUDS & NUTS - METRIC & IMP



### Kit Contents

**STUDS**  
M8 x 1.25 x 37mm  
M10 x 1.25 x 37mm  
M10 x 1.50 x 52mm  
5/16" UNC/UNF  
5/16" UNF/UNF  
5/16" UNC/UNC  
3/8" UNF/UNF  
3/8" UNC/UNC

**NUTS**  
M10 x 1.50 Copper  
M8 x 1.25 Brass  
M10 x 1.25 Brass  
5/16" UNF Brass  
3/8" UNF Brass  
5/16" UNC Brass  
3/8" UNC Brass

Description	Part No.	Qty
Manifold Studs & Nuts	ATM067	75pc

## MANIFOLD BOLTS, STUDS & NUTS - METRIC



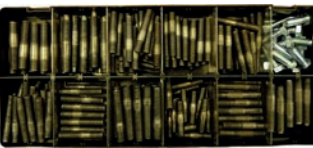
### Kit Contents

**STUDS**  
M8 x 1.25 x 37mm  
M8 x 1.25 x 42mm  
M10 x 1.25 x 37mm  
M10 x 1.50 x 38mm  
M10 x 1.50 x 52mm  
M10 x 1.50 x 55mm

**NUTS**  
M8 x 1.25 Copper  
M10 x 1.50 Copper  
M8 x 1.25 Brass  
M10 x 1.25 Brass

Description	Part No.	Qty
Manifold Bolts, Studs & Nuts	ATM068	80pc

## MANIFOLD BOLTS & STUDS - BRITISH



### Kit Contents

**STUDS**  
5/16" UNC/F x 1.1/4"  
5/16" UNC/F x 1.5/8"  
5/16" UNC/F x 1.11/16"  
5/16" UNF x 1.11/16"  
5/16" UNC x 1.11/16"  
3/8" UNF x 1.7/8"  
M8 x 42mm  
M8 x 45mm  
M10 x 46mm  
M10 x 52mm

**M10 x 55mm**  
**BOLTS**  
M8 x 25mm

Description	Part No.	Qty
Manifold Studs - British	ATM072	130pc

## MANIFOLD STUDS - EUROPEAN



### Kit Contents

M8 x 35mm Fiat  
M8 x 35mm Audi  
M8 x 37mm Fiat  
M8 x 43mm Renault  
M8 x 47mm VW  
M8 x 47mm Nissan  
M10 x 37mm Toyota  
M10 x 38mm Ford  
M10 x 40mm Volvo  
M10 x 43mm Honda  
M10 x 52mm Peugeot

M10 x 55mm  
3/8" UNC x 1.9/16"  
3/8" UNC x 1.13/16"

Description	Part No.	Qty
Manifold Studs - European	ATM073	121pc

## NUMBER PLATE FIXINGS



### Kit Contents

**BLACK**  
Nuts & Bolts  
Hinged Caps

**YELLOW**  
Nuts & Bolts  
Hinged Caps

**WHITE**  
Nuts & Bolts  
Hinged Caps

Self Tapping Screws - No. 8 x 3/4" Pan Head Pozi Drive

Description	Part No.	Qty
Number Plate Fixings	ATM076	240pc

## COPPER WASHERS - METRIC



### Kit Contents

M5 x 9 x 1.0mm  
M6 x 10 x 1.0mm  
M6 x 12 x 1.0mm  
M8 x 12 x 1.0mm  
M8 x 14 x 1.0mm  
M10 x 14 x 1.0mm  
M10 x 16 x 1.0mm  
M12 x 16 x 1.5mm  
M12 x 18 x 1.5mm  
M14 x 18 x 1.5mm  
M14 x 20 x 1.5mm

M16 x 20 x 1.5mm  
M16 x 22 x 1.5mm  
M18 x 22 x 1.5mm  
M18 x 24 x 1.5mm

Description	Part No.	Qty
Copper Washers - Metric	ATM078	116pc

## COPPER WASHERS - IMPERIAL



### Kit Contents

0.265 x .375" x 20g  
0.265 x .473" x 20g  
0.265 x .500" x 20g  
0.323 x .437" x 20g  
0.323 x .500" x 20g  
1/8" BSP x 18g  
1/8" BSP x 20g  
1/4" BSP x 18g  
1/4" BSP x 20g  
3/8" BSP x 20g  
1/2" BSP x 18g

1/2" BSP x 16g  
5/8" BSP x 16g  
3/4" BSP x 16g  
7/8" BSP x 16g  
1" BSP x 16g

Description	Part No.	Qty
Copper Washers - Imperial	ATM021	225pc

## COPPER COMPRESSION WASHERS



### Kit Contents

6 x 10 x 1.5mm  
8 x 12 x 1.5mm  
10 x 14 x 1.5mm  
12 x 18 x 2.0mm  
14 x 20 x 2.0mm  
16 x 22 x 2.0mm  
18 x 24 x 2.0mm  
20 x 26 x 2.0mm  
22 x 27 x 2.0mm  
26 x 32 x 2.5mm

Description	Part No.	Qty
Copper Compression Washers	ATM023	250pc

## FIBRE WASHERS



### Kit Contents

13/64" x 3/8" x 1/16"  
1/4" x 3/8" x 1/16"  
3/8" x 5/8" x 1/16"  
13/32 x 5/8"  
29/64" x 11/16" x 1/16"  
1/2" x 3/4" x 1/16"  
5/8 x 7/8"  
49/64 x 15/16"

Description	Part No.	Qty
Fibre Washers	ATM024	610pc

TOOLS & EQUIPMENT

TYRE SHOP & TPMS

AUTOMOTIVE

WORKSHOP ASSORTMENTS

FASTENERS

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# SEALING & SUMP WASHERS

## BONDED SEALS / DOWTY WASHERS - METRIC

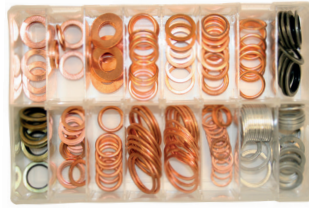


### Kit Contents

M10  
M14  
M16  
M18  
M20  
M22  
M24

Description	Part No.	Qty
Bonded Seals / Dowty Washers - Metric	ATM025	90pc

## SUMP PLUG WASHERS - EUROPEAN



### Kit Contents

15.0mm x 12.5mm Copper - BMW  
19.5mm x 14.0mm Copper - GM / VW  
19.5mm x 14.5mm Collapsible Copper - VW  
20.0mm x 14.5mm Copper - SAAB  
21.0mm x 14.5mm Copper - Citroen / Peugeot  
22.0mm x 14.5mm Copper - Peugeot  
22.0mm x 16.0mm Collapsible Copper - Citroen / Renault  
22.0mm x 16.5mm Dishd Aluminium - Skoda  
22.5mm x 16.0mm Copper - Citroen  
24.0mm x 15.5mm Copper - SAAB  
24.0mm x 17.5mm Dowty Seal - Citroen / Peugeot / Renault  
27.0mm x 14.5mm Copper - SAAB  
27.0mm x 22.5mm Aluminium - BMW  
28.0mm x 21.0mm Dowty Seal - Peugeot  
30.5mm x 26.5mm Copper - VW VR6  
30.5mm x 27.0mm Copper - Audi / VW

Description	Part No.	Qty
Sump Plug Washers - European	ATM055	210pc

## BONDED SEALS / DOWTY WASHERS - IMP



### Kit Contents

1/8" BSP  
1/4" BSP  
3/8" BSP  
1/2" BSP  
5/8" BSP  
3/4" BSP  
1" BSP

Description	Part No.	Qty
Bonded Seals / Dowty Washers - Imperial	ATM026	100pc

## SUMP PLUG WASHERS - JAPANESE



### Kit Contents

17.5mm x 11.0mm Folded Copper - Nissan Petrol  
19.0mm x 12.0mm Aluminium - Daihatsu  
19.0mm x 14.0mm Folded Steel - Mitsubishi / Proton  
20.0mm x 14.0mm Aluminium - Mazda / Suzuki  
20.5mm x 13.5mm Copper - Nissan  
21.0mm x 12.5mm Fibre - Toyota / Lexus  
21.0mm x 15.5mm Collapsible Copper - Nissan  
22.0mm x 15.0mm Folded Copper - Nissan Diesel  
24.0mm x 16.0mm Aluminium - Daihatsu  
24.0mm x 18.0mm Aluminium - Mazda  
26.0mm x 16.5mm Fibre - Daihatsu  
26.0mm x 20.0mm Folded Steel - Subaru  
27.5mm x 20.5mm Aluminium - Honda  
28.0mm x 21.0mm Copper - Alfa Romeo  
29.0mm x 20.0mm Fibre - Toyota

Description	Part No.	Qty
Sump Plug Washers - Japanese	ATM056	210pc

## DIESEL INJECTOR WASHERS

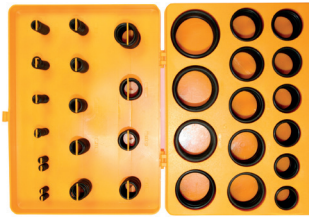


### Kit Contents

6 x 10 x 1.0mm  
6 x 12 x 1.0mm  
8 x 11.5 x 1.0mm  
10 x 13.5 x 1.0mm  
10 x 14 x 1.0mm  
12 x 16 x 1.5mm  
12 x 18 x 1.5mm  
14 x 18 x 1.5mm  
16 x 20 x 1.5mm  
17 x 21 x 1.5mm

Description	Part No.	Qty
Diesel Injector Washers	ATM022	360pc

## RUBBER O-RINGS - METRIC



### Kit Contents

3mm x 2mm  
4mm x 2mm  
5mm x 2mm  
6mm x 2mm  
7mm x 2mm  
8mm x 2mm  
10mm x 2mm  
10mm x 2.5mm  
11mm x 2.5mm  
12mm x 2.5mm  
14mm x 2.5mm  
16mm x 2.5mm  
17mm x 2.5mm  
19mm x 2.5mm  
19mm x 3mm  
20mm x 3mm  
22mm x 3mm  
24mm x 3mm  
25mm x 3mm  
27mm x 3mm  
28mm x 3mm  
30mm x 3mm  
32mm x 3mm  
33mm x 3mm  
35mm x 3mm  
36mm x 3mm  
38mm x 3mm  
38mm x 4mm  
44mm x 4mm  
45mm x 4mm

Description	Part No.	Qty
O-Rings - Metric (3mm - 45mm)	AT39	400pc

## SUMP PLUG WASHERS - MIXED



### Kit Contents

14.5 x 22.0 x 2.0mm Nylon  
12.25 x 24.0 x 1.5mm Bonded Seal  
16.0 x 22.0 x 2.0mm Compression  
18.0 x 24.0 x 2.0mm Compression  
12.0 x 15.5 x 1.5mm Aluminium  
14.0 x 22.0 x 2.0mm Aluminium  
14.0 x 19.0 x 2.5mm Copper  
14.0 x 20.0 x 1.5mm Copper  
16.3 x 25.4 x 1.6mm Copper  
19.0 x 26.0 x 2.0mm Copper

Description	Part No.	Qty
Sump Plug Washers - Mixed (Popular)	ATM020	250pc

## RUBBER O-RINGS - IMPERIAL



### Kit Contents

1/8" x 1/16"  
5/32" x 1/16"  
3/16" x 1/16"  
7/32" x 1/16"  
1/4" x 1/16"  
5/16" x 1/16"  
3/8" x 1/16"  
3/8" x 3/32"  
7/16" x 3/32"  
1/2" x 3/32"  
9/16" x 3/32"  
5/8" x 3/32"  
3/4" x 3/32"  
3/4" x 1/8"  
13/16" x 1/8"  
7/8" x 1/8"  
15/16" x 1/8"  
1" x 1/8"  
1.1/16" x 1/8"  
1.1/8" x 1/8"  
1.3/16" x 1/8"  
1.1/4" x 1/8"  
1.5/16" x 1/8"  
1.3/8" x 1/8"  
1.7/16" x 1/8"  
1.1/2" x 1/8"  
1.1/2" x 3/16"  
1.5/8" x 3/16"  
1.3/4" x 3/16"

Description	Part No.	Qty
O-Rings - Imperial (1/8" - 1.3/4")	AT38	375pc

## SUMP PLUG WASHERS - BRITISH



### Kit Contents

17.0mm x 12.0mm Collapsible Copper - Morris  
19.0mm x 13.5mm Copper - Rover  
19.5mm x 14.0mm Copper - GM / VW  
20.0mm x 13.0mm Nylon - Ford OHV  
21.5mm x 14.5mm Nylon - Ford OHC  
24.0mm x 16.0mm Dowty Seal - Ford Diesel  
24.0mm x 16.5mm Copper - Rover  
25.0mm x 16.0mm Copper - Austin / Rover  
26.0mm x 20.0mm Collapsible Copper - Talbot  
28.0mm x 19.0mm Collapsible Copper - Rover  
1/2" BSP x 13/16" Dowty Seal

Description	Part No.	Qty
Sump Plug Washers - British	ATM054	230pc

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## THREADED INSERTS M4-M8



### Kit Contents

M4  
M5  
M6  
M8

Description	Part No.	Qty
Threaded Inserts M4-M8	ATM060	200pc

## RIVETS



### Kit Contents

**NORMAL**  
3.2mm x 8.0mm  
4.0mm x 10.0mm  
4.8mm x 14.0mm

**LARGE FLANGE**  
3.2mm x 10.0mm  
4.0mm x 10.0mm  
4.0mm x 14.0mm  
4.8mm x 14.0mm  
4.8mm x 18.0mm

Description	Part No.	Qty
Normal & Large Flange Rivets	ATM059	200pc

## SPLIT COTTER PINS - SMALL SIZES



### Kit Contents

1/16" x 1"  
5/64" x 1"  
3/32" x 1.1/2"  
7/64" x 1.1/2"  
1/8" x 1.1/2"  
9/64" x 1.1/2"  
5/32" x 1.5/8"

Description	Part No.	Qty
Split Cotter Pins - Small	ATM027	1000pc

## SPLIT COTTER PINS - LARGE SIZES



### Kit Contents

1/8" x 1.1/2"  
1/8" x 2.1/4"  
9/64" x 1.1/2"  
5/32" x 1.5/8"  
3/16" x 2"  
3/16" x 3"  
1/4" x 3"  
5/16" x 3"

Description	Part No.	Qty
Split Cotter Pins - Large	ATM028	220pc

## CLEVIS PINS



### Kit Contents

3/16" x 5/8"  
3/16" x 7/8"  
1/4" x 1/2"  
1/4" x 1.1/16"  
5/16" x 7/8"  
5/16" x 1"  
3/8" x 1.1/4"  
M6 x 20

Description	Part No.	Qty
Clevis Pins	ATM039	175pc

## SPRING ROLL PINS - METRIC



### Kit Contents

2.5 x 24mm  
2.5 x 40mm  
3.0 x 40mm  
4.0 x 40mm  
5.0 x 40mm  
6.0 x 40mm  
8.0 x 24mm  
8.0 x 55mm

Description	Part No.	Qty
Spring Roll Pins - Metric	ATM029	300pc

## SPRING ROLL PINS - IMPERIAL



### Kit Contents

3/32" x 1"  
1/8" x 1.1/2"  
5/32" x 3/4"  
5/32" x 2"  
3/16" x 1"  
3/16" x 2"  
1/4" x 1"  
1/4" x 2"  
5/16" x 1"  
5/16" x 2"

Description	Part No.	Qty
Spring Roll Pins - Imperial	ATM030	385pc

## CORE PLUGS



### Kit Contents

18mm  
22mm  
24mm  
26mm  
28mm  
30mm  
32mm  
34mm  
36mm  
48mm

Description	Part No.	Qty
Core Plugs	ATM070	60pc

## R-CLIPS



### Kit Contents

2.5mm Diameter x 40mm  
3.0mm Diameter x 54mm  
4.0mm Diameter x 75mm  
5.0mm Diameter x 107mm  
6.0mm Diameter x 117mm

Description	Part No.	Qty
R-Clips	ATM071	75pc

## CIRCLIPS - INTERNAL & EXTERNAL



### Kit Contents

**INTERNAL**  
J12-DLP 12mm  
J13-DLP 13mm  
J14-E 14mm  
J16-E 16mm  
J18-E 18mm  
J22-E 2mm  
J24-DLP 24mm  
J25-DLP 25mm

**EXTERNAL**  
A12-DLE 12mm  
A13-DLE 13mm  
A14-DLE 14mm  
A16-DLE 16mm  
A18-DLP 18mm  
A22-DLP 22mm  
A24-DLP 24mm  
A25-DLP 25mm

Description	Part No.	Qty
Circlips - Popular Internal & External	ATM040	280pc

TOOLS & EQUIPMENT

TYRE SHOP & TPMS

AUTOMOTIVE

WORKSHOP ASSORTMENTS

FASTENERS

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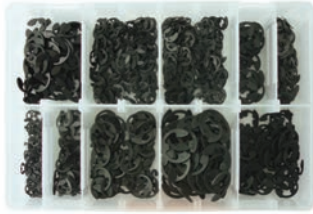
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## E-RETAINER CLIPS



### Kit Contents

RA1.5-DLE 1.5MM  
RA2.3-DLE 2.3MM  
RA3.2-DLE 3.2MM  
RA4-DLE 4MM  
RA5-DLE 5MM  
RA6-DLE 6MM  
RA8-DLE 8MM  
RA10-DLE 10M  
RA12-DLE 12M  
RA15-DLE 15M

Description	Part No.	Qty
E-Retainer Clips	ATM041	800pc

## BRAKE BLEED SCREWS



### Kit Contents

1/4" UNF x 28TPI x 28mm  
3/8" UNF x 24TPI x 31mm  
M6 x 1mm x 26mm  
M7 x 1mm x 30.5mm  
M8 x 1.25mm x 26.5mm  
M10 x 1mm x 36.5mm

Description	Part No.	Qty
Brake Bleed Screws	ATM034	60pc

## EXPANSION SPRINGS



### Kit Contents

29.5mm x 6.4mm  
31.5mm x 5.0mm  
33.3mm x 6.8mm  
56.5mm x 7.8mm  
74.0mm x 10.3mm  
90.0mm x 11.4mm  
126.0mm x 9.4mm

Description	Part No.	Qty
Expansion Springs	ATM052	70pc

## BRAKE PIPE NUTS



### Kit Contents

3/8" x 24TPI Long Male Brake Tube Nut  
3/8" x 24TPI Female Brake Nut  
M10 x 1.0mm Short Male Brake Tube Nut  
M10 x 1.0mm Female Brake Nut  
M10 x 1.0mm Long Male Brake Nut  
M10 x 1.0mm F/T Male Brake Nut

Description	Part No.	Qty
Brake Pipe Nuts	ATM033	135pc

## COMPRESSION SPRINGS



### Kit Contents

21.2mm x 8.9mm  
22.5mm x 9.0mm  
25.0mm x 12.2mm  
26.5mm x 5.4mm  
31.5mm x 10.4mm  
37.0mm x 7.8mm  
65.5mm x 13.0mm  
66.0mm x 10.4mm  
100.0mm x 18.5mm  
124.0mm x 16.0mm

Description	Part No.	Qty
Compression Springs	ATM053	70pc

## BRAKE SHOE HOLD-DOWN



### Kit Contents

Ford Pin  
GM Pin  
Rover Pin  
BL Spring  
Ford Spring  
GM Spring  
Lockheed Spring  
Girling Washer  
Lockheed Washer

Description	Part No.	Qty
Brake Show Hold-Down	ATM057	200pc

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# TUBE & HOSE REPAIR

## PUSH-FIT TUBE COUPLINGS - METRIC



### Kit Contents

4mm  
5mm  
6mm  
8mm  
10mm  
12mm

NOT SUITABLE FOR:  
AUTOMOTIVE AIR BRAKE SYSTEMS

Description	Part No.	Qty
Push-Fit Tube Couplings - Metric	ATM031	25pc

## PUSH-FIT TUBE COUPLINGS - IMPERIAL



### Kit Contents

5/32"  
3/16"  
1/4"  
5/16"  
3/8"  
1/2"

NOT SUITABLE FOR:  
AUTOMOTIVE AIR BRAKE SYSTEMS

Description	Part No.	Qty
Push-Fit Tube Couplings - Imperial	ATM032	25pc

## BRASS TUBE COUPLINGS - METRIC



### Kit Contents

4mm  
5mm  
6mm  
8mm  
10mm  
12mm

Description	Part No.	Qty
Brass Tube Couplings - Metric	ATM061	28pc

## BRASS TUBE COUPLINGS - IMPERIAL



### Kit Contents

5/32"  
3/16"  
1/4"  
5/16"  
3/8"  
1/2"

Description	Part No.	Qty
Brass Tube Couplings - Imperial	ATM079	28pc

## HOSE REPAIR KIT



### Kit Contents

HOSE MENDERS	'O' CLIPS
3/16"	7/16"
1/4"	1/2"
5/16"	9/16"
3/8"	5/8"
1/2"	3/4"
5/8"	7/8"

Description	Part No.	Qty
Hose Repair Kit	ATM069	72pc

## MINI HOSE CLIPS



### Kit Contents

7-9mm  
8-10mm  
9-11mm  
10-12mm  
11-13mm  
12-14mm  
13-15mm  
14-16mm  
15-17mm  
16-18mm

Description	Part No.	Qty
Mini Hose Clips	ATM064	100pc

## BRASS OLIVES - METRIC



### Kit Contents

BARREL OLIVES	STEPPED OLIVES
4mm	4mm
5mm	5mm
6mm	6mm
8mm	8mm
10mm	10mm
12mm	12mm

Description	Part No.	Qty
Brass Olives - Metric	ATM037	200pc

## BRASS OLIVES - IMPERIAL



### Kit Contents

BARREL OLIVES	STEPPED OLIVES
5/32"	5/32"
3/16"	3/16"
1/4"	1/4"
5/16"	5/16"
3/8"	3/8"
1/2"	1/2"
5/8"	5/8"

Description	Part No.	Qty
Brass Olives - Imperial	ATM038	200pc

## GREASE NIPPLES - METRIC



### Kit Contents

STRAIGHT	45° ANGLED	90° ANGLED
M6 x 1.00mm	M6 x 1.00mm	M6 x 1.00mm
M8 x 1.00mm	M8 x 1.00mm	M8 x 1.00mm
M8 x 1.25mm	M8 x 1.25mm	M8 x 1.25mm
M10 x 1.00mm	M10 x 1.00mm	M10 x 1.00mm

Description	Part No.	Qty
Grease Nipples - Metric	ATM066	116pc

## GREASE NIPPLES - IMPERIAL



### Kit Contents

STRAIGHT	45° ANGLED	90° ANGLED
1/8" BSP Gas.	1/8" BSP Gas.	1/8" BSP Gas.
1/4" BSP	1/4" BSP	1/4" BSP
1/4" UNF	1/4" UNF	1/4" UNF
1/4" UNF Long		
	BUTTON HEAD	
	1/8" BSP Gas.	

Description	Part No.	Qty
Grease Nipples - Imperial	ATM065	90pc

TOOLS & EQUIPMENT

TYRE SHOP & TPMS

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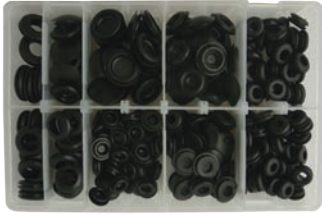
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## BLANKING & WIRING GROMMETS



### Kit Contents

BLANKING GROMMET	CABLE GROMMET
8.0mm	4.75mm
9.5mm	6.4mm
12.5mm	8.0mm
16.3mm	9.5mm
19.0mm	11.0mm
25.4mm	12.5mm

Description	Part No.	Qty
Blanking & Wiring Grommets	ATM035	240pc

## PUSH ON TERMINALS - MIXED



### Kit Contents

FEMALE SPADE 2.8mm Red 4.8mm Red 4.8mm Blue 6.3mm Red 6.3mm Blue 6.3mm Fully Insulated Blue 6.3mm Fully Insulated Yellow 9.5mm Yellow	MALE BLADE 6.3mm Blue	MALE BULLET 4.0mm Red 5.0mm Blue	MALE PIGGY-BACK 6.3mm Blue
FEMALE RECEPTACLE 4.0mm Red 5.0mm Blue	BUTT CONNECTOR Red Blue		

Description	Part No.	Qty
Push On Terminals - Mixed	ATM004	200pc

## INSULATED TERMINALS - RED



### Kit Contents

FEMALE SPADE 2.8mm 4.8mm 6.3mm 6.3mm Fully Insulated	MALE BULLET 4.0mm	BUTT CONNECTORS Standard
FEMALE RECEPTACLE 4.0mm	RING TERMINALS 3.7mm (4BA) 5.3mm (2BA) 6.4mm (OBA) 8.4mm (5/16")	
MALE PIGGY-BACK 6.3mm		
MALE BLADE 6.3mm		

Description	Part No.	Qty
Insulated Terminals - Red	ATM001	260pc

## HEAT SHRINK TERMINALS - MIXED



### Kit Contents

RED 4.0mm Ring 5.0mm Ring 4.0mm Fork 5.0mm Fork 6.0mm Fork 6.3mm Female Spade 6.3mm Male Spade Butt Connector	BLUE 4.0mm Ring 5.0mm Ring 6.0mm Ring 8.0mm Ring 4.0mm Fork 5.0mm Fork 6.3mm Female Spade 6.3mm Male Blade Butt Connector	YELLOW 4.0mm Ring 5.0mm Ring 6.0mm Ring 8.0mm Ring 10.0mm Ring 4.0mm Fork 5.0mm Fork 6.0mm Fork 6.3mm Female Spade 6.3mm Male Blade Butt Connector
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Description	Part No.	Qty
Heat Shrink Terminals - Mixed	ATM006	100pc

## INSULATED TERMINALS - BLUE



### Kit Contents

FEMALE SPADE 4.8mm 6.3mm 6.3mm Fully Insulated	MALE BULLET 5.0mm	BUTT CONNECTORS Standard
FEMALE RECEPTACLE 5.0mm	RING TERMINALS 3.7mm (4BA) 5.3mm (2BA) 6.4mm (OBA) 8.4mm (5/16") 10.5mm (3/8") 13.0mm (1/2")	
MALE PIGGY-BACK 6.3mm		
MALE BLADE 6.3mm		

Description	Part No.	Qty
Insulated Terminals - Blue	ATM002	280pc

## HEAT SHRINK TUBING - 50MM



### Kit Contents

3.2mm Red 3.2mm Yellow 3.2mm Blue 3.2mm Black	6.4mm Red 6.4mm Yellow 6.4mm Blue 6.4mm Black
4.8mm Red 4.8mm Yellow 4.8mm Blue 4.8mm Black	12.7mm Red 12.7mm Yellow 12.7mm Blue 12.7mm Black

Description	Part No.	Qty
Heat Shrink Tubing - 50mm Pieces	ATM062	172pc

## INSULATED TERMINALS - YELLOW

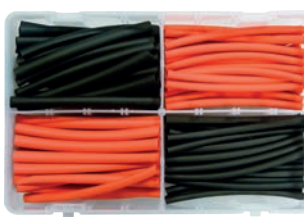


### Kit Contents

FEMALE SPADE 6.3mm 6.3mm Fully Insulated 9.5mm 9.5mm Fully Insulated	RING TERMINALS 5.3mm (2BA) 6.4mm (OBA) 8.4mm (5/16") 10.5mm (3/8") 13.0mm (1/2")
MALE BLADE 6.3mm	
BUTT CONNECTORS Standard	

Description	Part No.	Qty
Insulated Terminals - Yellow	ATM003	110pc

## HEAT SHRINK TUBING - 150MM



### Kit Contents

4.8mm Red 4.8mm Black 6.4mm Red 6.4mm Black
--

Description	Part No.	Qty
Heat Shrink Tubing - 150mm Pieces	ATM063	100pc

## RING & FORK TERMINALS - MIXED



### Kit Contents

FORK TERMINALS 3.7mm (4BA) Red 5.3mm (2BA) Red 3.7mm (4BA) Blue 5.3mm (2BA) Blue	3.2mm (6BA) Blue 3.7mm (4BA) Blue 5.3mm (2BA) Blue 6.4mm (OBA) Blue 8.4mm (5/16") Blue 5.3mm (2BA) Yellow 6.4mm (OBA) Yellow 10.5mm (3/8") Yellow
RING TERMINALS 3.2mm (6BA) Red 3.7mm (4BA) Red 5.3mm (2BA) Red 8.4mm (5/16") Red	

Description	Part No.	Qty
Ring & Fork Terminals - Mixed	ATM005	200pc

# AUTOMOTIVE & FIRST AID

## GLASS & CERAMIC FUSES



### Kit Contents

Ceramic Fuse 5 Amp  
Ceramic Fuse 8 Amp  
Ceramic Fuse 16 Amp  
Ceramic Fuse 25 Amp  
Glass Fuse 2 Amp  
Glass Fuse 5 Amp  
Glass Fuse 10 Amp  
Glass Fuse 15 Amp  
Glass Fuse 25 Amp  
Glass Fuse 50 Amp

