

# HIGHVELD

*Garage Equipment CC*

CK 85/005300/23

## Garage equipment & special tools catalogue 2024

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HIGHVELD GARAGE EQUIPMENT CC was established in 1985.

We specialise in quality garage equipment and tools, either imported by ourselves, purchased from local wholesalers or manufactured in South Africa. We do not sell inferior products, but only well known, professional products, always taking value for money into consideration.

Our office is located in Montana, Pretoria, where safe parking on premises, is always available. Our facility includes a showroom, modern offices, training centre, mechanical workshop, electronic workshop and warehouse.

Our own technicians ensure that the equipment is professionally installed and serviced when required. We do not use agents or 3rd party companies to do our installations and training.

Training schools on automotive diagnostics and wheel service equipment, are held regularly.

National and International sales and service, are done throughout Southern Africa.

We pride ourselves on providing a friendly, yet professional and personal service.

## **Mission Statement**

**We at Highveld Garage Equipment CC are committed to be market leaders in the garage equipment industry. We strive to offer the best products, always taking value for money into consideration. With superior industry knowledge we will back the products with the best possible service.**



**Highveld Garage Equipment CC building at  
42 Taaifontein st, Cnr Khai Apple st, Montana, Pretoria**

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## 2 Post lifts



### 002-014 2 Post lift 4000Kg With base

Electro hydraulic 230V Single phase.  
Control box with isolator switch included.  
Capacity 4000Kg.  
The arms lock automatically when raised.  
One set of extension adaptors included.  
Suitable for most car, bakkie and 4X4 vehicles.  
Single point lock release for easy operation.  
Complies with all safety regulations.



### 002-022 2 Post lift 4200Kg Base free

Electro hydraulic 230V Single phase.  
Control box with isolator switch included.  
Capacity 4200Kg.  
The arms lock automatically when raised.  
One set of extension adaptors included.  
Suitable for most car, bakkie, and 4X4 vehicles.  
Very low maintenance required due to direct drive cylinders.  
Single point lock release for easy operation.  
Complies with all safety regulations.

## 4 Post lifts



### 004-010 4 Post lift 4000Kg Standard

4000 Kg capacity.  
220V Single phase.  
Mechanical safety lock at each pillar.  
No need for pneumatic connection. 220V Only.  
Lift can be mechanically lowered in case of power failure.  
Complies with all safety regulations.  
Auxiliary jack not included.



### 004-020 4 Post lift 4000Kg With alignment plates

4000 Kg capacity.  
220V Single phase.  
Suitable for wheel alignment with built in slip plates and turntable recesses.  
Turntables not included.  
Mechanical safety lock at each pillar.  
No need for pneumatic connection. 220V Only.  
Lift can be mechanically lowered in case of power failure.  
Complies with all safety regulations.  
Auxiliary jack not included.

## Auxiliary jacks



### 006-010 Auxilliary jack Pneumatically operated

2800 Kg capacity. To be used with Peak 4 Post lift or most 4 Post lifts and pits, with rail at the bottom.  
Complete with cradle, lifting pads and extension pieces.  
Mechanical safety lock

## Low level lifts



**008-020**  
**Low level lift**  
**Single cylinder**

Capacity 2.8 Ton.  
 Uses professional hydraulic pump 220V Single phase or 380V Three phase (on request).  
 Suitable for cars and 4X4 vehicles.  
 Used in tyre shops, general workshops and panel beaters.  
 Maximum height 600mm.

## Motorcycle lifts



**010-005**  
**Motorcycle lift**  
**Foot operated (Manual)**  
 Capacity 450 Kg  
 Minimum height 195 mm.  
 Maximum height 780 mm.  
 Weight 133Kg.



**010-020**  
**Motorcycle lift**  
**Pneumatically or manually operated**  
 Capacity 450 Kg  
 Minimum height 195mm.  
 Maximum height 780 mm.  
 Weight 133Kg.

## Ramps



**010-030**  
**Motorcycle lift**  
**Manually operated**  
 Capacity 500 Kg  
 Minimum height 100mm.  
 Maximum height 340mm.  
 Weight 15Kg.



**012-010**  
**Car ramps**  
 Sold in pairs  
 Length 820mm  
 Width 300mm  
 Height 225mm



Heavy duty car ramps (Sold each)			
Code	Length	Width	Height
012-020	1200mm	250mm	250mm
012-030	1500mm	250mm	250mm

## Trestles



Trestles With ratchet Sold in pairs			
Code	Capacity	Min height	Max height
014-010	2 Ton	275mm	425mm
014-020	3 Ton	285mm	425mm
014-030	6 Ton	410mm	600mm
014-040	12 Ton	487mm	748mm



Trestles With pin Sold individually			
Code	Capacity	Min height	Max height
014-050	2 Ton	1200mm	1800mm
014-060	3 Ton	320mm	520mm
014-070	6 Ton	375mm	560mm
014-080	12 Ton	470mm	770mm
014-090	25 Ton	520mm	790mm
014-100	50 Ton	520mm	790mm

## Bottle jacks



Bottle jacks					
Code	Capacity	Min height	Stroke	Adjustment	Max height
016-010	2 Ton	158mm	90mm	60mm	308mm
016-015	3 Ton	195mm	125mm	60mm	380mm
016-025	5 Ton	197mm	125mm	60mm	382mm
016-040	8 Ton	200mm	125mm	60mm	385mm
016-050	10 Ton	200mm	125mm	60mm	385mm
016-060	12 Ton	210mm	125mm	60mm	395mm
016-070	15 Ton	225mm	140mm	60mm	425mm
016-080	20 Ton	235mm	145mm	60mm	440mm
016-085	30 Ton	255mm	150mm		405mm
016-100	50 Ton	255mm	150mm		405mm
016-110	100 Ton	300mm	180mm		480mm

## Air bottle jacks



Bottle jacks Pneumatic type					
Code	Capacity	Min height	Stroke	Adjustment	Max height
018-010	20 Ton	260mm	170mm	80mm	510mm
018-020	30 Ton	250mm	150mm		400mm
018-030	50 Ton	265mm	160mm		425mm

## Trolley jacks



**020-040**  
Trolley jack  
DIY type  
3 Ton  
Light duty trolley jack for DIY use.  
Handle turns 360 degree  
Minimum height 130mm  
Maximum height 410mm  
Body length 590mm



**020-005**  
Trolley jack  
Standard profile  
3 Ton  
Suitable for most workshops  
Minimum height 130mm  
Maximum height 495mm  
Body length 630mm



**020-025**  
Trolley jack  
Low profile  
3 Ton  
Low profile trolley jack suitable for workshops with low vehicles  
Minimum height 75mm  
Maximum height 505mm  
Body length 685mm



**020-050**  
Trolley jack  
Aluminium  
3 Ton  
Aluminium trolley jack used for racing purposes because of light weight.  
Professional heavy duty.  
Minimum height 100mm  
Maximum height 465mm  
Body length 770mm

Trolley jacks Heavy duty				
Code	Capacity	Min height	Max height	Length
020-060	3 Ton	140mm	620mm	1400mm
020-070	5 Ton	160mm	560mm	1510mm
020-080	10 Ton	170mm	570mm	1640mm
020-090	15 Ton	220mm	680mm	1550mm
020-100	20 Ton	220mm	680mm	1550mm



## Scissor jacks



Scissors jacks				
Code	Capacity	Min height	Max height	Length
022-010	1 Ton	88mm	383mm	426mm
022-020	2 Ton	90mm	380mm	460mm

## Air hydraulic jack

Trolley jacks Pneumatic			
Code	Capacity	Min height	Max height
024-010	22 Ton	245mm	535mm
024-020	35 Ton	283mm	638mm



## Forklift jack



**026-010**  
**Forklift jack**  
5 Ton  
Forklift trolley jack  
Minimum height 70mm  
Maximum height 365mm

## Pallet jacks



Pallet jack			
Code	Capacity	Outside width	Length
028-040	2.5Ton	685mm	1220mm

## Car dolly's



**030-010**  
**Car dolly**  
450Kg capacity per dolly  
Suitable to move small to medium cars around. Sold in pairs.  
Each dolly capable of supporting 450Kg therefore a vehicle of maximum 1.8 Ton weight

## Positioning jack



**030-020**  
**Positioning jack**  
Hydraulic type  
700Kg Capacity  
Suitable to move most cars and 4X4 around.  
Each dolly capable of supporting 700Kg therefore a vehicle of maximum 2.8 Ton weight

## Mechanics chairs



**032-010**  
**Mechanics chair**  
Pneumatically adjustable seat by 120mm



**032-020**  
**Mechanics chair**  
Includes drawer under seat

## Creepers



**034-010**  
**Padded steel creeper**  
6 Wheels  
Length 1050mm



Steel heavy duty creepers		
Code	Wheels	Length
034-030	4 Wheels	900mm
034-040	6 Wheels	1200mm



**034-020**  
**Plastic creeper**  
6 Wheels  
Length 1030mm



**034-070**  
**Padded steel creeper / seat**  
6 Wheels  
Length 1050mm



**034-060**  
**Nylon webbing creeper**  
6 Wheels  
Length 1300mm

## Chocks



Wheel chocks			
Code	Purpose	Size	Material
036-010	Car	105x75x75mm	Rubber
036-020	Truck	326x204x161mm	Steel
Sold in pairs			

## Engine stands



**038-020**  
**Engine stand**  
450Kg capacity  
Engine stand on wheels.  
Suitable for small to medium  
engines up to 3L capacities



**038-030**  
**Engine stand**  
680Kg capacity  
Engine stand on wheels.  
Suitable for medium to large  
engines 3L and above

## Engine cranes



**040-020**  
**Engine crane**  
2 Ton capacity.  
Engine crane on wheels and  
foldable to save space when storing.  
Minimum height 25mm.  
Maximum height 2300mm.



**040-030**  
**Engine crane**  
3 Ton capacity.  
Engine crane on wheels for heavy  
duty work.  
Foldable to save space when storing.  
Minimum height 0mm.  
Maximum height 2450mm.

## Engine leveler



**042-010**  
**Engine leveler**  
680Kg capacity  
Engine leveler to be used when  
lifting engines with engine crane

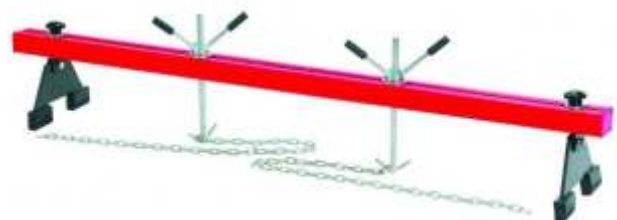
## Engine crane cylinders



**044-010**  
**Hydraulic cylinder for engine cranes**  
Capacity 8000 Kg. Minimum height 630mm. Maximum height 1120mm

## Engine supports

**046-020**  
**Engine support**  
500Kg capacity  
Engine support with double chain  
Length 1500mm



## Work benches



**Workbench**  
Standard  
3mm Steel top

Code	Length	Height	Depth
048-010	1500mm	850mm	750mm
048-020	1800mm	850mm	750mm
048-030	2400mm	850mm	750mm



**Workbench**  
Half locker  
3mm Steel top

Code	Length	Height	Depth
050-010	1500mm	850mm	750mm
050-020	1800mm	850mm	750mm
050-030	2400mm	850mm	750mm



**Workbench**  
Full locker  
3mm Steel top

Code	Length	Height	Depth
052-010	1500mm	850mm	750mm
052-020	1800mm	850mm	750mm
052-030	2400mm	850mm	750mm



**Workbench**  
Half locker 3 drawers  
3mm Steel top

Code	Length	Height	Depth
054-010	1500mm	850mm	750mm
054-020	1800mm	850mm	750mm
054-030	2400mm	850mm	750mm

## Bench vices



**Bench vice**  
Heavy duty

Code	Jaws
056-010	100mm 4"
056-020	150mm 6"
056-030	200mm 8"



**Bench vice**  
Extra heavy duty

Code	Jaws
058-010	100mm 4"
058-020	150mm 6"
058-030	200mm 8"

## Vice stand



**060-010**  
Bench vice stand

Suitable for 100mm, 150mm and 200mm bench vices

## Bench grinders



**Bench grinder**  
Medium duty

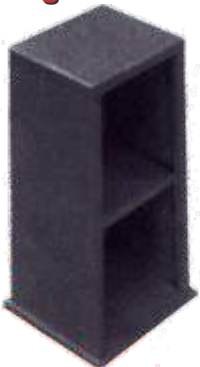
Code	Wheel
062-010	150mm
062-020	200mm



**Bench grinder**  
Heavy duty

Code	Wheel
064-010	200mm
064-020	250mm

## Bench grinder stand



**066-010**  
Bench grinder stand

Suitable for 150mm, 200mm and 250mm bench grinders

## Drill presses



**Pedestal drill**

Code	Voltage	Capacity	Chuck	Model
068-010	220V	16mm	16mm	Bench
068-020	220V	20mm	16mm	Floor
068-030	380V	32mm	16mm	Floor

## Drill press vices



**Drill vice**  
Heavy duty

Code	Throat
070-010	100mm
070-020	150mm

## Presses



**072-020**  
**Hydraulic shop press**  
 Professional press with gauge  
 12 Ton  
 Stroke 150mm  
 Working capacity 0-910mm



**072-030**  
**Hydraulic shop press**  
 Professional press with gauge  
 20 Ton  
 Stroke 170mm  
 Working capacity 0-910mm



**072-040**  
**Hydraulic shop press**  
 Professional press with gauge  
 30 Ton  
 Stroke 150mm  
 Working capacity 0-960mm



**072-060**  
**Hydraulic shop press**  
 Professional press with gauge  
 50 Ton  
 Stroke 190mm  
 Working capacity 0-800mm  
 Includes winch to lift or lower cradle

## Coil spring compressors



**074-010**  
**Coil spring compressor**  
 Professional unit pneumatically operated  
 Capacity 1260Kg



**076-010**  
**Coil spring compressor**  
 Supplied complete with 3 sets of shoes.  
 Operation is very safe and fast to use.  
 Capacity more than 1100 Kg.

## Coil spring compressors



**074-030**  
**Coil spring compressor**  
 Floor standing hydraulic type  
 Capacity 1 Ton  
 Maximum length 480mm  
 Stroke 325mm  
 Spring diameter 100-254mm



**074-040**  
**Coil spring compressor**  
 Capacity 1 Ton  
 Portable hydraulic type  
 Two sets shoes included



**076-020**  
**Coil spring compressor**  
 External type. Two legs with double hooks on both sides. Pressure is evenly balanced and operation is safer.



**076-030**  
**Coil spring compressor**  
 External type. Includes three legs so that pressure is evenly balanced around the coil.



**080-010**  
**Strut nut**  
 Mercedes Benz  
 14mm

## Strut sockets



**080-020**  
**Strut nut kit**  
 Designed to hold the damper shaft during the re-fitting and removal of strut nuts. Sizes 10.5, 12.5, 14, 14.5 and 14.5mm sockets.