Description	Part No.	Qty
Glass & Ceramic Fuses	ATM010	480pc

## MINI BLADE FUSES



### Kit Contents

2 Amp  
3 Amp  
4 Amp  
5 Amp  
7.5 Amp  
10 Amp  
15 Amp  
20 Amp  
25 Amp  
30 Amp

Description	Part No.	Qty
Mini Blade Fuses	ATM008	100pc

## MINI BLADE FUSES - LOW PROFILE



### Kit Contents

2 Amp  
3 Amp  
4 Amp  
5 Amp  
7.5 Amp  
10 Amp  
15 Amp  
20 Amp  
25 Amp  
30 Amp

Description	Part No.	Qty
Mini Blade Fuses - Low Profile	ATM009	100pc

## STANDARD BLADE FUSES



### Kit Contents

2 Amp  
3 Amp  
4 Amp  
5 Amp  
7.5 Amp  
10 Amp  
15 Amp  
20 Amp  
25 Amp  
30 Amp

Description	Part No.	Qty
Standard Blade Fuses	ATM007	80pc

## CLIP-ON SLIM BALANCE WEIGHTS - STEEL



### Kit Contents

5g Slimline Clip On Weight  
10g Slimline Clip On Weight  
15g Slimline Clip On Weight  
20g Slimline Clip On Weight  
25g Slimline Clip On Weight  
30g Slimline Clip On Weight  
35g Slimline Clip On Weight  
40g Slimline Clip On Weight  
FOR USE ON STEEL WHEELS

Description	Part No.	Qty
Clip-On Slimline Balance Weights - Steel Wheels	TRW200KIT	60pc

## CLIP-ON SLIM BALANCE WEIGHTS - ALLOY



### Kit Contents

5g Continental Clip On Weight  
10g Continental Clip On Weight  
15g Continental Clip On Weight  
20g Continental Clip On Weight  
25g Continental Clip On Weight  
30g Continental Clip On Weight  
35g Continental Clip On Weight  
40g Continental Clip On Weight  
FOR USE ON ALLOY WHEELS

Description	Part No.	Qty
Clip-On Slimline Balance Weights - Alloy Wheels	TRW300KIT	60pc

## PLASTERS & WIPES



### Kit Contents

PLASTERS  
Fingertip  
60mm x 20mm  
75mm x 50mm  
75mm x 25mm  
ANTISEPTIC WIPES  
185mm x 100mm

Description	Part No.	Qty
Plasters & Wipes	AT100	120pc

## MEDICATED DRESSINGS



### Kit Contents

PLASTERS  
Fingertip  
40mm x 40mm  
60mm x 20mm  
75mm x 20mm  
75mm x 25mm  
75mm x 50mm

Description	Part No.	Qty
Medicated Dressings	AT33	150pc

## WATERPROOF DRESSINGS



### Kit Contents

PLASTERS  
Fingertip  
40mm x 40mm  
60mm x 20mm  
75mm x 20mm  
75mm x 25mm  
75mm x 50mm

Description	Part No.	Qty
Waterproof Dressings	AT78	150pc

## EMPTY ASSORTED BOX & DIVIDERS



### Kit Contents

10 Boxes  
100 Dividers

Description	Part No.	Qty
Empty Boxes & Dividers	ATM050	10 Sets

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## TPMS SERVICE KITS\*

- Maximise your TPMS revenues with high quality, easy to fit tyre pressure sensor service kits
- Offer new service options to your customers improving customer care whilst adding more £'s per job
- Replace the old rubber valve revenue which is no longer available on customer vehicles equipped with wheel mounted sensors

Replace caps, cores, seals, washers, locking nuts on a regular basis and in many cases the stems of OE tyre pressure sensors can be replaced if damaged. Sensor manufacturers recommend servicing of tyre pressure sensors should be undertaken at every bead break in order to maintain the integrity of the parts and seals. All TPMS components are tightened to specified torque settings as displayed on our service kit packaging and in our TPMS data tables. Always use appropriate tools when fitting and removing TPMS components - See TPT14 on page 61



### Kit Contents

- TPMS Service Kit containing replacement stem parts, stem kits, service kits and components for the most common applications.
- Recommended to be used along with TPK12

#### Includes:

- 4 x Clamp-In Valve Kit Part Refs (4pc of each)
- 4 x Snap-In Valve Kit Part Refs (4pc of each)
- 5 x Plain Stem Part Refs (4pc of each)
- 3 x Service Kit Part Refs (4pc of each)
- 100 x TPMS Valve Caps
- 100 x TPMS Valve Cores

### Kit Contents

- TPMS Service Kit assortment with additional popular service kits.
- Recommended to be used along with TPK11

#### Includes:

- 18 x Service Kit Part Refs (4pc of each)

### Description

### Part No.

### Qty

TPMS Service Kit Box A	TPK11	264pc
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### Description

### Part No.

### Qty

TPMS Service Kit Box B	TPK12	72pc
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\*Our TPMS Service Kit assortments are subject to a regular review process and potential amendments as they are market driven and updated with new products as market volume and popularity changes. Please contact our TPMS tech support team for an up to date contents and application chart if required. More details of our service kit range can be found on pages 62 - 65

Join the thousands of technicians that are already successfully making use of our TPMS programme & range of industry leading products: pages 59 - 67

### TPT14 - 12pc TPMS Hand Tool Kit v4

TPMS hand tools kit in plastic case with foam inlay includes:

- Ratcheting torque spanner - 0-10Nm
- 1/4" drive 11mm & 12mm deep sockets
- Plastic grommet removal/ fitting tool
- Pre-torqued valve core tool
- Torx® bits (T6, T10, T15, T20)
- Extended T20 Torx® bit
- 1/4" hex adapter
- 1/4" T-bar tool for component removal
- Torque calibration certificate



Everything you need to service & replace TPMS sensors

### Description

### Part No.

### Pack

Comprehensive TPMS Hand Tools Kit - Version 4	TPT14	12pc
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**All TPMS replacement stems, stem kits & service kits are application driven parts that contain torque critical components. Please make use of our downloadable application charts, our online TPMS assistant or our tech support team should you be unsure which product to use.**

**Online TPMS Assistant:  
[shop.autogem.co.uk/tpms](http://shop.autogem.co.uk/tpms)**

**TPMS Technical Support Team:  
0208 838 0910 option 4**



# consumables at your convenience



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tailored product portfolio

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your  
order

“TPMS Assistant” for registered users with  
make, model, year lookup & FAQ’s  
[www.shop.autogem.co.uk/tpms](http://www.shop.autogem.co.uk/tpms)

use your existing trade account  
or simply pay online at the checkout

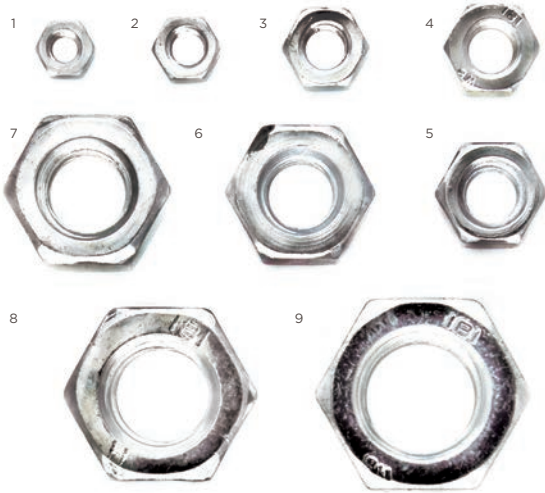


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## Nuts Bolts & Screws Manifold Bolts & Studs Washers Rivets Fixings & 'O' Rings



## METRIC STEEL NUTS (COARSE)



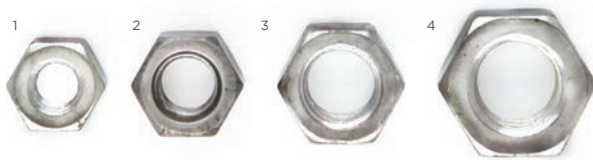
Key	Description	Part No.	Qty
1	M4 x 0.70mm	A-MN04	25
		MN04	100
2	M5 x 0.80mm	A-MN05	25
		MN05	200
3	M6 x 1.00mm	A-MN01	25
		MN01	200
4	M7 x 1.00mm	MN07	200
5	M8 x 1.25mm	A-MN02	25
		MN02	200
6	M10 x 1.50mm	A-MN03	25
		MN03	200
7	M12 x 1.75mm	MN06	100
8	M14 x 2.00mm	MN08	100
9	M16 x 2.00mm	MN09	100

## METRIC STEEL NUTS (FINE)



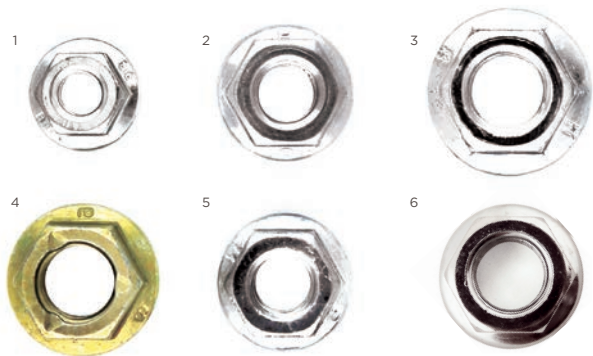
Key	Description	Part No.	Qty
1	M6 x 0.75mm	MNF04	50
2	M8 x 1.00mm	MNF05	200
3	M10 x 1.25mm	MNF06	200

## IMPERIAL STEEL NUTS (UNF)



Key	Description	Part No.	Qty
1	1/4"	SN02UNF	200
2	5/16"	SN03UNF	200
3	3/8"	SN04UNF	200
4	7/16"	SN05UNF	200

## METRIC & IMPERIAL FLANGED NUTS



Key	Description	Part No.	Qty
1	M6 x 1.00mm	FNO4	100
2	M8 x 1.25mm	FN05	100
3	M10 x 1.50mm	FN06	100
4	M10 x 1.25mm	EMN07	25
5	5/16" UNF	FN02	100
6	3/8" UNF	FN03	100

## MANIFOLD NUTS



Key	Description	Part No.	Qty
1	M6 x 1.00mm	EMN02	25
2	M8 x 1.25mm	EMN03	25
3	M10 x 1.50mm	EMN01	50

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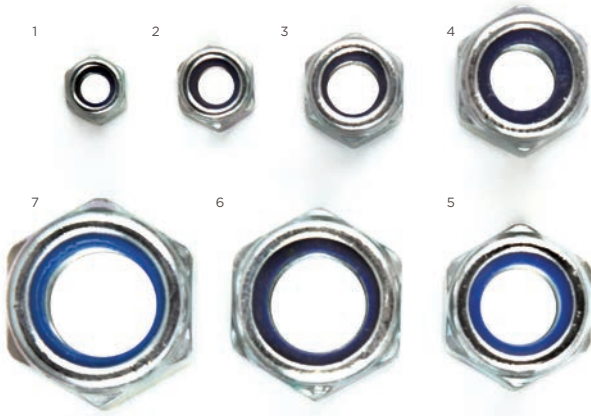
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## METRIC NYLON LOCK NUTS (COARSE)



Key	Description	Part No.	Qty
1	M5 x 0.80mm	NNM13	50
2	M6 x 1.00mm	A-NNM01	25
		NNM01	50
		NNM01T	100
3	M8 x 1.25mm	A-NNM02	25
		NNM02	50
		NNM02T	100
4	M10 x 1.50mm	A-NNM03	25
		NNM03	50
		NNM03T	100
5	M12 x 1.75mm	NNM04	50
		NNM04T	100
6	M14 x 2.00mm	NNM14	50
7	M16 x 2.00mm (T Type)	NNM116	50

## IMPERIAL NYLON LOCK NUTS (UNF)



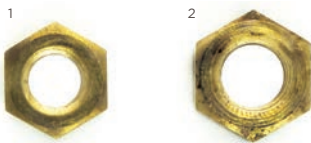
Key	Description	Part No.	Qty
1	1/4"	NN01UNF	100
2	5/16"	NN02UNF	100
3	3/8"	NN03UNF	100
4	7/16"	NN04UNF	100
5	1/2"	NN05UNF	75

## METRIC BRASS NUTS



Key	Description	Part No.	Qty
1	M8 x 1.25mm	BN05	100
2	M10 x 1.50mm	BN06	100
3	M10 x 1.25mm	BN07	100

## IMPERIAL BRASS NUTS (UNF)



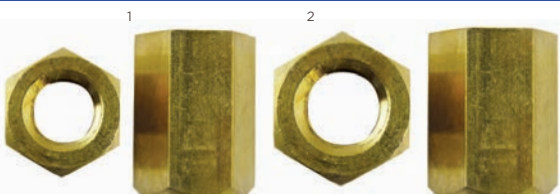
Key	Description	Part No.	Qty
1	5/16"	BN01	100
2	3/8"	BN02	100

## IMPERIAL BRASS NUTS (UNC)



Key	Description	Part No.	Qty
1	5/16"	BN03	100
2	3/8"	BN04	100

## METRIC DEEP BRASS NUTS



Key	Description	Part No.	Qty
1	M8 x 1.25mm	BND03	25
2	M10 x 1.50mm	BND04	25

## METRIC SET SCREWS



Key	Description	Part No.	Qty
1	M4 x 25mm x 0.70mm	MSS125	100
	M4 x 30mm x 0.70mm	MSS130	100
2	M5 x 20mm x 0.80mm	MSS220	100
	M5 x 25mm x 0.80mm	MSS225	100
	M5 x 40mm x 0.80mm	MSS17	100
	M5 x 50mm x 0.80mm	MSS250	100
3	M6 x 16mm x 1.00mm	MSS316	100
	M6 x 20mm x 1.00mm	MSS320	100
	M6 x 25mm x 1.00mm	MSS01	200
		A-MSS01	10
	M6 x 40mm x 1.00mm	MSS02	200
		A-MSS02	10
M6 x 45mm x 1.00mm	MSS12	50	
M6 x 50mm x 1.00mm	MSS350	100	
4	M6 x 20mm x 0.75mm	MSSF320	50
	M6 x 25mm x 0.75mm	MSSF325	50
	M6 x 35mm x 0.75mm	MSSF335	50
5	M7 x 25mm x 1.00mm	MSS425	100
	M7 x 40mm x 1.00mm	MSS10	100
6	M8 x 16mm x 1.25mm	MSS516	100
	M8 x 20mm x 1.25mm	MSS13	100
	M8 x 25mm x 1.25mm	MSS11	100
	M8 x 30mm x 1.25mm	MSS14	100
	M8 x 35mm x 1.25mm	MSS16	100
	M8 x 40mm x 1.25mm	MSS03	100
		A-MSS03	10
	M8 x 50mm x 1.25mm	MSS04	100
		A-MSS04	10
	M8 x 60mm x 1.25mm	MSS15	100
M8 x 75mm x 1.25mm	MSS575	50	
7	M8 x 25mm x 1.00mm	MSSF525	50
	M8 x 30mm x 1.00mm	MSSF530	50
	M8 x 40mm x 1.00mm	MSSF540	50
8	M10 x 25mm x 1.50mm	MSS625	100
	M10 x 27mm x 1.50mm	EMS12	20
	M10 x 35mm x 1.50mm	MSS635	100
	M10 x 40mm x 1.50mm	MSS05	100
		A-MSS05	10
	M10 x 50mm x 1.50mm	MSS06	100
		A-MSS06	10
M10 x 60mm x 1.50mm	MSS680	50	
M10 x 75mm x 1.50mm	MSS675	50	
9	M10 x 40mm x 1.25mm	MSSF640	50
10	M12 x 10mm x 1.50mm	MSS780	100
	M12 x 25mm x 1.75mm	MSS725	100
	M12 x 35mm x 1.75mm	MSS735	100
	M12 x 40mm x 1.75mm	MSS07	100
	M12 x 50mm x 1.75mm	MSS08	50
	M12 x 60mm x 1.75mm	MSS09	50
M12 x 75mm x 1.75mm	MSS775	50	
11	M14 x 40mm x 2.00mm	MSS840	50
	M14 x 75mm x 2.00mm	MSS875	50
12	M16 x 50mm x 2.00mm	MSS950	50
	M16 x 75mm x 2.00mm	MSS975	50

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## IMPERIAL SET SCREWS



Key	Description	Part No.	Qty
1	1/4" UNF x 1/2"	HSS02UNF	200
2	1/4" UNF x 3/4"	HSS03UNF	200
3	1/4" UNF x 1"	HSS04UNF	200
4	1/4" UNF x 1.1/2"	HSS05UNF	200
5	1/4" UNF x 2"	HSS06UNF	200
6	5/16" UNF x 3/4"	HSS07UNF	200
7	5/16" UNF x 1"	HSS08UNF	200
8	5/16" UNF x 1.1/2"	HSS09UNF	200
9	5/16" UNF x 2"	HSS10UNF	100
10	5/16" UNF x 2.1/2"	HSS30UNF	100
11	5/16" UNF x 2.3/4"	HSS31UNF	100
12	5/16" UNF x 3"	HSS12UNF	100
13	3/8" UNF x 1"	HSS13UNF	100
	3/8" UNF x 1.1/2"	HSS15UNF	100
	3/8" UNF x 3"	HSS18UNF	100
14	7/16" UNF x 2"	HSS35UNF	100

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Description	Part No.	Qty
M6 x 75mm x 1.00mm	MHB375	50
M8 x 45mm x 1.25mm	MHB03	100
M8 x 55mm x 1.25mm	MHB04	100
M8 x 65mm x 1.25mm	MHB05	50
M8 x 70mm x 1.25mm	MHB06	50
M8 x 75mm x 1.25mm	MHB07	50
M8 x 90mm x 1.25mm	MHB08	50
M10 x 100mm x 1.50mm	MHB01	50
M12 x 100mm x 1.75mm	MHB710	50

## MANIFOLD BOLTS



Description	Part No.	Qty
M6 x 48mm x 1.00mm Peugeot	EMS42U	1
	EMS42	10
M6 x 60mm x 1.00mm Peugeot	EMS37U	1
	EMS37	20
M6 x 60mm x 1.00mm Peugeot	EMS41U	1
	EMS41	10
M7 x 70mm x 1.00mm Peugeot	EMS43	10
M8 x 25mm x 1.00mm Vauxhall	EMS48	20
M8 x 25mm x 1.25mm Vauxhall	EMS09	20
M8 x 65mm x 1.25mm Rover / Honda	EMS46	1

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Description	Part No.	Qty
M8 x 62mm x 1.25mm Vauxhall	EMS38U	1
	EMS38.10	10
	EMS38	20
M10 x 27mm x 1.50mm Vauxhall	EMS12	20
M10 x 50mm x 1.50mm Ford	EMS10	20
M10 x 52mm x 1.25mm Suzuki	EMS44	1
M10 x 58mm x 1.50mm Vauxhall	EMS24U	1
	EMS24	20
M10 x 65mm x 1.50mm Suzuki	EMS45	1
M10 x 65mm x 1.50mm Ford	EMS08	20
M10 x 74mm x 1.50mm Vauxhall	EMS23U	1
	EMS23	20



## MANIFOLD BOLTS



Description	Part No.	Qty
M10 x 70mm x 1.50mm Ford	EMS39U	1
	EMS39	2
M10 x 80mm x 1.50mm Ford	EMS11	20
M8 x 86mm x 1.00mm Ford	EMS49	1
Pin For EMS49	EMS54	1
Pin & Clip Kit For EMS49	EMS55	1 Kit
M10 x 49mm Sleeve	EMS52	1

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## MANIFOLD STUDS



Description	Part No.	Qty
5/16" UNC/F x 1.1/4" Austin / Rover / MG	EMS34	20
5/16" UNC/F x 1.5/8" Austin / Rover / MG	EMS35	20
5/16" UNC/F x 1.11/16" MGB	EMS04	20
5/16" UNC x 1.11/16" Ford	EMS06	20
5/16" UNF x 1.11/16" Triumph	EMS05	20
3/8" UNC x 1.9/16" Volvo	EMS17	20
3/8" UNC x 1.13/16" Volvo	EMS03	20
3/8" UNF x 1.7/8" Jaguar	EMS36	20
3/8" UNF x 2.3/16" Vauxhall / Chrysler	EMS02	20
M8 x 35mm x 1.25mm Audi / Vauxhall / VW	EMS14	20
M8 x 35mm x 1.25mm Honda	EMS20	20
M8 x 35mm x 1.25mm Audi	EMS25	20
M8 x 37mm x 1.25mm Alfa Romeo / Fiat / Opel / Renault	EMS26	20
M8 x 41mm x 1.25mm Fiat / Porsche	EMS27	20
M8 x 42mm x 1.25mm Renault	EMS28	20

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## MANIFOLD STUDS



Description	Part No.	Qty
M8 x 43mm x 1.25mm Alfa Romeo / Talbot	EMS15	20
M8 x 45mm x 1.25mm Morris / Nissan / Simca	EMS13	20
M8 x 47mm x 1.25mm Nissan	EMS30	20
M8 x 47mm x 1.25mm VW	EMS29	20
M8 x 88mm x 1.25mm Renault	EMS19	20
M10 x 37mm x 1.25mm Toyota	EMS07	20
M10 x 38mm x 1.50mm Ford	EMS22	20
M10 x 39mm x 1.25mm Honda	EMS31	20
M10 x 40mm x 1.50mm Mazda / Volvo	EMS16	20
M10 x 43mm x 1.25mm Honda	EMS21	20
M10 x 46mm x 1.50mm Ford	EMS01	20
M10 x 52mm x 1.50mm Ford	EMS32	20
M10 x 52mm x 1.50mm Peugeot	EMS33	20
M10 x 55mm x 1.50mm Opel / Vauxhall	EMS18	20

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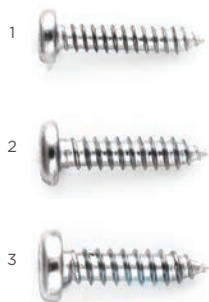
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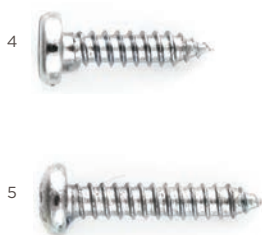
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## PAN HEAD SLOTTED SELF TAPPING SCREWS



Key	Description	Part No.	Qty
1	No. 6 x 3/4"	STS03	200
2	No. 8 x 3/4"	STS05	200
3	No. 10 x 3/4"	A-STS08	50

## PAN HEAD POZI SELF TAPPING SCREWS



Key	Description	Part No.	Qty
4	No. 8 x 1/2"	STS15	200
	No. 8 x 3/4"	STS16	200
5	No. 10 x 3/4"	STS18	200
	No. 10 x 1"	STS23	200

## BLACK FLANGED POZI SELF TAPPING SCREWS



Key	Description	Part No.	Qty
6	No. 6 x 1/2"	STS46	200
	No. 6 x 3/4"	STS47	200
7	No. 8 x 1/2"	STS48	200
	No. 8 x 3/4"	STS49	200
		A-STS49	50
8	No. 10 x 1/2"	STS50	200
	No. 10 x 3/4"	STS51	200
		A-STS51	50

## COUNTERSUNK POZI FLOORBOARD SCREWS



Key	Description	Part No.	Qty
9	No. 14 x 1.3/4"	STS33	100
		STS33T	500
	No. 14 x 2.1/2"	STS54	100

## ROUND HEAD BA SCREWS & NUTS



Key	Description	Part No.	Qty
10	2 BA x 1"	BA101	100
	2 BA x 2"	BA102	100

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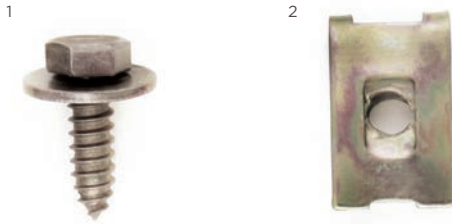
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## ACME BOLTS & FASTENERS



Key	Description	Part No.	Qty
1	No. 14 x 3/4" Acme Bolt	AF23	100
2	Speed Fastener For AF23	AF21	100
	AF21 & AF23 (50 of Each)	AF22	50 Sets

## NUMBER PLATE FIXINGS



Key	Description	Part No.	Qty
1	Black Nylon Screws & Black Nylon Nuts	NP01	100 Sets
2	Yellow Nylon Screws & Black Nylon Nuts	NP02	100 Sets
3	White Nylon Screws & Black Nylon Nuts	NP03	100 Sets
4	Black Caps, Self Tapping Screws & Washers	NP06	100 Sets
5	Yellow Caps, Self Tapping Screws & Washers	NP04	100 Sets
6	White Caps, Self Tapping Screws & Washers	NP05	100 Sets
7	Black Fixed Head 3/4" Self Tapping Screw	NP09	100 Sets
8	Yellow Fixed Head 3/4" Self Tapping Screw	NP08	100 Sets
9	White Fixed Head 3/4" Self Tapping Screw	NP10	100 Sets
10	Black Fixed Head 1" Self Tapping Screw	NP12	100 Sets
11	Yellow Fixed Head 1" Self Tapping Screw	NP11	100 Sets
12	White Fixed Head 1" Self Tapping Screw	NP13	100 Sets

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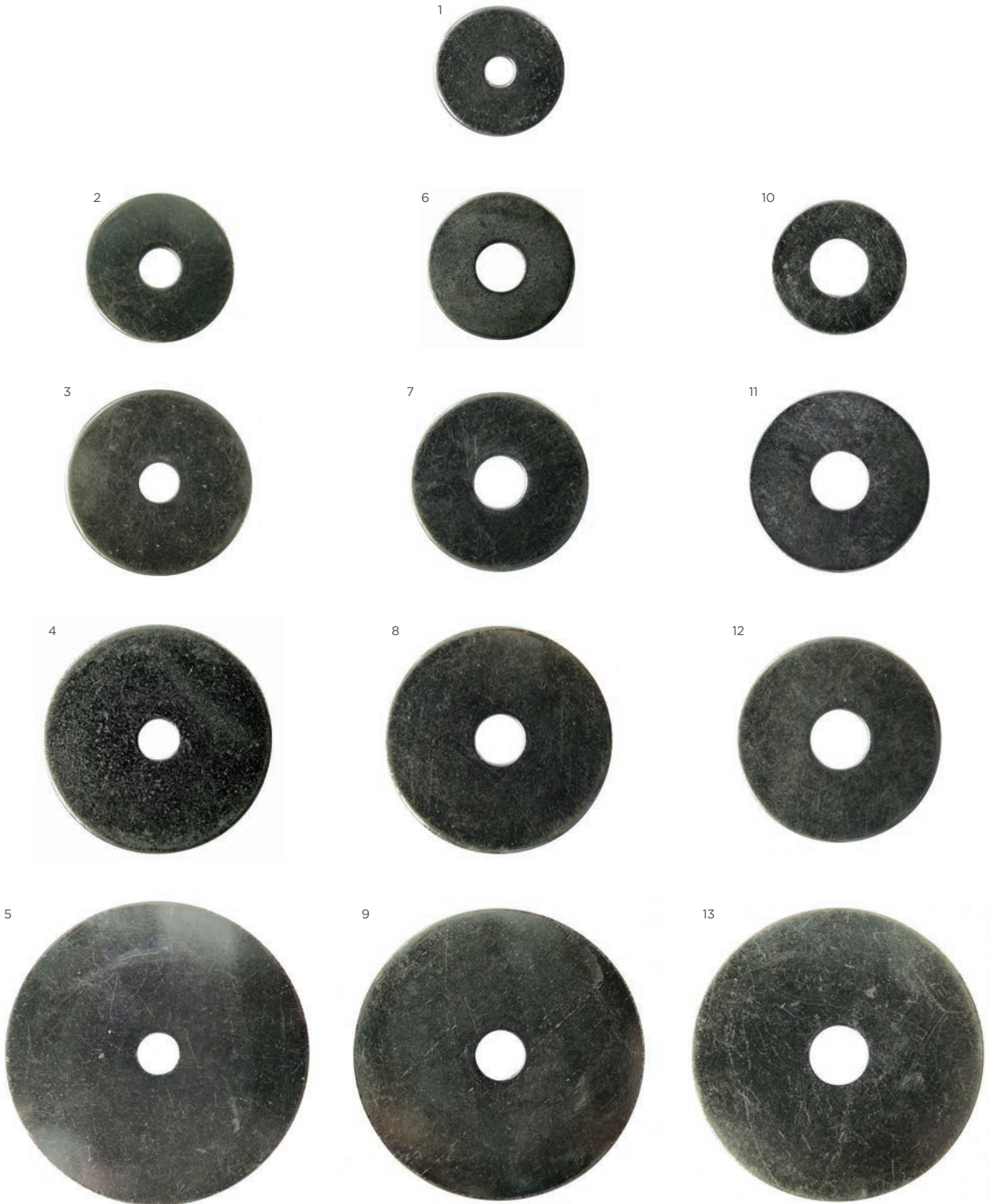
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## REPAIR WASHERS