**080-030**  
**Master strut kit**  
 39 Piece. A complete set to remove or install shock absorbers.

## Bearing separators



Bearing separator	
Code	Size
082-010	30 - 50mm
082-020	50 - 75mm
082-030	75 - 105mm
082-040	105 - 150mm

## Bearing pullers



Bearing puller 2 Jaw		
Code	Size	
084-010	75mm	
084-020	100mm	
084-030	150mm	
084-040	200mm	
084-050	300mm	



Bearing puller 3 Jaw		
Code	Size	
086-010	75mm	
086-020	100mm	
086-030	150mm	
086-040	200mm	
086-050	300mm	



Bearing puller 2 and 3 Jaw		
Code	Capacity	
088-010	2 Ton	
088-020	5 Ton	



## Bearing pullers



**090-010**  
**Bearing separator set**  
 Includes 1 x Bearing separator



**090-020**  
**Bearing separator set**  
 Includes 2 x Bearing separators



**092-010**  
**Hydraulic gear puller set**  
 3 Sets of 3 and / or 2 leg pullers  
 1 Bearing separator  
 10 Ton hydraulic ram



**094-010**  
**Hydraulic bearing puller set**  
 Can be set up as an 2 or 3 leg puller set  
 10 Ton hydraulic ram



**096-010**  
**Multi bearing puller set**  
 Special design locks legs in closed position when pulling to prevent legs from opening



**098-010**  
**Slide hammer puller set**  
 3 Jaw internal or external puller. Includes slide hammer. Capacity 15 to 80mm



**096-020**  
**Ribbed pulley puller**  
 Clamps designed to clamp to most ribbed pulley's



**096-030**  
**Flange puller**  
 Universal 2 or 3 position setup



**096-040**  
**Pilot bearing puller**  
 12 - 38mm Capacity



**098-020**  
**Blind (inner) bearing puller**  
 5 Piece  
 10 - 14, 15 - 19, 18 - 25, 25 - 32mm



**098-030**  
**Blind (inner) bearing puller**  
 9 Piece  
 8 - 10, 10 - 12, 12 - 14, 15 - 17, 17 - 20, 20 - 24, 25 - 29, 30 - 32mm



**098-040**  
**Blind (inner) bearing puller set**  
 16 Piece  
 8 - 11, 12 - 17, 18 - 23, 24 - 29, 30 - 34, 34 - 38, 39 - 43, 44 - 48, 49 - 53, 54 - 58mm  
 1 x Puller included

## Bearing pullers



**100-010**  
**Hub puller**  
Removes wheel hubs mounted on tapered axles. Three adjustable legs adjustable up to 190mm diameter.



**100-020**  
**Slide hammer hub puller set**  
Combination puller with 2 Kg steel slide hammer. Also converts into a 2 or 3 jaw internal or external puller.



**092-020**  
**Hydraulic puller**  
**4 Ton**  
Spread 55 - 255mm  
Reach 70 - 250mm  
Stroke 60mm

## Stud / Screw extractors



**102-010**  
**Screw extractor set**  
8 Piece.  
Quick and easy to remove broken screws, pipes, bolts and studs. Sizes 3, 6, 8, 12, 14, 19, 25, 28mm



**102-020**  
**Screw extractor set**  
5 Piece.  
Quick and easy to remove broken screws, pipes, bolts and studs. Sizes 7/64", 9/64", 5/32", 1/4", 19/64"



**102-030**  
**Screw extractor set**  
7 Piece.  
Quick and easy to remove broken screws, pipes, bolts and studs. Sizes 1/8", 1/4", 5/16", 7/16", 9/16"  
Includes tap handle



**102-040**  
**Screw extractor, drill and guide set**  
25 Piece.  
Can be used to remove studs with sizes 5 to 16mm in diameter (3/16" to 9/16")



**102-060**  
**Stud Extractor**  
1/2" Drive.  
Designed to remove studs 6 to 19mm in diameter



**102-070**  
**Stud Extractor Set**  
4 Piece.  
Designed for working in hard to reach places  
Sizes 6, 8, 10 & 12mm



**102-080**  
**Stud Extractor Set**  
11 Piece.  
Designed for working in hard to reach places  
Sizes 5, 6, 7, 8, 10, 10.5, 11, 12, 14 & 16mm



**Stud puller**  
Designed for working in hard to reach places

Code	Size
102-090	6mm
102-100	8mm
102-110	10mm
102-120	12mm

## Nut splitter



**102-130**  
**Nut splitter**  
 To split nuts when it's impossible to remove otherwise  
 Suitable for nuts from 5 to 16mm

## Nut removers



**102-140**  
**Damaged bolt & nut extractor**  
 4 Piece. Designed to remove damaged nuts and bolts. 1/2" Drive. 17mm, 19mm, 21mm & 22mm tube sockets with 80mm Drift.



**102-150**  
**Damaged bolt & nut extractor**  
 10 Piece. Designed to remove damaged nuts and bolts. 3/8" Drive. 9, 10, 11, 12, 13, 14, 15, 16, 17, 19mm & 90mm Drift

## Seal puller



**104-010**  
**Seal puller**  
 300mm long  
 Suitable to remove oil and grease seals in automotive vehicles

## Pick & hook sets



**664-010**  
**Mini pick and hook set**  
 4 Piece  
 For removal of bushings, cotter pins, O-rings & seals. Curve hook, 45-degree hook, 90 degree hook, straight Pick.



**664-020**  
**Mini pick and hook set**  
 6 Piece  
 For removal of bushings, cotter pins, O-rings & seals. Curve hook, 3 x 45-degree hook, 90 degree hook, straight Pick.

## Seal / Bearing extractors / installers



**104-040**  
**Seal remover and installer set**  
 20 Piece  
 Includes puller  
 Ideal for crank shaft and other oil seals



**104-050**  
**Bearing Extractor**  
 For installing and removing bearings.  
 Adaptor size: 35, 35, 37, 39, 40, 41, 42, 45mm  
 Ring size: 60, 62, 64, 66, 68, 72, 74, 80, 82, 84mm



**104-060**  
**Bearing and seal driver set**  
 For installation of bearings and seals  
 Ring size: 39.5, 44.5, 50, 59, 63, 65, 72, 76, 81mm flanges

## Wheel balancers



**106-010**

### Semi Automatic wheel balancer

Wheel cover included.

Automatic start and stop after 6 seconds.

Dynamic, static and mag rim programs included.

Self calibrating, and diagnostics program standard.

Special stick on MAG and hidden weight program included.

Includes cone adaptors, quick release nut, rim caliper, wheel weight plier and 4x4 cone.

Blind wheel and motor cycle adaptor optional.



**106-020**

### Automatic wheel balancer

Wheel cover included.

Automatic start and stop after 6 seconds.

Rim distance and rim diameter recorded automatically.

Dynamic, static and mag rim programs included.

Laser beam included for very accurate positioning of the internal weight.

Self calibrating, and diagnostics program standard.

Special stick on MAG and hidden weight program included.

Includes cone adaptors, quick release nut, rim caliper, wheel weight plier and 4x4 cone.

Blind wheel and motor cycle adaptor optional.



**106-030**

### Semi Automatic wheel balancer (Truck)

Wheel cover included.

Automatic start and stop.

Dynamic, static and mag rim programs included.

Self calibrating, and diagnostics program standard.

Includes cone adaptors, stud adaptors quick release nut, rim caliper, wheel weight plier, 4x4 and truck adaptors.

Pneumatic lifting bridge included.

380V Three phase.

## Wheel balancer adaptors



**108-010**

### Large cone (5th Cone)

To be used with wheels with very large center holes or on some small truck wheels

**108-020**

### Flange

To be used together with the large cone for wheels with very large center holes or on some small truck wheels



**108-030**

### Motorcycle adaptor

Suitable for most motorcycle wheels including blind wheel balancing such as Harley Davidson wheels without spokes



**108-050**

### Blind wheel adaptor

To be used with blind rims such as Peugeot / Renault or in the event of rim damage around center hole

## Wheel weights



Standard wheel weights (Steel rims)		
Code	Weight	Quantity
110-005	5g	50
110-010	10g	50
110-015	15g	50
110-020	20g	50
110-025	25g	50
110-030	30g	50
110-035	35g	50
110-040	40g	50
110-045	45g	50
110-050	50g	50
110-055	55g	50
110-060	60g	50
110-065	65g	50
110-070	70g	50
110-075	75g	50
110-080	80g	50

Other weights available on request



Mag wheel weights (Mag rims)		
Code	Weight	Quantity
112-005	5g	50
112-010	10g	50
112-015	15g	50
112-020	20g	50
112-025	25g	50
112-030	30g	50
112-035	35g	50
112-040	40g	50
112-045	45g	50
112-050	50g	50
112-055	55g	50
112-060	60g	50

Other weights available on request



Stick on weights			
Code	Description	Colour	Quantity
114-010	Slim line	Silver	100
114-020	Slim line	Black	100
114-030	4 X 4	Silver	50
114-040	Jumbo	Silver	50



**116-010**  
Wheel weight plier

## Wheel balancer accessories



**118-010**  
Wheel weight tray  
16 Bins with panel



**108-060**  
Wheel rim caliper  
Calibrated in inches



**Quick release nut for balancer**  
Supplied complete with cup

Code	Size
108-070	36mm
108-080	40mm

## Tyre changers



**120-010**  
**Semi Automatic tyre changer**  
Complete with inflator and tyre lever.  
230V Single phase  
Capacity 10" - 24"



**120-020**  
**Automatic tyre changer**  
Tyre changer complete help arm for run-flat or tough low profile tyres.  
Complete with tyre inflator and tyre lever.  
230V Single phase  
Capacity 10" - 24"



**120-030**  
**Automatic tyre changer**  
Tyre changer complete help arm for run-flat or tough low profile tyres.  
Machine has automatic tubeless inflation device with tyre inflator and tyre lever.  
230V Single phase  
Capacity 10" - 24"



**120-040**  
**Semi Automatic tyre changer**  
Suitable for truck and bus tyres  
Rims 14" to 26" diameter  
380V Three phase



**120-050**  
**Semi Automatic tyre changer**  
Suitable for truck, bus, tractor and earth mover tyres  
Rims 14" to 56" diameter  
380V Three phase

## Motorcycle adaptors



**122-010**  
**Motorcycle and quad bike adaptors**  
Adaptors necessary to mount motorcycle tyres and quad tyres to car tyre changers

## Rim protectors



**124-010**  
**Rim protection cover (Top part)**  
Cover clips over the metal wheel to protect mag rims from scratching



**124-020**  
**Rim protection cover (Bottom part)**  
Cover clips under the mounting head to protect mag rims from scratching

## Bead knocker



**126-010**  
**Bead knocker**  
Suitable for truck, bus, tractor and earthmover tyres

## Tubeless tyre levers



**126-020**  
**Tubeless truck tyre changing system**  
Suitable for truck and bus tubeless tyres



**124-030**  
**Rim protection covers (Clamps)**  
Sold as a set of four  
Covers clip over the metal clamps on turntable to protect mag rims from scratching

## Wheel lock remover sets



**128-010**  
**Wheel lock remover set (BMW)**  
 21 Piece. Suitable to remove wheel locks on BMW wheels.



**128-020**  
**Wheel lock remover set (VW / Audi)**  
 23 Piece. Suitable to remove wheel locks on VW and Audi wheels.



**128-030**  
**Wheel lock remover set (Mercedes Benz)**  
 30 Piece. Suitable to remove wheel locks on Mercedes Benz wheels.

## Tyre repair tools



**130-010**  
**Tyre valve tool**  
 Double ended with large and small bore on either side



**130-020**  
**Snap in tool**  
 To be used to insert tubeless valves on rims



**130-030**  
**Stitcher**  
 To be used to roll patches or gaiters on to tubes and tyres



**130-040**  
**Spiral reaming tool**  
 To be used to prepare hole before inserting tubeless plug



**130-050**  
**Insert tool**  
 To be used to insert tubeless plug when repairing a tubeless tyre



**130-060**  
**Rasp**  
 To be used to prepare tyres and tubes before repairing. Rasp adaptor not included and you need a die grinder with 6mm chuck to operate



**130-070**  
**Rasp adaptor**  
 This adaptor is necessary to fit the onto so that the rasp can be used with a die grinder



**130-080**  
**Wheelmate**  
 Provides support to wheel spanner when tightening or loosening truck wheel nuts



**130-090**  
**PCD Gauge**  
 Suitable to measure 4, 5, 6 and 8 stud rims

## Tyre repair consumables



Patches tube round		
Code	Description	Quantity
132-010	No1	30
132-020	No2	30
132-030	No3	30
132-040	No4	30
132-050	No5	10



Universal patch (Nail hole)		
Code	Description	Quantity
134-010	55mm	30
134-020	80mm	20



Radial repair patch (rectangular)		
Code	Description	Quantity
136-010	R110	20
136-020	R112	20
136-030	R114	10
136-040	R120	10



Mushroom plugs		
Code	Description	Quantity
138-010	CP5	20
138-030	CP9	30
138-040	CP12	50
138-050	CP15	25



Tubeless plugs		
Code	Description	Quantity
140-010	Car	60
140-020	Truck	25



Cement	
Code	Quantity
142-010	250ml
142-020	500ml



Tubeless repair kits		
Includes reamer & insert tool		
Code	Vehicle	Plugs
130-100	Car	60
130-110	Truck	25



144-010	
Soft soap	
25L Container	
Necessary to lubricate tyres when fitting	



144-020	
Bead lube	
5L	
Necessary to lubricate tyres when fitting	



146-010	
Tubeless valves TR414	
Supplied in packets of 100	



146-020	
Valve cores	
Supplied in packets of 100	



Valve caps		
Packets of 100		
Code	Colour	Function
146-030	Black	Standard
146-040	Green	Nitrogen



## Wheel dolly's



**148-020**  
**Wheel dolly**  
1.2 Ton Capacity  
Maximum lift 225mm



**148-010**  
**Wheel dolly**  
1 Ton Capacity  
Maximum lift 225mm

## Tyre cage



**Safety tyre inflation cage**  
Tyre safety cage for inflating truck tyres

Code	Height	Width	Length
150-010	1300mm	500mm	1800mm
150-020	1800mm	500mm	1800mm
150-030	2100mm	900mm	2000mm

## Nitrogen generator



**152-010**  
**Nitrogen Generator**  
Produces nitrogen at 42 L/min  
Pressure 8 Bar  
Suitable for truck and car wheels with built in 50L tank  
Complete with automatic tyre inflator / deflator

## Tyre inflators



**154-020**  
**Automatic digital tyre inflator**  
220V Single phase. Indoor use.  
Inflates or deflates tyres to the selected pressure. Beeps when done.  
Includes wall mounting bracket.