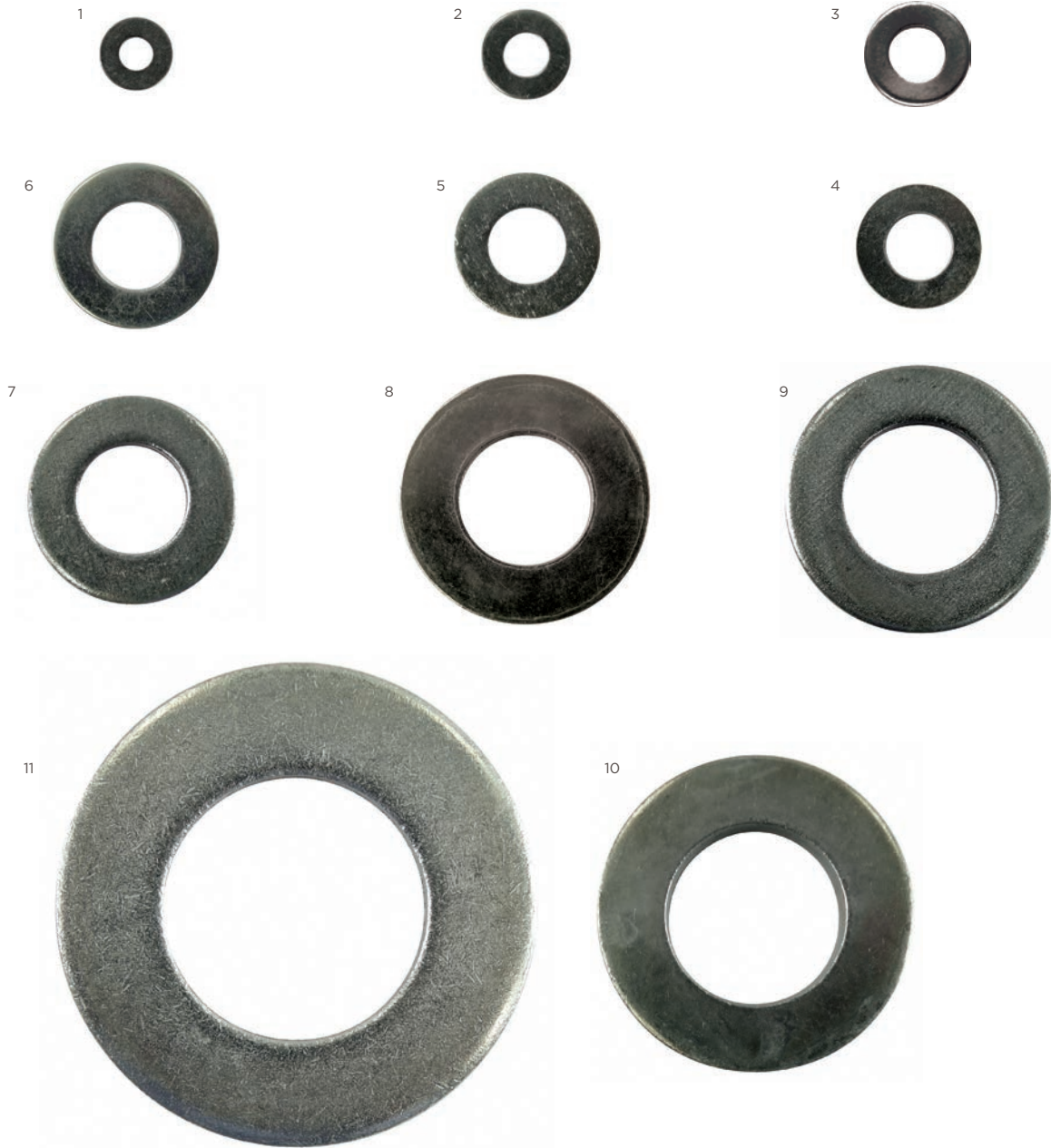


Key	Description	Part No.	Qty
1	3/16" x 1"	RW04	200
2	1/4" x 1"	A-RW01	25
		RW01	200
3	1/4" x 1.1/4"	RW13	100
4	1/4" x 1.1/2"	RW11	100
5	1/4" x 2"	RW15	100
6	5/16" x 1"	A-RW02	25
		RW02	200
7	5/16" x 1.1/4"	RW10	100

Key	Description	Part No.	Qty
8	5/16" x 1.1/2"	A-RW03	25
		RW03	200
9	5/16" x 2"	RW06	100
10	3/8" x 1"	RW12	100
11	3/8" x 1.1/4"	RW14	100
12	3/8" x 1.1/2"	A-RW05	25
		RW05	100
13	3/8" x 2"	RW09	100

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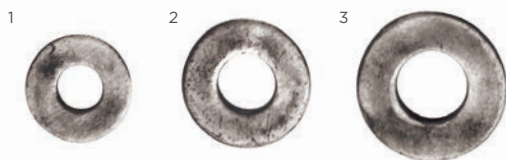
## HD IMPERIAL FLAT WASHERS (TABLE 3)



Key	Description	Part No.	Qty
1	3/16" ID	FW01	500
2	1/4" ID	FW05	400
3	5/16" ID	FW06	400
4	3/8" ID	FW07	400
5	7/16" ID	FW08	200
6	1/2" ID	FW09	200

Key	Description	Part No.	Qty
7	5/8" ID	FW11	200
8	3/4" ID	FW12	100
9	7/8" ID	FW13	100
10	1" ID	FW14	50
11	1 1/2" ID	FW17	10

## HD IMPERIAL FLAT WASHERS (TABLE 4)



Key	Description	Part No.	Qty
1	1/4" ID	FW405	200
2	5/16 ID	FW406	200
3	3/8" ID	FW407	200

## HD METRIC FLAT WASHERS



Key	Description	Part No.	Qty
1	5mm ID	A-FWM01	25
		FWM01	500
2	6mm ID	A-FWM02	25
		FWM02	400
3	8mm ID	A-FWM03	25
		FWM03	400

Key	Description	Part No.	Qty
4	10mm ID	A-FWM04	25
		FWM04	200
5	12mm ID	FWM05	200
6	14mm ID	FWM06	100
7	16mm ID	FWM07	100

## HD METRIC SPRING WASHERS



Key	Description	Part No.	Qty
1	5mm ID	SWM01	400
2	6mm ID	SWM02	400
3	8mm ID	SWM03	400
4	10mm ID	SWM04	300

Key	Description	Part No.	Qty
5	12mm ID	SWM05	300
6	14mm ID	SWM06	100
7	16mm ID	SWM07	100

## HD IMPERIAL SPRING WASHERS



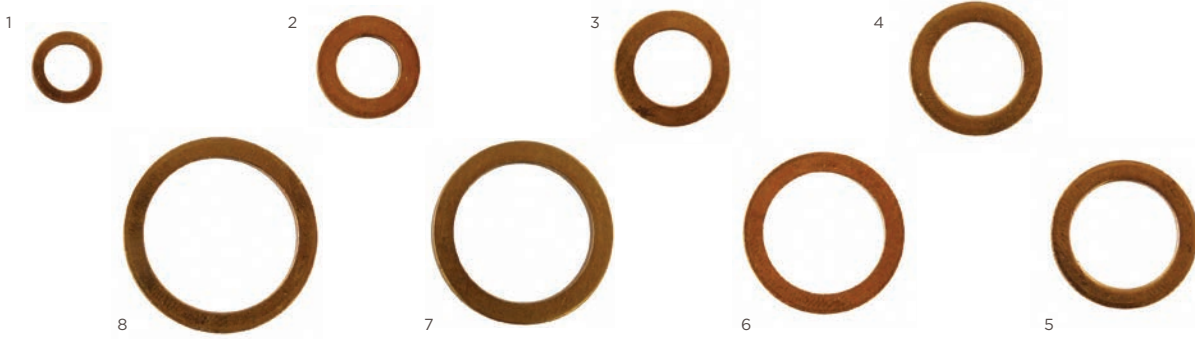
Key	Description	Part No.	Qty
1	3/16" ID	SW01	400
2	1/4" ID	SW02	400
3	5/16" ID	SW03	400
4	3/8" ID	SW04	300

Key	Description	Part No.	Qty
5	7/16" ID	SW05	100
6	1/2" ID	SW06	100
7	5/8" ID	SW08	75

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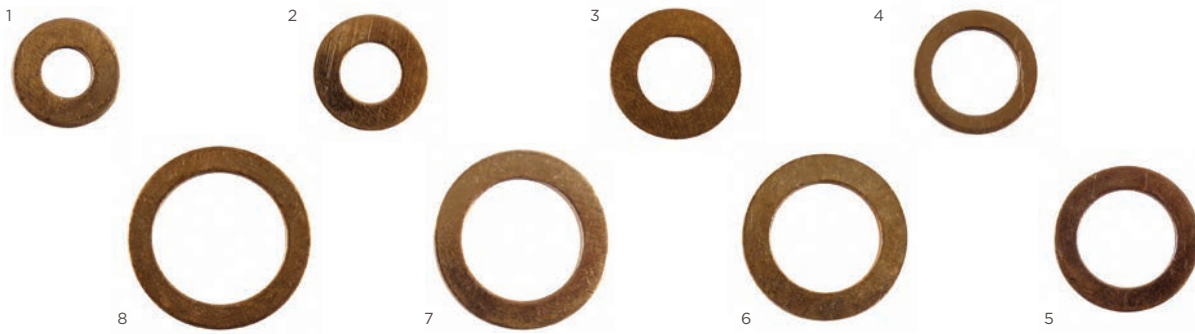
## METRIC COPPER WASHERS



Key	Description	Part No.	Qty
1	6mm ID	A-CWM01	25
2	8mm ID	A-CWM02	25
3	10mm ID	A-CWM03	25
4	12mm ID	A-CWM04	25

Key	Description	Part No.	Qty
5	14mm ID	A-CWM05	25
6	16mm ID	A-CWM06	25
7	18mm ID	A-CWM07	25
8	20mm ID	A-CWM08	25

## IMPERIAL COPPER WASHERS



Key	Description	Part No.	Qty
1	1/4" ID	A-CW01	25
2	5/16" ID	A-CW02	25
3	3/8" ID	A-CW03	25
4	7/16" ID	A-CW04	25

Key	Description	Part No.	Qty
5	1/2" ID	A-CW05	25
6	9/16" ID	A-CW06	25
7	5/8" ID	A-CW07	25
8	11/16" ID	A-CW08	25

## METRIC DOWTY WASHERS



Key	Description	Part No.	Qty
1	10mm ID	A-DWM01	10
2	12mm ID	A-DWM02	10
3	14mm ID	A-DWM03	10
4	16mm ID	A-DWM04	10

Key	Description	Part No.	Qty
5	18mm ID	A-DWM05	10
6	20mm ID	A-DWM06	10
7	22mm ID	A-DWM07	10
8	24mm ID	A-DWM08	10

## IMPERIAL DOWTY WASHERS



Key	Description	Part No.	Qty
1	3/8" ID	A-DW01	10
2	1/2" ID	A-DW02	10
3	5/8" ID	A-DW03	10
4	13/16" ID	A-DW04	10

Key	Description	Part No.	Qty
5	7/8" ID	A-DW05	10
6	1" ID	A-DW06	10
7	1.3/16" ID	A-DW07	10
8	1.5/16" ID	A-DW08	10

## SPLIT PINS



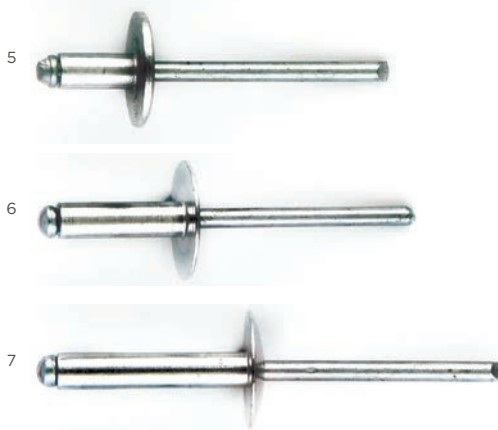
Key	Description	Part No.	Qty
1	1/16" x 1"	SP01	250
2	5/64" x 1"	SP02	250
	5/64" x 1.3/8"	SP14	250
3	3/32" x 1"	SP03	250
	3/32" x 1.1/2"	A-SP04	50
		SP04	250
4	7/64" x 1.1/2"	SP05	250
	7/64" x 1.3/4"	SP15	250
5	1/8" x 1.1/2"	A-SP06	50
		SP06	250
	1/8" x 1.3/4"	SP16	250
6	9/64" x 1.1/2"	A-SP09	25
		SP09	250
	9/64" x 1.3/4"	SP17	250
7	5/32" x 1.5/8"	A-SP07	50
		SP07	250
	5/32" x 1.3/4"	SP18	250
8	3/16" x 2"	SP20	50
		A-SP08	25
9	7/32" x 2.3/4"	SP08	100
		A-SP10	25
10	1/4" x 3"	SP10	100
		SP11	100
11	5/16" x 3"	SP21	100

## ALUMINIUM / 3.5% MAGNESIUM ALLOY - MANDREL - CARBON STEEL BS1473



Key	Description	Part No.	Qty
1	3.2mm x 7.9mm x 4.8mm	PR00	400
	3.2mm x 7.9mm x 4.8mm	PR01	1000
	3.2mm x 9.7mm x 6.4mm	PR02	400
	3.2mm x 9.7mm x 6.4mm	A-PR03	25
2	4.0mm x 10.3mm x 6.4mm	PR12	200
	4.0mm x 10.3mm x 6.4mm	PR13	1000
	4.0mm x 12.1mm x 7.9mm	PR14	200
	4.0mm x 12.1mm x 7.9mm	PR15	1000
3	4.8mm x 12.7mm x 7.9mm	A-PR05	25
	4.8mm x 12.7mm x 7.9mm	PR04	400
	4.8mm x 12.7mm x 7.9mm	PR05	1000
	4.8mm x 16.0mm x 12.0mm	PR06	400
4	4.8mm x 20.0mm x 16.0mm	A-PR08	25
	4.8mm x 20.0mm x 16.0mm	PR08	400
4	6.4mm x 20.0mm x 16.0mm	PR19	250
	6.4mm x 25.0mm x 22.0mm	PR20	250

## LARGE FLANGE - ALUMINIUM / STEEL



Key	Description	Part No.	Qty
5	4.8mm x 10.3mm x 6.4mm	PR09	200
		PR16	500
6	4.8mm x 16.9mm x 12.7mm	A-PR17	25
		PR10	200
		PR17	500
7	4.8mm x 24.8mm x 19.8mm	A-PR18	25
		PR11	200
		PR18	500

## PEEL RIVETS - ALUMINIUM / STEEL

(SUITABLE FOR USE ON CARAVANS OR SOFT BRITTLE MATERIALS, WHERE AN INCREASED SETTING AREA IS REQUIRED)



Key	Description	Part No.	Qty
8	4.8mm x 12mm	PR30	200
	4.8mm x 18mm	PR31	200
	4.8mm x 25mm	PR32	100

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# FIXINGS & 'O' RINGS

## SPEED FASTENERS / CAPTIVE NUTS



Description	Part No.	Qty
For 3/16" Stud Diameter	A-SF06	25
No. 4 - 11.1mm x 7.9mm	A-SF12	25
No. 6 - 16.3mm x 11.1mm	A-SF08	25
No. 8 - 8.8mm x 10.2mm	A-SF14	25
No. 8 - 13.9mm x 12.7mm	A-SF13	25
No. 8 - 14.7mm x 12.7mm	A-SF18	25
No. 10 - 19.8mm x 12.7mm	A-SF05	25
3/16" BSW - 19.8mm x 12.7mm	A-SF17	25

## R-CLIPS



Description	Part No.	Qty
14G x 2.00mm	A-RC01	5
	RC01	50
13G x 2.50mm	A-RC02	5
	RC02	50
10G x 3.00mm	A-RC03	5
	RC03	25
8G x 4.00mm	A-RC04	5
	RC04	25
6G x 5.00mm	A-RC05	5
	RC05	10
3G x 6.00mm	A-RC06	5
	RC06	10

## LINCH PINS



Description	Part No.	Qty
1/4" x 1.3/4"	XPL01	10
5/16" x 1.3/4"	XPL02	10

## METRIC RUBBER O-RINGS



Description	Part No.	Qty
3mm ID	A-ORM01	50
4mm ID	A-ORM02	50
5mm ID	A-ORM03	50
6mm ID	A-ORM04	50
7mm ID	A-ORM05	50
8mm ID	A-ORM06	25
10mm ID x 2.00mm	A-ORM07	25
10mm ID x 2.50mm	A-ORM08	25
11mm ID	A-ORM09	50
12mm ID	A-ORM10	50
14mm ID	A-ORM11	50
16mm ID	A-ORM12	50
17mm ID	A-ORM13	50

Description	Part No.	Qty
19mm ID x 2.50mm	A-ORM14	50
19mm ID x 3.00mm	A-ORM15	50
20mm ID	A-ORM16	50
22mm ID	A-ORM17	25
24mm ID	A-ORM18	25
25mm ID	A-ORM19	25
27mm ID	A-ORM20	25
28mm ID	A-ORM21	25
30mm ID	A-ORM22	25
33mm ID	A-ORM24	25
36mm ID	A-ORM26	25
38mm ID	A-ORM27	25
45mm ID	A-ORM29	25

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# PIPES & TUBES

## COPPER TUBING

- Copper universal tubing
- Suitable for non-pressurised fuel pipe and general engineering use
- Seamless 22 gauge copper tubing conforms to BS2871 Part 2, C106, SF-CU



Description	Part No.	Pack
3/16" OD - 0.71mm Wall Thickness	CUT01	25ft

## KUNIFER BRAKE PIPE

- Suitable for non-pressurised fuel pipe & for OE modifications or replacements on all types of brake & hydraulic lines
- Seamless 90/10 copper-nickel conforms to BS2871 Part 2, CN102
- Guaranteed for life



Description	Part No.	Pack
3/16" OD x 1/8" ID - 0.71mm Wall Thickness	K01	25ft
1/4" OD x 3/16" ID - 0.71mm Wall Thickness	K02	25ft
5/16" OD x 1/4" ID - 0.71mm Wall Thickness	K03	25ft
3/8" OD x 5/16" ID - 0.71mm Wall Thickness	K04	25ft

## PETROL PIPE - PVC BRAIDED

- Synthetic textile reinforcement
- Suitable for non-pressurised parts of fuel injection systems



Description	Part No.	Pack
3/16" ID - Blue	PET01	7.5m
1/4" ID - Red	PET02	7.5m
5/16" ID - Clear	PET03	7.5m
3/8" ID - Yellow	PET04	7.5m

## PETROL PIPE - RUBBER

- Nitrile rubber BS AU108WP
- 200psi working pressure
- 600psi bursting pressure
- Suitable for non-pressurised parts of fuel injection systems



Description	Part No.	Pack
13/32" OD x 3/16" ID	PET06	10m
1/2" OD x 1/4" ID	PET07	10m
9/16" OD x 5/16" ID	PET08	10m

## HEATER HOSE - RUBBER

- Polyester reinforcement
- 85psi working pressure
- 355psi bursting pressure
- Not recommended for drinking water systems



Description	Part No.	Pack
1/2" ID	HH01	15m
5/8" ID	HH02	15m
3/4" ID	HH05	10m

## SEMI RIGID NYLON TUBING

- Suitable for commercial auto-lube systems & factory air lines
- Conforms to BS5409



Description	Part No.	Pack
6.00mm OD - Green	NYF08	15m
6.00mm OD - Black	NYF12	30m
8.00mm OD - Black	NYF13	30m

## WINDSCREEN WASHER TUBING

- Transparent windscreen washer tubing



Description	Part No.	Pack
3.00mm ID	WWT01	15m
5.00mm ID	WWT02	15m
8.00mm ID	WWT04	30m
1/4" ID	WWT03	30m

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## BRASS TUBE COUPLINGS

- Brass tube couplings complete with brass olives
- Suitable for air brakes



Description	Part No.	Pack
4mm	TC08	10
6mm	TC10	10
8mm	TC11	10
10mm	TC12	10
11mm	TC17	10
12mm	TC13	10
14mm	TC14	5
15mm	TC15	5
16mm	TC16	5
5/32"	TC07	10
3/16"	TC02	20
1/4"	TC03	20
5/16"	TC04	20
3/8"	TC05	10
1/2"	TC06	10

## BRASS PUSH-IN TUBE COUPLINGS

- Metric brass push-in couplings suitable for air brakes
- Working pressure 0-10 Bar
- Working Temp -40°C to 100°C
- Working medium air



Description	Part No.	Pack
6mm	TC30	5
8mm	TC31	5
10mm	TC32	3

## SPEEDFIT TUBE COUPLINGS

- These couplings are NOT suitable for use on automotive air brake systems



Description	Part No.	Pack
4mm	TC125	10
5mm	TC126	10
6mm	TC127	10
8mm	TC128	10
10mm	TC129	5
12mm	TC130	5
3/16"	TC102	10
1/4"	TC103	10
5/16"	TC104	10
3/8"	TC105	5
1/2"	TC106	5

## BRASS TUBE COUPLINGS

- These couplings are NOT suitable for use on automotive air brake systems



Description	Part No.	Pack
4mm	TC119	5
5mm	TC120	5
6mm	TC121	5
8mm	TC122	5
10mm	TC123	3
12mm	TC124	3
5/32"	TC107	5
3/16"	TC108	5
1/4"	TC109	5
5/16"	TC110	5
3/8"	TC111	3
1/2"	TC112	3

## BRASS BARREL OLIVES

- Barrel olives
- Metric & imperial



Description	Part No.	Pack
6mm	OL22	50
8mm	OL23	50
10mm	OL25	50
5/32"	OL07	50
3/16"	OL01	50
1/4"	OL02	50
5/16"	OL03	50
3/8"	OL04	50
1/2"	OL05	50
5/8"	OL06	50

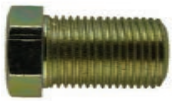
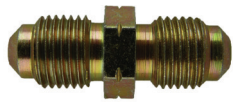
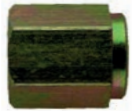
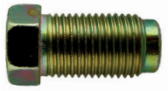
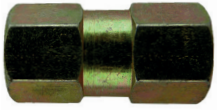
## BRASS STEPPED OLIVES

- Stepped olives
- Metric & imperial



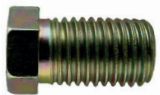
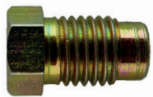
Description	Part No.	Pack
4mm	OL27	50
10mm	OL32	50
3/16"	OL09	50
5/16"	OL11	50
3/8"	OL12	50
1/2"	OL13	50

## 3/16" PIPE - M10 x 1.00mm



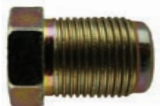
Description	Part No.	Pack
Male Nut Nissan	A-BPU03	10
	BPU03	50
Male Nut Audi / BMW / Mercedes / Renault / Saab	A-BPU05	10
	BPU05	50
Female Connector For BPU05	A-BPU25	5
	BPU25	25
Male Nut Ford / Opel / Vauxhall	BPU20	25
Female Connector Ford / Saab / Volvo	A-BPU08	10
	BPU08	50
Male Connector For BPU08	BPU24	25
Male Nut Japanese	BPU31	25

## 3/16" PIPE - M10 x 1.25mm



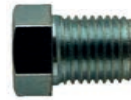
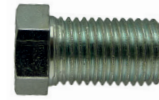
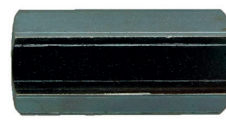
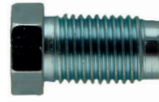
Description	Part No.	Pack
Male Nut Fiat / Lada / Lancia / Seat / Yugo	BPU17	25
Male Nut Mazda / Seat	BPU18	25
Male Nut Honda	BPU22	25

## 3/16" PIPE - M12 x 1.00mm



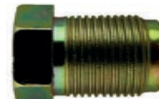
Description	Part No.	Pack
Master Cylinder Male Nut Ford	BPU26	25

## 3/16" PIPE - 3/8" UNF x 24TPI



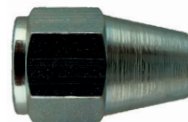
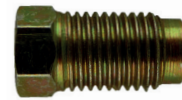
Description	Part No.	Pack
Male Nut Mini / Escort / Saab / Avenger	A-BPU01	10
	BPU01	50
Female Connector For BPU01	A-BPU06	5
	BPU06	25
Male Nut	BPU19	25
Male Nut Volvo	A-BPU21	5
	BPU21	25
Male Connector Suitable For BPU04	BPU07	25
Female Nut Mini / Escort / Saab / Avenger	A-BPU04	10
	BPU04	50

## 1/4" PIPE - M12 x 1.00mm



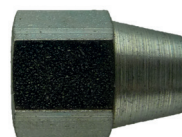
Description	Part No.	Pack
Master Cylinder Male Nut Ford	BPU23	25

## 1/4" PIPE - 7/16" x 20TPI



Description	Part No.	Pack
Male Nut	BPU09	50
Female Nut	BPU10	50

## 5/16" PIPE - 1/2" UNF x 20TPI



Description	Part No.	Pack
Male Nut	BPU11	25
Female Nut	BPU12	25

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## 3 & 4 WAY BRAKE PIPE UNIONS



Description	Part No.	Pack
3 Way - 3/8" x 24TPI	BPU27	1
4 Way - 3/8" x 24TPI	BPU29	1
3 Way - M10 x 1.00mm	BPU28	1
4 Way - M10 x 1.00mm	BPU30	1

## BRAKE BLEED SCREWS



Description	Part No.	Pack
1/4" UNF x 28TPI	BBS03	25
3/8" UNF x 24TPI	BBS02	25
M7 x 1.00mm - Renault / VW	BBS04	25
M8 x 1.25mm - Fiat	BBS06	25
M10 x 1.00mm - Ford	BBS01	25
M10 x 1.00mm - Ford (35mm Long)	BBS05	25

## GREASE NIPPLES

Batch tested to 8000 psi. Head shaped to Form 'A' BS 1486



Description	Part No.	Pack
M6 x 1.00mm	GN19	50
M8 x 1.00mm	GN21	50
M8 x 1.25mm	GN22	50
M10 x 1.00mm	GN25	50
M6 x 1.00mm Angle	GN20	50
M8 x 1.00mm Angle	GN23	50
M8 x 1.25mm Angle	GN24	50
M10 x 1.00mm Angle	GN26	50
1/4" UNF	GN01	50
1/8" Gas	GN03	50
1/4" UNF Angle	GN04	50
1/8" Gas Angle	GN06	50

# JUBILEE® HOSE & CV BOOT CLIPS

## JUBILEE® WORM DRIVE HOSE CLIPS

Jubilee® Clips were manufactured as the first worm drive hose clamp in 1921, the company held the first patent for worm drive hose clips and has been manufacturing hose clips in Great Britain ever since and the name Jubilee® Clip remains a registered trademark throughout the world.

Like most inventors, Commander Lumley Robinson invented the original Jubilee® worm drive hose clip because he saw a way to make something better. It was a simple motivation and remains the motivation for our highly skilled engineers today. That is why Jubilee® Clips are manufactured to the very highest standards, using only premium grade materials.

We have a good reputation for high quality and know that we have to work hard to maintain that. We know that it is important that our products are recognised to achieve certain standards and requirements so that Jubilee® Clips can be proven to be safe, durable and reliable in any clamping conditions required by our customers.