**154-030**  
**Automatic digital tyre inflator**  
220V Single phase. Outdoor use.  
Inflates or deflates tyres to the selected pressure. Beeps when done.  
Includes wall mounting bracket

**156-050**  
**Tyre inflator digital**  
Digital tyre inflator.  
Very accurate with clip on connector  
0 - 1200 kPa  
0 - 12 Bar



**156-030**  
**Tyre inflator**  
Linear type  
Used in most driveways and workshops  
0 - 960 kPa  
0 - 9.6 Bar

**156-020**  
**Tyre inflator**  
Linear type  
Used in most driveways and workshops  
0 - 960 kPa  
0 - 9.6 Bar

**156-040**  
**High pressure tyre inflator**  
Linear type  
Used where high pressure inflation is necessary  
0 - 2100 kPa  
0 - 21 Bar

## Tyre inflator parts



**Hold on connector**

Code	Closed / Open
158-010	Open end
158-020	Closed end

**Twin connector (tip)**

Code	Closed / Open
158-030	Open end
158-040	Closed end

**158-050**  
**Clip on connector**  
Open end  
1/4" BSP Female thread

## Tyre pressure gauges



**160-010**  
Tyre pressure gauge  
0 - 1200 kPa  
0 - 12 Bar  
With twin hold on connector



**160-020**  
Tyre Pressure gauge  
Pocket type  
0.5-3.4 Bar  
50-340kPa



**160-030**  
Tyre Pressure gauge  
Pocket type with twin connector  
0.8-8.2 Bar  
80-820kPa

## Tyre tread depth gauges



**160-040**  
Digital Tyre pressure & tread depth gauge  
Digital LCD display  
Change between PSI & kPa or mm & Inches



**162-010**  
Tyre tread depth gauge  
Pocket type

## Nut remover (multiplier)



**164-010**  
Truck wheel nut remover  
Nut multiplier  
Ratio 1:56  
Weight 8.6Kg

## Bead blaster (seater)



**166-010**  
Bead blaster (bead seater)  
Helps seating the bead in seconds when inflating tubeless tyres  
20 L Tank

## Air hose



Rubber hose	
Code	Internal diameter
168-010	6mm
168-020	8mm
168-030	10mm
168-040	13mm

Sold per meter. Maximum length 100m



Polyurethane hose	
Code	Internal diameter
170-010	6mm
170-020	8mm
170-030	10mm
170-040	13mm

Sold per meter. Maximum length 100m

## Blow guns (air dusters)



**172-010**  
Blow gun (air duster)  
Plastic with long spout



**172-020**  
Blow gun (air duster)  
Metal

## Tyre buffer



**234-010**  
Tyre buffer  
2500RPM. Ideal to prepare tyres and tubes for puncture repairs

## Wheel aligners



**174-010**  
**Computerized 3D wheel alignment system**  
 Complete with large colour monitor, keyboard, printer, mouse, CD Rom, cabinet, 2 optical 3D camera system, front turntables, brake pedal depressor and steering wheel holder. No need to lift vehicle for run-out compensation and periodic calibration. Fast, accurate and reliable.



**174-030**  
**Laser wheel aligner for trucks and trailers**  
 Includes two light alloy heads to measure camber and caster. Eight targets to measure toe and thrust-line on various parts of the truck / trailer such as kingpin, draw-bar or chassis. Heavy duty set of turntables included. Wheel alignment can be done on any flat surface and takes only a few minutes to set up. Readings are accurate and reliable.

## Wheel alignment tools



**176-040**  
**Camber, caster, KPI gauge**  
 Magnetic type  
 For accurate readings it's recommended to use the gauge together with turntables



**176-050**  
**Camber gauge**  
 Accurate and portable with magnetic head to fit to hubs, rotors and spindles. To be used to set camber back to original setting.



**176-060**  
**Side slip alignment gauge**  
 By driving over the gauge toe-in / out can be determined within seconds



**176-030**  
**Turntable set**  
 Sold in pairs.  
 Complete with radius gauge and rubber spacers. Full floating type 400mm x 400mm x 50mm high.

## Wheel alignment accessories



**176-020**  
**Brake pedal depressor**  
 Necessary to press the brake when doing the castor and KPI swing.



**176-010**  
**Steering wheel holder**  
 Necessary to align and lock steering wheel when adjusting individual toe.

## Pit rack



**178-010**  
**Pit rack with scuff plates**  
 Suitable to be installed in a pit. Manufactured to specifications. Scuff plates included but turntables excluded.

## Toe in gauge



**174-020**  
**Laser toe in / out gauge (Optical type)**  
 Optical toe in / out gauge. Laser beam for accurate readings. Can be used on level floor. No need for use on lift or pit.

## Extended slip plates



**178-020**  
**Extended slip plates (Ramp top conversion)**  
 Includes scuff plates. Suitable to install above lift platform or where drive on ramps on pit exists. Manufactured to specifications. Scuff plates included but turntables excluded.

## Wheel alignment shims



Shims (Car & truck)			
Code	Vehicle	Thickness	Weight box
180-010	Car	0.5mm	700g
180-020	Car	1mm	700g
180-030	Car	2mm	700g
180-040	Car	3mm	700g
180-050	Car	4mm	700g
180-060	Car	5mm	700g
180-070	Truck	1mm	700g
180-080	Truck	2mm	700g
180-090	Truck	3mm	700g



Ball joint puller		
Code	Application	Jaw gap
184-010	Car & 4X4	23mm
184-020	Truck	32mm



184-050 Tie rod splitter	
Jaw opening	17mm
Length	300mm



100-020 Slide hammer hub puller set	
Combination puller with 2 Kg steel slide hammer. Also converts into a 2 or 3 jaw internal or external puller.	

## Tie rod tools



Inner tie rod tool	
Code	Size
182-010	33-42mm
182-020	42-50mm



182-030 Tie rod end remover & installer	
Removal and replacement of inner steering ball joints. Range 30 to 35mm, 35 to 40mm and 40 to 45mm	

## Ball joint pullers



184-030 Ball joint remover / installer	
Spindle 185mm stroke	
2 x Compression heads 40 & 54mm 3 x Pressure pads 22, 33 & 57mm	
Suitable for most vehicles including Mercedes Benz	



184-040 Pitman arm puller	
Width	33mm
Stroke	64mm

## Hub pullers



184-060 Tie rod / ball joint splitter set	
5 Piece.	
Can be used with hammer or pneumatic hammer	



100-010 Hub puller	
Removes wheel hubs mounted on tapered axles. Three adjustable legs adjustable up to 190mm diameter.	



186-010 Hub puller VW / Audi (Polo and A2)	
Hub puller for bearings on VW Polo and Audi A2 with or without ABS	



186-020 Hub puller VW T5	
Hub puller for bearings on VW T5 with or without ABS	

## Compressors (piston)



**188-010**  
**Compressor**  
1.5HP 1,1KW  
220V Single phase  
24L tank  
Direct coupled



**188-020**  
**Compressor**  
2HP 1,5KW  
220V Single phase  
50L tank  
Direct coupled



**188-030**  
**Compressor V-Twin**  
3HP 2,2KW  
220V Single phase  
100L tank  
Direct coupled



**188-040**  
**Compressor V-Twin**  
3HP 2,2KW  
220V Single phase  
150L tank  
Belt driven



**188-050**  
**Compressor 3 Cyl**  
3HP 2,2KW  
220V Single phase  
150L tank  
Belt driven



**188-060**  
**Compressor petrol**  
11HP  
4 Stroke petrol  
100L tank  
Belt driven



**190-010**  
**Compressor 2 Cyl**  
3HP 2,2KW  
220V Single phase  
150L tank  
Belt driven



**190-020**  
**Compressor 2 Cyl**  
5,5HP 4KW  
380V Three phase  
200L tank  
Belt driven



**190-030**  
**Compressor 2 Cyl**  
7,5HP 5,5KW  
380V Three phase  
270L tank  
Belt driven

## Compressors (screw)



**190-040**  
**Compressor 2 Cyl**  
10HP 7,5KW  
380V Three phase  
270L tank  
Belt driven



**192-010**  
**Compressor screw**  
10HP 7,5KW  
380V Three phase  
270L tank



**192-020**  
**Compressor screw**  
20HP 15KW  
380V Three phase  
500L tank

## Hose reels (air)



**194-010**  
**Air hose reel (Blue)**  
 Hose length 20m  
 3/8" BSP fitting  
 PVC hose. Pressure 20Bar  
 Includes swivel bracket



**194-030**  
**Air hose reel**  
 Hose length 15m x 8mm ID  
 1/4" BSP fitting  
 Polyurethane hose  
 Metal reel

## Filters / Regulators / Lubricators



**194-040**  
**Air hose reel**  
 Hose length 15m  
 Polyurethane hose  
 Includes swivel bracket



**194-050**  
**Air hose reel**  
 Hose length 9m x 8mm ID  
 1/4" BSP fitting  
 Polyurethane hose  
 Swivel bracket included



Filter, regulator, lubricator & gauge	
Code	Thread
196-010	1/4"
196-020	1/2"
196-030	1"

## Filters



Filter	
Code	Thread
198-010	1/4"
198-020	1/2"
198-030	1"



Filter, regulator & gauge	
Code	Thread
200-010	1/4"
200-020	1/2"
200-030	1"

## Regulators



Regulator & gauge	
Code	Thread
202-010	1/4"
202-020	1/2"
202-030	1"

## Lubricators



Lubricator	
Code	Thread
204-010	1/4"
204-020	1/2"
204-030	1"



Hose clamps			
Code	Size	Code	Size
206-010	4-12mm	540-090	6-17mm
206-020	10-22mm	540-100	15-27mm
206-030	14-32mm	540-110	17-38mm
206-040	19-44mm	540-120	25-51mm
206-050	32-57mm	540-130	38-63mm
206-060	44-70mm	540-140	51-76mm
206-070	57-82mm	540-150	63-89mm
206-080	70-95mm	540-160	75-102mm

## Hose clamps



2 Ear clamps	
Code	Size
208-010	9-11mm
208-020	11-13mm
208-030	13-15mm
208-040	15-18mm

## Quick couplers



Quick coupler Female thread	
Code	Thread
210-010	1/4"
210-020	3/8"
210-030	1/2"



Quick coupler Male thread	
Code	Thread
212-010	1/4"
212-020	3/8"
212-030	1/2"



Quick coupler Hose barb	
Code	Barb
214-010	6mm
214-020	8mm
214-030	10mm
214-040	12mm

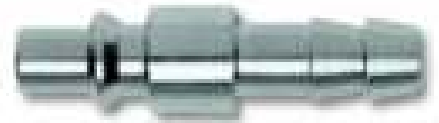
## Inserts



Insert Male thread	
Code	Thread
216-010	1/8"
216-020	1/4"
216-030	3/8"
216-040	1/2"



Insert Female thread	
Code	Thread
218-010	1/8"
218-020	1/4"
218-030	3/8"
218-040	1/2"



Insert Hose barb	
Code	Barb
220-010	6mm
220-020	8mm
220-030	10mm
220-040	13mm

## Hose connectors



Hose connector Male thread					
Code	Thread	Barb	Code	Thread	Barb
222-010	1/8"	6mm	222-090	3/8"	6mm
222-020	1/8"	8mm	222-100	3/8"	8mm
222-030	1/8"	10mm	222-110	3/8"	10mm
222-040	1/8"	13mm	222-120	3/8"	13mm
222-050	1/4"	6mm	222-130	1/2"	6mm
222-060	1/4"	8mm	222-140	1/2"	8mm
222-070	1/4"	10mm	222-150	1/2"	10mm
222-080	1/4"	13mm	222-160	1/2"	12mm



Hose connector Female thread					
Code	Thread	Barb	Code	Thread	Barb
224-010	1/4"	6mm	224-070	3/8"	10mm
224-020	1/4"	8mm	224-080	3/8"	13mm
224-030	1/4"	10mm	224-090	1/2"	6mm
224-040	1/4"	13mm	224-100	1/2"	8mm
224-050	3/8"	6mm	224-110	1/2"	10mm
224-060	3/8"	8mm	224-120	1/2"	13mm



226-010 Hose connector	
Straight (2 Way) 8mm	



226-020 Hose connector	
T Type (3 Way) 8mm	



226-030 Hose connector	
Y Type (3 Way) 8mm	



226-040 Hose connector	
+Type (4 Way) 8mm	

## Impact wrenches



**228-030**  
**Impact wrench kit with sockets 1/2" drive**  
 Capacity 310Nm. Includes 10 impact sockets 9, 10, 11, 13, 14, 17, 19, 22, 24, 27mm, 125mm extension and an in line lubricator.



**228-010**  
**Impact wrench 1/2" drive**  
 Capacity 310Nm. 1/2" drive.



**228-020**  
**Impact wrench 1/2" drive**  
 Capacity 567Nm. 1/2" drive. Twin hammer super strong.

## Ratchet wrenches (nut runners)



**228-040**  
**Impact wrench 3/4" drive**  
 Capacity 949Nm. 3/4" drive. Heavy duty.



**228-050**  
**Impact wrench 1" drive**  
 Capacity 2440Nm. 1" drive. Super duty. 6" Anvil.



**230-010**  
**Ratchet wrench 3/8" drive**  
 Capacity 69Nm. 3/8" drive.

## Die grinders



**230-020**  
**Ratchet wrench 1/2" drive**  
 Capacity 69Nm. 1/2" drive.



**232-030**  
**Die grinder kit 6mm**  
 Kit includes a 3mm collet. 25000 RPM. Small in size and light weight. 10 Grinding stones included



**232-010**  
**Die grinder 6mm**  
 6mm Collet. 25000 RPM. Small in size and light weight.

## Tyre buffer



**232-020**  
**Die grinder 6mm**  
 6mm Collet. 4000 RPM. Small in size and light weight.



**234-010**  
**Tyre buffer**  
 2500RPM. Ideal to prepare tyres and tubes for puncture repairs



**234-020**  
**Tyre buffer wheel**  
 Wheel is included with tyre buffer but available loose if required



## Drills



**236-010**  
**Reversible drill 10mm**  
 Chuck size 10mm. Speed 1800RPM. Reversible.



**236-020**  
**Reversible drill 13mm**  
 Chuck size 13mm. Speed 550RPM. Reversible.

## Angle grinders



**238-010**  
**Angle grinder 115 and 125mm**  
 10 000RPM. Suitable for 115mm and 125mm cutting and grinding discs.



**238-020**  
**Angle grinder 180mm**  
 8 400RPM. Suitable for 180mm cutting and grinding discs.

## Cutter



**240-010**  
**Steel cutter 76mm**  
 Ideal for body panels. 20 000RPM. Small in size and light weight.

## Saw



**242-010**  
**Reciprocating saw**  
 Ideal for body panels and exhaust tubing. Capacity 1.6mm (steel), 2mm aluminium

## Sanders



Saw blades (Reciprocating saw)		
Code	TPI	Packet
242-020	32	5
242-030	32	5
242-040	32	5



**244-010**  
**Orbital sander**  
 Pad size 95 x 175mm. Very comfortable to use with palm grip for one hand operation. Uses 1/3 abrasive sheets.



**244-020**  
**Random orbital sander**  
 4.8mm Orbits. 150mm Pad with 6 holes. Very comfortable to use with palm grip for one hand operation. Port included for dust extraction.



**244-030**  
**Random orbital sander**  
 2.4mm Orbits. 150mm pad with 6 holes. Very comfortable to use with palm grip for one hand operation.



**244-040**  
**Random orbital sander with exhaust tube**  
 2.4mm Orbits. 150mm pad with 6 holes. Very comfortable to use with palm grip for one hand operation. Hose included for dust extraction.



**244-070**  
**Sanding pad for random orbital sander**  
 6 Hole with hook & loop. 150mm x 5/16 UNF

## Sanders



**244-050**  
**Random orbital sander 50mm**  
 50mm pad. Light weight, small and comfortable to use for small jobs.



**244-080**  
**Sanding pad for random orbital sander**  
 Hook & loop. 50mm x 5/16 UNF



**244-060**  
**Random orbital sander 150mm**  
 Pad size 150mm. Suitable for automotive sanding and woodworking work.

## Polisher



**246-030**  
**Sanding pad for random orbital sander**  
 Hook & loop. 150mm x 5/16 UNF



**246-010**  
**Angle polisher 180mm**  
 Pad size 180mm. Suitable for automotive work. Slow speed.



**246-020**  
**Backing pad for polisher**  
 180mm

## Nailer



**246-030**  
**Sheep's wool buff for polisher**  
 180mm



**248-010**  
**Nail gun (18 gauge (1.25mm) nails)**  
 Maximum thickness 18 gauge. Length of nails 10 to 32mm. Maximum capacity 100 nails.



**248-020**  
**Nail gun (16 gauge (1.65mm) nails)**  
 Maximum thickness 16 gauge. Length of nails 15 to 50mm. Maximum capacity 100 nails.

## Stapler



Nails							
Code	Gauge	Length	Qty	Code	Gauge	Length	Qty
248-030	18	15mm	5000	248-070	16	25mm	2500
248-040	18	20mm	5000	248-080	16	32mm	2500
248-050	18	25mm	5000	248-090	16	38mm	2500
248-060	18	30mm	5000	248-100	16	45mm	2500
				248-110	16	50mm	2500

250-010			
Stapler (21 gauge (0.6mm) staples)			
Maximum thickness 21 gauge (0.6mm). Length of staples 6 to 16mm. Maximum capacity 125 nails. Crown width 12.7mm.			

Staples 21 Gauge					
Code	Length	Qty	Code	Length	Qty
250-020	4mm	10000	250-050	10mm	5000
250-030	6mm	5000	250-060	12mm	5000
250-040	8mm	5000	250-070	14mm	5000



**Riveter (Pneumatic)**  
Container on rear holds mandrels after riveting

Code	Capacity
252-010	2.4 to 4.8mm
252-020	2.4 to 6.35mm

## Riveter



Aluminium rivets 100 per packet					
Code	Thickness	Length	Code	Thickness	Length
252-030	3.2mm	6mm	252-120	3.2mm	12mm
252-040	3.2mm	8mm	252-130	3.2mm	15mm
252-050	3.2mm	10mm	252-140	3.2mm	18mm
252-060	4.0mm	6mm	252-150	4.0mm	12mm
252-070	4.0mm	8mm	252-160	4.0mm	15mm
252-080	4.0mm	10mm	252-170	4.0mm	18mm
252-090	4.8mm	8mm	252-180	4.8mm	15mm
252-100	4.8mm	10mm	252-190	4.8mm	18mm
252-110	4.8mm	12mm	252-200	4.8mm	21mm

## Needle scaler



**254-010 Needle scaler**  
Ideal for removing paint, cement, rust and welding on uneven surfaces. 2800BPM. 12 Needles.

## Grinding discs



Grinding disc (steel) for angle grinder		
Code	Diameter	Width
256-010	100mm	4.5mm
256-020	115mm	6mm
256-030	125mm	6mm
256-040	230mm	6mm



Cutting disc (steel) for angle grinder or cut off saw					
Code	Diameter	Width	Code	Diameter	Width
258-010	76mm	1.1mm	258-100	125mm	1.6mm
258-020	100mm	1mm	258-110	125mm	2.5mm
258-030	100mm	3mm	258-120	180mm	2.5mm
258-040	115mm	0.8mm	258-130	230mm	1.6mm
258-050	115mm	1mm	258-140	230mm	2mm
258-060	115mm	1.6mm	258-150	230mm	2.5mm
258-070	115mm	2.5mm	258-160	230mm	3mm
258-080	115mm	3mm	258-170	350mm	3mm
258-090	125mm	1.2mm	258-180	400mm	3mm



Cutting disc (masonry) for angle grinder or tile / brick cutter					
Code	Diameter	Width	Code	Diameter	Width
260-010	115mm	1mm	260-060	125mm	2.5mm
260-020	115mm	1.6mm	260-070	230mm	2mm
260-030	115mm	2mm	260-080	230mm	2.5mm
260-040	115mm	2.5mm	260-090	230mm	3mm
260-050	115mm	3mm	260-100	350mm	3mm

## Grinding wheels



Grinding wheel for bench grinder			
Code	Diameter	Width	Grit
262-010	150mm	20mm	36
262-020	150mm	20mm	46
262-030	150mm	20mm	60
262-040	200mm	20mm	36
262-050	200mm	20mm	46
262-060	200mm	20mm	60
262-070	200mm	25mm	36
262-080	200mm	25mm	46
262-090	200mm	25mm	60

## Wire wheels



Wire wheel for bench grinder					
Code	Diameter	Width	Code	Diameter	Width
264-010	100mm	12mm	264-070	150mm	25mm
264-020	100mm	20mm	264-080	200mm	20mm
264-030	100mm	25mm	264-090	200mm	25mm
264-040	127mm	12mm	264-100	250mm	25mm
264-050	127mm	19mm	264-110	250mm	40mm
264-060	150mm	19mm	264-120	305mm	50mm

## Wire brushes



Wire brush for drill or die grinder			
Code	Diameter	Code	Diameter
266-010	6mm	266-030	20mm
266-020	15mm	266-040	25mm

## Wire cup brushes



Wire cup brush for angle grinder			
Code	Diameter	Code	Diameter
268-010	60mm	268-050	120mm
268-020	76mm	268-060	140mm
268-030	85mm	268-070	150mm
268-040	100mm		



Wire cup brush with 6mm shaft for drill or die grinder			
Code	Diameter	Code	Diameter
270-010	50mm	270-030	75mm
270-020	65mm	270-040	85mm

## Wire brush sets



**272-010 Wire brush decarbon set**  
4 Piece



**272-020 Wire brush decarbon set**  
7 Piece

## Impact drills



**290-010**  
**Impact drill 650W 13mm**  
 Variable electronic speed with forward and reverse direction. 650W Power. 13mm Geared chuck



**290-020**  
**Impact drill 1300W 13mm**  
 Variable electronic speed with forward and reverse direction. 2 Speed mechanical gearbox. 1300W Power. 13mm Geared chuck. Mechanical safety clutch included.

## Hammer drills



**290-030**  
**Rotary hammer drill 800W 24mm (masonry)**  
 Variable electronic speed with forward and reverse direction. 2.3J Chiseling capacity. 800W Power. SDS chuck. Capacity 24mm masonry.

## Mag base drill



**290-040**  
**Rotary hammer drill 1100W 24mm (masonry)**  
 Variable electronic speed with forward and reverse direction. 2.8J Chiseling capacity. 1100W Power. SDS chuck but also a standard quick change keyless 13mm included. Capacity 24mm masonry.



**292-010**  
**Mag base drill 1000W 32mm (Steel)**  
 Broach cutter adaptor included. 1000W Power. 16mm Geared chuck and chuck adaptor available.

## Die grinder



**294-010**  
**Die grinder 710W 6mm chuck**  
 Variable electronic speed 10 000 to 30 000RPM. 710W Power. 6mm chuck.

## Impact wrench



**296-010**  
**Impact wrench 650W 600Nm 1/2" Drive**  
 650W Power. 600Nm torque. 2100 RPM speed.

## Angle grinders



**298-010**  
**Angle grinder 115mm 850W**  
 Angle grinder 115mm capacity. 850W Power.



**298-020**  
**Angle grinder 115mm 1100W**  
 Angle grinder 115mm capacity. 1100W Power.

## Cut off saw



**298-030**  
**Angle grinder 230mm 2200W**  
 Angle grinder 230mm capacity. 2200W Power.



**298-040**  
**Angle grinder 230mm 2600W**  
 Angle grinder 230mm capacity. 2600W Power.



**300-010**  
**Cut off saw 355mm 2300W**  
 Cut off saw 355mm blade. 2300W Power.

## Heat gun



**302-010**  
**Heat gun 2000W 3 Speed**  
 Three speed 150 / 300 / 500L/min. Temperature 80 to 600°C.

## Glue gun



**304-010**  
**Glue gun**  
 Non drip nozzle. Capacity 18g/min. 11W.

## Screwdriver / drill



**306-010**  
**Cordless drill / screwdriver 12V**  
 Variable electronic speed with forward and reverse direction. 2 Speed mechanical gearbox. 10mm keyless chuck. 2 x 12V 2Ah Li-Iron batteries with fast charger. Maximum torque 40Nm.

## Screwdriver impact drill



**306-020**  
**Cordless drill / screwdriver / impact drill 18V**  
 Variable electronic speed with forward and reverse direction. 2 Speed mechanical gearbox. 13mm keyless chuck. 2 x 18V 2Ah Li-Iron batteries with fast charger. Maximum torque 50Nm.



**306-030**  
**Cordless drill / screwdriver / impact drill 18V**  
 Variable electronic speed with forward and reverse direction. 2 Speed mechanical gearbox. 13mm keyless chuck. 2 x 18V 4Ah Li-Iron batteries with fast charger. Maximum torque 60Nm.



**306-040**  
**Cordless drill / screwdriver / impact drill 18V**  
 Variable electronic speed with forward and reverse direction. 2 Speed mechanical gearbox. 13mm keyless chuck. 2 x 18V 5.2Ah Li-Iron batteries with fast charger. Maximum torque 120Nm.

## Hammer drill



**308-010**  
**Cordless rotary hammer drill 24mm (masonry)**  
 Variable electronic speed with forward and reverse direction. 2.2J Chiseling capacity. SDS chuck but also a standard quick change keyless 13mm chuck included. Capacity 24mm masonry. No batteries or charger included.

## Batteries



**310-010**  
**Li-Iron 12 to 36V battery charger**  
 Fast charger, air cooled



Li-Iron battery					
Code	Voltage	Amp Hour	Code	Voltage	Amp Hour
310-020	12V	2.0Ah	310-070	18V	8.0Ah
310-030	12V	4.0Ah	310-080	18V	10.0Ah
310-040	18V	2.0Ah	310-090	36V	5.2Ah
310-050	18V	4.0Ah	310-100	36V	6.2Ah
310-060	18V	5.5Ah			

## Impact wrench



Cordless impact wrench	
Code	Torque
312-010	300Nm
312-020	400Nm
312-030	600Nm

## Angle grinders



**314-010**  
**Cordless angle grinder 115/125mm 18V**  
 115 / 125mm. No load speed 9000RPM.



**314-020**  
**Cordless angle grinder 230mm 36V**  
 230mm. No load speed 6600RPM. Battery not included.

## Brake lathes



**316-010**  
On car disc brake lathe

Complete with heavy duty drive motor mounted on adjustable stand, cutting lathe with universal fittings, alignment tools, cutting bits and manual. Easy to use.



**316-020**  
On car and off car disc brake lathe

It is possible to mount disc directly onto the lathe. Earn more income by clients dropping off discs for skimming. Also possible to cut discs directly on the vehicle. Complete with heavy duty drive motor mounted on adjustable stand, cutting lathe with universal fittings, alignment tools, cutting bits and manual. Easy to use.



**316-030**  
Off car / truck  
Drum, disc brake and flywheel lathe

Complete with stand and all accessories  
Disc diameter 102-610mm  
Disc width up to 73mm  
Drum diameter 152-711mm  
Drum depth up to 229mm  
220V 50Hz Single phase

## Brake tester



**318-010**  
Brake tester

Decelerometer that allows the execution of braking efficiency tests on the road for light and heavy vehicles with convenient Bluetooth connection

## Brake tools



**320-010**  
Disc brake separator  
Maximum opening 65mm



**320-020**  
Wind back tool  
Cube  
6 Popular sizes



**320-030**  
Brake wind back tool  
7 Piece. Suitable for most popular vehicles.



**320-040**  
Brake wind back tool  
11 Piece. Suitable for most popular vehicles.



**320-050**  
Brake wind back tool  
18 Piece. Very comprehensive set suitable for most vehicles. Includes left and right threaded tools.



**320-060**  
Brake wind back tool  
21 Piece. Very comprehensive set suitable for most vehicles. Includes left and right threaded tools.



**322-010**  
**Brake bleeder / vacuum system tester**  
 Suitable to bleed brakes with one person and to test vacuum related systems accurately.

**Brake bleeders**



**322-020**  
**Brake / clutch bleeder (pressure method)**  
 Suitable to bleed brakes and clutches with one person. Can be used on ABS brakes.



**322-030**  
**Brake spring washer tool**  
 To remove and install stubborn hold-down springs. Suitable for spring washers 5/8" to 7/8" (12 - 22mm) in diameter

**Brake fluid / system testers**



**324-010**  
**Brake fluid tester**  
 Detects moisture in DOT 3, 4 and 5 brake fluid. Easy to read 3 colour LED display



**324-020**  
**Brake service & inspection kit**  
 Kit includes brake fluid tester, disc brake vernier, tyre tread gauge and disc pad thickness gauge

**Brake cylinder hones**



**Brake cylinder hone**  
**Professional ball type**

Code	Size	Range	Grit
326-010	12mm	10 - 14mm	180 grit
326-020	14mm	12 - 16mm	180 grit
326-030	16mm	14 - 18mm	180 grit
326-040	18mm	16 - 20mm	180 grit
326-050	20mm	18 - 22mm	180 grit
326-060	22mm	20 - 25mm	180 grit
326-070	25mm	22 - 29mm	180 grit
326-080	29mm	25 - 35mm	180 grit
326-090	35mm	29 - 41mm	180 grit

Other sizes and grits available on request



**328-010**  
**Brake cylinder hone**  
 Two stone 13 to 64mm



**328-020**  
**Brake cylinder hone**  
 Three stone 19 to 64mm



**Stone sets**

Code	Set
328-030	Two stone
328-040	Three stone

**Brake tools**



**330-010**  
**Brake spring plier**  
 Tool easily removes and installs shoe return springs on most drum brakes



**330-020**  
**Brake adjuster**  
 To adjust brake drum shoes



**330-030**  
**Brake spring washer tool**  
 To remove and install stubborn hold-down springs. Suitable for spring washers 5/8" to 7/8" (12 - 22mm) in diameter

## Valve refacer



**332-010**  
**Valve refacer**  
230 V Single phase. Machine is complete with stone dresser. Cut valves with stem diameter from 5 - 18 mm. Special design, no need for collets to clamp valve stems.

## Valve seat grinder



**334-010**  
**Valve seat grinder**  
Machine is complete with self centering pilots and grinding wheels 26 - 63 mm diameter. Stone dresser included to reface grinding wheels. 220V Single phase.

## Valve seat cutter



**334-020**  
**Valve seat cutting tool**  
Precision machined tungsten carbide blades produce valve seats with accurate seat angles, superior surface and true flat seal. Seats concentric with valve guide.



**334-030**  
**Oscillating valve lapper**  
Unique mechanism converts rotary drill action to oscillating grinding motion. 22/28mm sucker head fits most valves.