Size	BS No.5315	Range (mm)	Part No.	Pack	Part No.	Pack	Size
OOO	12	9.5 - 12	HCJ01	50	HCJ50	10	OOO
MOO	16	11 - 16	HCJ00	50	HCJ51	10	MOO
OO	20	13 - 20	HCJ02	50	HCJ52	10	OO
O	22	16 - 22	HCJ03	50	HCJ53	10	O
OX	25	18 - 25	HCJ13	40	HCJ54	10	OX
1A	30	22 - 30	HCJ05	40	HCJ55	10	1A
1	35	25 - 35	HCJ04	40	HCJ56	10	1
1X	40	30 - 40	HCJ06	40	HCJ57	10	1X
1M	45	32 - 45	HCJ16	20			1M
2A	50	35 - 50	HCJ11	20	HCJ58	10	2A
2	55	40 - 55	HCJ07	20	HCJ59	10	2
2X	60	45 - 60	HCJ08	20			2X
3	70	55 - 70	HCJ09	20			3
3X	80	60 - 80	HCJ14	20			3X
4	90	70 - 90	HCJ12	20			4
4X	100	85 - 100	HCJ15	10			4X
5	120	90 - 120	HCJ100	10			5

## JUBILEE® HOSE CLIP PACKS



Description	Part No.	Pack
Hose Clip Handy Pack Ten popular sizes in a handy and adaptable sales promoter.	HCJ60	100
Hose Clip Rack Ten popular sizes on a counter standing or wall mountable rack & includes worm drive tool.	HCR01	100

## JUBILEE® HOSE CLIP ASSORTMENTS

Description	Part No.	Pack
Assorted Small Size Hose Clips	HCJ10	50
Assorted Large Size Hose Clips	HCJ30	50

## JUBILEE® HOSE CLIP TOOL

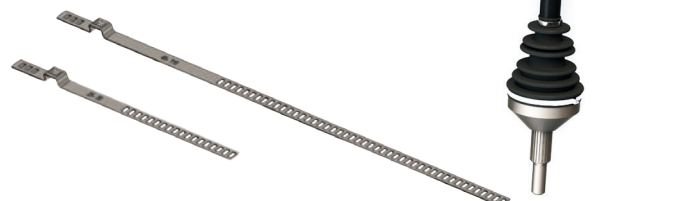


Description	Part No.	Pack
Flexible Worm Drive Hose Clip Tool	HCT01	1

## JUBILEE® CV BOOT CLIP KIT

- Specifically designed clips to secure rubber bellows to CV joints
- Helps to protect the CV joint from dirt & water
- Helps to prevent lubricants from leaking from the CV joint
- Easy to use - simply shape, interlock & crimp
- Manufactured in 304 stainless steel
- Corrosion resistant

Kit contains:  
5 x 25-50mm clips  
10 x 40-110mm clips



Description	Part No.	Pack
CV Boot Clip Kit	CVC01	15 Clips

# HOSE CLIPS & HOSE REPAIRS

## HOSE CLIPS - STANDARD WORM DRIVE

Size	BS No.5315	Range (mm)	Part No.	Pack
OOO	12	9.5 - 12	HC101	100
MOO	16	11 - 16	HC102	100
OO	20	13 - 20	HC103	100
O	22	16 - 22	HC104	100
OX	25	18 - 25	HC105	100
1A	30	22 - 30	HC106	100
1	35	25 - 35	HC107	100
1X	40	30 - 40	HC108	100
1M	45	32 - 45	HC109	50
2A	50	35 - 50	HC110	50
2	55	40 - 55	HC111	50
2X	60	45 - 60	HC112	50
3	70	55 - 70	HC113	50
3X	80	60 - 80	HC114	50
4	90	70 - 90	HC115	50
4X	100	85 - 100	HC116	50
5	120	90 - 120	HC117	50
6	140	110-140	HC118	50
7	160	130-160	HC119	50

## HOSE CLIPS - STANDARD WORM DRIVE

- Zinc plated mild steel
- Ideal for use on low and high pressure hose applications
- The none perforated band eliminates any risk of damage to the hose, and all sizes close to a perfect circle ensuring maximum sealing efficiency



Clamping Range	Part No.	Pack
8.0mm - 10.0mm	HCS09	20
9.0mm - 11.0mm	HCS10	20
9.0mm - 12.0mm	HCS11	20
11.0mm - 13.0mm	HCS12	20
13.0mm - 14.0mm	HCS13	20

## HOSE CLIPS - MICROFLEX

- Stainless steel band with zinc plated mild steel housing and screw



Clamping Range	Part No.	Pack
7.0mm - 11.0mm	HC20	20
11.0mm - 19.0mm	HC21	20

## HOSE CLIPS - PLASTIC

- Can be fitted after the hose is in position, be easily undone & re-used time & again
- None corrosive & unaffected by oils, greases, detergents, petrol, benzine, strong alkalis & most organic solvents
- Temperature range is -50°C to 95°C continuous



Clamping Range	Part No.	Pack
8.7mm - 10.0mm	HF01	20
10.8mm - 12.3mm	HF02	20
13.7mm - 15.3mm	HF03	20
15.0mm - 16.8mm	HF04	20

## 'O' CLIPS

- Steel zinc plated / clear passivated



Clamping Range	Part No.	Pack
7.0mm - 9.5mm (3/8")	OC01	25
9.0mm - 11.0mm (7/16")	OC02	25
11.0mm - 13.0mm (1/2")	OC03	25
13.0mm - 15.0mm (9/16")	OC04	25
15.0mm - 18.0mm (5/8")	OC05	25
17.0mm - 20.0mm (3/4")	OC06	25
20.0mm - 23.0mm (7/8")	OC08	25
22.0mm - 25.0mm (15/16")	OC07	25
25.0mm - 28.0mm (1")	OC09	25

Description	Part No.	Pack
'O' Clip Pliers	OCP	1

## HOSE MENDERS

- High quality hose menders
- Fix split or leaking hoses



Description	Part No.	Pack
5.5mm / 7/32"	A-HM02	5
	HM02	10
8.0mm / 5/16"	A-HM03	5
	HM03	10
9.5mm / 3/8"	A-HM04	5
	HM04	10
13.0mm / 1/2"	A-HM05	5
	HM05	10
16.0mm / 5/8"	A-HM06	5
	HM06	10
19.0mm / 3/4"	HM07	10

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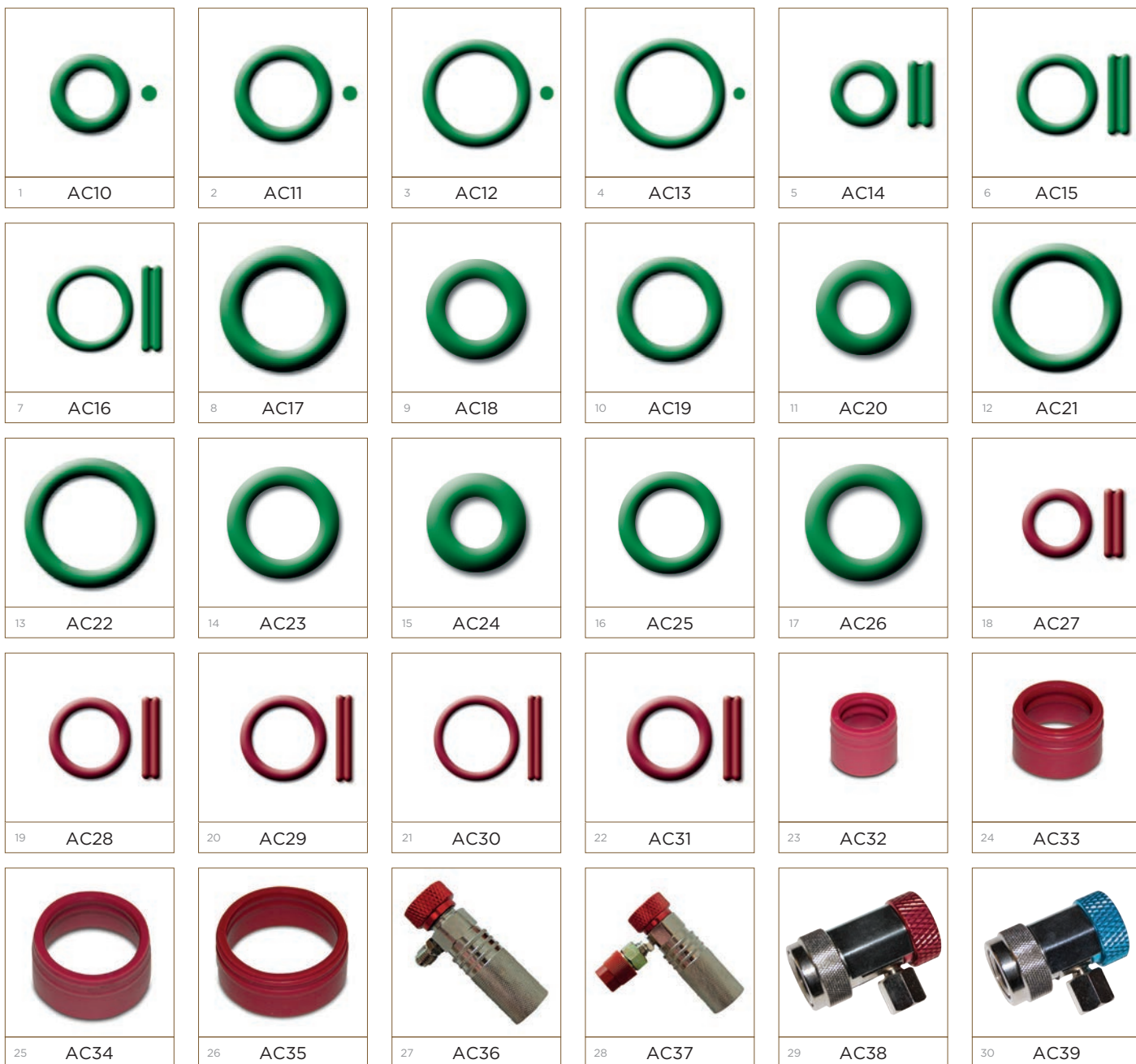
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# AIR CON SERVICE CONSUMABLES

## A/C SERVICE CONSUMABLES



Key	Description	Part No.	Qty
1	O-Ring - No. 6	AC10	10
2	O-Ring - NO. 8	AC11	10
3	O-Ring - No. 10	AC12	10
4	O-Ring - No. 12	AC13	10
5	O-Ring - Double Lip 8mm Green	AC14	10
6	O-Ring - Double Lip 13mm Green	AC15	10
7	O-Ring - Double Lip 16mm Green	AC16	10
8	O-Ring - 4258 Nippon Denso G8 10.6 x 2.4 Green	AC17	10
9	O-Ring - Nippon Denso G6	AC18	10
10	O-Ring - 4260 8.92 x 1.83 Green	AC19	10
11	O-Ring - 4261 4.8 x 1.5 Green EPDM	AC20	10
12	O-Ring - 4262 Harrison V5/A6 20.22 x 3.53 Green	AC21	10
13	O-Ring - 4263 Nippon Denso 13.5 x 2.4 Green	AC22	10
14	O-Ring - 4264 8 x 2 Green	AC23	10
15	O-Ring - 4265 Nippon Denso Equal 4.47 x 1.78	AC24	10

Key	Description	Part No.	Qty
16	O-Ring - 4266 8.75 x 1.78 Green	AC25	10
17	O-Ring - 4267 Press. F 6.07 x 1.78 Green	AC26	10
18	O-Ring - Double 8mm PO Brown Citroen / Peugeot	AC27	10
19	O-Ring - Double 6460 P1 Brown Citroen / Peugeot	AC28	10
20	O-Ring - Double Renault 13mm	AC29	10
21	O-Ring - Double Renault 16mm	AC30	10
22	O-Ring - Double Renault 11mm	AC31	10
23	O-Ring Sleeve Gasket - Size 6	AC32	5
24	O-Ring Sleeve Gasket - Size 8	AC33	5
25	O-Ring Sleeve Gasket - Size 10	AC34	5
26	O-Ring Sleeve Gasket - Size 12	AC35	5
27	R134a Coupler High Side Long R/A 1/4 Male	AC36	1
28	R134a Coupler High Side Long R/A & Port	AC37	1
29	R1234yf Coupler High 12mm Female x 17mm	AC38	1
30	R1234yf Coupler Low 12mm Female x 14mm	AC39	1

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# AIR CON SERVICE CONSUMABLES

## A/C SERVICE CONSUMABLES



Key	Description	Part No.	Qty
1	R134a Couplers 1/4 90° Pair (High & Low)	AC40	1 Pair
2	R134a Couplers 1/4 90° - Low	AC41	1
3	R134a Couplers 1/4 90° - High	AC42	1
4	R134a Quick Coupler RH Low	AC43	1
5	R134a Quick Coupler RH High	AC44	1
6	High To Low Adapter R134a Quick Coupler 90°	AC45	1
7	R134a Quick Coupler Straight Low	AC46	1
8	R134a Quick Coupler Straight High	AC47	1
9	R134a High To Low Adapter Quick Coupler Straight	AC48	1
10	Adapter M14 Male x 1/4" SAE	AC49	1
11	Access Fitting 1/8" Npt x 1/4" Valve	AC50	1
12	Adapter 1/2" Acme Male x 1/4" Female	AC51	1
13	Adapter 1/2" Acme Female x 1/4" Male	AC52	1
14	Adapter 1/4" Male x 1/4" Female	AC53	1

Key	Description	Part No.	Qty
15	R134a Port Converter Low 1/4"	AC54	1
16	R134a Port Converter High 1/4"	AC55	1
17	R134a Port Converter High 3/16"	AC56	1
18	Retro 1/4" 90° Low Side Port Converter	AC57	1
19	Retro 1/4" 90° High Side Port Converter	AC58	1
20	Retro 3/16" 90° High Side Port Converter	AC59	1
21	R134a Aluminium Service Valve Low Side M10 x 1.25	AC60	1
22	R134a Aluminium Service Valve High Side M12 x 1.5	AC61	1
23	R134a Steel Service Valve Low Side M13 x 1	AC62	1
24	R134a Steel Service Valve High Side M15 x 1	AC63	1
25	R134a Aluminium Service Valve Low Side M13 x 1	AC64	1
26	R134a Aluminium Service Valve High Side M15 x 1	AC65	1
27	Sight Glass Moisture Indicator 1/4" x 1/4"	AC66	1

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# AIR CON SERVICE CONSUMABLES

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Key	Description	Part No.	Qty
1	Valve Core High Flow M8 - Peugeot / Volvo	AC70	20
2	Valve Core JRA High Flow R134a	AC71	20
3	Standard Valve Core R12 / R134a	AC72	30
4	Valve Core R12 / R134a High Flow M8 - GM	AC73	5
5	Valve Core R134a High Flow M8	AC74	5
6	Valve Core R134a High Flow M10	AC75	5
7	Service Port Cap R134a Blue - Low Side	AC76	1
8	Service Port Cap R134a Red - High Side	AC77	1
9	Valve Cap Low Side M9 x 1.0 Blue	AC78	10
10	Valve Cap High Side Cap M10 Red	AC79	10
11	Valve Cap 1/4" Black	AC80	10
12	Valve Cap 3/16" Black	AC81	10
13	Valve Cap High Side 16mm Red	AC82	10
14	Valve Cap Low Side 13mm Blue	AC83	10
15	Valve Cap Low Side M9 X 1.0 Blue	AC84	10

Key	Description	Part No.	Qty
16	Valve Cap High Side M10 X1.25 Blue	AC85	10
17	Standard Spring Lock Set - Set of 4	AC86	1 Set
18	Spring Lock Set - GM - Set of 2	AC87	1 Set
19	Spring Lock Set - VW-Audi - Set of 2	AC88	1 Set
20	Toyota Spring Lock Tool	AC89	1
21	Low Side Springlock Tool - Mercedes	AC90	1
22	Low Side Springlock Tool - Smart	AC91	1
23	High Side Springlock Tool - Mercedes	AC92	1
24	Cylinder Adapter 21.8-14 x 1/4 FL	AC93	1
25	Cylinder Adapter 21.8-14 x R134a High	AC94	1
26	Fin Comb Set	AC95	1 Set

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# TERMINALS - RED

## FEMALE PUSH ON CONNECTORS

- Female push-on connectors
- Cable 0.5 - 1.5mm<sup>2</sup>



Description	Part No.	Pack
2.8mm Female Push On Connector	A-ET29	10
	ET29	100
4.8mm Female Push On Connector	A-ET30	10
	ET30	100
6.3mm Female Push On Connector	A-ET08	10
	ET08	100
2.8mm Female Fully Insulated Connector	ET110	100
4.8mm Female Fully Insulated Connector	ET82	50
6.3mm Female Fully Insulated Connector	A-ET32	10
	ET32	100

## FEMALE PIGGY BACK CONNECTORS

- Female piggybacks
- Cable 0.5 - 1.5mm<sup>2</sup>



Description	Part No.	Pack
6.3mm Piggy Back Connector	A-ET81	10
	ET81	100

## MALE PUSH ON CONNECTORS

- Male push-on connectors
- Cable 0.5 - 1.5mm<sup>2</sup>



Description	Part No.	Pack
6.3mm Male Push On Connector	A-ET50	10
	ET50	100
6.3mm Male Fully Insulated Connector	ET231	10

## MALE BULLET CONNECTORS

- Male bullets
- Cable 0.5 - 1.5mm<sup>2</sup>



Description	Part No.	Pack
4.0mm Male Bullet	A-ET44	10
	ET44	100

## FEMALE RECEPTACLE SOCKET

- Female receptacle sockets
- Cable 0.5 - 1.5mm<sup>2</sup>



Description	Part No.	Pack
4.0mm Female Receptacle Socket	A-ET45	10
	ET45	100

## BUTT CONNECTORS

- Butt connectors
- Cable 0.5 - 1.5mm<sup>2</sup>



Description	Part No.	Pack
4.0mm Butt Connector	A-ET13	10
	ET13	100

## FORK CONNECTORS

- Fork connectors
- Cable 0.5 - 1.5mm<sup>2</sup>



Description	Part No.	Pack
3.7mm Fork Connector	ET18	100
5.3mm Fork Connector	ET80	100

## BLADE CONNECTORS

- Blade connectors
- Cable 0.5 - 1.5mm<sup>2</sup>



Description	Part No.	Pack
2.3mm x 18mm Blade	ET56	50

## WIRE PIN CONNECTORS

- Wire pin connectors
- Cable 0.5 - 1.5mm<sup>2</sup>



Description	Part No.	Pack
1.9mm x 12mm Wire Pin	ET98	50

## RING TERMINALS

- Ring terminals
- Cable 0.5 - 1.5mm<sup>2</sup>



Description	Part No.	Pack
6BA - 3.2mm Ring Terminal	ET232	100
4BA - 3.7mm Ring Terminal	ET04	100
2BA - 5.3mm Ring Terminal	ET64	100
6.4mm Ring Terminal	ET95	100
8.4mm Ring Terminal	ET233	100
10.5mm Ring Terminal	ET234	100

## ASSORTED RED TERMINALS

See Page 91



Description	Part No.	Pack
Assorted Insulated Terminals - Red	ATM001	260

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## FEMALE PUSH ON CONNECTORS

- Female push-on connectors
- Cable 1.5 - 2.5mm<sup>2</sup>



Description	Part No.	Pack
4.8mm Female Push On Connector	ET33	100
6.3mm Female Push On Connector	A-ET09	10
	ET09	100
4.8mm Female Fully Insulated Connector	ET235	100
6.3mm Female Fully Insulated Connector	A-ET27	10
	ET27	100

## FEMALE PIGGY BACK CONNECTORS

- Female piggybacks
- Cable 1.5 - 2.5mm<sup>2</sup>



Description	Part No.	Pack
6.3mm Piggy Back Connector	A-ET12	10
	ET12	100

## MALE PUSH ON CONNECTORS

- Male push-on connectors
- Cable 1.5 - 2.5mm<sup>2</sup>



Description	Part No.	Pack
6.3mm Male Push On Connector	A-ET20	10
	ET20	100

## MALE BULLET CONNECTORS

- Male bullets
- Cable 1.5 - 2.5mm<sup>2</sup>



Description	Part No.	Pack
5.0mm Male Bullet	A-ET21	10
	ET21	100

## FEMALE RECEPTACLE SOCKET

- Female Receptacle Sockets
- Cable 1.5 - 2.5mm<sup>2</sup>



Description	Part No.	Pack
5.0mm Female Receptacle Socket	A-ET23	10
	ET23	100

## BUTT CONNECTORS

- Butt connectors
- Cable 1.5 - 2.5mm<sup>2</sup>



Description	Part No.	Pack
4.5mm Butt Connector	A-ET14	10
	ET14	100

## FORK CONNECTORS

- Fork connectors
- Cable 1.5 - 2.5mm<sup>2</sup>



Description	Part No.	Pack
3.5mm Fork Connector	ET83	100
5.0mm Fork Connector	ET19	100

## BLADE CONNECTORS

- Blade connectors
- Cable 1.5 - 2.5mm<sup>2</sup>



Description	Part No.	Pack
2.3mm x 18mm Blade	ET236	100

## WIRE PIN CONNECTORS

- Wire pin connectors
- Cable 1.5 - 2.5mm<sup>2</sup>



Description	Part No.	Pack
1.9mm x 12mm Wire Pin	ET17	100

## RING TERMINALS

- Ring terminals
- Cable 1.5 - 2.5mm<sup>2</sup>



Description	Part No.	Pack
6BA - 3.2mm Ring Terminal	ET237	100
4BA - 3.7mm Ring Terminal	ET238	100
2BA - 5.3mm Ring Terminal	A-ET05	10
	ET05	100
6.4mm Ring Terminal	A-ET43	10
	ET43	100
8.4mm Ring Terminal	A-ET59	10
	ET59	100
10.5mm Ring Terminal	ET239	100
13.0mm Ring Terminal	ET240	100

## ASSORTED BLUE TERMINALS

See Page 91



Description	Part No.	Pack
Assorted Insulated Terminals - Blue	ATM002	280

# TERMINALS - YELLOW & HEAT SHRINK

## FEMALE PUSH ON CONNECTORS

- Female push-on connectors
- Cable 4.0 - 6.0mm<sup>2</sup>



Description	Part No.	Pack
6.3mm Female Push On Connector	A-ET10	10
	ET10	100
9.5mm Female Push On Connector	A-ET11	10
	ET11	100
6.3mm Female Fully Insulated Connector	ET34	100
9.5mm Female Fully Insulated Connector	ET241	50

## MALE PUSH ON CONNECTORS

- Male push-on connectors
- Cable 4.0 - 6.0mm<sup>2</sup>



Description	Part No.	Pack
6.3mm Male Push On Connector	ET84	50

## BUTT CONNECTORS

- Butt connectors
- Cable 4.0 - 6.0mm<sup>2</sup>



Description	Part No.	Pack
6.8mm Butt Connector	ET15	100

## WIRE PIN CONNECTORS

- Wire pin connectors
- Cable 4.0 - 6.0mm<sup>2</sup>



Description	Part No.	Pack
2.7mm x 14mm Wire Pin	ET99	50

## RING TERMINALS

- Ring terminals
- Cable 4.0 - 6.0mm<sup>2</sup>



Description	Part No.	Pack
2BA - 5.3mm Ring Terminal	ET25	100
OBA - 6.4mm Ring Terminal	ET06	100
8.4mm Ring Terminal	A-ET07	10
	ET07	100
10.5mm Ring Terminal	ET28	100
13.0mm Ring Terminal	ET46	100

## ASSORTED YELLOW TERMINALS See Page 91



Description	Part No.	Pack
Assorted Insulated Terminals - Yellow	ATM003	110

## FEMALE PUSH ON H/S CONNECTORS - YELLOW

- Female push-on connectors
- Adhesive lined
- Cable 4.0 - 6.0mm<sup>2</sup>



Description	Part No.	Pack
6.3mm Female Push On Connector	ET148	25

## MALE PUSH ON H/S CONNECTORS - YELLOW

- Male push-on connectors
- Adhesive lined
- Cable 4.0 - 6.0mm<sup>2</sup>



Description	Part No.	Pack
6.3mm Male Push On Connector	ET149	25

## H/S BUTT CONNECTORS - YELLOW

- Butt connectors
- Adhesive lined
- Cable 4.0 - 6.0mm<sup>2</sup>



Description	Part No.	Pack
3.7mm Butt Connector	ET72	50

## H/S FORK CONNECTORS - YELLOW

- Fork connectors
- Adhesive lined
- Cable 4.0 - 6.0mm<sup>2</sup>



Description	Part No.	Pack
4.3mm Fork Connector	ET145	25
5.3mm Fork Connector	ET146	25
6.4mm Fork Connector	ET147	25

## H/S RING TERMINALS - YELLOW

- Ring terminals
- Adhesive lined
- Cable 4.0 - 6.0mm<sup>2</sup>



Description	Part No.	Pack
4.3mm Ring Terminal	ET140	25
5.3mm Ring Terminal	ET141	25
6.4mm Ring Terminal	ET142	25
8.4mm Ring Terminal	ET143	25
10.5mm Ring Terminal	ET144	25

# TERMINALS - HEAT SHRINK

## FEMALE PUSH ON H/S CONNECTORS - RED

- Female push-on connectors
- Adhesive lined
- Cable 0.5 - 1.5mm<sup>2</sup>



Description	Part No.	Pack
6.3mm Female Push On Connector	ET137	25

## FEMALE PUSH ON H/S CONNECTORS - BLUE

- Female push-on connectors
- Adhesive lined
- Cable 0.5 - 1.5mm<sup>2</sup>



Description	Part No.	Pack
6.3mm Female Push On Connector	ET130	25

## MALE PUSH ON H/S CONNECTORS - RED

- Male push-on connectors
- Adhesive lined
- Cable 0.5 - 1.5mm<sup>2</sup>



Description	Part No.	Pack
6.3mm Male Push On Connector	ET138	25

## MALE PUSH ON H/S CONNECTORS - BLUE

- Male push-on connectors
- Adhesive lined
- Cable 1.5 - 2.5mm<sup>2</sup>



Description	Part No.	Pack
6.3mm Male Push On Connector	ET131	25

## H/S BUTT CONNECTORS - RED

- Butt connectors
- Adhesive lined
- Cable 0.5 - 1.5mm<sup>2</sup>



Description	Part No.	Pack
3.7mm Butt Connector	ET71	50

## H/S BUTT CONNECTORS - BLUE

- Butt connectors
- Adhesive lined
- Cable 1.5 - 2.5mm<sup>2</sup>



Description	Part No.	Pack
3.7mm Butt Connector	ET70	50

## H/S FORK CONNECTORS - RED

- Fork connectors
- Adhesive lined
- Cable 0.5 - 1.5mm<sup>2</sup>



Description	Part No.	Pack
4.3mm Fork Connector	ET135	25
5.3mm Fork Connector	ET136	25

## H/S FORK CONNECTORS - BLUE

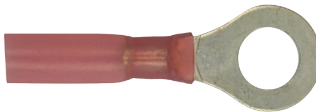
- Fork connectors
- Adhesive lined
- Cable 1.5 - 2.5mm<sup>2</sup>



Description	Part No.	Pack
4.3mm Fork Connector	ET128	25
5.3mm Fork Connector	ET129	25

## H/S RING TERMINALS - RED

- Ring terminals
- Adhesive lined
- Cable 0.5 - 1.5mm<sup>2</sup>



Description	Part No.	Pack
4.3mm Ring Terminal	ET132	25
5.3mm Ring Terminal	ET133	25
6.4mm Ring Terminal	ET134	25

## H/S RING TERMINALS - BLUE

- Ring terminals
- Adhesive lined
- Cable 1.5 - 2.5mm<sup>2</sup>



Description	Part No.	Pack
4.3mm Ring Terminal	ET244	25
5.3mm Ring Terminal	ET245	25
6.4mm Ring Terminal	ET246	25
8.4mm Ring Terminal	ET247	25

TOOLS & EQUIPMENT

TYRE SHOP & TPMS

AUTOMOTIVE

WORKSHOP ASSORTMENTS

FASTENERS

TUBING & REPAIR

ELECTRICAL

CHEMICALS

CLEANING & SAFETY

INDEX

# TERMINALS & CONNECTORS

## CONNECTORS & BULLETS

- Brass terminal connectors



Description	Part No.	Pack
Single Brass Terminal Connector	ET01	50
Double Brass Terminal Connector	ET02	50

- Brass bullets



Description	Part No.	Pack
Brass Bullet Crimp Terminal	ET26	200

## UNINSULATED TERMINALS



Description	Part No.	Pack
6.3mm Male Push On Terminal	ET87	100
6.3mm Female Flag Terminal	ET89	100

## HEAVY DUTY RING TERMINALS



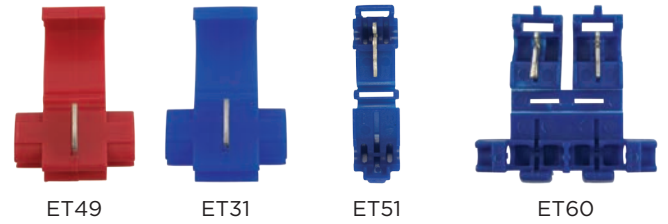
Description	Part No.	Pack
OBA - 16mm <sup>2</sup> Ring Terminal	ET35	20
5/16" - 16mm <sup>2</sup> Ring Terminal	ET36	20
5/16" - 25mm <sup>2</sup> Ring Terminal	ET37	20
3/8" - 35mm <sup>2</sup> Ring Terminal	ET38	10
3/8" - 50mm <sup>2</sup> Ring Terminal	ET39	10
1/2" - 50mm <sup>2</sup> Ring Terminal	ET40	10

## STRIP CONNECTORS



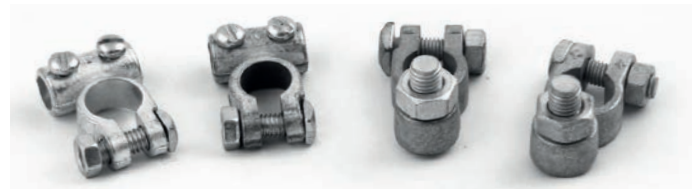
Description	Part No.	Pack
5 Amp PVC Insulated Strip Connector	ET41	10
15 Amp PVC Insulated Strip Connector	ET42	10
30 Amp PVC Insulated Strip Connector	ET63	5

## SNAP-LOCK CONNECTORS



Description	Part No.	Pack
Red Snap-Lock Connector - Tapping Off Main Cable (0.65-2.00mm <sup>2</sup> Main Cable / 0.65-2.00mm <sup>2</sup> Tap Cable)	A-ET49	10
	ET49	100
Blue Snap-Lock Connector - Tapping Off Main Cable (0.65-2.00mm <sup>2</sup> Main Cable / 0.65-2.00mm <sup>2</sup> Tap Cable)	A-ET31	10
	ET31	100
Blue Snap-Lock Connector - 'T' Tap (0.65-2.00mm <sup>2</sup> Cable / 6.35mm Tab)	ET51	100
Blue Self Stripping Blade Fuse Holder	ET60	20