## Valve lappers



**334-040**  
**Double-ended valve grinder set**  
Suitable for grinding most engine valves. Suction cup sizes: 15, 20, 28, 34mm.

## Valve spring tester



**336-010**  
**Valve spring compressor**  
0 - 700 lbs/in  
0 - 320 Kg/in

## Block testers



**338-010**  
**Block tester**  
Testing kit to check cylinder heads and blocks for cracks and / or blown gaskets



**338-020**  
**Block testing fluid**  
Additional fluid to be used with block tester. Recommended to keep fluid refrigerated to extend shelf life



## Valve spring compressors



**340-010**  
**Universal Valve Spring Installer & Remove Set**  
 Used for removing and installing valve spring  
 Applications: Audi, Citroen, Fiat, Ford, Honda, Mazda, Mitsubishi, Nissan, Opel, Peugeot, Renault, Rover, Saab, Toyota, Vauxhall, VW, Volvo



**340-020**  
**Universal Valve Spring Installer & Remove Set**  
 Used for removing and installing valve spring  
 Applications: Audi, Citroen, Fiat, Ford, Honda, Mazda, Mitsubishi, Nissan, Opel, Peugeot, Renault, Rover, Saab, Toyota, Vauxhall, VW, Volvo  
 Includes valve stem seal pliers and pneumatic hose and fittings to keep valves closed with compressed air



**340-030**  
**Valve spring compressor**  
 For large engines complete with two sets of jaws.  
 Capacity 55 - 165 mm with offset jaws and 75 - 185 mm with straight jaws.  
 Throat clearance 245 mm.



**340-040**  
**Multi valve spring compressor**  
 For multi-valve petrol & diesel engines, specially designed for difficult access & deep-seated multi-valve cylinder heads.  
 Includes two valve spring adapters, which fit valve spring retainers up to 1"(25mm) and 1-3/16" (30mm).  
 Jaw opening of 1-3/8" to 5-5/8" (35mm to 142mm)  
 Throat clearance of 5-7/8"(150mm).



**340-050**  
**Multi valve spring compressor**  
 Suitable for use on multi-valve petrol and diesel engines with deep-seated valves.  
 Suitable also for general use on OHC engines.  
 Universal jaw with 55-175mm capacity and 165mm throat depth.  
 Reversible jaw and adaptor.  
 Twin cam action permits use from above or below valve.



**340-060**  
**OHV Valve Spring Compressor**  
 Used on a wide range of OHV engines.  
 Allows valve springs and valve stem oil seals to be replaced with the cylinder head mounted.  
 Features a reversible jaw adaptor and automatic cam-action locking system to a pre-determined setting.  
 NOT suitable for use on engines with deep seated valves.



**340-070**  
**Valve pressure spring compressor**  
 BMW  
 N20/N26/N55  
 Installer / Remover  
 For removal and installation of valve pressure springs



**340-080**  
**Valve pressure spring compressor**  
 BMW, Peugeot  
 N12/N16/N18  
 Installer / Remover  
 For removal and installation of valve pressure springs

## Valve pliers



**340-090**  
**Valve Stem Seal Pliers**  
 Used to reach into confined areas for removal of valve seals.  
 Serrated tip for better grip of valve seals

## Piston ring compressors



**344-040**  
**Piston ring compressor set**  
 Installs pistons from 2.7/8" to 4.3/8" (73 to 111mm). 6 Bands.  
 Ratchet allows for bands to compress in small increments.



**Piston ring compressors**  
 Self locking ratchet pawl allows positive locking action. Friction proof band edge makes a smooth & accurate operation.

Code	Height	Capacity
344-010	3" 76mm	53-125mm
344-020	4" 100mm	60-175mm
344-030	6" 150mm	60-175mm

## Piston ring pliers



**342-010**  
**Piston ring groove cleaner**

Fits 2" - 5" (51 - 127 mm) pistons. Three six blade cutters cover all major piston ring grooves. SAE & Metric.



**342-020**  
**Piston ring installer**

Makes ring installation fast and easy. Protects against ring breakage. Suitable for rings from 64 to 159mm. Spring loaded for one hand operation.



**342-030**  
**Piston ring plier**

Removes and installs rings easily & fast without the danger of breakage or distortion. No adjustment needed, expands all rings from 1.1/4" - 4.1/4" 32-108mm

## Cylinder hones



**346-010**  
**Cylinder hone small engine 3 stone**

Suitable from 1.1/4" to 3.1/2" (32-90 mm) 3 Medium grit stones are 2" (50 mm) long. Square ended stones polish to the end in step or blind end cylinders. Flexible shaft.



**346-020**  
**Cylinder hone engine 3 stone**

For cylinders from 2" to 7" (50 - 177 mm) 3 Medium grid stones 4" (100 mm) long for quick polishing or honing



**Honing stones**  
**Three medium grit stones**  
**Complete with pins.**

Code	Length	Hone
346-030	50mm	346-010
346-040	100mm	346-020

**Cylinder hone**  
**Professional ball type**

Code	Size	Range	Grit
348-010	41mm	38 - 45mm	180 grit
348-020	45mm	41 - 51mm	180 grit
348-030	51mm	45 - 57mm	180 grit
348-040	57mm	51 - 64mm	180 grit
348-050	64mm	57 - 70mm	180 grit
348-060	70mm	64 - 76mm	180 grit
348-070	76mm	70 - 83mm	180 grit
348-080	83mm	76 - 89mm	180 grit
348-090	89mm	83 - 95mm	180 grit
348-100	95mm	89 - 101mm	180 grit
348-110	101mm	95 - 105mm	180 grit

Other sizes and grits available on request



## Thread repair inserts



**Thread insert set**  
Includes drill, tap, insert tool and breakout punch

Code	Size
350-010	M4 x 0.7mm
350-020	M5 x 0.8mm
350-030	M6 x 1.0mm
350-040	M8 x 1.25mm
350-050	M10 x 1.5mm
350-060	M12 x 1.75mm

## Spark plug repair inserts



**350-070**  
**Thread insert kit**

M6, M8 and M10  
Includes drills, taps, insert tools and breakout punches



**352-010**  
**Thread insert kit 14 mm spark plug**

Repairs damaged threads on aluminum cylinder heads.  
Includes tap & 4 solid steel inserts of sizes 9.5, 11, 12.7 and 19mm



**352-020**  
**Spark plug hole thread chaser**

14 and 18mm thread.

## Taps



Tap (metric)					
Code	Thread	Code	Thread	Code	Thread
354-010	3 x 0.35mm	354-020	3 x 0.5mm	354-030	4 x 0.5mm
354-040	4 x 0.7mm	354-050	5 x 0.5mm	354-060	5 x 0.8mm
354-070	6 x 0.75mm	354-080	6 x 1.0mm	354-090	7 x 1.0mm
354-100	8 x 1.0mm	354-110	8 x 1.25mm	354-120	9 x 1.25mm
354-130	10 x 1.5mm	354-140	11 x 1.5mm	354-150	12 x 1.25mm
354-160	12 x 1.75mm	354-170	14 x 1.0mm	354-180	14 x 1.5mm
354-190	14 x 2.0mm	354-200	16 x 1.5mm	354-210	16 x 2.0mm
354-220	18 x 1.5mm	354-230	18 x 2.0mm	354-240	18 x 2.5mm
354-250	20 x 1.5mm	354-260	20 x 2.5mm	354-270	22 x 1.5mm
354-280	22 x 2.5mm	354-290	24 x 2.0mm	354-300	24 x 3.0mm
354-310	27 x 2.0mm	354-320	27 x 3.0mm	354-330	30 x 1.5mm
354-340	30 x 3.5mm	354-350	36 x 4.0mm	354-360	42 x 4.5mm

## Thread files



Thread file Internal and external		
Code	Type	Pitch
356-010	Metric	0.8 to 3mm
356-020	Imperial	11, 12, 13, 14, 16, 18, 20, 24TPI
356-030	Imperial	9, 10, 12, 16, 20, 27, 28, 32TPI

Thread file External		
Code	Type	Pitch
358-010	Metric	0.8 to 3mm
358-020	Imperial	11, 12, 13, 14, 16, 18, 20, 24TPI
358-030	Imperial	9, 10, 12, 16, 20, 27, 28, 32TPI

## Dies



Die nut (metric)					
Code	Thread	Code	Thread	Code	Thread
360-010	3 x 0.35mm	360-020	3 x 0.5mm	360-030	4 x 0.7mm
360-040	5 x 0.8mm	360-050	6 x 0.75mm	360-060	6 x 1.0mm
360-070	7 x 1.0mm	360-080	8 x 1.0mm	360-090	8 x 1.25mm
360-100	9 x 1.25mm	360-110	10 x 1.25mm	360-120	10 x 1.5mm
360-130	11 x 1.5mm	360-140	12 x 1.25mm	360-150	12 x 1.75mm
360-160	14 x 1.5mm	360-170	14 x 2.0mm	360-180	16 x 1.5mm
360-190	16 x 2.0mm	360-200	18 x 1.5mm	360-210	18 x 2.5mm
360-220	20 x 1.5mm	360-230	20 x 2.5mm	360-240	22 x 1.5mm
360-250	22 x 2.5mm	360-260	24 x 2.0mm	360-270	24 x 3.0mm
360-280	30 x 3.5mm	360-290	36 x 4.0mm		

Die (metric)					
Code	Thread	Code	Thread	Code	Thread
362-010	3 x 0.5mm	362-020	4 x 0.5mm	362-030	4 x 0.7mm
362-040	5 x 0.5mm	362-050	5 x 0.8mm	362-060	6 x 0.5mm
362-070	6 x 0.75mm	362-080	6 x 1.0mm	362-090	7 x 1.0mm
362-100	8 x 1.0mm	362-110	8 x 1.25mm	362-120	9 x 1.25mm
362-130	10 x 1.25mm	362-140	10 x 1.5mm	362-150	11 x 1.5mm
362-160	12 x 1.25mm	362-170	12 x 1.75mm	362-180	14 x 1.0mm
362-190	14 x 2.0mm	362-200	16 x 1.5mm	362-210	16 x 2.0mm
362-220	18 x 1.0mm	362-230	18 x 1.5mm	362-240	18 x 2.5mm
362-250	20 x 1.5mm	362-260	20 x 2.5mm	362-270	22 x 1.5mm
362-280	22 x 2.5mm	362-290	24 x 2.0mm	362-300	24 x 3.0mm
362-310	27 x 2.0mm	362-320	27 x 3.0mm	362-330	30 x 2.0mm
362-340	30 x 3.5mm	362-350	36 x 4.0mm		

## Die handles



Die stock			
Code	Type	Size	Tap
364-010	Die stock	13/16"	M3 - M6
364-020	Die stock	1"	M4 - M10
364-030	Die stock	1.5/16"	M6 - M14
364-040	Die stock	1.1/2"	M8 - M20
364-050	Die stock	2"	M12 - M27

## Tap handles



Tap wrench			
Code	Type	Size	Tap
366-010	Tap wrench	2.8 - 5mm	M3.5 - M6
366-020	Tap wrench	4 - 10mm	M5 - M16
366-030	Tap wrench	4 - 12mm	M5 - M20
366-040	Tap wrench	5.3 - 17mm	M7 - M30

## Drills



Steel drills Fully ground							
Code	Size	Code	Size	Code	Size	Code	Size
368-010	1mm	368-170	4.2mm	368-330	7.4mm	368-490	10.6mm
368-020	1.2mm	368-180	4.4mm	368-340	7.6mm	368-500	10.8mm
368-030	1.4mm	368-190	4.6mm	368-350	7.8mm	368-510	11.0mm
368-040	1.6mm	368-200	4.8mm	368-360	8.0mm	368-520	11.2mm
368-050	1.8mm	368-210	5mm	368-370	8.2mm	368-530	11.4mm
368-060	2.0mm	368-220	5.2mm	368-380	8.4mm	368-540	11.6mm
368-070	2.2mm	368-230	5.4mm	368-390	8.6mm	368-550	11.8mm
368-080	2.4mm	368-240	5.6mm	368-400	8.8mm	368-560	12.0mm
368-090	2.6mm	368-250	5.8mm	368-410	9.0mm	368-570	12.2mm
368-100	2.8mm	368-260	6.0mm	368-420	9.2mm	368-580	12.4mm
368-110	3.0mm	368-270	6.2mm	368-430	9.4mm	368-590	12.6mm
368-120	3.2mm	368-280	6.4mm	368-440	9.6mm	368-600	12.8mm
368-130	3.4mm	368-290	6.6mm	368-450	9.8mm	368-610	13.0mm
368-140	3.6mm	368-300	6.8mm	368-460	10.0mm	368-620	13.2mm
368-150	3.8mm	368-310	7.0mm	368-470	10.2mm	368-630	13.4mm
368-160	4.0mm	368-320	7.2mm	368-480	10.4mm	368-640	13.5mm

Steel drills (reduced shanks 13mm) Fully ground					
Code	Size	Code	Size	Code	Size
370-010	14mm	370-070	17mm	370-130	20mm
370-020	14.5mm	370-080	17.5mm	370-140	20.5mm
370-030	15mm	370-090	18mm	370-150	21mm
370-040	15.5mm	370-100	18.5mm	370-160	21.5mm
370-050	16mm	370-110	19mm	370-170	22mm
370-060	16.5mm	370-120	19.5mm	370-180	24mm

## Tap & Die sets



**372-010**  
Tap & Die set (metric) M2 to M18  
110 Piece  
M2 to M18 in various pitch sizes



**372-020**  
Tap & Die set (metric) M6 to M20  
37 Piece  
M6, M8, M10, M12, M16, M18 and M20



**372-030**  
Tap & Die set (imperial) 5/16 - 1/2"  
20 Piece  
5/16" to 1/2"



**372-040**  
Tap & Die set (metric) M3 to M12  
32 Piece  
M3, M4, M5, M6, M8, M10 and M12



**372-050**  
Tap & Die set (metric) M3 to M12  
44 Piece  
M3, M4, M5, M6, M8, M10 and M12



**372-060**  
Tap & Die set (metric) M3 to M12  
41 Piece  
M3, M4, M5, M6, M8, M10 and M12

## Step drills



**374-010**  
Step drill  
4 to 22 mm  
Steps of 2mm  
4, 6, 8, 10, 12, 14, 16, 18, 20 and 22mm



**374-020**  
Step drill  
5 to 35 mm  
Steps of 2 to 3mm  
5, 8, 10, 12, 14, 17, 20, 22, 25, 27, 30, 32 and 35mm



**376-010**  
Drill set 1 to 10mm  
19 Piece  
1 to 10mm in each 0.5mm size



**376-020**  
Drill set 1 to 13mm  
25 Piece  
1 to 13mm in each 0.5mm size



**376-030**  
Drill set 1 to 13mm (Cobalt)  
25 Piece  
1 to 13mm in each 0.5mm size

## Drill sets

## Rotary burrs



Carbide rotary burr Cylindrical shape with top flat cutter				
Code	Diameter	Length	Total length	Shaft
378-010	6mm	16mm	61mm	6mm
378-020	8mm	20mm	65mm	6mm
378-030	10mm	20mm	65mm	6mm
378-040	12mm	25mm	70mm	6mm
378-050	16mm	25mm	70mm	6mm