## HEAVY DUTY BATTERY TERMINALS



Description	Part No.	Pack
Positive Standard - 40mm <sup>2</sup> (61/0.90mm)	BT01	10
Negative Standard - 40mm <sup>2</sup> (61/0.90mm)	BT02	10
Positive Heavy Duty - 60mm <sup>2</sup> (61/1.13mm)	BT03	10
Negative Heavy Duty - 60mm <sup>2</sup> (61/1.13mm)	BT04	10
Positive Ford Cargo / Marine Terminals	BT17	10
Negative Ford Cargo / Marine Terminals	BT16	10

## BATTERY RETAINING BRACKET

- Zinc plated
- Universal fitting



Description	Part No.	Pack
Battery Retaining Bracket Sets	ET177	5 Sets

TOOLS & EQUIPMENT

TYRE SHOP & TPMS

AUTOMOTIVE

WORKSHOP ASSORTMENTS

FASTENERS

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## STANDARD BLADE FUSES



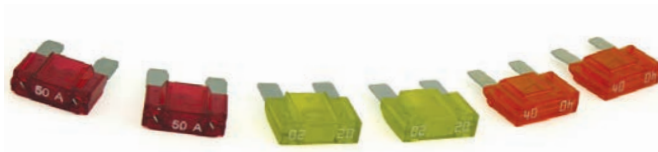
Description	Part No.	Pack
Mauve - 3 Amp	F23	25
	F23T	50
Tan - 5 Amp	A-F12	10
	F12	25
	F12T	50
Brown - 7.5 Amp	A-F13	10
	F13	25
	F13T	50
Red - 10 Amp	A-F14	10
	F14	25
	F14T	50
Blue - 15 Amp	A-F15	10
	F15	25
	F15T	50
Yellow - 20 Amp	A-F16	10
	F16	25
	F16T	50
White - 25 Amp	A-F17	10
	F17	25
	F17T	50
Green - 30 Amp	A-F18	10
	F18	25
	F18T	50
Blue - 35 Amp	F31	25
	F31T	50
Orange - 40 Amp	F32	25
	F32T	50

## MINI BLADE FUSES



Description	Part No.	Pack
Grey - 2 Amp	F33	10
Mauve - 3 Amp	F34	10
Pink - 4 Amp	F35	10
Tan - 5 Amp	F36	10
Brown - 7.5 Amp	F37	10
Red - 10 Amp	F38	10
Blue - 15 Amp	F39	10
Yellow - 20 Amp	F40	10
White - 25 Amp	F41	10
Green - 30 Amp	F42	10

## MAXI BLADE FUSES



Description	Part No.	Pack
Yellow - 20 Amp	F120	10
Green - 30 Amp	F130	10
Orange - 40 Amp	F140	10
Red - 50 Amp	F150	10
Blue - 60 Amp	F160	10
Brown - 70 Amp	F170	10
White - 80 Amp	F180	10

## ASSORTED BLADE FUSES

See Page 92



ATM007



ATM008



ATM009



ATM010

Description	Part No.	Pack
Popular Std Blade Fuses - 10A, 15A, 20A, 25A	A-F300	50
Std Blade Fuses 5A - 30A	ATM007	80
Mini Blade Fuses 2A - 30A	ATM008	100
Mini Blade Fuses - Low Profile 2A - 30A	ATM009	100
Maxi Blade Fuses 20A - 80A	F200	14
Glass & Ceramic Fuses	ATM010	480

## FUSE HOLDERS



Description	Part No.	Pack
In-Line Glass Fuse Holder (8 Amp)	F26	20
In-Line Glass Fuse Holder (17 Amp)	F19	20
In-Line Blade Fuse Holder (30 Amp)	F20	10
Splashproof Blade Fuse Holder (20 Amp)	F84	1
Splashproof Blade Fuse Holder (30 Amp)	F86	1

## DOMESTIC FUSES



Description	Part No.	Pack
Brown - 13 Amp	A-F05	10
	F05	50

# ELECTRICAL CONSUMABLES

## BLANKING GROMMETS

- Black rubber blanking grommets



Description	Part No.	Pack
8.0mm Blanking Grommets	A-GR01	20
9.5mm Blanking Grommets	A-GR02	20
13.0mm Blanking Grommets	A-GR03	20
16.0mm Blanking Grommets	A-GR04	20
19.0mm Blanking Grommets	A-GR05	20
22.0mm Blanking Grommets	A-GR06	20
Assorted Blanking Grommets	GR101	120

## WIRING GROMMETS

- Black rubber wiring grommets



Description	Part No.	Pack
9.5mm x 6.0mm Wiring Grommets	A-GR07	20
13.0mm x 8.0mm Wiring Grommets	A-GR08	20
13.0mm x 9.5mm Wiring Grommets	A-GR09	20
14.0mm x 11.0mm Wiring Grommets	A-GR10	20
17.5mm x 13.0mm Wiring Grommets	A-GR11	20
19.0mm x 13.0mm Wiring Grommets	A-GR12	20
Assorted Wiring Grommets	GR102	120

## INSULATION TAPE



Description	Part No.	Pack
19mm x 20m PVC Tape - Black	ADH111	10
19mm x 20m PVC Tape - White	ADH132	10
19mm x 20m PVC Tape - Blue	ADH133	10
19mm x 20m PVC Tape - Brown	ADH134	10
19mm x 20m PVC Tape - Green	ADH135	10
19mm x 20m PVC Tape - Green/Yellow	ADH136	10
19mm x 20m PVC Tape - Grey	ADH137	10
19mm x 20m PVC Tape - Yellow	ADH138	10
19mm x 20m PVC Tape - Red	ADH113	10
19mm x 20m Assorted Colours	ADH112	10

## NYLON SPIRAL BINDING



Description	Part No.	Pack
4.8mm Wide - 50mm Spiral Binding	ET306	25m
9.5mm Wide - 80mm Spiral Binding	ET310	25m

## HEAT SHRINK TUBING

- 50mm & 150mm lengths



Description	Part No.	Pack
3.2mm x 50mm - Black	A-ET113	10
3.2mm x 150mm - Black	A-ET213	10
6.4mm x 50mm - Black	A-ET117	10
12.7mm x 50mm - Black	A-ET125	10

- 50mm & 150mm lengths



Description	Part No.	Pack
3.2mm x 50mm - Red	A-ET110	10
3.2mm x 150mm - Red	A-ET210	10
6.4mm x 50mm - Red	A-ET114	10
12.7mm x 50mm - Red	A-ET122	10

- 50mm & 150mm lengths



Description	Part No.	Pack
3.2mm x 50mm - Yellow	A-ET111	10
3.2mm x 150mm - Yellow	A-ET211	10
6.4mm x 50mm - Yellow	A-ET115	10
12.7mm x 50mm - Yellow	A-ET123	10

- 50mm & 150mm lengths



Description	Part No.	Pack
3.2mm x 50mm - Blue	A-ET112	10
3.2mm x 150mm - Blue	A-ET212	10
6.4mm x 50mm - Blue	A-ET116	10
12.7mm x 50mm - Blue	A-ET124	10

## CABLE TIES

- Black
- Standard type



Length	Width	Max Dia.	Strength	Part No.	Pack
100mm	2.5mm	20mm	8.1kg	CT06B	200
140mm	3.6mm	30mm	18.2kg	CT04B	100
160mm	4.8mm	36mm	22.2kg	CT07B	200
200mm	4.8mm	50mm	22.2kg	CT03B	100
				CT14B	500
				CT14BQ	1000
295mm	4.8mm	75mm	22.2kg	CT16B	100
370mm	4.8mm	100mm	22.2kg	CT11B	100
				CT15B	200
				CT15BQ	500
290mm	7.6mm	80mm	54.5kg	CT09B	100
370mm	7.6mm	105mm	54.5kg	CT05B	25
				CT10B	50
				CT10BQ	100
762mm	9.0mm	190mm	79.4kg	CT13B	100
550mm	12.7mm	140mm	113.5kg	CT12B	25
				CT12BQ	50

- Natural
- Standard Type



Length	Width	Max Dia.	Strength	Part No.	Pack
100mm	2.5mm	20mm	8.1kg	CT06N	200
140mm	3.6mm	30mm	18.2kg	CT04N	100
160mm	4.8mm	36mm	22.2kg	CT07N	200
200mm	4.8mm	50mm	22.2kg	CT03N	100
370mm	4.8mm	100mm	22.2kg	CT11N	100
370mm	7.6mm	105mm	54.5kg	CT10N	50

- Silver
- Standard type
- Suitable for wheel trims



Length	Width	Max Dia.	Strength	Part No.	Pack
295mm	4.8mm	75mm	22.2kg	CT501	100
370mm	4.8mm	100mm	22.2kg	CT500	100

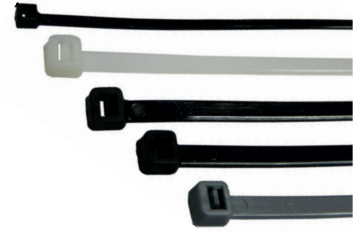
- Red
- Blue
- Green
- Yellow
- Standard type
- Mixed pack



Length	Width	Max Dia.	Strength	Part No.	Pack
200mm	4.8mm	50mm	22.2kg	CT35	200

## CABLE TIE ASSORTMENT

- Assortment of popular cable ties
- Black, natural & silver
- 100mm x 2.5mm Black (200pcs)
- 150mm x 4.6mm Natural (200pcs)
- 200mm x 4.6mm Black (100pcs)
- 300mm x 4.6mm Black (100pcs)
- 300mm x 4.8mm Silver (100pcs)



Description	Part No.	Pack
Cable Tie Assortment	CTPACK	700

## LOW PROFILE CABLE TIES

- Black
- Low Profile Head
- Outside Serrated
- Smooth Inner Surface



Length	Width	Max Dia.	Strength	Part No.	Pack
375mm	4.6mm	105mm	22.2kg	CT33B	100
350mm	9.0mm	90mm	79.4kg	CT32B	50

## CHASSIS TIES

- Black
- Chassis tie
- For 8mm hole size
- Releasable



Length	Width	Max Dia.	Strength	Part No.	Pack
215mm	4.6mm	50mm	54.5kg	CT34B	50

## CABLE TIE BASES / EYELETS

- Simple installation
- Single hole fixing
- Two-way entry
- Secure



Description	Part No.	Pack
Base For Up To 2.6mm Wide Cable Ties	CT102B	50
Base For Up To 5.0mm Wide Cable Ties	CT103B	50

## CABLE TIE BASES / EYELETS

- Rapstrap cable tidy
- Less waste
- Reusable
- Natural colour



Description	Part No.	Pack
Rapstrap Cable Tidy - 300mm x 10mm	CT1030N	96

## CABLE CLIPS

- Self adhesive
- Plastic



Description	Part No.	Pack
Max Cable Dia 6.0mm	ACC01	50
Max Cable Dia 8.0mm	ACC10	50
Max Cable Dia 11.5mm	ACC12	50
Max Cable Dia 16.0mm	ACC11	50

# ELECTRICAL CABLES

## 8.75 AMP SINGLE CORE ELECTRICAL CABLE

- 8.75 Amp continuous rating
- Copper conductors
- PVC insulated
- 14 X 0.30mm diameter strands
- 1.00mm<sup>2</sup>
- Hazard lights, car alarms, air horns, side lights, tail lights, reversing lights, cd/radios, electrical aerials



Colour	Part No.	Pack
BLACK	EWC17	50m
BROWN	EWC24	50m
BLUE	EWC23	50m
GREEN	EWC22	50m
PURPLE	EWC13	50m
RED	EWC16	50m
WHITE	EWC25	50m
YELLOW	EWC21	50m

## 17.50 AMP SINGLE CORE ELECTRICAL CABLE

- 17.50 Amp continuous rating
- Copper conductors
- PVC insulated
- 28 X 0.30mm diameter strands
- 2.00mm<sup>2</sup>
- High output head lamps, halogen spot & fog lamps, rear screen heaters, windscreen wiper motors



Colour	Part No.	Pack
BLACK	EWC27	50m
BROWN	EWC31	50m
BLUE	EWC30	50m
GREEN	EWC29	50m
PURPLE	EWC19	50m
RED	EWC26	50m
WHITE	EWC32	50m
YELLOW	EWC28	50m

## 27.50 AMP SINGLE CORE ELECTRICAL CABLE

- 27.50 Amp continuous rating
- Copper conductors
- PVC insulated
- 44 X 0.30mm diameter strands
- 3.00mm<sup>2</sup>
- Suitable for battery supply & ammeter circuits



Colour	Part No.	Pack
BLACK	EWC41	30m
BROWN	EWC42	30m
RED	EWC43	30m

## 35.00 AMP SINGLE CORE ELECTRICAL CABLE

- 35.00 Amp continuous rating
- Copper conductors
- PVC insulated
- 65 X 0.30mm diameter strands
- 4.50mm<sup>2</sup>
- Charging cable for dynamo, ammeter & alternator circuits



Colour	Part No.	Pack
BLACK	EWC04	30m
BROWN	EWC35	30m
RED	EWC36	30m

## 8.75 AMP FLAT TWIN CORE CABLE

- 8.75 Amp continuous rating
- Copper conductors
- PVC insulated
- Two of 14 x 0.30mm diameter strands
- 1.00mm<sup>2</sup>
- Black outer cable with black & red inner cables



Colour	Part No.	Pack
BLACK & RED	EWC05	30m

## 17.50 AMP FLAT TWIN CORE CABLE

- 17.50 Amp continuous rating
- Copper conductors
- PVC insulated
- Two of 28 x 0.30mm diameter strands
- 2.00mm<sup>2</sup>
- Black outer cable with black & red inner cables



Colour	Part No.	Pack
BLACK & RED	EWC34	30m

## 2.00 AMP STEREO SPEAKER TWIN CABLE

- 2 Amp continuous rating
- Copper conductors
- PVC insulated
- Two of 12 x 0.20mm diameter strands
- 0.38mm<sup>2</sup>
- Wiring speakers in the home & in vehicles



Colour	Part No.	Pack
BLACK / BLACK & WHITE	EWC11	30m

## 7 CORE CABLE (7 x 0.65mm<sup>2</sup>)

- Copper conductors
- PVC insulated
- Seven of 9 x 0.30mm diameter strands (0.65mm<sup>2</sup> / 5.75A)
- Black outer cable with brown, green, red, yellow, black, blue & white core colours
- Commercial trailer lighting and caravans with complex circuits



Colour	Part No.	Pack
BLACK, RED, GREEN, YELLOW, BROWN, WHITE, BLUE	EWC44	30m

## 7 CORE CABLE (6 x 1.00mm<sup>2</sup> & 1 x 2.00mm<sup>2</sup>)

- Copper conductors
- PVC insulated
- Six of 14 x 0.30mm diameter strands (1.00mm<sup>2</sup> / 8.75A)
- One of 28 x 0.30mm diameter strands (2.00mm<sup>2</sup> / 17.5A)
- Black outer cable with brown, green, red, yellow, black, blue & white core colours
- Commercial trailer lighting and caravans with complex circuits



Colour	Part No.	Pack
BLACK, RED, GREEN, YELLOW, BROWN, WHITE, BLUE	EWC06	30m



# ELECTRICAL CABLES & POWER

## STARTER CABLE

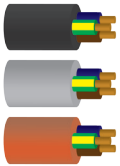
- Copper conductors
- Black insulated PVC



Description	Part No.	Pack
170 Amp Cont. Rating - 25mm <sup>2</sup> (196/0.40mm) - Black	EWC08	10m
170 Amp Cont. Rating - 25mm <sup>2</sup> (196/0.40mm) - Red	EWC10	10m
300 Amp Cont. Rating - 40mm <sup>2</sup> (315/0.40mm) - Black	EWC45	10m
300 Amp Cont. Rating - 40mm <sup>2</sup> (315/0.40mm) - Red	EWC46	10m
415 Amp Cont. Rating - 60mm <sup>2</sup> (475/0.40mm) - Black	EWC09	10m
415 Amp Cont. Rating - 60mm <sup>2</sup> (475/0.40mm) - Red	EWC47	10m

## PVC INSULATED 3 CORE MAINS CABLE

- 15 Amp continuous rating
- Copper conductors
- PVC insulated
- Three of 30 x 0.25mm diameter strands (1.50mm<sup>2</sup>) - brown, blue, green/yellow
- Suitable for 110 - 240 volts
- Recommended for a wide range of electrical equipment used in the professional garage, DIY workshop & the home



Description	Part No.	Pack
BLACK	EWC33	30m
WHITE	EWC48	30m
ORANGE	EWC49	30m

## TRS INSULATED 3 CORE MAINS CABLE

- Copper conductors
- Tough rubber sheath (TRS) insulated
- Black outer colour
- Brown, blue, green/yellow



Description	Part No.	Pack
6 Amp - 3 x 24/0.20mm 3 x 0.75mm <sup>2</sup>	EWC50	30m
10 Amp - 3 x 32/0.25mm 3 x 1.00mm <sup>2</sup>	EWC51	30m
15 Amp - 3 x 30/0.25mm 3 x 1.50mm <sup>2</sup>	EWC52	30m

## BOOSTER CABLES & GRIPS



Description	Part No.	Pack
200 Amp - 16mm <sup>2</sup> Cable - 3.6m Long	BT101	1 Set
350 Amp - 25mm <sup>2</sup> Cable - 4.5m Long	BT102	1 Set
450 Amp - 35mm <sup>2</sup> Cable - 4.8m Long	BT100	1 Set
Booster Cable Grips (Red & Black)	BT110	2 Pairs

## CROCODILE CLIPS

- Include screws & nuts



Description	Part No.	Pack
5 Amp (With Screws & Nuts)	CC01	25
25 Amp (With Screws & Nuts)	CC02	25
50 Amp (With Screws & Nuts)	CC03	25

## TRAILING SOCKETS & CABLE REELS

- 2 Way trailing sockets
- Twin outlet cable reels



Description	Part No.	Pack
Two Way Trailing Socket	ET102	1
10m Twin Outlet Cable Reel	ET105	10m
25m Twin Outlet Cable Reel	ET106	25m
50m Twin Outlet Cable Reel	ET107	50m

## 3 PIN PLUGS



ET47



ET61

Description	Part No.	Pack
13 Amp Sleeved 3 Pin Plug - White	ET47	10
13 Amp Sleeved 3 Pin Plug - Black Rubber	ET61	5

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# INSPECTION LAMPS

## COB INSPECTION LAMPS

- Rechargeable 3W COB super bright inspection lamp
- Single LED battery indicator
- Lithium-Ion polymer battery for longer life
- Two 360° swivel hanging hooks
- Rubber covered magnet
- 180° bottom quarter rotation
- Mains & 12v charger
- Charge time: 5-6 hours
- Operating time: approx. 3 hours



Description	Part No.	Pack
Rechargeable Cob Inspection Lamp	LAMP06	1

- Rechargeable 15W COB super bright inspection lamp
- Lithium-Ion polymer battery for longer life
- Adjustable intensity
- 360° swivel base
- Mains & USB charger
- Charge time: 5-6 hours
- Operating time approx. 3 hours



Description	Part No.	Pack
Rechargeable Ultra Slim Cob Inspection Lamp	LAMP08	1

## LED INSPECTION LAMPS

- 24 high intensity output LEDs
- 100,000 hours LED lifetime
- 4 hours continuous use
- Never gets hot
- Complete with foldaway hanging hook
- Requires 3 x AA batteries



Description	Part No.	Pack
LED Hand Lamp	LEDLAMP	1

## COMPACT HEAD LAMP

- 3W CREE LED chip
- Compact size
- 3 beam modes - High / Low / Strobe
- Adjustable focus
- Glass optical lens
- Robust ABS / Aluminium housing
- 3 x AA battery powered (included)



Description	Part No.	Pack
Compact LED Head Lamp	LAMP07	1

## LED UNDER BONNET LAMP



- Rechargeable under bonnet LED lamp
- 36 LED work lamp (800 Lumens)
- Supplied with 240V mains & 12V DC chargers
- 3 way switch on both sides
- Built-in magnets
- Soft fit hook attachments to avoid bodywork scratching
- Telescopic mounting bracket fits 1.2m - 1.9m width
- 90° rotation for improved visibility

Description	Part No.	Pack
Under Bonnet LED Lamp	LAMP13	1

## INCANDESCENT INSPECTION LAMPS

- Technobeam incandescent hand lamp
- Ergonomic ABS handle with on/off switch
- Polycarbonate domed lens
- Plated steel reflector
- Heavy duty, universal steel clamp
- Rubberised oil resistant cable
- Impact resistant rubber seal
- Suitable for 12/24v AC/DC use
- Available with transformer



Description	Part No.	Pack
Technobeam Inspection Lamp	LAMP01	1
Technobeam Inspection Lamp & Transformer	LAMP140	1



LAMP03



LAMP09



LAMP10

Description	Part No.	Pack
Replacement Glass & Rubber For LAMP01/LAMP140	LAMP03	1 Set
12V Transformer For Use With LAMP01	LAMP10	1
12V Transformer Plugs For Use With LAMP10	LAMP09	2 Pairs

- Sturdy inspection lamp
- Protective cage around bulb
- 6m of cable & 3 pin plug



Description	Part No.	Pack
230V Inspection Lamp	LAMP14	1

# UV LAMPS & BATTERIES

## UV LEAK DETECTION LAMPS

Ideal for detecting leaks in air conditioning and cooling systems with the use of fluorescent dye (not included)

For best results and protection we suggest this product is used with light enhancing safety glasses (WT502)

- Robust Composite Housing
- Rubber Edge Protector
- 4.3m Cable & Battery Clips
- Suitable for Most Lighting Conditions



Description	Part No.	Pack
UV Detection Lamp	LAMP12	1

- 13 State of the art high power UVA LEDs (395-405nm)
- Removable, upgradable light heads
- Strong easy grip rubber & Aluminium handle
- 3 x AA batteries included
- 6-7 hours battery life
- Other inspection accessories & kits available



Description	Part No.	Pack
Invictalux UV Inspection Lamp (Standard 7 LED)	WT504	Lamp
Invictalux UV Inspection Lamp (Superbright 13 LED)	WT505	Lamp
Invictalux Body Only	WT503	Body Only
Standard 7 LED Head Unit	WT504H	LED Head
Superbright 13 LED Head Unit	WT505H	LED Head

## EXTRA GLO UV GLASSES

Safety eye wear compliant with the essential requirements of Directive 89/686/EEC and with the general requirements of standard EN166:2001 and EN170

- Amber lens gives greater comfort when working with UV light sources, and also enhances the fluorescent contrast in leak detection



Description	Part No.	Pack
Extra Glo UV Glasses	WT502	1

## DURACELL PLUS BATTERIES



LAMP110



LAMP111



LAMP112

Description	Part No.	Pack
9V - MN1604	LAMP110	1
AAA - 1.5V MN2400	LAMP111	4
AA - 1.5V MN1500	LAMP112	4



LAMP113



LAMP114

Description	Part No.	Pack
C - 1.5V MN1400	LAMP113	2
D - 1.5V MN1300	LAMP114	2

## DURACELL PROCELL BATTERIES



LAMP210



LAMP211



LAMP212

Description	Part No.	Pack
9V - MN1604	LAMP210	10
AAA - 1.5V MN2400	LAMP211	10
AA - 1.5V MN1500	LAMP212	10



LAMP213



LAMP214

Description	Part No.	Pack
C - 1.5V MN1400	LAMP213	10
D - 1.5V MN1300	LAMP214	10

**Leak detection chemicals on page 150**



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# new chemicals for a better job

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see page 143

AdBlue® is a clear, liquid solution which consists of deionised water & automotive urea (32,5%). This liquid is injected into the exhaust gasses of a diesel powered engine to reduce the emission of nitrogen oxides (NOx) in combination with Selective Catalytic Reduction technology.

Many high volume vehicle manufacturers of cars, 4x4's, buses & trucks now utilise SCR systems & AdBlue® so the replenishment of AdBlue® is becoming more and more common within the automotive industry.



We have a range of AdBlue® products & pumps available on page 143.

## VEHICLE SYSTEM CLEANERS

We have added a number of key cleaning products to our chemicals range.

These products help to maintain & rejuvenate vehicle systems whilst also helping to maximise fuel efficiency & vehicle performance & include:

- DPF Assist - PG430
- EGR Valve Cleaner - PG252
- Turbocharger Cleaner - PG253

For full details see page 144 or call our sales team on 0208 838 0910

see page 144



## GAS LEAK DETECTOR



- Compressed air propellant
- Micro-porous foam shows leaks at any location
- Detects minute leaks
- Suitable for vehicle classes - 3, 4, 5, & 7
- Suitable for gas leak detection on LPG vehicles

see page 150

P/N: PG225 (400ml)

## A/C SANITIZER



- Long lasting a/c sanitizer leaves the car clean & fresh
- Disinfects vehicle interior
- Removes bacteria & musty odours

P/N: PG227 (400ml)

see page 151



## Workshop General Lubrication Automotive Sealing & Adhesive Painting & Valet Leak Detection A/C Servicing



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## PENETRATING OILS

- Penetrates fast
- Ideal for seized & rusted parts



Description	Part No.	Pack
Penetrating Oil	PDS10U	1 x 400ml
	PDS10	12 x 400ml

- Rapidly penetrates rusted, seized and corroded bolts, nuts, studs, pins, hinges, locks, linkages & tools
- Formulated to be used in engineering, construction, transport & marine applications
- Not to be sprayed directly on to rubber or painted surfaces



Description	Part No.	Pack
Penetrating Oil With Graphite	PG212	1 x 500ml

## PENETRANT, DAMP START & LUBRICANT

- Conforms to MOD & NATO standards
- Use as a penetrant, damp start, general lubricant and anti-corrosive agent
- Not harmful to rubber, plastics, paints or fabrics



Description	Part No.	Pack
Penetrant, Damp Start & Lubricant	PDS07	1 x 5L

## CHAIN SPRAY

- Highly effective penetrating lubricant for chains, wire ropes & open gears
- Reduces wear & prevents the build up of dirt & abrasive grits
- Special anti-fling formula
- Resistant to salt & fresh water wash off



Description	Part No.	Pack
Chain Spray	PG202	1 x 500ml
	PG202T	12 x 500ml

## BELT GUARD

- Formulated to increase the grip of all belt driven machinery whilst prolonging the effective life of the belt
- Eliminates belt slip and squeal & has a cleaning action to remove old dressings & contaminants
- Suitable for all belt types, it's regular use maintains the tensile strength of the belt
- Contains SG12 anti-slip agent which increases the transmitted power & torque



Description	Part No.	Pack
Belt Guard	PG205	1 x 500ml
	PG205T	12 x 500ml

## SILICONE SPRAY

- Pure non-staining spray that reduces friction on all working surfaces
- Polishes to a glossy film
- Anti-static properties repel dust from all surfaces
- Acts as an effective lubricant from -40°C to 260°C
- Suitable for vehicle interiors, door hinges, plastic, rubber, metal, vinyl, painted surfaces, seals, window fittings & wood
- Makes an ideal release agent
- Eliminates dashboard squeaks



Description	Part No.	Pack
Silicone Spray	PG208	1 x 500ml
	PG208T	12 x 500ml

## ELECTRICAL CONTACT TREATMENTS

- Non-residual, quick drying electrical equipment cleaner
- Safely dissolves oil & grease from most surfaces
- Especially suited for electric motors, generators, starters & control panels



Description	Part No.	Pack
Contact Cleaner	PG213	1 x 500ml

- Specially formulated to protect battery terminals from moisture & corrosion
- Provides a rapid cleaning action to remove corrosion, grease & acid
- Acts as an indicator for identifying battery acid leaks
- Suits all vehicle batteries



Description	Part No.	Pack
Battery Protector	PG204	1 x 500ml
	PG204T	12 x 500ml

## WHITE GREASE WITH PTFE

- Contains high viscosity lubricants & load bearing additives to guarantee continual long term effect
- Seals metal parts, providing protection against wear, moisture & rust
- Provides long lasting protection
- Resists heat & salt
- Ideal for the food industry



Description	Part No.	Pack
White Grease With PTFE	PG201	1 x 500ml
	PG201T	12 x 500ml

## SPRAY GREASE 65 X 195

- Formulated to give good penetration & improved retention
- Can be used as a general purpose lubricant
- Can be used on metal parts where corrosion & wear protection is required
- Can also be used for the protection of chains, wire ropes & cables



Description	Part No.	Pack
Spray Grease 65 x 195	PG220	1 x 500ml

## COPPER GREASE

- Prevents disc squeal
- Anti-seize compound
- Effective up to 2000°F
- Protects against corrosion, oxidation & rust
- Eases assembly & dismantling of brake linkages, battery posts, terminals, exhaust manifold studs, clutch splined shafts & cylinder head studs



Description	Part No.	Pack
Squeal Ease Copper Grease	SQE02	1 x 400g
Squeal Ease Copper Grease (c/w 6 Brushes)	SQE01	6 x 400g
Applicator Brushes	SQE04	5

## CERAMIC GREASE

- Suitable for all types of brakes pads
- Resistant to moisture, corrosion and contaminants
- Outperforms copper based grease
- Will not affect ABS sensors



Description	Part No.	Pack
Ceramic Brake Grease	SQE05	1 x 200ml

## SILICONE GREASE

- Provides lubrication, moisture protection & has release properties
- Remains stable from -50°C to 200°C



Description	Part No.	Pack
Silicone Grease	SG1000	1 x 85g

## LITHIUM GREASE

- Contains high viscosity lubricants & load bearing additives to guarantee continual & long term effect
- Completely seals metal parts, providing protection against wear, moisture, rust & corrosion
- Will not wash off & stays effective up to 180°C



Description	Part No.	Pack
Lithium Grease	PG206	1 x 500ml
	PG206T	12 x 500ml

## LITHIUM EP2 GREASE

- Premium quality lithium grease
- 3kg tin or 300g cartridges



Description	Part No.	Pack
Lithium EP2 Grease - Tin	GN28	1
	GN27	1
Lithium EP2 Grease - Cartridge	GN27T	5
	GN27P	36

## COPPER ANTI-SEIZE SPRAY

- Can be used for Industrial, Construction & Automotive applications
- High copper content gives excellent lubrication at high temperatures up to 1200°C
- Eliminates pitting, rusting, threading distortion, galling & seizure
- Ideal for stay bolts & tubes, boiler fittings, compressor heads, pulleys, sprockets, cables, drilling equipment, fittings & fasteners, propeller shafts, pipe fittings, universal joints, heat & pressure gaskets & fuel injector nozzles



Description	Part No.	Pack
Copper Anti-Seize Spray	PG223	1 x 400ml

## ALUMINIUM ANTI-SEIZE SPRAY

- Special formulation to give protection against seizure in extreme service conditions
- Saves threads & parts from galling, distortion & breakage
- Protects against rust & corrosion even in the presence of salt & water
- Prevents bimetallic corrosion
- Does not harden, melt or wash off
- Seals under extreme pressure
- Withstands temperatures up to 800°C
- Can be used on nuts, bolts, flanges, gaskets, pumps & on industrial, construction, agricultural & automotive equipment



Description	Part No.	Pack
Aluminium Anti-Seize Spray	PG222	1 x 400ml

# LUBRICATION & ADDITIVES

To maintain equipment in tip top condition and operating smoothly, the correct use of specialist oils & compatible greases is hugely important along with following the manufacturer operating instructions for each piece of equipment.

Oils & greases do a number of things and not just for lubrication. In some cases they are also used to prevent rusting, cool internal components and prevent air leakage which may effect the efficiency of the equipment.

## AIR TOOL OIL

- Formulated to keep air tools oiled & lubricated
- Low air retention
- Good thermal stability
- Contains anti-corrosion additives
- ISO 32 Viscosity grade oil
- ISO 6743/4, Type : HM
- Vickers :1-286-S



## COMPRESSOR OIL

- Formulated to keep internal compressor workings oiled & lubricated
- Excellent anti wear properties
- Good thermal stability
- Good resistance to oxidation
- Always consult compressor manufacturers specification for lubrication before use
- ISO 32 Viscosity grade oil
- Din 51524 Part 2 (HLP)



## HYDRAULIC OIL

- Formulated to keep hydraulic workings oiled & lubricated
- Excellent anti wear properties
- Low foaming
- Shear stable
- Contains anti-corrosion additives
- Good compatibility with hoses & seals commonly used in hydraulic systems
- Can be used in forklift trucks, excavators, presses & injection moulding machines where the use of ISO 32 grade oil is specified
- ISO 32 Viscosity grade oil



Description	Part	Pack
Air Tool Oil	PG230	1L

Description	Part	Pack
Compressor Oil	PG231	1L

Description	Part	Pack
Hydraulic Oil	PG232	1L

## PETROL TREATMENTS

- Assists in restoring optimum performance
- Cures flat spots and surging
- Improves fuel economy
- Reduces exhaust emissions
- Removes moisture from the fuel system

Formulated to clean and lubricate the entire fuel system, including:

- Fuel injectors
- Inlet valves
- Top piston rings
- Exhaust valves
- Lambda sensors & catalytic converters



## DIESEL TREATMENTS

- Assists in restoring injectors spray pattern
- Improves combustion
- Reduces exhaust emission and carbon deposits
- Extends injector life
- Improves fuel economy
- Prevents surging and stalling
- Suitable for diesel passenger cars and light commercial vehicles

Designed to clean the entire fuel system from the tank through to the injectors.



Description	Part No.	Pack
Petrol Treatment	PG411A	1 x 250ml

Description	Part No.	Pack
Diesel Treatment	PG413A	1 x 250ml

- Cleans valves; dirty carburetors & clogged injectors
- Prevents fuel system corrosion
- Eliminates rough idling & engine hesitation
- Improves combustion
- Reduces gasoline consumption
- Reduces emission of hazardous exhaust gases
- One bottle treats 40 to 60 litres of gasoline



- Cleans the entire fuel system including injectors
- Increases cetane number restoring power & performance
- Improves combustion & reduces fuel consumption
- Protects the fuel system against corrosion
- Reduces emission of hazardous exhaust gases
- Contains a lubricity additive to lubricate the diesel fuel pump in case of low sulphur fuel
- One bottle treats 40 to 60 litres of diesel



Description	Part No.	Pack
Carlube Petrol Treatment	PG411	1 x 250ml

Description	Part No.	Pack
Carlube Diesel Treatment	PG413	1 x 250ml

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# AdBlue®

AdBlue® is a clear, liquid solution which consists of deionised water & automotive urea (32,5%) that is injected into the exhaust gasses of a diesel powered engine to reduce the emission of nitrogen oxides (NOx) in combination with SCR (Selective Catalytic Reduction) technology.

The vehicle ECU (Electronic Control Unit) monitors the injection rate of the AdBlue® to the SCR at a typical rate of 2-6% of diesel consumption volume.

Many high volume vehicle manufacturers of cars, 4x4's, buses & trucks now utilise SCR systems & AdBlue® so the replenishment of AdBlue® is becoming more & more common within the automotive industry.

The solution is non-toxic & safe to handle, though must be stored & transported carefully. The product should be stored in a cool, dry & well ventilated area out of direct sunlight. It is important that AdBlue® & the associated equipment is kept protected against any type of contamination.



Description	Part No.	Pack
AdBlue® 4L Bottle	ABD1004	1 x 4L
AdBlue® 10L Small Can with Filler Spout	ADB1010	1 x 10L
AdBlue® 20L Large Can	ADB1020	1 x 20L
AdBlue 200L Drum	ADB1200	1 x 200L



Description	Part No.	Pack
Carefill Spout for ABD1004	ADBSPOUT	1
Hand Pump for ADB1020	ADBPUMP	1
Drum Trolley & Electric Pump (drum not included)	ADBTROLLEY	1

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## DPF ASSIST

- DPF Assist is a fuel borne catalyst that helps DPFs to regenerate by reducing the temperature required to burn off trapped soot particles in the DPF
- Suitable for all passenger cars and light commercial vehicles fitted with a Diesel Particulate Filter



Description	Part No.	Pack
DPF Assist	PG430	250ml

## ENGINE FLUSH

- Use prior to an oil change
- Removes all harmful deposits from the crankcase
- Free sticking valves
- Improve compression
- Prolong the life of the new oil
- Harmless to rubber seals & breather hoses
- Restores optimum engine performance
- Suitable for all petrol & diesel engines



Description	Part No.	Pack
Engine Flush	PG417A	1 x 250ml

## CARBURETOR & AIR INTAKE CLEANER

- The unique cleaning formula speeds up the penetration of the gum & varnishes that clog/choke carburettor systems & their ancillary components
- Use on carburettors, automatic chokes and throttle bodies
- Allows easy cleaning without the need for stripping down
- Removes petrol deposits
- Restores power loss
- Only to be used when engine is cold



Description	Part No.	Pack
Carburetor Cleaner	PG207	1 x 500ml
	PG207T	12 x 500ml

## ENGINE / PARTS DEGREASER

- Fast & effective solvent cleaner for use within the engine bay
- Effectively loosens & dissolves build up of oil & grease



Description	Part No.	Pack
Engine / Parts Degreaser	PG504	1 x 5L

## EGR VALVE CLEANER

- Suitable for petrol & diesel engines
- Removes soot & carbon deposits
- Improves fuel economy



Description	Part No.	Pack
EGR Valve Cleaner	PG252	1 x 500ml

## TURBOCHARGER CLEANER

- Fast & efficient turbocharger cleaning
- Removes soot & carbon deposits
- Improves power & consumption of the motor
- Improves fuel economy
- Suitable for variable vane turbos
- Suitable for petrol & diesel engines



Description	Part No.	Pack
Turbocharger Cleaner	PG253	1 x 500ml

## BRAKE AND CLUTCH CLEANER

- Specialised blend of powerful cleaning solvents
- High auto-ignition point
- Evaporates completely, leaving no residue
- Frees seized brakes
- Instantly removes oil, grease, brake fluid and other contaminants from brake drums, discs, linings, pads and cylinders



Description	Part No.	Pack
Aerosol Brake & Clutch Cleaner	BC150	12 x 150ml
	BC200	12 x 500ml
Brake & Clutch Cleaner	BC500P	1 x 5L



Description	Part No.	Pack
Brake Cleaner Spray Can (1L Brass Head)	BC08	1

## DOT4 BRAKE FLUID

- High performance synthetic brake & clutch fluid
- Exceeds FMVSS 116 Dot 3 & SAEJ 1703 specifications
- Min boiling point - 230°C



Description	Part No.	Pack
Dot 4 Brake Fluid	BF01	1 x 1L
	BF02	1 x 4.55L

## DISTILLED / DE-IONISED WATER

- Distilled Water
- Prevents furring and scale formulation in batteries

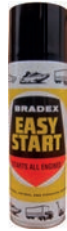


Description	Part No.	Pack
De-ionised Water	WKC502	12 x 1L
	WKC503	1 x 5L

## SEASONAL PRODUCTS

### BRADEX EASY START

- Starting aid for all types of engine
- Starts engines whatever the weather
- Quick and easy to use
- Ensures firing even under arctic conditions
- Can be used on diesel, petrol and paraffin engines
- No damaging effect
- Contains upper cylinder lubricant to protect engine



Description	Part No.	Pack
Bradex Easy Start	PG503S	1 x 300ml
	PG503	12 x 300ml

### ANTI-FREEZE

- Concentrated anti-freeze & summer coolant
- Methanol-free
- Suitable for all engine types
- Provides all year round protection to -25°C at 50% dilution
- Contains anti-corrosion additives which can be left in the system as a coolant and inhibitor against rust for up to a maximum of 2 years
- Meets BS6580 (1992)



Description	Part No.	Pack
Anti Freeze - Blue	PG510	1 x 2L

- Longlife concentrate anti-freeze & summer coolant
- Methanol-free
- Incorporating Organic Acid Technology
- Suitable for all engine types, providing all year round protection to -30°C at 50% dilution
- Contains anti-corrosion additives which can be left in the system as a coolant and inhibitor against rust
- Meets BS6580 (1992)



Description	Part No.	Pack
Anti Freeze - Red	PG511	1 x 2L

### DE-ICER

- De-Icer operates at temperatures down to -15°C
- Highly concentrated formulation is fast acting and effectively removes ice, frost and snow from vehicle windscreens, windows and mirrors
- Streak free finish



Description	Part No.	Pack
De-icer	PG502	12 x 600ml

### SCREEN WASH

- Concentrated high power, all seasons windscreen wash
- Quickly removes dirt, grime and insect deposits
- Helps prevent windscreen bottle from freezing



Description	Part No.	Pack
Screen Wash	PG501	1 x 1L
	PG500	1 X 5L
Screen Wash Sachets	PG505	72 x 70ml

### WINTER EQUIPMENT



VAL126V

VAL126

HY79S

VAL250

Description	Part No.	Pack
Value Ice Scraper	VAL126V	1
Deluxe Squeegee / Ice Scraper	VAL126	1
Extendable Snow Shovel	HY79S	1
Demister Pad	VAL250	1

### WINTER CAR KIT

- Winter Car Kit
- 300ml De-Icer
- 500ml Screen Wash
- Demister Pad
- Ice Scraper



Description	Part No.	Pack
Winter Car Kit	WINTERPACK2	1 Kit



# SEALING & ADHESIVE

## EXHAUST JOINTING PASTE / PUTTY

- Withstands extreme temperatures
- Provides carbon monoxide proof joints from manifold to tailpipe
- Facilitates assembly of exhaust components by lubricating joints during assembly
- Must not be used in any joint in front of a catalytic converter
- Asbestos free



## SILICONE SEALANT / INSTANT GASKET

- Superior quality clear silicone sealant
- Bonds metal, glass, rubber, plastic and many other materials
- Remains flexible when cured
- Resists all lubricating, transmission and cooling fluids
- Withstands high temperatures
- Not resistant to petrol
- Not to be over painted after application



Description	Part No.	Pack
Exhaust Jointing Paste - Cartridge	GTP07	5 x 500g
Exhaust Jointing Paste - Cartridge & Applicator Gun	GTP08	5 x 500g + 1
Cartridge / Caulking Gun	PG16	1

Description	Part No.	Pack
Silicone Sealant - Cartridge	PG14	1 x 310ml
	PG14T	5 x 310ml
Cartridge / Caulking Gun	PG16	1

- Withstands extreme temperatures
- Provides carbon monoxide proof joints from manifold to tailpipe
- Facilitates assembly of exhaust components by lubricating joints during assembly
- Must not be used in any joint in front of a catalytic converter
- Asbestos free



## ADHESIVE SEALANT

- Fast curing polyurethane based adhesive sealant



Description	Part No.	Pack
Exhaust Jointing Paste - Tube	GTP01U	1 x 140g
	GTP03	6 x 140g
	GTP01	24 x 140g

Description	Part No.	Pack
Black - Cartridge	ADH215	1 x 310ml
White - Cartridge	ADH216	1 x 310ml
Grey - Cartridge	ADH217	1 x 310ml

- For use around manifold joints and seams
- Withstands extreme temperatures
- Provides carbon monoxide proof joints from manifold to tailpipe
- Must not be used in any joint in front of a catalytic converter
- Asbestos free



## SPRAY ADHESIVE

- Recommended for light & medium duty carpets, carpet tiles, underfelt, cardboard, paper, plastic, felt, synthetic leather & textiles
- Ideal for vehicle interiors
- Fast acting
- Strong bonding



Description	Part No.	Pack
Exhaust Repair Putty - Tub	GTP04	6 x 250g
	GTP02	36 x 250g

Description	Part No.	Pack
Spray Adhesive	PG210	1 x 500ml
	PG210T	12 x 500ml

## EXHAUST REPAIR BANDAGE

- Resin sets when heated (by running engine) creating a heat resistant and long lasting repair
- Must not be used in any joint in front of a catalytic converter
- Asbestos free



Description	Part No.	Pack
47" x 1.1/2" - With Heat Foil & Wire	GTP06U	1
	GTP06	12
	GTP05	36

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## GEMLOK INDUSTRIAL SUPERGLUE

- Cyanoacrylate adhesive for close fitting surfaces
- High Strength
- Ultra fast cure
- No mixing required



PG300 PG301

Description	Part No.	Pack
Gemlok Industrial Super Glue	PG300	1 x 20g
	PG301	5 x 5g

## GEMLOK NUTLOCK

- Designed for medium strength locking where components need to be dismantled as part of a regular maintenance schedule
- Eliminates the need for locking nuts
- Prevents nuts and bolts loosening due to vibration
- Seals against corrosion
- Can be undone using hand tools



Description	Part No.	Pack
Gemlok Nutlock	PG302	1 x 50ml

## GEMLOK ANAEROBIC RETAINER

- Designed for high strength retention of sleeves, bushes, pulleys, gears and other slip or press fit parts
- Eliminates the need for mechanical locking methods
- Cures in 15 minutes giving maximum security to engineered components requiring retention



Description	Part No.	Pack
Gemlok Anaerobic Retainer	PG303	1 x 50ml

## GEMLOK METAL FIT

- Designed to refit badly worn bearing mounts, shafts, splines and keyways
- Permanent grade anaerobic adhesive
- High gap filling capabilities
- Fast curing



Description	Part No.	Pack
Gemlok Metal Fit	PG304	1 x 50ml

## GEMLOK PIPE SEALANT

- Designed to replace pipe dopes, tapes and low pressure sealing components
- Contains Teflon to give an instant seal on most coarse threaded components
- Cures in only 15 minutes
- Accommodates joint movement and turning when cured
- Meets requirements of water byelaw scheme approval



Description	Part No.	Pack
Gemlok Pipe Sealant	PG305	1 x 50ml

## GEMLOK CLEAR RAPID EPOXY

- Industrial strength clear rapid epoxy adhesive
- Bonds automotive trims in place, vehicle badges, emblems, tool handles, furniture parts and repairs broken porcelain, china and jewelry
- Resistant to oil, gas, alcohol, water and detergents
- Cures in under 5 minutes



Description	Part No.	Pack
Gemlok Clear Rapid Epoxy	PG306	1 x 28ml

## GEMLOK GASKET MAKER

- Designed to make a gasket shim between close fitting machined surfaces
- Commonly used on modern engines where gasket surfaces are extremely well engineered
- Seepage of the material outside the bond area will not cure and would be washed away safely within the oil or water system



Description	Part No.	Pack
Gemlok Gasket Maker	PG307	1 x 50ml

## GEMLOK PLASTIC REPAIR STICK

- Designed to repair all common plastics
- Repairs cracks in fibre glass and GRP mouldings, bumpers, spoilers and plastic trims
- Can be used to rebuild cracks in plastic tanks, boat hulls and sail boards, even in the presence of water
- Hardens in 15 minutes
- Can be sanded and feathered back in 1 hour
- Provides an excellent emergency repair



PG309 PG311

Description	Part No.	Pack
	PG309	1 x 110g
	PG311	5 x 55g

## GEMLOK METAL REPAIR STICK

- Designed to repair all common metals, alloys, ferrous and non-ferrous materials
- Mixes easily in the hand and will repair cracks in gear boxes, sumps and other castings
- Repairs stripped threads and can be used to rebuild broken metal parts
- Hardens in 5 minutes
- Can be drilled, tapped and sanded in 1 hour



PG310 PG312

Description	Part No.	Pack
	PG310	1 x 110g
	PG312	5 x 55g

## LINE MARKING PAINT

- Industrial Line Marking Aerosol
- Typical applications include;
  - Factory layouts and process flows
  - Car parks
  - Safety & danger zones
  - Warehouse layouts
  - General demarcation areas
  - Sports halls
  - Playgrounds
  - Site road markings
  - Athletics & sports fields



Description	Part No.	Pack
Line Marking Paint (Aerosol) - White	PG250	1 x 750ml
Line Marking Paint (Aerosol) - Yellow	PG251	1 x 750ml

## SPRAY PAINTS & PRIMERS

Simoniz clog free aerosol paints.

- Easy to apply for super smooth finish
- Forms the ideal base for all automotive top coats
- A consistent fast and even spray rate, quick coverage, quick drying
- Small paint particles, no run, no powdery finish
- True matt finish from matt paints, deep brilliant shine from gloss paints



Description	Part No.	Pack
Gloss Black Paint	VAL165	1 x 500ml
Matt Black Paint	VAL166	1 x 500ml
Satin Matt Black Paint	VAL170	1 x 500ml

## TYRE PAINT

- Flexible coating designed to give a new look to black rubber surfaces such as tyres & mudflaps
- Easy to use
- Can be reapplied when necessary to maintain a like new finish



Description	Part No.	Pack
Black Tyre Paint	VAL140	1 x 5L

## AUTOGEM AUTOCLEAN WIPES



Description	Part No.	Pack
AutoClean Multi Purpose Wipes	HY2004	100

## GENERAL VALETING PRODUCTS

- Neutral car wax shampoo with an exceptionally high degree of cleaning power
- Leaves vehicles with a deep, lustrous finish from the wax additive in this quality car shampoo
- Removes light to medium atmospheric soilings



Description	Part No.	Pack
Car Shampoo & Wax	VAL210	1 x 5L

- For use on all types of light alloy & steel wheels
- Foam action cleaner clings to the wheels
- Softens the carbon brake dust
- Faster cleaning of the heavily soiled areas
- Leaves a bright & high class finish



Description	Part No.	Pack
Foam Alloy Wheel Cleaner	VAL229	1 x 750ml

## TRAFFIC FILM REMOVER

- Dilute with water to make up to 25 litres of traffic film remover



Description	Part No.	Pack
Traffic Film Remover	VAL195	1 x 2.5L

**Vehicle valeting products & equipment are located on page 154**

**Vehicle & upholstery protection can be found on page 155**

**For personal protective equipment take a look at pages 162-166**

- Autogem AutoClean Wipes allow you to clean your hands and surfaces of oil, grease, ground in dirt, paints and tars where no water is available, with unrivalled efficiency
- The unique formula is tough enough to remove stubborn grime though mild enough to be completely skin safe
- Ideal for the precision cleaning and maintenance of engine bay and components
- Effortlessly removes insect remains, sap and other stubborn debris from vehicle bodywork
- The resealable packet contains 100 extra large wipes

- Removes Oil, Grease, Dirt & Grime
- Fast Acting & Ready To Use
- Ultra Tough, Non-Tear Material
- Powerful, Hand Safe Formula
- Resealable Packet

## MASKING TAPE

- General purpose masking tape for automotive use
- Sticks firmly to most surfaces
- Easy & clean removal



Description	Part No.	Pack
Autograde Masking Tape - 24mm x 50m	ADH102	5
	ADH102T	20
Autograde Masking Tape - 48mm x 50m	ADH103	4
	ADH103T	20

## TRIM TAPE

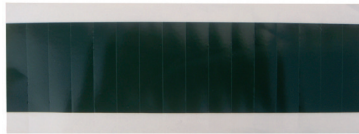
- Adhesive double sided trim tape



Description	Part No.	Pack
Double Sided Trim Tape - 12mm x 5m	ADH121	3
Double Sided Trim Tape - 19mm x 5m	ADH122	2

## ADHESIVE PADS

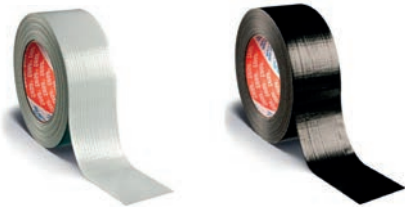
- Double sided adhesive pads
- Ideal for number plates



Description	Part No.	Pack
Number Plate Adhesive Pads 75mm x 19mm	ADH124	48

## DUCT TAPE

- General purpose, high adhesive duct / gaffer tape
- Easy to tear
- Waterproof



Description	Part No.	Pack
Silver Duct Tape - 50mm x 50m	ADH150	2
Black Duct Tape - 50mm x 50m	ADH151	2

## HAZARD MARKING TAPE

- High visibility hazard marking tape



Description	Part No.	Pack
Yellow & Black Hazard Tape - 38mm x 50m	ADH142	2

## VINYL TAPE

- High colour vinyl tape



Description	Part No.	Pack
Yellow Vinyl Tape - 38mm x 66m	ADH141	3
Blue Vinyl Tape - 38mm x 66m	ADH143	3

## PACKING TAPE

- Brown polypropylene tape
- Ideal for boxes / packaging purposes



Description	Part No.	Pack
Brown Packing Tape - 50mm x 66m	ADH160	6

## INSULATION TAPE



Description	Part No.	Pack
19mm x 20m PVC Tape - Black	ADH111	10
19mm x 20m PVC Tape - White	ADH132	10
19mm x 20m PVC Tape - Blue	ADH133	10
19mm x 20m PVC Tape - Brown	ADH134	10
19mm x 20m PVC Tape - Green	ADH135	10
19mm x 20m PVC Tape - Green/Yellow	ADH136	10
19mm x 20m PVC Tape - Grey	ADH137	10
19mm x 20m PVC Tape - Yellow	ADH138	10
19mm x 20m PVC Tape - Red	ADH113	10
19mm x 20m Assorted Colours	ADH112	10

## PTFE TAPE

- PTFE thread sealing tape
- Supplied on plastic spool



Description	Part No.	Pack
PTFE Tape - 12mm x 12m	ADH131	10

# LEAK DETECTION

## A/C LEAK DETECTOR - R134a

- Glo-Leak Pure 1284 is for R134a automotive A/C systems
- Typical usage rate of 7.5ml per 250ml of lubricant
- Use when adding dye via your A/C service machine, when mini doses cannot be measured accurately, or when price per bottle is paramount
- Also good for use with Primalec injectors



Description	Part No.	Pack
Glo-Leak Pure 1284 Dye for R134a - Bottle	PG620	1 x 250ml
Glo-Leak Pure 1284 Dye for R134a - 1 Dose Sachets	PG621	12 Sachets

## A/C LEAK DETECTOR - R1234yf & R134a

- For automotive & commercial A/C systems, including electric compressors found on hybrids & the increasing number of stop-start vehicles coming to market
- Specially formulated to mix with R1234yf
- Backward compatible with R134a & other refrigerants, but not vice versa
- Typical usage rate of 5ml for up to 300ml of lubricant



Description	Part No.	Pack
Glo-Leak Pure 1234 Dye for R1234yf - Bottle	PG622	1 x 250ml
Glo-Leak Pure 1234 Dye for R1234yf - 10 Dose	PG623	1 x 55cc

## AUTOMOTIVE OIL & FUEL LEAK DETECTOR

- For fuel and hydraulic systems (petrol & diesel engines)
- Extra strong Glo-Leak 1310 is blended to mix freely with all lubricants (mineral, synthetic, semi-synthetic) found in engines, gearboxes, automatic transmissions, power steering, petrol & diesel fuels
- Typical usage rates:  
10ml per 6 litres of fuel  
10-15ml per 5 litres of clean oil  
10-15ml per 2 litres of dirty oil



Description	Part No.	Pack
Glo-Leak 1310 - Bottle	PG670	1 x 250ml
Glo-Leak 1310 - Vials	PG671	6 x 25ml

- For fuel and hydraulic systems (petrol & diesel engines)
- Formulated to react better with near UV light sources as well as traditional UVA lights
- Tuned to work better with synthetic & semi-synthetic engine oils
- Mixes freely with all lubricants (mineral, synthetic, semi-synthetic) found in engines, gearboxes, automatic transmissions, power steering, petrol & diesel fuels
- Typical usage rates:  
10ml per 6 litres of fuel  
10-15ml per 5 litres of clean oil  
10-15ml per 2 litres of dirty oil



Description	Part No.	Pack
Glo-Leak 1312 - Bottle	PG672	1 x 250ml
Glo-Leak 1312 - Vials	PG673	6 x 25ml

## COOLANT SYSTEM LEAK DETECTOR

- Locate difficult to spot coolant system leaks
- Add to radiator or expansion bottle when engine is cool
- Typical usage rate of 10ml per 3 litres of coolant



Description	Part No.	Pack
Glo-Leak 1390 - Bottle	PG674	1 x 250ml
Glo-Leak 1390 - Vials	PG675	6 x 25ml

## BODYWORK / RAIN LEAK DETECTOR

- Find rain water leaks in windscreens, door seals, boot lids etc
- Typical usage rate of 25ml per 10 litres of water
- Apply the mixture externally to suspected areas with a hand sprayer or pressurised hose system
- Look for a blue glow from inside vehicle when inspected with UVA light



Description	Part No.	Pack
Glo-Leak 1396 - Bottle	PG676	1 x 250ml
Glo-Leak 1396 - Vials	PG677	6 x 25ml

## LEAK DETECTOR DYE CLEANER

- The citrus based biodegradable solvent cleaner
- Specially formulated to remove spillage & residues of Glo-Leak & other tracer dyes
- Glo-Klenz is harmless most to most surfaces & is safe to use on all metals
- Also effective on greases, adhesives, dirt, tar & gummy deposits



Description	Part No.	Pack
Glo-Klenz Dye Spill Cleaner - 250ml Trigger Spray	PG627	1 x 250ml

## GAS LEAK DETECTOR

- Compressed air propellant
- Micro-porous foam shows leaks at any location
- Detects minute leaks
- Suitable for vehicle classes - 3, 4, 5, & 7
- Suitable for gas leak detection on LPG vehicles



Description	Part No.	Pack
Gas Leak Detector	PG227	1 x 400ml

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## TYPE 1 LEAK STOP

- Stops & helps to prevent small leaks in all elastometric parts of mobile A/Cs
- Penetrates & rejuvenates O-rings, seals & flexi pipes
- Low cost treatment for older cars
- Includes a PAG top up
- Vacuum packed Leak Stop 1 contains no other dyes or additives



Description	Part No.	Pack
Type 1 Airco Stop Leak	PG601	1 x 55ml
Type 1 Airco Stop Leak - Multi Pack & Hose	PG602	6 x 55ml
Type 1 Airco Stop Leak - Concertina Bottle	PG603	1 x 55ml