Carbide rotary burr Cylindrical shape with ball nose				
Code	Diameter	Length	Total length	Shaft
380-010	6mm	16mm	61mm	6mm
380-020	8mm	20mm	65mm	6mm
380-030	10mm	20mm	65mm	6mm
380-040	12mm	25mm	70mm	6mm
380-050	16mm	25mm	70mm	6mm



Carbide rotary burr Ball nose taper shape				
Code	Diameter	Length	Total length	Shaft
382-010	10mm	25mm	70mm	6mm
382-020	12mm	28mm	73mm	6mm
382-030	16mm	33mm	78mm	6mm



Carbide rotary burr Tree shape ball nose				
Code	Diameter	Length	Total length	Shaft
384-010	6mm	18mm	63mm	3mm
384-020	8mm	20mm	65mm	6mm
384-030	12mm	32mm	77mm	6mm



Carbide rotary burr Tree shape with sharp point				
Code	Diameter	Length	Total length	Shaft
386-010	6mm	18mm	63mm	6mm
386-020	10mm	20mm	65mm	6mm
386-030	12mm	25mm	70mm	6mm
386-040	16mm	25mm	70mm	6mm



Carbide rotary burr Ball shape				
Code	Diameter	Length	Total length	Shaft
388-010	6mm	5mm	50mm	6mm
388-020	8mm	7mm	47mm	6mm
388-030	10mm	9mm	49mm	6mm
388-040	12mm	12mm	61mm	6mm
388-050	16mm	14mm	54mm	6mm

### Measuring tapes



Measuring tape	
Code	Length
390-010	3m
390-020	5m
390-030	8m
390-040	10m

### Rulers



Steel ruler	
Code	Length
392-010	150mm
392-020	300mm
392-030	600mm
392-040	1000mm

### Straight edges



Straight edge Professional	
Code	Length
394-010	300mm
394-020	500mm
394-030	1000mm

### Engineers square



Engineer square	
Code	Length
396-010	100mm
396-020	150mm
396-030	200mm
396-040	300mm

### Builders square



Square Builders / Carpenters	
Code	Size
398-010	200 x 300mm
398-020	400 x 600mm

### Combination square



400-010 Combination square set	
300mm	

### Feeler gauges



Feeler gauge				
Code	Range	Blades	Length	Standard
402-010	0.03-1mm 0,0015-0,025"	26	100mm	Metric Imperial
402-020	0.05-1mm		150mm	Metric
402-030	0.05-1mm		200mm	Metric
402-040	0.05-1mm		300mm	Metric

### Screw pitch gauges



404-010 Screw pitch gauge	
Metric and imperial	

### Radius gauges



406-010 Radius gauge	
Inside and outside	

### Standard verniers



Vernier Standard	
Code	Length
408-010	150mm
408-020	200mm
408-030	300mm

### Dial type verniers



Vernier Dial	
Code	Length
410-010	150mm
410-020	200mm
410-030	300mm

### Digital vernier



Vernier Digital	
Code	Length
412-010	150mm
412-020	200mm
412-030	300mm

## Outside micrometers



Outside micrometer Standard type	
Code	Range
414-010	0 to 25mm
414-020	25 to 50mm
414-030	50 to 75mm
414-040	75 to 100mm

Digital micrometers available on request



416-010 Outside micrometer 0 to 100mm	
4 Piece	
0 - 25mm, 25 - 50mm, 50 - 75mm and 75 - 100mm	
Digital micrometer sets available on request	



416-020 Outside micrometer 0 to 150mm	
6 Piece	
0 - 25mm, 25 - 50mm, 50 - 75mm, 75 - 100mm, 100 - 125mm and 125 - 150mm	
Digital micrometer sets available on request	

## Dial gauge



418-010 Dial gauge	
With lug at back. 0 to 10mm x 0.01mm	

## Magnetic base



420-010 Magnetic base	
Includes fine adjustment	

## Bore gauges



Bore gauge set Dial type	
Code	Range
422-010	18 to 35mm
422-020	35 to 60mm
422-030	50 to 160mm

## Telescopic gauges



424-010 Telescopic gauge set	
8 to 150mm	

## V Blocks



V Blocks Magnetic	
Code	Size
426-010	75mm
426-020	100mm
426-030	150mm

## Scribers



428-010 Scriber	
190mm	

## Spring calipers



Spring caliper Inside	
Code	Size
430-010	100mm
430-020	150mm
430-030	200mm
430-040	250mm
430-050	300mm



Spring caliper Outside	
Code	Size
432-010	100mm
432-020	150mm
432-030	200mm
432-040	250mm
432-050	300mm



Spring divider	
Code	Size
434-010	100mm
434-020	150mm
434-030	200mm
434-040	250mm
434-050	300mm

## Diagnostic scanners



### Super diagnostic scanner

- \* Read fault codes \* Erase fault codes \* Reset oil and service lights \* Do adjustments
- \* View live data \* Test actuators \* Do dynamic tests \* Code components
- \* View technical data and wiring diagrams

Communication via Blue Tooth or wired

Printouts possible through data transfer to optional printer

Software updates via internet

Code	Tablet	Blue Tooth	Wired	Updates	Haynes Pro
438-010	Excluded	Yes	No	Included	Included
438-020	Included	Yes	No	Included	Included
438-030	Included	No	Yes	Included	Included

### 438-040

#### Scan tool (Semi professional)

Great scan tool to start with. Capable to connect to most cars and 4X4 vehicles. Read fault codes. Erase fault codes. Reset service lights. Do basic adjustments. Test some actuators. View live data.



### 438-050

#### Scan tool (Professional)

Capable to connect to most cars and 4X4 vehicles. Read fault codes. Erase fault codes. Reset service lights. Do adjustments. Test actuators. View live data. Do dynamic tests. Code components. Free software updates for three (3) years.



### 438-060

#### Scan tool (Professional elite top line)

Capable to connect to most cars, 4X4, trucks and trailers. Read fault codes. Erase fault codes. Reset service lights. Do adjustments. Test actuators. View live data. Key coding. Do dynamic tests. Code components and much more. Free software updates for three (3) years.



### 442-010

#### Diagnostic scanner (PC Based)

Bluetooth interface complete with all cables, pins and software. Possible to scan vehicles fitted with 16 pin OBD plugs but also vehicles with older round or square plugs. Includes a 2 channel oscilloscope. Software updates available every 6 months and lowest cost in the industry. Only R1500 per update. PC not included.

### 444-010

#### Diagnostic scanner (PC Based)

Bluetooth interface complete with all cables, pins and software. Fault finding and technical data included. Software available for cars, trucks, trailers, earth moving vehicles, agricultural vehicles, motorcycles and marine industry. PC not included.

### 4 Gas analyser (5 Gas option)



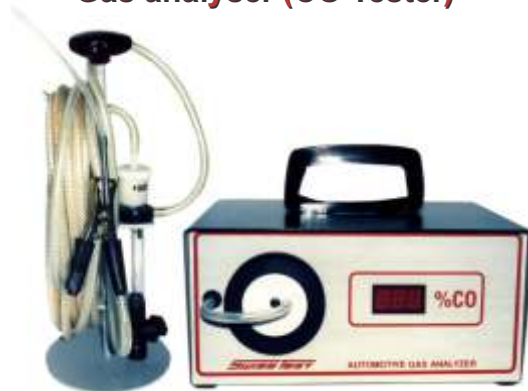
**436-010**  
**4-Gas analyser (5-Gas optional)**  
 Used to measure CO, HC, O2 and Co2 (NOX Optional)  
 These readings can be used to analyse and adjust the most advance fuel injection and carburettor system.  
 Lambda, AFR and corrective CO can be displayed as well.  
 The warm up time is 3 minutes. Printer included

### Smoke tester



**440-010**  
**Diesel smoke tester**  
 Complies with European regulations. Micro processor controlled. To be connected to the 4 / 5 Gas analyser or can work on it's own by interfacing to a computer.

### Gas analyser (CO Tester)



**436-020**  
**Digital CO Tester**  
 Portable CO tester to test fuel injection and carburetor systems. 12 V operation.

### Smoke leak detectors



**436-030**  
**Smoke leak detector (Economy version)**  
 Produces white smoke to check intake and exhaust manifolds, valve seats and various other systems where it is difficult otherwise.  
 Use standard baby oil to produce smoke.  
 Complete with adaptors to connect to system.



**436-040**  
**Smoke leak detector (Deluxe version)**  
 Produces white smoke to check intake and exhaust manifolds, valve seats and various other systems where it is difficult otherwise.  
 Use standard baby oil to produce smoke.  
 Gauge included to view pressure as well as oil level gauge to view oil level.  
 Complete with adaptors to connect to system.



## Compression testers



**446-010**  
**Petrol compression tester**  
Includes ridged and flexible hoses with fittings for most petrol engines



**446-030**  
**Digital petrol compression tester**  
Includes ridged and flexible hoses with fittings for most petrol engines



**446-020**  
**Petrol compression tester with printout (cards)**  
Includes ridged and flexible hoses with fittings for most petrol engines. Packet of 100 cards included.



**448-020**  
**Diesel compression tester**  
Includes a wide variety of glow plug adaptors for diesel engines. Pressure 70Bar.



**448-030**  
**Diesel compression tester with printout (cards)**  
Includes ridged and flexible hoses with fittings for diesel engines. Packet of 100 cards included. All adaptors sold separately



**450-010**  
**Fuel injection pressure tester**  
Suitable for petrol injection systems  
Pressure 0 to 7Bar

## Fuel injection pressure testers



**450-020**  
**Fuel injection pressure tester**  
Suitable for petrol injection systems  
Complete with a range of fittings  
Pressure 0 to 7Bar



**450-030**  
**Fuel injection pressure tester (Petrol)**  
Includes most adaptors, hoses and fittings to test most petrol engines. Has two gauges and capable of doing a very important flow test.

## Cylinder leakage tester



**452-010**  
**Cylinder leakage tester**  
Suitable for petrol and diesel engines  
Includes adaptors for petrol engines

## Vacuum / Pressure testers



**454-010**  
**Brake bleeder / vacuum pressure system tester**  
Suitable to bleed brakes with one person and to test vacuum related systems accurately and also activate systems operated by pressure.



**454-020**  
**Vacuum pressure tester**  
To test vacuum related problems as well as fuel pressure (carburettors)  
Not suitable for fuel injection pressures

## Carburettor synchroniser



**456-010**  
**Carburettor synchronisation kit**

The kit let you synchronize the air intake of 2 to 4 carburettors simultaneously. Complete with most fittings

## Fuel flow meter



**458-010**  
**Fuel flow meter (Common rail diesel engines)**

For measuring the amount of fuel the injectors return to the tank. This way the volume injected per cylinder can be determined. For use on up to 6 Injectors. Adaptors for Bosch, Siemens, Denso and Delphi injectors

## Oil pressure tester



**460-010**  
**Oil pressure tester**

Hose 600mm long with assortment of fittings. 0 to 35Bar pressure.

## Back pressure tester



**462-010**  
**Exhaust back pressure tester**

Easy to detect blocked catalytic converters or exhausts

## Transmission pressure tester



**464-010**  
**Transmission pressure tester**

Supplied with two pressure gauges for high and low pressure ranges. Complete with adaptors. Range 0 to 7Bar & 0 to 35Bar.

## Stethoscope



**466-010**  
**Stethoscope**

Used to pinpoint worn bearings, engine faults and other mechanical noises.

## Noise finder



**466-020**  
**Electronic stethoscope**

2 Channel. Complete with 3 types of sensors. Long fixed sensor, magnetic sensor and clamp on sensor. Used to pinpoint worn bearings, engine faults and other mechanical noises.

## Timing lights



**468-010**  
**Timing light with advance**

Supplied with inductive clamp that fits over spark plug lead. Advance reading on dial 0 to 60 degree.



**468-020**  
**Timing light with advance, volts, dwell and RPM**

Supplied with inductive clamp that fits over spark plug lead. Digital display that reads advance (0 to 60 degree), volts, dwell (0 to 100%) and RPM (0 to 9999RPM). RPM and advance readings have a built in function to rectify RPM and advance readings while using on direct ignition engines.

## Diesel timing adaptor



**468-030**  
**Diesel timing adaptor**

The adaptor is designed to be used in conjunction with most petrol timing lights fitted with an inductive clamp. The diesel adaptor's clamp, is supplied with a square clamp capable of testing diesel engines with pipes from 6 to 10mm in diameter.

## Ultrasonic leak detector



**470-010**  
**Ultrasonic leak detector**

Easy to check for windows and doors not sealing properly.

## Tachometer



**472-010**  
**Digital tachometer**

To measure RPM of moving shafts, pulley's etc. Contact type by means of various wheels or non contact by means of reflective tape.

## Electrical Test Benches



**Electrical test benches**  
For alternators and starters 12 / 24V  
Bench models

Code	Voltage	Speed	DFM
474-010	380V	Fixed	No
474-020	230V	Variable	No
474-030	230V	Variable	Yes



**Electrical test benches**  
For alternators and starters 12 / 24V  
Regulator test and hydraulic starter  
brake included

Code	Voltage	Speed	DFM
474-040	380V	Fixed	No
474-050	230V	Variable	No
474-060	230V	Variable	Yes

## Headlight Aimer



**476-010**  
**Headlight aimer**

Complete with optical alignment gauge  
Suitable for symmetric and asymmetric lenses  
with headlight heights of up to 1660mm.  
Includes digital LUX meter.

## Circuit Testers



**478-010**  
**DFM Tester**

This unit is necessary to test Magneti Marelli and Ford alternators with DFM regulator output



**480-010**  
**Car tester light 6 to 24V**

Sharp probe tip covered with brass protection cap.  
You can check the function of car lights fast and easily.  
Brass casing body.



**480-020**  
**Car tester light 6 to 50V**

Sharp probe with special housing to probe through wire easily and lock into position if needed. The use of LED's instead of globes reduces the risk of damage to electronics.



**480-030**  
**Inteli probe 6 - 24V**

The probe uses a 5m cable which attaches to the vehicle's battery, allowing the user to perform an electrical test anywhere in, or around the vehicle. The inteli probe is a continuity / voltage tester, with visual indicators to indicate ground or voltage. This circuit tester also supplies battery voltage or ground to activate components. This powerful time-saver tool is perfect for every technician



**480-040**  
**Inteli probe 0 - 40V**

The probe uses a 5m cable which attaches to the vehicle's battery, allowing the user to perform an electrical test anywhere in, or around the vehicle. The inteli probe is a continuity / voltage tester, with visual indicators to indicate ground or voltage with a digital display. This circuit tester also supplies battery voltage or ground to activate components. This powerful time-saver tool is perfect for every technician



**480-050**  
**Diagnostic Smart Probe**

Test ignition plugs, sensor measurement, earth testing, polarity checks, continuity testing and components activation. Easy reading AVO meter allows you to read voltage, current and resistance as well as an oscilloscope to read pulses at a fingertip. Just pressing power switch, the live wire / ground lead can instantly power up electrical components such as the cooling fans, relays etc. Instantly identifies positive, negative and open circuits Test for bad ground contacts instantly, allowing you to follow and locate the shorts fast without wasting fuses.