## TYPE 2 LEAK STOP

Type 2 sealant offers all the benefits of Type 1 sealant plus permanently seals micro leaks in metal parts, evaporators, condensers & pipes

- Permanently seals micro leaks in metal parts, evaporators, condensers & pipes
- Reconditions O-rings, seals & flexible pipes
- Ideal low cost repair for out of warranty vehicles
- Saves time & money in parts & labour
- Preventive maintenance: stays active in the system to prevent future leaks
- Recommended for systems containing up to 140cc of lubricant

- Kit includes:  
1 x Can of Airco Seal Pro 1  
1 x Single use charge hose  
1 x Marker label



Description	Part No.	Pack
Type 2 Airco Seal PRO 1	PG604	1 Kit

- Permanently seals micro leaks in metal parts, evaporators, condensers & pipes
- Reconditions O-rings, seals & flexible pipes
- Ideal low cost repair for out of warranty vehicles
- Saves time & money in parts & labour
- Preventive maintenance: stays active in the system to prevent future leaks
- Recommended for systems containing up to 350cc of lubricant
- Ideal for larger vehicles and SUVs

- Kit includes:  
1 x Can of Airco Seal Pro 2  
1 x Single use charge hose  
1 x Marker label  
1 x High side tamper guard  
1 x Low side tamper guard



Description	Part No.	Pack
Type 2 Airco Seal PRO 2	PG605	1 Kit

## EXTRA COOL SYNTHETIC A/C BOOSTER

- Extra Cool Performance enhancer for improved A/C efficiency & cooler vent temperatures
- Increases lubricity - reduces friction & wear
- Stops oxidation & sludge build up
- Better heat transfer, less engine drag
- Faster cooling & cooler vent temperatures
- Contains Leak Stop 1 & PAG top up
- Penetrates & rejuvenates o-rings, seals & flexible pipe



Description	Part No.	Pack
Synthetic A/C Booster - Vacuum Can	PG606	1 x 55ml
Synthetic A/C Booster - Multi Pack & Hose	PG607	6 x 55ml
Synthetic A/C Booster - Concertina Bottle	PG608	1 x 60ml
Synthetic A/C Booster With Glo-Leak - Concertina	PG609	1 x 60ml

## AIRCO AUTOMOTIVE LUBRICANTS

- Mono end capped grade Z Series PAG & POE
- Suited to automotive aftermarket use in most normal European climatic & environmental conditions
- Popular for out of warranty vehicles
- Packaged in HDPE bottles
- Tamper-evident snap closure for ease of use



Description	Part No.	Pack
Airco Lube PAG46 - 250ml HDPE Bottle	PG630	1 x 250ml
Airco Lube PAG100 - 250ml HDPE Bottle	PG631	1 x 250ml
Airco Lube PAG150 - 250ml HDPE Bottle	PG632	1 x 250ml
Airco Lube POE100 - 250ml HDPE Bottle	PG633	1 x 250ml

- High quality, multi grade synthetic oil
- Non hygroscopic, so does not absorb moisture from the atmosphere
- Does not form harmful acids in the A/C system
- Prevents build up of excess oil in the evaporator



Description	Part No.	Pack
Airco Lube PAO68 - 250ml HDPE Bottle	PG635	1 x 250ml

- ZD PAGs have been developed to work with R1234yf systems
- Double end capped
- Lubricant for hermetic electric compressors typically found in hybrid & stop-start systems



Description	Part No.	Pack
Airco Lube Hybrid Grade HYB46 - Bottle	PG650	1 x 250ml
Airco Lube Hybrid Grade POE68 - Bottle	PG652	1 x 250ml

- Z Series PAG & PAO Airco Glo-Lubes
- Pretreated with Glo-Leak Pure UV-Fluorescent Fluid
- Use when topping up a Glo-Leak treated system
- May be used when refilling with oil after a system flush or a change of compressor



Description	Part No.	Pack
Airco Glo-Lube PAG46 & Glo-Leak - 250ml Bottle	PG660	1 x 250ml
Airco Glo-Lube PAG100 & Glo-Leak - 250ml Bottle	PG661	1 x 250ml
Airco Glo-Lube PAG150 & Glo-Leak - 250ml Bottle	PG662	1 x 250ml
Airco Glo-Lube PAO68 & Glo-Leak - 250ml Bottle	PG665	1 x 250ml

## A/C SANITIZER

- Long lasting a/c sanitizer leaves the car clean & fresh
- Disinfects vehicle interior
- Removes bacteria & musty odours



Description	Part No.	Pack
A/C Sanitizer - 400ml	PG225	1 x 400ml

# protection for your staff

## DISPOSABLE GLOVES - NITRILE SUPERIOR SPEC WITH EXTRA GRIP

- Powder free extra strength disposable nitrile gloves with multi grip
- Durable single use protective glove packed in a controlled pop up box
- Ideal for mechanics, engineers, agricultural & general use
- Wet, dry & oily grip
- Protects against contamination from dirt & potential irritants in low risk situations
- Rolled cuff for additional strength & prevention of liquid roll back

Description	Part No.	Pack
Medium Powder Free Nitrile Grip Gloves - ORANGE	HY300M	50
Large Powder Free Nitrile Grip Gloves - ORANGE	HY300L	50
X-Large Powder Free Nitrile Grip Gloves - ORANGE	HY300XL	50



full range of personal p.p.e. on pages: 162 to 166

## NITRILE COATED KNITTED GLOVES

- Black, lightweight PU work glove
- Ideal for light duty protection
- Retains a sensitive feel for dexterity
- Perfect for mechanics, plumbers, decorators & general use

Description	Part No.	Pack
Medium Nitrile Coated Knitted Gloves	HY280M	1 Pair
Large Nitrile Coated Knitted Gloves	HY280L	1 Pair
X-Large Nitrile Coated Knitted Gloves	HY280XL	1 Pair



# and the vehicles

## WING COVERS

- Protects the wing from scratches whilst working within the engine bay
- Resistant to oil, grease & water
- Easy to wipe clean
- Available with hidden magnets or sand for non-magnetic wings

Description	Part No.	Pack
Magnetic Wing Cover	CR10	1
Sand Filled Wing Cover	CR11	1



## 5 IN 1 CLEAN SET

- Contains:
- 1 Seat Cover
- 1 Floor Mat
- 1 Steering Wheel Cover
- 1 Gear Shift Cover
- 1 Hand Brake Cover



vehicle & upholstery protection: page 155

Description	Part No.	Pack
5 In 1 Clean Set	DPP110	100 Sets

## Car Care & Valeting Cleaning Consumables Cleaning Equipment Washroom Supplies Personal Protection First Aid



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# CAR CARE & VALETING

## MICROFIBRE CLOTH

- Can be used to polish almost any hard surface without the need for chemicals
- Add a little water to allow the Van Der Waals forces to work most effectively



Description	Part No.	Pack
Microfibre Cloth	VAL252	1

## CHAMOIS CLOTHS

- Genuine chamois leather
- Soft and super absorbent



Description	Part No.	Pack
2 sq ft Classic Chamois Leather (Medium)	VAL247	1
3.5 sq ft Classic Chamois Leather (Extra Large)	VAL248	1

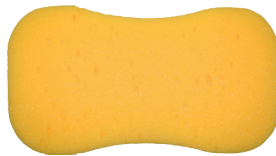
- Superior grade synthetic chamois cloth
- Super absorbent



Description	Part No.	Pack
2.3 sq ft Superior Grade Synthetic "Chammy" Cloth	VAL249	1

## SPONGES

- Soft & super absorbent jumbo sponges



Description	Part No.	Pack
Jumbo Sponge	VAL251	1
	VAL112	5

## WASH MITS

- Convenient hand mit for polishing and cleaning



VAL254 VAL255

Description	Part No.	Pack
Gentle Wash Mit (Ultra Soft Chenille)	VAL254	1
Luxury Long Pile Luxury Microfibre Wash Mit	VAL255	1

## POLISH APPLICATOR PAD

- Large applicator pad for polishing and dusting
- Terry style fabric covering



Description	Part No.	Pack
Polish Applicator Pad	VAL256	1

## SUPER SOFT POLISHING CLOTH

- Super soft polishing cloth



Description	Part No.	Pack
Super Soft Polishing Cloth	VAL253	1

## STOCKINETTE ROLL

- Premium quality 100% cotton



Description	Part No.	Pack
Stockinette Roll (Fine)	VAL115	1

## GENERAL VALETING PRODUCTS

- Neutral car wax shampoo with an exceptionally high degree of cleaning power
- Leaves vehicles with a deep, lustrous finish from the wax additive in this quality car shampoo
- Removes light to medium atmospheric soiling



Description	Part No.	Pack
Car Shampoo & Wax	VAL210	1 x 5L

- For use on all types of light alloy & steel wheels
- Foam action cleaner clings to the wheels
- Softens the carbon brake dust
- Faster cleaning of the heavily soiled areas
- Leaves a bright & high class finish



Description	Part No.	Pack
Foam Alloy Wheel Cleaner	VAL229	1 x 750ml

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## TRAFFIC FILM REMOVER

- Dilute with water to make up to 25 litres of traffic film remover



Description	Part No.	Pack
Traffic Film Remover	VAL195	1 x 2.5L

## TYRE PAINT

- Flexible coating designed to give a new look to black rubber surfaces such as tyres & mudflaps
- Easy to use
- Can be reapplied when necessary to maintain a like new finish



Description	Part No.	Pack
Black Tyre Paint	VAL140	1 x 5L

## SCREEN WASH

- Concentrated high power, all seasons windscreen wash
- Quickly removes dirt, grime and insect deposits
- Helps prevent windscreen bottle from freezing



Description	Part No.	Pack
Screen Wash	PG501	1 x 1L
	PG500	1 X 5L
Screen Wash Sachets	PG505	72 x 70ml

## WING COVERS

- Protects the wing from scratches whilst working within the engine bay
- Resistant to oil, grease & water
- Easy to wipe clean
- Available with hidden magnets or sand for non-magnetic wings



Description	Part No.	Pack
Magnetic Wing Cover	CR10	1
Sand Filled Wing Cover	CR11	1

## 5 IN 1 CLEAN SET

- Contains:  
1 Seat Cover  
1 Floor Mat  
1 Steering Wheel Cover  
1 Gear Shift Cover  
1 Hand Brake Cover



Description	Part No.	Pack
5 In 1 Clean Set	DPP110	100 Sets

## DISPOSABLE FLOOR MATS

- Disposable paper floor mats



Description	Part No.	Pack
White Crepe Paper Floor Mats	DPP601	250
Brown Paper Floor Mats	DPP602	500
Brown Kraft Paper Floor Mats	EFME	250

## DISPOSABLE SEAT COVERS

- Disposable seat covers
- 3 Quality grades



Description	Part No.	Pack
Seat Covers - 100pc Roll	DPP01	1 x 100
Seat Covers - 500pc Roll	CR09	1 x 500
Seat Covers - 100pc Roll In Dispenser Box	DPP101	1 x 100
Premium Seat Covers - 100pc Roll	DPP02	1 x 100
Premium Plus Seat Covers - 100pc Roll	DPP03	1 x 100

## SEAT COVER DISPENSER BARS

- One or three bar seat cover dispensers
- Wall mountable



Description	Part No.	Pack
3 Bar Seat Cover Dispenser	CR65	1 Kit
1 Bar Seat Cover Dispenser	CR70	1 Kit

# GENERAL CLEANING CHEMICALS

## ALL PURPOSE CLEANER

- For all heavy duty cleaning of hard surfaces
- Removes grease & oil



Description	Part No.	Pack
Multipurpose Cleaner In Spray Bottle	HY2007	1 x 500ml
All Purpose Cleaner	HY10	1 x 5L

## CREAM CLEANER

- Non-scratch for the effective cleaning of baths, basins, shower areas, stainless steel sink units & ceramic cooker tops
- Lemon perfumed
- Approved by the Ceramics Council



Description	Part No.	Pack
Cream Cleaner	HY117	1 x 540ml

## WINDOW CLEANER

- For glass, ceramic tiles & other hard surfaces
- Removes finger marks & oil



Description	Part No.	Pack
Window Cleaner In Spray Bottle	HY16	1 x 500ml
Window Cleaner	HY16-5	1 x 5L

## WASHING UP LIQUID

- Industrial strength double concentrated washing up liquid



Description	Part No.	Pack
Washing Up Liquid	HY17	1 x 500ml
Washing Up Liquid With Pump	HY17-5	1 x 5L

## FLOOR POLISH & CLEANER

- Water-based emulsion polish
- For use with a hand sprayer or a mop
- For use on all sealed & non-porous floors
- Easily removes blemishes caused by floor traffic wear



Description	Part No.	Pack
Floor Polish	HY118	1 x 5L

## FLOOR POLISH STRIPPER

- Alkaline based floor polish stripper
- For the effective & fast removal of metallised emulsion polishes
- Designed for light to medium polish removal.



Description	Part No.	Pack
Floor Polish Stripper	HY119	1 x 5L

## FURNITURE POLISH

- Formulated to give furniture & fittings a deep lustrous finish
- Produced from the highest quality materials to give exceptional results every time
- Not for use on waxed or lacquered furniture
- 5L refill pack available for maximum economy



Description	Part No.	Pack
Furniture Polish In Spray Bottle	HY20	1 x 500ml
	HY20T	12 x 500ml

## ANTI STATIC FOAM CLEANER

- Anti static foam cleaner
- Removes dust & dirt from all hard surfaces
- Pleasant aroma



Description	Part No.	Pack
Anti Static Foam Cleaner	HY115	1

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# GENERAL CLEANING CHEMICALS

## TOILET CLEANING

- For toilets & urinals
- Sanitises
- Removes soil & scale



Description	Part No.	Pack
Acid Toilet Cleaner	HY12	1 x 750ml
Pine Toilet Cleaner	HY2002	1 x 750ml
Toilet Descaler	HY2003	1 x 750ml

## TOILET FRESHENERS

- Ensure fresh & clean toilets & urinals after every flush with cistern, urinal and toilet blocks



Description	Part No.	Pack
Clip On Toilet Blocks	HY14	5
Royal Flush Cistern Blocks	HY2013	2
Bucket Of Urinal Blocks	HY2012B	1 x 2.5kg

## AIR FRESHENER

- Fresh, clean floral scent for removing stale odours



Description	Part No.	Pack
Honeysuckle Air Freshener	HY15	1 x 500ml

## GEMSORB ORGANIC ABSORBENT

- Fast acting organic absorbent
- Natural, organic, Non-Toxic & Hydrophobic
- Biodegradable
- Able to absorb up to 10 times its weight
- Soaks up oil & other petroleum based products including paint and PCBs



Description	Part No.	Pack
GEMSORB Organic Absorbent	GEMSORB	10kg

## BLEACH & DISINFECTANT

- For regular sanitising & cleaning of toilet bowls, floors, drains, mopping equipment and other hard surfaces



Description	Part No.	Pack
Thick Bleach	HY2000	1 x 750ml
	HY2001	1 x 5L
Power Disinfectant With Bleach	HY13-5	1 x 5L

## TOILET BRUSH

- Strong plastic handled toilet brush
- Complete with stand



Description	Part No.	Pack
Toilet Brush Set	HY80	1



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# HAND CLEANING & CONDITIONING

## AUTOGEM HAND CLEANER

- Mildly abrasive hand cleaner
- Specially formulated to remove the majority of industrial contaminants
- Solvent free option is pH balanced with a lemon fragrance



Description	Part No.	Pack
Standard Hand Cleaner	HY02	1 x 5L
	HY03	1 x 15L
Solvent Free Hand Cleaner	HY05	1 x 5L

- Liquid hand soap
- Mild formula
- Ideal for customer washroom facilities



Description	Part No.	Pack
Liquid Hand Soap	HY19	1 x 5L

## HAND SOAP

- Fresh fragrant soap tablets
- Ideal for customer washroom facilities



Description	Part No.	Pack
3/4 Oz Hand Soap Tablets	HY18	10
3 Oz Hand Soap Tablets	HY23	5

## DEB HAND PROTECTION PRODUCTS



For over 65 years, the Deb Group has been establishing skin care regimes for all types of workplace and public environments, spanning industrial, commercial, healthcare and food sectors. Drawing on deep technical expertise and extensive field sales support, Deb provides employers with innovative skin care programmes that maximise employee participation through carefully devised, reliable skin care systems, supported by quality products that are both pleasant-to-use and cost effective. Occupational dermatitis is the most prevalent industrial disease in the UK, and is estimated to result in the loss of some 4 million working days each year. In the automotive trade many of the causes of occupational skin disorders are readily found within every garage and workshop throughout the country. Amongst these are oil, fuel, grease, abrasives, solvents, cleaning chemicals and refinishing paints, all of which are handled daily and have the potential to attack the skin leading to dermatitis.

### PROTECT

- Pre-work cream should be applied before each work session, with particular attention paid to the back of the hands, thumbs, finger tips & around the wrists

Perfume-free, non-greasy pre-work skin cream to help protect against contact with water and non-water based contaminants including dry powders

Dispenser: DXDWC191



Part No.	Pack
DXDWC186	1 x 1L

### CLEANSE

- Hands & other soiled parts of the body should be cleaned at the end of each work session, prior to breaks & when visiting the toilets

Advanced formulation, solvent-free heavy duty hand cleanser containing non-abrasive micro-polymer granules for a deep-down cleaning action & moisturiser

Dispenser: DXDWC192



Part No.	Pack
DXDWC182	1 x 4L

### RESTORE

- An after-work conditioning cream should be applied at lunch breaks & at the end of each working day as a minimum
- Regular use can help keep the skin in a healthy condition

A mild, perfume-free and dye-free non-greasy after-work conditioning cream to help maintain healthy skin and avoid dryness

Dispenser: DXDWC191AW



Part No.	Pack
DXDWC187	1 x 1L

### AZURE

- High quality, rich foam hand wash
- Pleasant floral fragrance
- Contains skin conditioners
- Instant foaming & quick rinsing
- Reduces water consumption
- Ideal for public washrooms

Dispenser: DXDWC190



Part No.	Pack
DXDWC189	1 x 1L

## SKIN SAFETY CENTRE

- Offers a 3 step programme meeting your responsibilities towards health and safety
- Advanced ultrasonically sealed 3-step dispensing system for use with Protect, Cleanse & Restore Swarfega® hand care products
- Easy to install
- Wipe clean surface
- Ideal for locations of limited space
- Dimensions: 670mm (w) x 455mm (h)

Starter Kit - Includes:  
 1 x Safety Centre Board  
 1 x DXDWC191D (1L)  
 1 x DXDWC191AW (1L)  
 1 x DXDWC192 (4L)

Part No.	Pack
DXDWC100	1 Kit



## AUTOGEM BARRIER CREAM

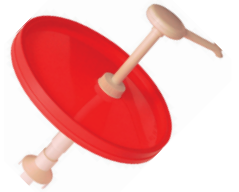
- Provides an effective barrier against dermatitis & skin irritations
- Protects against major soiling from oils, greases, liquids, powders & dusts



Description	Part No.	Pack
Barrier Cream	HY04	2 x 1L

## AUTOGEM HAND CLEANER DISPENSERS

- Dispensers for HY02 & HY03
- Durable plastic lid mounted pump



Description	Part No.	Pack
Dispenser For HY02	HY02D	1
Dispenser For HY03	HY03D	1

- Dispenser for HY19
- Wall mounted
- Pump action



Description	Part No.	Pack
Dispenser For HY19	HY19D	1

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# DISPOSABLE PAPER & WIPES

## BLUE PAPER ROLL

- General purpose paper wipes for use around the workshop



Description	Part No.	Pack
Single Ply Disposable Blue Paper Rolls	HY40	1
Twin Ply Disposable Blue Paper Rolls	HY400	6
Centre Pull Dispenser	HY40D	1

- General purpose paper wipes for use around the workshop
- 400m roll
- 1000 sheets per roll
- 400mm x 280mm sheets



Description	Part No.	Pack
Twin Ply Combi Large Blue Paper Rolls	HY4000	2
Forecourt Stand	HY4001	1

## HIGH ABSORBENCY WIPES

- General purpose high absorbency wipes for use around the workshop
- 56m roll
- 140 sheets per roll
- 400mm x 220mm sheets
- Fits HY40D dispenser



Description	Part No.	Pack
White High Absorbency Wipes	HY46	2

## AUTOGEM AUTOCLEAN WIPES



- Autogem AutoClean Wipes allow you to clean your hands and surfaces of oil, grease, ground in dirt, paints and tars where no water is available, with unrivalled efficiency
- The unique formula is tough enough to remove stubborn grime though mild enough to be completely skin safe
- Ideal for the precision cleaning and maintenance of engine bay and components
- Effortlessly removes insect remains, sap and other stubborn debris from vehicle bodywork
- The resealable packet contains 100 extra large wipes

Description	Part No.	Pack
AutoClean Multi Purpose Wipes	HY2004	100

- Removes Oil, Grease, Dirt & Grime
- Fast Acting & Ready To Use
- Ultra Tough, Non-Tear Material
- Powerful, Hand Safe Formula
- Resealable Packet

## 'C' FOLD PAPER TOWELS

- General use paper hand towels
- 176 towels per sleeve
- 310mm x 230mm sheets



Description	Part No.	Pack
'C' Fold Paper Towels	HY2010	20 Sleeves
Paper Towel Dispenser With Lock	HY2009	1

## TOILET ROLL

- Twin ply toilet rolls
- 200 sheets per roll
- 115mm x 95mm sheets



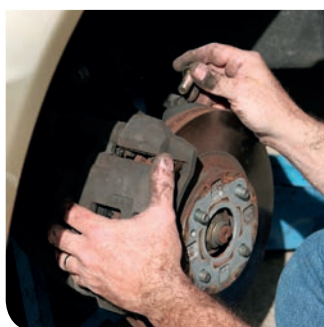
Description	Part No.	Pack
Twin Ply Standard Toilet Rolls	HY42T	36

- Twin ply jumbo toilet rolls
- 1900 sheets per roll
- 200mm x 95mm sheets



Description	Part No.	Pack
Twin Ply Jumbo Toilet Rolls	HY39	6
Jumbo Toilet Roll Dispenser	HY39D	1

## HANDS & GLOVES



## ENGINE COMPONENTS



## INTERIOR SURFACES



## CAR BODY & WHEELS



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# CLEANING & WIPING MATERIALS

## CLEANING RAGS

- 10kg assortment of rags

RAGS01

- Standard assortment of rags

RAGS02

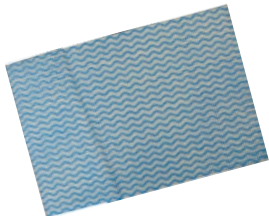
- T-Shirts rags ONLY



Description	Part No.	Pack
10kg Assorted Rags	RAGS01	1
10kg Assorted T-Shirt Rags	RAGS02	1

## CLEANING CLOTHS

- Ideal for cleaning around the workshop and in canteen areas
- Lint free



Description	Part No.	Pack
Fibre Cloths	HY41T	50

- Cotton dish cloths suitable for washing up & wiping down



Description	Part No.	Pack
Cotton Dish Cloths	HY48	10

- High quality general purpose dusters for polishing & cleaning



Description	Part No.	Pack
Yellow Dust Cloths	HY47	10

## SCOURING PADS

- To help remove stubborn stains from pots & pans



Description	Part No.	Pack
Scouring Pads	HY49	10

## NAIL BRUSHES

- Pair of heavy duty nail brushes



Description	Part No.	Pack
Nail Brushes	HY81W	2

## SCRUBBING BRUSH

- Traditional coarse wooden scrubbing brush
- Ideal for cleaning floors & steps



Description	Part No.	Pack
Scrubbing Brush	HY50	1

## DUSTPAN & BRUSH

- Heavy duty plastic dustpan & brush set



Description	Part No.	Pack
Dustpan & Brush Set	HY96	1

## HAND SHOVEL

- 9" black painted hand shovel
- Wooden handle



Description	Part No.	Pack
9" Hand Shovel	HY79	1

## SQUEEGEE'S

- Perfect for clearing water or other liquids from windows and floors



VAL127

VAL128

Description	Part No.	Pack
9" Squeegee / Sponge with Extendable Handle	VAL127	1
24" Squeegee with Wooden Handle	VAL128	1

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# BRUSHES, MOPS, BUCKETS & BINS

## BROOMS & HANDLES



HY69

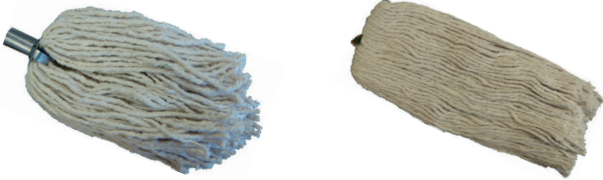
HY75

HY76



Description	Part No.	Pack
12" Soft Yard Broom Head	HY69	1
12" Hard Yard Broom Head	HY75	1
48" Broom Handle For HY69 & HY75	HY76	1
24" Soft Broom Head With Stay	HY77	1
60" Broom Handle For HY77	HY78	1

## MOPS & HANDLES



HY86

HY70



Description	Part No.	Pack
Standard Wool Mop Head	HY86	1
48" Broom Handle For HY86	HY76	1
Kentucky Mop Head	HY70	1
Kentucky Mop Handle For HY70	HY71	1

## MOP BUCKETS

- Standard galvanised steel mop bucket with wringing cone



Description	Part No.	Pack
Galvanised Steel Mop Bucket	HY72	1

- Metal mop bucket with wringing attachment
- Foot pedal to engage wringing mechanism
- Compatible with HY70 mop head



Description	Part No.	Pack
Kentucky Mop Bucket & Wringing Attachment	HY85	1

## BINS & LINERS



HY82

HY83

HY84

Description	Part No.	Pack
35 Litre Swing Bin	HY82	1
50 Litre Swing Bin	HY83	1
Large Black Plastic Industrial Dustbin	HY84	1
Swing Bin Liners For HY82 & HY83	HY51	100
Black Dustbin Liners For HY84	HY44	25

## BUCKET

- Heavy duty plastic bucket



Description	Part No.	Pack
Heavy Duty 15 Litre Plastic Bucket	HY74	1

## WATERING CAN

- Galvanised steel 9L watering can



Description	Part No.	Pack
9 Litre Watering Can	HY73	1

## SPRAY BOTTLE / DISPENSER

- Empty 500ml trigger spray
- Ideal replacement dispenser



Description	Part No.	Pack
Empty 500ml Spray Bottle	HY11	1

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# HAND PROTECTION

## DISPOSABLE GLOVES - NITRILE SUPERIOR SPEC WITH EXTRA GRIP

- Powder free extra strength disposable nitrile gloves with multi grip
- Durable single use protective glove packed in a controlled pop up box
- Ideal for mechanics, engineers, agricultural & general use
- Wet, dry & oily grip
- Protects against contamination from dirt & potential irritants in low risk situations
- Rolled cuff for additional strength & prevention of liquid roll back



Description	Part No.	Pack
Medium Powder Free Nitrile Grip Gloves - ORANGE	HY300M	50
Large Powder Free Nitrile Grip Gloves - ORANGE	HY300L	50
X-Large Powder Free Nitrile Grip Gloves - ORANGE	HY300XL	50

## DISPOSABLE GLOVES - NITRILE HIGH SPEC

- High specification, powder free disposable nitrile gloves
- Extra durable single use protective glove packed in a controlled pop up box
- Protects against contamination from dirt & potential irritants in low risk situations
- Textured surface for easy grip
- Rolled cuff for additional strength & prevention of liquid roll back
- Black



Description	Part No.	Pack*
Medium Powder Free Nitrile Gloves - High Spec	HY271M	100
Large Powder Free Nitrile Gloves - High Spec	HY271L	100
X-Large Powder Free Nitrile Gloves - High Spec	HY271XL	100

## DISPOSABLE GLOVES - NITRILE

- Powder free disposable nitrile gloves
- Durable single use protective glove packed in a controlled pop up box
- Protects against contamination from dirt & potential irritants in low risk situations
- Textured surface for easy grip
- Rolled cuff for additional strength & prevention of liquid roll back
- Blue



Description	Part No.	Pack*
Medium Powder Free Nitrile Gloves	HY270M	100
Large Powder Free Nitrile Gloves	HY270L	100
X-Large Powder Free Nitrile Gloves	HY270XL	100

## DISPOSABLE GLOVES - LATEX

- Powder free disposable natural latex gloves
- Durable single use protective glove packed in a controlled pop up box
- Protects against contamination from dirt & potential irritants in low risk situations
- Provides maximum dexterity, sensitivity & comfort
- Rolled cuff for additional strength & prevention of liquid roll back



Description	Part No.	Pack*
Medium Powder Free Latex Gloves	HY240M	100
Large Powder Free Latex Gloves	HY240L	100
X-Large Powder Free Latex Gloves	HY240XL	100

\* packed in boxes of 100 gloves by weight

## NITRILE COATED KNITTED GLOVES

- Black, lightweight PU work glove
- Ideal for light duty protection
- Retains a sensitive feel for dexterity
- Perfect for mechanics, plumbers, decorators & general use



Description	Part No.	Pack
Medium Nitrile Coated Knitted Gloves	HY280M	1 Pair
Large Nitrile Coated Knitted Gloves	HY280L	1 Pair
X-Large Nitrile Coated Knitted Gloves	HY280XL	1 Pair

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# PERSONAL PROTECTIVE EQUIPMENT

## ELECTRICIANS GLOVES

- Latex electricians gloves
- Excellent electrical resistance
- Anatomical shape for greater user comfort

Class 0:  
 • Maximum working AC voltage 1,000V  
 • Length: 36cm



Description	Part No.	Pack
Electricians Gloves	HY301	1 Pair

## GENERAL PURPOSE WORK GLOVES

- General purpose leather work gloves



Description	Part No.	Pack
General Purpose Gloves	GLV01	1 Pair
	GLV02	5 Pairs

## WELDING GLOVES

- Leather
- Fully lined



Description	Part No.	Pack
High Quality Heavyweight Welders' Gauntlets	HY67	1 Pair

## GENERAL PURPOSE RUBBER GLOVES

- General purpose rubber gloves



Description	Part No.	Pack
Tough General Purpose Rubber Gloves	HY66	1 Pair

## CHEMICAL RESISTANT RUBBER GLOVES

- Heavy duty PVC gloves
- Petrol & oil resistant
- Knitted wrist
- Heavy duty rubber gauntlets
- Acid resistant



Description	Part No.	Pack
PVC Rubber Gloves (Petrol & Oil Resistant)	HY65	5 Pairs
Rubber Gauntlets (Acid Resistant)	HY502	1 Pair

## KEVLAR SLEEVE

- 14" Kevlar sleeve



Description	Part No.	Pack
14" Kevlar Sleeve	HY239	1 Pair

## PROTECTIVE APRON

- Acid resistant rubber apron
- Protection when handling batteries



Description	Part No.	Pack
Acid Resistant Rubber Apron	HY503	1

## HIGH VISIBILITY WAIST COAT

- Saturn yellow high visibility waistcoat
- 100% knitted polyester
- Velcro fastening
- Retro-reflective braces and body bands



Description	Part No.	Pack
Extra Large Waistcoat	HY495	1

## HIGH VISIBILITY JACKET

- Saturn yellow quilted bomber jacket
- Concealed hood
- Fully waterproof with storm flap
- Retro-reflective braces and body bands



Description	Part No.	Pack
Large Bomber Jacket	HY496	1
Extra Large Bomber Jacket	HY497	1

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# MOLDEX RESPIRATORY PROTECTION



Moldex is one of the world's leading manufacturers of respiratory and hearing protection products. Founded in California in 1980, Moldex Germany was established five years later with the aim of developing and producing products to European standards. In addition to safety, usability and quality, the foremost objectives of product development are sustainability and design.