## Battery and alternator testers



**482-010**  
**Voltage tester 0 - 16V**

A must for starting / charging systems and battery tests as well as other electrical tests. Single function meter with large face for simplicity and easy reading. 0 - 16V DC Volt scale for all automotive electrical systems. Convenient probe and alligator clip.



**482-020**  
**Battery alternator tester 12V**

Cost effective tester to test battery and alternator



**482-030**  
**Battery and charging system tester**

Battery testing on 6V and 12V batteries  
Alternator charging on 12V and 24V systems  
Suitable to test 200 to 1200 CCA batteries  
Capable of testing 12V start stop batteries.  
For all Lead-Acid, AGM, EFB, GEL, VRLA batteries



**482-040**  
**Battery and charging system tester**

Battery testing on 12V batteries  
Alternator charging on 12V and 24V systems  
Suitable to test 40 to 2000 CCA batteries  
Capable of testing 12V start stop batteries  
For all Lead-Acid, AGM, EFB, GEL, VRLA batteries



**482-060**  
**Battery and charging system tester with printer**

Battery testing on 12V batteries  
Alternator charging on 12V and 24V systems  
Suitable to test 40 to 2000 CCA batteries  
Capable of testing 12V start stop batteries  
Capable of printing a full report  
For all Lead-Acid, AGM, EFB, GEL, VRLA batteries



**482-070**  
**Battery and charging system tester with printer**

Battery testing on 6V and 12V batteries  
Alternator charging on 12V and 24V systems  
Suitable to test 40 to 2000 CCA batteries  
Capable of testing 12V start stop batteries  
Capable of printing a full report  
For all Lead-Acid, AGM, EFB, GEL, VRLA batteries



**482-080**  
**Battery and charging system tester with printer**

Battery testing on 12V and 24V batteries  
Alternator charging on 12V and 24V systems  
Suitable to test 100 to 2000 CCA batteries  
Capable of testing 12V start stop batteries  
Capable of printing a full report  
For all Lead-Acid, AGM, EFB, GEL, VRLA batteries



**482-090**  
**Battery and charging system tester with printer**

Battery testing on 12V and 24V batteries  
Alternator charging on 12V and 24V systems  
Suitable to test 100 to 2000 CCA batteries  
Capable of testing 12V start stop batteries  
Capable of printing a full report  
For all Lead-Acid, AGM, EFB, GEL, VRLA batteries  
Includes a inductive AMPS probe to measure up to 1000A.

## Load testers



**484-010**  
**Battery load tester (analogue)**

Load testing on 6V and 12V batteries  
Alternator charging on 12V systems  
Suitable to test up to 1000 CCA batteries  
Load capacity 125A. Possible to test battery, cranking system (starter) and charging system (alternator)



**484-020**  
**Battery load tester (digital)**

Load testing on 12V batteries. Alternator charging on 12V systems. Suitable to test up to 1000 CCA batteries  
Load capacity 125A. Possible to test battery, cranking system (starter) and charging system (alternator).  
Automatically turns off load after 10 sec



**484-030**  
**Battery load tester (carbon pile)**

Load testing on 12V batteries  
Alternator charging on 12V systems  
Suitable to test up to 1000 CCA batteries  
Load capacity 500A. Possible to test battery, cranking system (starter) and charging system (alternator) under load. Built in beeper after test.

## Multimeters



**486-010  
Multimeter**

AC / DC Voltage 0 to 500V, AC & DC Amperage 0 to 10A , transistor check (PNP or NPN), diode check, resistance up to 2MΩ, continuity tester with buzzer and data hold, min & max hold standard.



**486-020  
Multimeter**

AC & DC Voltage 0 to 1000V, AC & DC Amperage 0 to 10A (optional clamp on adaptor available to measure amperage up to 600A), frequency up to 10MHz, capacitance up to 4000μF, **duty cycle**, resistance up to 60MΩ, continuity tester with buzzer, auto ranging, data hold, min & max hold standard



**486-030  
Multimeter**

AC & DC Voltage 0 to 1000V, AC & DC Amperage 0 to 10A (optional clamp on adaptor available to measure amperage up to 600A), frequency up to 10MHz, capacitance up to 4000μF, **temperature**, resistance up to 60MΩ, continuity tester with buzzer, auto ranging, data hold, min & max hold standard

## Surge Protectors



**488-010  
Clamp meter**

AC / DC Amps 0 to 800V. No need for tapping into the circuit. Simply clamp the meter over the wire. AC & DC Volts 0 to 600V, temperature, capacitance, frequency, resistance, continuity tester with buzzer and diode test. Automatic power off function.



**490-010  
Voltage tester**

AC & DC Voltage 0 to 690V, phase rotation test, single pole phase check, low impedance check, polarity detection, rotary field indication and continuity test. By simply placing the probes of the tester onto the circuit under test, the meter is automatically turned on.



**Surge protectors**

Protects sensitive electronic components on vehicles when battery terminals are connected or removed, vehicles are boost started with jumper cables / booster packs or arc welding is performed

Code	Voltage
492-010	12V
492-020	24V

## Battery Hydrometers



**494-010  
Battery hydrometer**

Cost effective hydrometer to measure specific gravity of battery fluid



**494-020  
Battery hydrometer**

Cost effective hydrometer to measure specific gravity of battery fluid



**496-010  
Refractometer**

Test ethylene glycol (antifreeze) strength, battery liquid (specific gravity) as well as washer fluid.

## Booster Packs



**498-010  
Booster pack 12V**

Capable of starting most petrol & diesel cars and LDV vehicles. Voltage 12V 2000A. Designed to supply high current at short intervals. Not recommended to crank problem vehicles for long durations.



**498-020  
Booster pack 12V 24V**

Capable of starting most petrol & diesel cars, LDV's and small trucks. Voltage 12V 4000A or 24V 2000A. Designed to supply high current at short intervals. Not recommended to crank problem vehicles for long durations.



**498-040 Booster pack 12V 24V 3000A  
498-050 Booster pack 12V 24V 5000A**

Capable of starting most petrol & diesel cars, LDV's and trucks. Voltage 12V or 24V. Designed to supply high current at short intervals. Not recommended to crank problem vehicles for long durations.

## Battery maintainers / chargers



**500-010**  
**Battery maintainer / charger 1.5A 12V**  
 Smart charger. Power 1.5A 12V. Keeps batteries fully charged and maintained. To be used on caravans, boats and vehicles that are not frequently used.



**500-020**  
**Battery maintainer / charger 3A 12V**  
 Smart charger. Power 3A 12V. Keeps batteries fully charged and maintained. To be used on caravans, boats and vehicles that are not frequently used.



**500-030**  
**Battery maintainer / charger 5A 12V**  
 Smart charger. Power 5A 12V. Keeps batteries fully charged and maintained. To be used on caravans, boats and vehicles that are not frequently used.

## Battery chargers



**500-040**  
**Battery maintainer / charger 1.5 / 10A 12V**  
 Smart charger. Power 1.5A 10A 12V. Keeps batteries fully charged and maintained. To be used on caravans, boats and vehicles that are not frequently used. Batteries can also be quick charged when selecting the 10A function.



**500-050**  
**Battery maintainer / charger 4 x 5A 12V**  
 Smart charger. Four chargers in one. Power 5A 12V. Charge and maintain up to 4 batteries at a time. Keeps batteries fully charged and maintained. To be used on caravans, boats and vehicles that are not frequently used. Ideal for people that want to charge and maintain more than one battery at a time.



**502-010**  
**Battery charger 22A 6V or 12V**  
 Smart charger. Power 22A 6V or 12V. For all Lead-Acid, AGM, EFB, GEL and VRLA batteries. Quick and easy way to quick charge a battery without damaging it.



**504-010**  
**Battery charger 12A**  
 12 and 24V. Continuous charge rate of 12A. Suitable for wet and AGM batteries



**504-020**  
**Battery charger 30A**  
 12 and 24V. Continuous charge rate of 30A. Suitable for wet and AGM batteries



**504-030**  
**Boost battery charger on wheels**  
 12 and 24V. Continuous charge rate of 40A. Boost charge 400A.



**504-040**  
**Boost battery charger on wheels**  
 12 and 24V. Continuous charge rate of 75A. Boost charge 500A.

## Armature growler



**506-010**  
**Armature growler**  
 For testing armatures on motors

## Impact driver



**508-010**  
**Impact driver set**  
 6 Piece. To be used to remove stubborn bolts on starters, alternators and other applications. Supplied with 2 x Flat and 2 x Phillips bits

## Booster Cables



**510-010**  
**Battery booster cables (1000A)**  
 Very heavy duty cables suitable for most vehicles. Battery cables are 50m<sup>2</sup> and use clamps with copper tips.



Battery booster cables		
Code	Capacity	Length
510-020	400A	3m
510-030	600A	3m
510-040	800A	3m

## Battery Carrier



**512-010**  
**Battery carrier**  
 Tool for lifting and carrying batteries effortlessly

## Alternator Sockets



**514-010**  
**Alternator socket**  
 Suitable for Bosch alternators normally found on Mercedes Benz, VW, Audi and BMW vehicles



**514-020**  
**Alternator socket set**  
 13 Piece.  
 Suitable to most alternators



**514-030**  
**Alternator socket set**  
 18 Piece.  
 Suitable to most alternators

## Battery terminal tools



**516-010**  
**Battery terminal cleaner**  
 Suitable of cleaning battery terminals (posts) and battery clamps



**516-020**  
**Battery terminal & wiper arm puller**  
 Easily removes stuck battery terminals and bolted on windshield wiper arms, that fit over a tapered spline.



**516-030**  
**Battery plier**  
 7" Used on battery terminals

## Crimping pliers



**518-010**  
**Crimping pliers**  
 Capacity 1.25mm to 8mm



**518-020**  
**Crimping pliers**  
 Capacity 1.25mm to 14mm



**518-030**  
**Crimping tool set**  
 7 Piece. Ratchet type to apply consistent pressure. Suitable for insulated, non insulated, open barrel, cord end and coaxial terminals.

## Wire strippers



**520-010**  
Wire stripper  
0.2 to 6mm wire



**520-020**  
Wire stripper  
0.2 to 6mm wire



**520-030**  
Wire stripper  
0.2 to 6mm wire  
Fully insulated

## Ignition tools



**522-010**  
Ignition lock remover  
Tool used for removing Mercedes Benz ignition locks



**522-020**  
Relay plier  
For the safe removal of electrical relays and fuses. Spring loaded for one handed operation.



**522-030**  
Spark lead plier  
For removing plug and coil leads to avoid being shocked by HT leads

## Radio removal kit



**522-040**  
Ignition coil puller  
For removing VW and Audi ignition coils



**522-050**  
Ignition coil puller set  
4 Piece. Suitable to be used on VW and Audi ignition coils



**524-010**  
Master radio set  
46 Piece master set to install and / or remove most automotive radios

## Soldering



Soldering irons	
Code	Power
526-010	40W
526-020	80W
526-030	120W
526-040	175W



Soldering gun / station			
Code	Description	Power	
528-010	Gun	100W	
528-020	Tips for gun		
528-030	Station	40W	



Solder			
Resin core suitable for electronic work			
Acid core suitable for plumbing work			
Code	Thickness	Weight	Core
530-010	0.7mm	500g	Resin
530-020	0.9mm	500g	Resin
530-030	1.25mm	500g	Resin
530-040	1.6mm	500g	Resin
530-050	2mm	500g	Resin
530-060	2.5mm	500g	Acid



## Aircon charging stations



**532-010**  
**Aircon station**  
**R134A**

Gas recovery, leak check, oil recovery and injection and recharging all done automatically. Very easy to operate. Integrated vehicle database. Suitable for cars and bakkies. Tank capacity 12.5Kg. 220V Single phase Optional printer available



**532-020**  
**Aircon station**  
**R134A and R1234yF**

Two machines in one. Gas recovery, leak check, oil recovery and injection and recharging all done automatically. Very easy to operate. Integrated vehicle database. Suitable for cars and bakkies. Tank capacity 2 x 10.5Kg. 220V Single phase Printer included.



**532-030**  
**Aircon station**  
**R134A**

Gas recovery, leak check, oil recovery and injection and recharging all done automatically. Very easy to operate. Integrated vehicle database. Suitable for cars and bakkies. Tank capacity 30Kg. 220V Single phase Printer included. Recommended for Bus service.



**534-010**  
**Aircon flushing station**

To be used as a stand alone unit to clean aircon systems. Suitable for R134A gas. 230V Single phase.



**534-020**  
**Aircon flushing kit**

To be used with any of the aircon stations.



**536-010**  
**R134A Aircon gas**  
13Kg Bottle

## Aircon consumables



**536-020**  
**UV Light with goggles**

To check leaks on aircon systems. Works in conjunction with UV dye



**536-030**  
**Leak detecting dye**  
250ml Bottle



**536-040**  
**Pag oil 100**  
1L Bottle

## Hose clamp tools



**538-010**  
**Fuel line disconnect tool**  
 1/4, 5/16, 3/8, 1/2,  
 5/8, 3/4 & 7/8" adaptors



**538-020**  
**Fuel line disconnect plier set**  
 Blue 1/4", 5/16", 8mm  
 Green 3/8", 10mm  
 Red Special applications



**538-030**  
**Hose clamp plier set**  
 9 Piece



**538-040**  
**Fuel feed pipe pliers**  
 Suitable for releasing connections  
 on fuel pipes during maintenance  
 or when replacing fuel filters



**538-050**  
**Hose clamp plier**  
 With long extension to reach  
 hard to get places



**538-060**  
**Hose clamp plier**  
 Straight type with built in  
 ratchet



**538-070**  
**Hose clamp plier**  
 Angled type with built in  
 ratchet



**538-080**  
**Fuel line pliers**  
 Used to remove clamps on fuel lines



**538-090**  
**Hose clamp pliers**  
 Click type

## Pipe cutters



**540-010**  
**Pipe cutter (mini type)**  
 3mm – 28mm



**540-020**  
**Pipe cutter**  
 3mm – 28mm



**540-030**  
**Pipe cutter**  
 12mm – 50mm

## Flaring tools



**542-010**  
**Double flaring tool with pipe cutter**  
 Suitable for aluminium & copper tubing



**542-020**  
**Double flaring tool**  
 Suitable for 1/4", 5/16", 3/8", 1/2", 5/8" and 3/4" tubing.



**542-030**  
**Hydraulic flaring tool (metric and imperial)**  
 Professional flaring tool for various types of flaring. Suitable for steel, copper & aluminium tubing



**544-010**  
**Tube bender**  
 Suitable for 10 to 13mm tubing



**544-020**  
**Pipe bender**  
 Suitable for 6, 8 and 10mm tubing



**544-030**  
**Pipe bender**  
 Suitable for pipes 15mm and 22mm in diameter (1/2" and 3/4")

## Radiator pressure testers



**546-010**  
**Radiator pressure tester**  
 28 Piece. Master cooling radiator pressure tester with vacuum purge and refill kit. Suitable for most vehicles



**546-020**  
**Radiator pressure tester**  
 14 Piece. Universal radiator pressure tester. Kit includes thermometer. Suitable for a wide variety of vehicles



**546-030**  
**Radiator cap pressure tester**  
 Suitable for most standard radiator cap pressure testing. Pressure pump capable of testing up to 2 Bar (30 psi)



**546-040**  
**Radiator pressure tester**  
 18 Piece. Universal radiator pressure tester. Kit includes cap tester. Suitable for a wide variety of vehicles. Aluminium radiator caps.