## RESPIRATORY PROTECTION

Filtering Face Pieces (FFP) Masks are commonly used to protect wearers against varying levels of contamination. It is important to use the right level of protection against any potential contaminants. Below is a simple guide to the different levels of protection available.

	AUTOMOTIVE		AGRICULTURAL			METAL WORKING			STONE WORKING		WOOD WORKING			OTHER			
	Grinding & Polishing	Brake Pads & Clutches	Water Based Spray	Bacteria & Mould Contact	Contact With Viruses	Cutting, Grinding, Drilling	S/Less Steel, Coated Metals	Laser Cutting	Cutting & Drilling	Cement & Quartz	Cutting By Hand	Cutting By Machine	Drilling	Hardwood Cutting & Drilling	Cutting & Drilling Plastics	Waste Disposal	Allergies
FFP1																	
FFP2	•		•	•		•			•			•			•		•
FFP3		•			•	•	•	•		•			•			•	

These recommendations are made on the basis of guidelines in respiratory protection and reflect the present legislation and knowledge. This information should only be used as a guide, it remains the responsibility of the user to identify all the contaminants and contaminant levels to ensure the correct protection is selected and worn at all times.

## FFP MASKS

- Proven shape & durable FFP mask
- Duramesh® - Strong & durable structure keeps the mask in shape
- Activform® - No nose clip needed
- Loop strap - For quick, simple & safe on/off
- Tested & certified to EN 149:2001+A1:2009



- FFP mask with pleated filter technology = 260% more filter surface area
- Significantly reduces breathing resistance
- High filter capacity, longer usage time
- Duramesh® - Strong & durable structure, keeps the mask in shape
- Activform® - No nose clip needed
- Comfortable nose seal
- Loop strap with clip for quick, simple & safe on/off
- Tested & certified to EN 149:2001+A1:2009
- Available in two sizes:
  - Small/Medium
  - Medium/Large



Description	Part No.	Pack
Moldex Classic FFP1 Face Mask With Valve	HY331	20
Moldex Classic FFP2 Face Mask With Valve	HY332	20
Moldex Classic FFP3 Face Mask With Valve	HY333	20

Description	Part No.	Pack
Moldex Air FFP2 Face Mask With Valve (S/M)	HY342M	10
Moldex Air FFP2 Face Mask With Valve (M/L)	HY342L	10
Moldex Air FFP3 Face Mask With Valve (S/M)	HY343M	10
Moldex Air FFP3 Face Mask With Valve (M/L)	HY343L	10

## SERIES 7000 HALF MASK

- Mask body made of soft, TPE material
- Gentle on the skin
- Easy maintenance & cleaning without tools
- Easylock® filter system - Easy handling
- No additional adapters or parts necessary
- Drop down option - mask can be worn around the neck during breaks
- Tested & certified to EN 140:1998

**EASYLOCK®**



Description	Part No.	Pack
HF Mask & Pre-Assembled A2 P3 R Filters (M)	HY350	1 Kit

## EASYLOCK FILTERS - SERIES 7000 & 9000

- Particulate filters can be connected with gas cartridges or directly to mask body
- Adaptors & particular pre-filters not necessary
- On average 30% less parts
- Particulate filters with pleated filter technology
- Significantly reduces breathing resistance, improves wearer comfort & reduces fatigue
- Particulate filters tested & certified to EN 143:2000+A1:2006
- Gas filters tested & certified to EN 14387:2004+A1:2008

**EASYLOCK®**



Description	Part No.	Pack
EASYLOCK Gas Filter Cartridges (A2)	HY380	1 Pair
EASYLOCK Gas Filter Cartridges (ABEK1)	HY382	1 Pair
EASYLOCK Particulate Filters (P3R)	HY390	1 Pair

## SERIES 9000 FULL FACE MASK

- Extremely lightweight full face mask
- Only 360g
- Frameless panoramic lens
- Fulfills the high requirements of Class 2
- Mask body made of soft, TPE material
- Gentle on the skin
- Easy access, easy to remove
- Easy maintenance and cleaning without tools
- Easylock® filter system - Easy handling
- No additional adapters or parts necessary
- Tested & certified to EN 136:1998 CL2

**EASYLOCK®**



Description	Part No.	Pack
FF Mask & Pre-Assembled ABEK1 P3 R Filters (M)	HY355	1 Kit



Full Range Of Moldex Respiratory & Hearing Protection Products Available Ask Our Sales Staff If The Product You Require Is Not Shown

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# MOLDEX HEARING PROTECTION

## HEARING PROTECTION

The Control of Noise at Work Regulations state that if the noise levels in the workplace exceed 80dB(A) - (Lower Exposure Action Value), hearing protection must be available upon request. If the noise levels exceed 85dB(A) - (Upper Exposure Action Value), the provision and wearing of hearing protection is mandatory. An Exposure Limit of 87dB(A) has been introduced, this level of noise must not be exceeded even when wearing ear protection.

All Moldex Earplugs and Earmuffs are sound rated to the recognised Single Number Rating (SNR) system - which indicates how much protection the product will give. Using the M1 Earmuffs in a noisy environment of 100dB for example, which have a SNR of 31dB, would result in the wearer experiencing a noise reduction to around 69dB - which is well below the legal threshold.

## EXAMPLES OF NOISE LEVELS

Office 60dB	Traffic Noise 85dB	Car Horn 120dB	Jet Engine 140dB
80dB+ Protection Advised		85dB+ Protection Mandatory	120dB+ Harmful

## SPARK PLUGS® DISPOSABLE EARPLUGS

- Tapered design
- Made of soft PU-foam
- Appealing colours
- Packed in pairs
- Available in hygienic dispenser system
- Tested & certified to EN 352-2:2002



Description	Part No.	Pack
Spark Plugs® - Disposable Earplugs - SNR 35dB	HY320	1 Pair
Spark Plugs® (250 Pairs) in Dispenser	HY321	250 Pairs
Wall Mount For HY321	HY321D	1 Kit

## CONTOURS® DISPOSABLE EARPLUGS

- Extremely comfortable earplugs
- Anatomical shape that adapts to the ear canal
- Cost effective alternative to moulded earplugs
- 99% of people should find a fit
- Available in two sizes
- Made of soft PU-foam
- Packed in pairs
- Tested & certified to EN 352-2:2002



Description	Part No.	Pack
Contours® - Disposable Earplugs - SNR 35dB - S	HY322	1 Pair
Contours® - Disposable Earplugs - SNR 35dB - Std	HY323	1 Pair

## ROCKETS® REUSABLE EARPLUGS

- Washable & reusable earplugs
- Made of soft, TPE material - Gentle on the skin
- Solid handle ensures easy insertion & removal
- Comes with handy pocketpak storage container
- Air-cushioned tip
- Soft flexible design
- Tested & certified to EN 352-2:2002



Description	Part No.	Pack
Rockets® - Reusable Earplugs - SNR 30dB	HY324	1 Pair
Rockets® - Reusable Earplugs (Corded) - SNR 30dB	HY325	1 Pair

## WAVEBAND® 1K BANDED EARPLUGS

- Anatomically designed banded earplugs
- Worn under the chin to allow freedom of movement without contact sounds
- Extremely lightweight - Only 12g
- Band pressure only 1.2N for high level of comfort
- Replacement pods - available separately
- Tested & certified to EN 352-2:2002



Description	Part No.	Pack
WaveBand® 1K - Banded Earplugs - SNR 27dB	HY326	1 Band
WaveBand® Replacement Pods - SNR 27dB	HY327	1 Pair

## M1 EARMUFFS - SNR 31dB

- High quality earmuffs
- Soft coat material with exclusive metallic colour
- Six adjustment points
- Padded steel headband, comfortable & robust
- Folds into compact size for easier storage & hygiene
- Recommended to replace cushions & foam inserts - 6 monthly intervals
- Tested & certified to EN 352-1:2002



Description	Part No.	Pack
M1 Earmuffs - SNR 31dB	HY328	1 Pair

## M2 EARMUFFS - SNR 27-30dB

- Practical earmuffs
- Soft coat material with exclusive metallic colour
- Moulded cup grips make fitting & alignment quick & easy
- Wide range of cup adjustment gives excellent pressure distribution for all sizes
- Recommended to replace cushions & foam inserts - 6 monthly intervals
- Tested & certified to EN 352-1:2002



Description	Part No.	Pack
M2 Earmuffs - SNR 27-30dB	HY329	1 Pair

- Replacement cushions & foam inserts for M1 & M2 earmuffs



Description	Part No.	Pack
Hygiene Kit - Cushion & Foam Inserts	HY330	1 Kit



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# PERSONAL PROTECTIVE EQUIPMENT

## HEAD PROTECTION

- General purpose hard hat



Description	Part No.	Pack
General Purpose Safety Hat	HY90Y	1

- General purpose bump cap
- Handy when working under vehicles
- Lower profile compared to hard hat offers protection in tight spaces



Description	Part No.	Pack
Bump Cap	HY91	1

## FACE PROTECTION

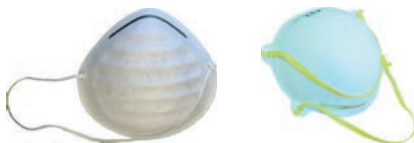
- Full face grinding mask
- Flip up front
- Replacement visors available



Description	Part No.	Pack
Grinding Mask Complete With Clear Visor	HY105	1
Clear Visor For HY105	HY106	1

- Nuisance & dust masks

More options available in our Moldex range on page 164



Description	Part No.	Pack
Economy Face Mask - Nuisance Only	HY28	50
Economy Dust Mask - With Valve	HY26	5
FFP2 Face Mask	HY28P	20
FFP2 Face Mask - With Valve	HY29	20

## HEARING PROTECTION

- General purpose ear defenders



Description	Part No.	Pack
General Purpose Ear Defenders	HY103	1 Pair

## EYE PROTECTION



Description	Part No.	Pack
Bolle Contour Glasses With Side Shield	HY130	1 Pair



Description	Part No.	Pack
Scratch Resistant Safety Glasses	HY63	1 Pair

- Clear polycarbonate lens
- PVC frame
- BS 2092



Description	Part No.	Pack
Particle Resistant Goggles	HY61	1 Pair

- Clear polycarbonate lens
- PVC frame
- BS 2092



Description	Part No.	Pack
Molten Material Resistant Goggles	HY104	1 Pair



Description	Part No.	Pack
Tinted Gas Welding Goggles	HY62	1 Pair



Description	Part No.	Pack
Bolle Coverall Welding Goggles	HY131	1 Pair

- Disposable low pressure foam earplugs



Description	Part No.	Pack
Foam Earplugs	HY35	10 Pairs

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## FIRST AID KITS



Triangular Bandage & Fasteners x 4  
 Medium Dressings (120mm x 120mm) x 6  
 Large Dressings (180mm x 180mm) x 2  
 No. 16 Eye Dressings x 2  
 Waterproof Plasters x 20  
 Alcohol Free Wipes x 10  
 Pair of Latex Gloves x 1

HSE compliant for the work place  
 (1-10 employees)



Description	Part No.	Pack
Wall Mountable First Aid Kit (1-10 Employees)	HY31	1 Kit



Triangular Bandage & Fasteners x 1  
 Conforming Bandage (50mm) x 1  
 Medium Dressing (120mm x 120mm) x 1  
 Low Adherent Dressings (50mm x 50mm) x 2  
 Fabric Plasters x 10  
 Waterproof Plasters x 10  
 Antiseptic Wipes x 3  
 Eye Bath x 1  
 Pair of Latex Gloves x 1  
 Surgical Tape x 1  
 Safety Pins x 6  
 Finger Gauze & Applicator x 1  
 Forceps x 1

Description	Part No.	Pack
Wall Mountable First Aid Kit (Standard)	HY30	1 Kit

## EMERGENCY EYEWASH

- If mains tap water is not readily available for eye irrigation, at least one litre of sterile water or sterile normal saline (0.9% w/v) in sealed, disposable containers should be provided
  - Once the seal has been broken, containers should not be kept for reuse
  - Containers should not be used beyond their expiry date
- Source - [www.hse.gov.uk](http://www.hse.gov.uk)



Description	Part No.	Pack
Eye Wash Station (With 2 x 500ml Eye Wash Solution)	HY33	1 Kit
Replacement Eye Wash Solution (500ml)	HY34	1 x 500ml

## SAFETY PINS

- Safety pins



Description	Part No.	Pack
Assorted Safety Pins	HY314	12

## ANTISEPTIC WIPES

- Alcohol free antiseptic wipes



Description	Part No.	Pack
Antiseptic Wipes	HY36	10 Wipes

## PADS & BANDAGES

- Sterile pads for wound and eye dressing
- Large non woven triangular bandage comes with 2 safety pins



Description	Part No.	Pack
Medium Sterile Dressing (120mm x 120mm)	HY315	5
Large Sterile Dressing (180mm x 180mm)	HY316	2
Eye Pad - Sterile Dressing	HY312	2
Triangular Bandage (960mm x 960mm x 1350mm)	HY313	5

## FIRST AID ASSORTMENTS

- Various assortments of dressings & wipes

More details in the assortments selection on page 92



Description	Part No.	Pack
Assorted Fabric Dressings	AT33	150
Assorted Waterproof Dressings	AT78	150
Assorted Dressings & Wipes	AT100	120

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# TERMS & CONDITIONS OF SALE

STANDARD TERMS AND CONDITIONS OF SALE OF  
AUTOGEM INVICTA LTD

## 1. DEFINITIONS

'The Company' or 'Seller' means Autogem Invicta Ltd  
'Customer' or 'Buyer' means the legal entity accepting the Company's written or oral quotation for the supply of Goods or whose order for Goods has been accepted by the Company.  
'Goods' means any goods or services supplied by the Company, including any packaging materials  
'Agreement' means a contract for the supply of Goods incorporating these terms and conditions.

## 2. GENERAL

2.1 All quotations are made and all orders are accepted subject to the following conditions.  
2.2 The Agreement supersedes all prior agreements, arrangements and understandings between the parties relating to the subject matter hereof. All other conditions or warranties whatsoever are excluded from the Agreement unless expressly accepted by the Company in writing.  
2.3 Quotations shall be available for acceptance for a maximum period of 30 days (unless otherwise agreed in writing by the Company) from the date thereof and may be withdrawn by the Company within such period at any time by written or oral notice.  
2.4 Quotations, offers and tenders for the whole of the Goods for which the same are given by the Company and the Company reserves the right to refuse acceptance of any order which constitutes part only of the Goods forming the subject of the quotation, offer or tender.  
2.5 If following the issue by the Company of a quotation, offer or tender, an order is not placed, the Customer is liable to reimburse any expenses incurred by the Company at the Customer's request.  
2.6 If any statement or representation has been made to the Customer by the Company its servants or agents upon which the Customer relies other than in the documents enclosed with the Company's quotation or acknowledgment of order then the Customer must set out that statement or representation in a document to be attached to or endorsed on the order and in any such case the Company may confirm reject or clarify the point and submit a new quotation.  
2.7 The Company reserves the right to correct at any time any clerical or typographical errors made by its servants, employees or agents.

## 3. DELIVERY

3.1 Delivery times quoted are subject to confirmation after receipt of order and while the Company will be as accurate as possible on the issue of such times the same can not be guaranteed. The Customer shall have no right to damages or to cancel the order for any cause to meet any delivery time stated.  
3.2 The date of delivery shall in every case be dependent upon prompt receipt of all necessary information final instructions or approvals from the Customer.  
3.3 Failure by the Customer to take delivery of or to make payment in respect of any one or more installments of the Goods delivered hereunder shall entitle the Company to treat the whole Agreement as repudiated by the Customer.  
3.4 The Company will endeavour to comply with reasonable requests by the Customer for postponement of delivery but shall be under no obligation to do so. Where delivery is postponed otherwise than due to default by the Company the Customer shall pay all costs and expenses including a reasonable charge for storage and transportation occasioned thereby and payment for the Goods shall in accordance with these conditions.  
3.5 The Company reserves the right to charge the Customer for any demurrage costs incurred in the event of vehicles being unduly delayed at the Customer's works when delivering.

## 4. RISKS AND TITLE

4.1 Risk shall pass to the Customer so that the Customer is responsible for all loss damage or deterioration to the Goods at the time when the Goods leave the premises of the Company.  
4.2 Title to the Goods or any relevant part thereof shall only pass to the Customer if:-  
4.3 the Customer has paid to the Company all monies and sums due and payable by it to the Company under this Agreement and all other prior contracts or agreements between the Company and the Customer, or  
4.4 when the Company serves on the Customer notice in writing specifying that title in the Goods or such part thereof has passed.  
4.5 the Company may recover Goods in respect of which title has not passed to the Customer at any time and the Customer hereby licenses the Company, its officers, employees and agents to enter upon any premises of the Customer for the purpose of satisfying itself that condition 4.6 below is being complied with by the Customer or of recovering any Goods in respect of which property has not passed to the Customer. In the event of the Goods being at the premises of a third party by the direction of the Customer then the Customer shall if so required by the Company remove the Goods from such premises and return them to the Company forthwith.

4.6 If the Company so requires the Customer shall store the Goods separately from other goods and shall ensure that they are clearly identifiable as belonging to the Company.

## 5. CANCELLATION

5.1 Cancellation will only be agreed to by the Company on condition that all costs and expenses incurred by the Company up to the time of cancellation and all loss of profits and other loss or damage resulting to the Company by reason of such cancellation will be paid forthwith by the Customer to the Company.

## 6. PRICES

6.1 All prices are unless otherwise stated quoted net exclusive of VAT and exclusive of carriage. The company reserves the right to alter prices without prior notification prior to despatch of the goods.

## 7. TERMS OF PAYMENT

7.1 Unless otherwise agreed by the Company in writing payment shall be made in full within 30 days of the date of the invoice.  
7.2 Where Goods are delivered by installments the Company may invoice each installment separately and the Customer shall pay such invoices in accordance with these conditions.  
7.3 No disputes arising under the contract nor delays beyond the reasonable control of the Company shall interfere with prompt payment in full by the Customer.  
7.4 In the event of default in payment by the Customer the Company shall be entitled without prejudice to any other right or remedy to suspend all further deliveries on any contract or contracts between the Company and the Customer without notice and to charge interest on any amount outstanding at the rate of 4% per annum above the Base Rate of Lloyds Bank PLC in force at the time when payment was due.

## 8. DIMENSIONS AND APPLICATION OF PARTS

8.1 The Company reserves the right to alter or change dimensions of the Goods supplied within reasonable limits having regard to the nature of the Goods. Dimensions specified by the Company are to be treated as approximate only unless the Customer specially states in writing that exact measurements are required.

Whilst every endeavour has been made to ensure that goods are accurately described and are believed to be fit for purpose and vehicles as mentioned in our catalogues, no warranty to this effect is given and no responsibility will be accepted in the event of an error or mis-description in any catalogues or cross reference list or any damage resulting there from. Manufacturers or competitors part numbers used by the Company in catalogues, cross reference lists or elsewhere are used for guidance purposes only.

## 9. DEFECTS APPARENT ON INSPECTION AND NOTIFICATION OF NON DELIVERY OR DAMAGE

9.1 The Customer shall have no claim for defects apparent on visual inspection unless:-  
9.2 The Customer inspects the Goods within two working days of arrival at its premises or other agreed destination and a written complaint is made to the Company within five days of receipt of the Goods.  
9.3 if a complaint is not made to the Company as herein provided then the Goods shall be deemed to be in all respects in accordance with the Agreement and the Customer shall be bound to pay for the same accordingly.  
9.4 Notification of non delivery of goods must be made within seven days of receipt of goods. Notification of short delivery of goods must be made within seven days of receipt of goods. If goods are delivered in a damaged condition the carrier's advice note must be marked accordingly and the Company informed within 3 days. Non conformance with this invalidates the Buyers right to claim.

## 10. LIABILITY

10.1 Save where the Company is shown to have failed to exercise reasonable care in the supply of the Goods and such failure results in death or personal injury the Company shall not be liable in respect of claims arising by death or personal injury. Further under no circumstances whatsoever shall the Company be liable for consequential loss (including removal or rectification work required in connection with the installation of repaired or replacement Goods) loss of profits or damage to property.

## 11. CUSTOMER'S DRAWINGS

11.1 The Customer shall be solely responsible for ensuring that all drawings information advice and recommendations given to the Company either directly or indirectly by the Customer or by the Customer's agents servants consultants or advisers are accurate correct and suitable. Examination or consideration by the Company of such drawings information advice or recommendations shall in no way limit the Customer's responsibility hereunder unless the Company specifically agrees in writing to accept responsibility.  
11.2 The Customer shall indemnify the Company from and

against all actions claims costs and proceedings which arise due to the manufacture of Goods to the Drawings or specifications of the Customer where such drawings or specifications are at fault or where it is alleged that they involve an infringement of a patent copyright registered design or design copyright or other exclusive right.

## 12. INSOLVENCY

12.1 If the Customer shall become bankrupt or under the provisions of Section 123 of the Insolvency Act 1986 is deemed to be unable to pay its debts or compounds with creditors or in the event of a resolution being passed or proceedings commenced for the administration or liquidation of the Customer (other than for a voluntary winding up for the purpose of reconstruction or amalgamation or if a Receiver or Manager is appointed of all or any part of its assets or undertaking the Company shall be entitled to cancel the Agreement in whole or in part by notice in writing without prejudice to any right or remedy accrued or accruing to the Company.

## 13. FORCE MAJEURE

13.1 Neither party shall be under any liability for any delay loss or damage caused wholly or in part by act of God governmental restriction condition or control or by reason of any act done or not done pursuant to a trade dispute whether such dispute involves its employees or not by reason of any other matter or thing beyond its reasonable control including failure by the other party to carry out the provisions of these conditions.  
13.2 Should the performance of any obligation of the Company be prevented, delayed or in any way interfered with due to any of the aforesaid matters then the Company may at its option suspend performance or cancel its obligations under the contract without any liability whatsoever, such suspension or cancellation being without prejudice to the Company's right to recover all sums owing to it in respect of consignments delivered and costs incurred prior to the date of suspension or cancellation.

## 14. CUSTOMER SAMPLES

14.1 The Company can not accept responsibility for Customer's samples, drawings, tools and the like while in the Company's possession and the Company will not accept any claim for loss, breakages or damages to the same whatever the cause.

## 15. NOTICES

15.1 All notices must be in writing and sent to the address of the recipient set out in the Agreement or the recipients registered office or such other address as the recipient may designate.  
15.2 Any such notice may be delivered personally or by first class prepaid letter, telex or facsimile transmission and shall be deemed to have been served if by hand when delivered, if by first class post 48 hours after posting and if by telex or facsimile transmission when dispatched.  
15.3 Any notice concerning the validity or existence of the Agreement must be delivered personally or sent by recorded delivery first class letter post.

## 16. SEVERANCE

16.1 If any provision of the Agreement is held by any competent authority to be invalid unenforceable in whole or in part, the validity of the other provisions of the Agreement and remainder of the provisions in question shall not be affected.

## 17. BUYERS CONDITIONS

17.1 No conditions of sale imposed by the Buyer shall have an effect in relation to as sale by the Company unless the Company expressly agrees otherwise in writing

## 18. LAW AND JURISDICTION

18.1 The Agreement shall be governed by and construed in accordance with the laws of England and shall be subject to the exclusive jurisdiction of the English Courts.

We will be happy to clarify any of the foregoing notes.

Please do not hesitate to contact a member of our sales office team.

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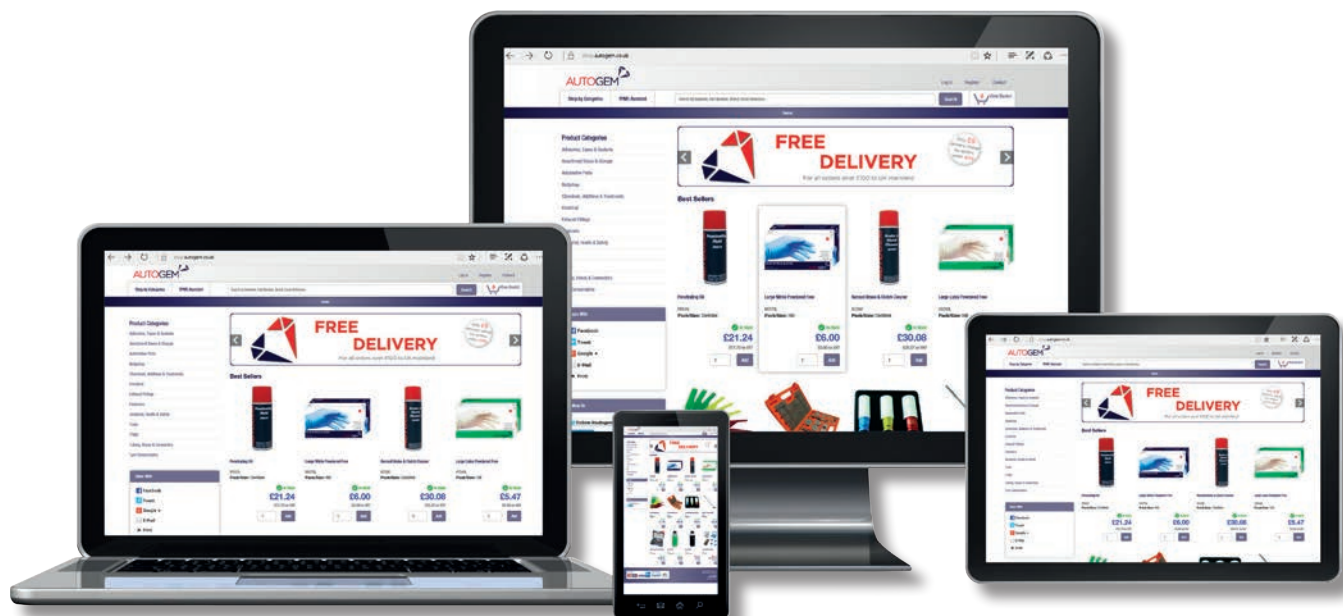
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your  
order

simple, convenient ordering process  
available anytime, anywhere - 24/7

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save  
your  
order

catering for single users & multi site  
operations throughout the UK

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amend  
your  
order

bespoke account management for larger  
organisations & groups including:  
spend controls & reporting  
tailored product portfolio

---

complete  
your  
order

“TPMS Assistant” for registered users with  
make, model, year lookup & FAQ’s  
[www.shop.autogem.co.uk/tpms](http://www.shop.autogem.co.uk/tpms)

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use your existing trade account  
or simply pay online at the checkout





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