**546-050**  
**Radiator vacuum purge & refill kit**  
 Refill entire cooling system quickly. Eliminates the need for bleeding and purging the system to prevent air pockets.



**546-060**  
**Radiator pressure tester**  
 Ideal for locating system leaks from head gaskets, header tank, radiator, feeder core, core plugs, water pump and hoses. Suitable for most vehicles including trucks. With special patented bladder it's easy to use with no special adaptors

## Block testers



**338-010**  
**Block tester**  
Testing kit to check cylinder heads and blocks for cracks and / or blown gaskets



**338-020**  
**Block testing fluid**  
Additional fluid to be used with block tester. Recommended to keep fluid refrigerated to extend shelf life

## Fuel / Brake hose clamps



**548-010**  
**Fuel & brake line clamps**  
Compact design allows use in confined spaces. Suitable for use on fuel, vacuum and brake hoses

## Antifreeze testers



**548-020**  
**Fuel & brake line clamps**  
3 Piece  
Plastic pliers prevent harm to hoses. Suitable for use on fuel, vacuum and brake hoses



**550-010**  
**Antifreeze tester**  
Test ethylene glycol strength and include temperature adjustment scale for accurate interpretation of mixture strength.



**496-010**  
**Refractometer**  
Test ethylene glycol (antifreeze) strength, battery liquid (specific gravity) as well as washer fluid.

## Viscous van clutch spanners



**552-010**  
**Viscous fan spanner set**  
Suitable for most viscous fans including BMW and Mercedes Benz vehicles.

## Thermometers



**554-010**  
**Infrared thermometer**  
Temperature from -50 °C to 1050 °C. Include dual laser for accurate distance measurement, data hold and maximum reading hold.



**554-020**  
**Pen type thermometer**  
Temperature from -40 °C to 250 °C. Includes data hold, automatic power off, and minimum / maximum reading hold. Probe made of stainless steel.

## Carburettor / Injection adjustment set



**556-010**  
**Carburettor & fuel injection set**  
Most drivers to adjust carburettor and fuel injection systems

## Fuel lid spanner



**556-020**  
**Fuel injection lid remover**  
Adjustable tool to remove most fuel tank lids. 45 - 190mm

## Turbo spanner



**558-010**  
**Turbo spanner**  
12mm Bi-hexagon spanner to be used with 3/8" Drive ratchet. To be used on VW / Audi diesel engines fitted with turbo chargers

## BMW timing tools



**560-010**  
Timing tool  
BMW, Mini  
B38 / B48 / B58



**562-010**  
Timing tool  
BMW  
M40 / M43



**562-020**  
Timing tool  
BMW  
N40 / N42 / N45 / N46



**566-010**  
Timing tool  
BMW, Opel, Land Rover, Range Rover  
2.5 TDS



**566-020**  
Timing tool  
BMW, Land Rover, Range Rover, Rover, Opel  
M41 / M47 / M47TU / M47T2 / M47R  
M51 / M57 / M57TU / M57T2  
2.0 3.0  
204D3, Td4, Td6



**562-030**  
Timing tool  
BMW  
M40 / M42 / M43 / M44 / M50  
M52 / M54 / M55 / M60



**562-040**  
Timing tool  
BMW  
M42 / M44 / M50 / M52 / M52TU  
M54 / M56 / S50US / S52US



**562-050**  
Timing tool  
BMW  
M42 / M50



**562-060**  
Timing tool  
BMW  
M42 / M44 / M50 / M52 / M54 / M56



**562-070**  
Timing tool  
BMW  
M42 / M47 / M50 / M52 / M60



**562-080**  
Timing tool  
BMW  
N43  
1.6 / 2.0  
Petrol



**562-090**  
Timing tool  
BMW  
M47  
1.6 2.0

## BMW timing tools



**562-100**  
Timing tool  
BMW  
M52TU / M54 / M56



**562-110**  
Timing tool  
BMW  
M60 / M62



**562-120**  
Timing tool  
BMW  
M60 / M62



**560-040**  
Timing tool  
BMW  
S63  
2008-2013



**562-130**  
Timing tool  
BMW  
N20 / N26  
4 Cylinder turbo



**562-140**  
Timing tool  
BMW  
N40 N45 N45T



**562-150**  
Timing tool  
BMW  
N42 / N46



**562-160**  
Timing tool  
BMW  
N42 / N46 / N46T  
1.8 2.0  
Petrol



**562-170**  
Timing tool  
BMW  
N47 / N47S  
2.0  
Diesel



**560-030**  
Timing tool  
BMW, Mini  
N47 / N47S / N57  
R56 / R60 / R61  
2.0  
Diesel



**562-180**  
Timing tool  
BMW  
N51 / N52

## BMW timing tools



**562-190**  
Timing tool  
BMW  
N53 / N54



**562-200**  
Timing tool  
BMW  
N51 / N52 / N53 / N54



**562-210**  
Timing tool  
BMW  
N51 / N52 / N53 / N54 / N55



**562-220**  
Timing tool  
BMW  
N62 / N73  
V8 / V12



**562-230**  
Timing tool  
BMW  
N62 / N73  
V8 / V12



**562-240**  
Timing tool  
BMW  
N63 / N74

## BMW Mini timing tools



**568-010**  
Timing tool  
BMW, Mini, Citroen, Peugeot  
N12 / N14  
1.4 1.6  
Petrol



**560-020**  
Timing tool  
BMW, Mini  
N13 / N16 / N18



**560-010**  
Timing tool  
BMW, Mini  
B38 / B48 / B58

## Mercedes Benz timing tools



**562-250**  
Timing tool  
BMW  
R50 / R52 / R53  
W10 / W11



**562-260**  
Timing tool  
BMW  
S54



**564-010**  
Crankshaft pulley socket  
Mercedes Benz  
M133 / M157 / M270 / M271 / M276 / M278  
T100H 1/2" Drive



**564-020**  
Timing tool  
Mercedes Benz  
M271



**564-030**  
Timing tool  
Mercedes Benz  
M157 / M276 / M278



**570-010**  
Timing tool  
Mercedes Benz, Chrysler, Jeep  
CDI 2.0 2.2 2.7 3.3 4.0  
D-DT 2.0 2.2 2.5 2.9 3.0  
Petrol 1.8 2.0 2.3



**564-040**  
Timing tool  
Mercedes Benz  
M156 (AMG)



**564-050**  
Timing tool  
Mercedes Benz  
M270 / M274



**564-060**  
Chain rivet tool  
Mercedes Benz  
M272 / M273  
1.7 2.1 2.2 2.7 3.0 3.2 3.9 4.0  
Diesel

## VW / Audi timing tools



**572-010**  
Timing tool  
VW, Audi  
FSI / TFSI  
1.4 1.6  
AXU / BAG / BKG / BLF / BLN / BLP



**572-020**  
Timing tool  
VW, Audi  
FSI / TFSI  
1.4 1.6  
AXU / BAG / BKG / BLF / BLN / BLP



**572-030**  
Timing tool  
VW, Audi  
TSI / FSI / TFSI  
1.2 1.4 1.6  
CBZA / CBZB / CBZC  
AXU / BAG / BKG / BLF / BLN / BLP



## VW / Audi timing tools



**572-040**  
Timing tool  
VW, Audi  
FSI / TFSI  
1.4 1.6



**572-050**  
Timing tool  
VW, Audi  
FSI  
1.8



**572-060**  
Timing tool  
VW, Audi  
TSI  
1.2 1.4



**572-070**  
Timing tool  
VW, Audi  
TSI  
1.0  
CHYA, CHYB, CPGA, DAFA



**572-080**  
Timing tool  
VW, Audi  
TSI  
1.0 1.2 1.4 1.6 EA211



**572-090**  
Timing tool  
VW, Audi  
TSI  
1.2 1.4



**572-100**  
Timing tool  
VW, Audi  
TFSI  
1.4  
CPTA, CZEA



**572-110**  
Timing tool  
VW, Audi  
FSI / TFSI  
1.8 2.0 16V



**572-120**  
Timing tool  
VW, Audi  
FSI / TFSI  
2.0  
AWA / AXW / BHD / BMB



**572-130**  
Timing tool  
VW, Audi  
Diesel



**572-140**  
Timing tool  
VW, Audi  
TSI / TFSI  
1.8 2.0  
Petrol



**572-150**  
Timing tool  
VW, Audi  
TSI / TFSI  
1.8 2.0 EA888

## VW / Audi timing tools



**572-160**  
Timing tool  
VW, Audi  
FSI TFSI  
2.0 2.8 3.0T



**572-170**  
Timing tool  
VW, Audi  
FSI  
2.0 2.4 2.8 3.0 3.2 4.2



**572-180**  
Timing tool  
VW, Audi  
FSI  
2.4 3.2  
V6 V8 V10



**572-190**  
Timing tool  
VW, Audi  
2.4 3.2  
FSI  
V6



**572-200**  
Timing tool  
VW, Audi  
TDI  
2.7 3.0



**572-210**  
Timing tool  
VW, Audi  
2.7D 3.0D TDi V6  
4.2D TDi V8



**572-220**  
Timing tool  
VW, Audi  
TDI  
1.9



**572-230**  
Timing tool  
VW, Audi  
TDI  
1.2 1.4 1.6 1.9 2.0



**572-240**  
Timing tool  
VW, Audi  
TDI Diesel  
1.6 2.0



**572-250**  
Timing tool  
VW, Audi  
TDI SDI  
1.9



**572-260**  
Timing tool  
VW, Audi  
TSI  
1.2  
CBZA / CBZB



**572-270**  
Timing tool  
VW, Audi  
1.2  
Petrol

## VW / Audi timing tools



**572-280**  
Timing tool  
VW, Audi  
1.2 1.4 1.9 2.0  
AFB / KE / AKN / AYM / BAU / BCZ / BOG / BOH / BFC



**572-290**  
Timing tool  
VW, Audi  
TDI  
2.5 V6 3.3 V8



**572-300**  
Timing tool  
VW, Audi  
A4, A6, A8, A11  
1997 - 2004



**572-310**  
Timing tool  
VW, Audi  
1.4 1.6 16V  
Petrol



**572-320**  
Timing tool  
VW, Audi  
TDI SDI  
1.9



**572-330**  
Timing tool  
VW, Audi  
2.3 2.8  
Petrol



**572-340**  
Timing tool  
VW, Audi, Ford  
2.3 2.8 2.9  
AAA / ABV / AES / AGZ / AMY / AFP / AZX



**572-350**  
Cam chain tensioner  
VW, Audi  
AHA / APH / ATQ / AUG / AWM / AWP  
AMV / AMB / AMU / APB / ART / ATC / AWN  
BBD / BCY / BEA / BEL / BFM / BKF / BNU



**572-360**  
Timing tool  
VW, Audi  
TDI  
2.5



**572-370**  
Timing tool  
VW, Audi  
TDI SDI  
2.4 2.5



**572-380**  
Timing tool  
VW, Audi  
TDI PD  
2.5  
AXD / AXE / BAC / BLJ / BLK / BPD / BPC / BPE



**572-390**  
Timing tool  
VW, Audi  
D TDI PD  
2.5 4.9  
BAC / BLK / BDP / AXD / AXE / AYH / BLJ / BNZ / BPC / AYH

## VW / Audi timing tools



**572-400**  
Timing tool  
VW, Audi  
2.4 2.8  
V6



**572-410**  
Timing tool  
VW, Audi  
V8



**572-420**  
Timing tool  
VW, Audi  
2.4 2.7 2.8 3.0



**572-430**  
Timing tool  
VW, Audi  
Universal kit



**572-201**  
Timing tool  
VW, Audi  
3.2 4.2  
FSI



**572-440**  
Crankshaft pulley puller  
VW, Audi  
4 and 5 Cylinder engines

## Porsche timing tool



**571-010**  
Timing tool  
Porsche  
1.2 1.6 2.0 2.7 3.0 4.0  
Diesel

## Opel timing tools



**574-010**  
Timing tool  
Opel, Fiat, Alfa Romeo, Chevrolet  
1.4 1.6 1.8 16V  
Petrol



**576-010**  
Timing tool  
Opel, Chevrolet  
2.0  
Diesel



**578-010**  
Timing tool  
Opel  
1.0 1.2 16V  
Petrol



**578-020**  
Timing tool  
Opel  
1.4  
A14NEL / A14NET / A14XER



**576-050**  
Timing tool  
Opel, Chevrolet  
2.0T 2.4  
Ecotec 2010 Onwards

## Opel timing tools



**576-020**  
Timing tool  
Opel, Chevrolet  
1.4  
Petrol



**578-030**  
Timing tool  
Opel  
1.3 1.9 2.0 2.2



**580-010**  
Timing tool  
Opel, Fiat  
1.7 1.9 2.4  
D / TD / JTD / CDTI



**574-020**  
Timing tool  
Opel, Fiat, Alfa Romeo  
1.9 2.4  
JTD / CDTI



**578-040**  
Timing tool  
Opel  
2.0  
CDTI



**578-050**  
Timing tool  
Opel  
1.6 1.7  
Diesel



**578-060**  
Timing tool  
Opel  
1.5 1.9 2.2 2.5  
DCI  
K9K, K9Q, G9T, G9U



**576-030**  
Water pump spanner  
Opel, Chevrolet  
41mm 1/2" Drive



**576-040**  
Water pump spanner  
Opel, Chevrolet  
46mm 1/2" Drive

## Fiat timing tools



**582-010**  
Timing tool  
Alfa Romeo, Fiat, Lancia  
1.2 1.4 1.6 1.8 2.0 3.0



**584-010**  
Timing tool  
Fiat  
1.2 1.4 1.6 1.8 16V 1.9 2.4 D / TD / JTD  
Petrol and diesel



**586-010**  
Timing tool  
Fiat, Lancia  
1.4 Fire EVO

## Fiat timing tools



**584-020**  
Timing tool  
Fiat  
500 8V  
1.2 1.4 VVT



**584-030**  
Timing tool  
Fiat  
1.2 8V 1.4 16V  
Petrol



**588-010**  
Timing tool  
Fiat, Iveco, Opel, Citroen, Peugeot, Renault  
2.5 2.8  
TDI / JTD / HDI / D



**584-040**  
Timing tool  
Fiat  
1.6 16V



**584-050**  
Timing tool  
Fiat  
1.6 16V



**590-010**  
Timing tool  
Fiat, Iveco  
2.3 3.0  
JTD



**586-020**  
Timing tool  
Fiat, Lancia  
1.2 16V



**580-020**  
Timing tool  
Fiat, Opel  
1.3  
CDTI / JTD



**590-020**  
Timing tool  
Fiat, Iveco  
2.3 3.0  
JTD



**582-020**  
Timing tool  
Fiat, Alfa Romeo, Lancia  
1.4  
MultiAir

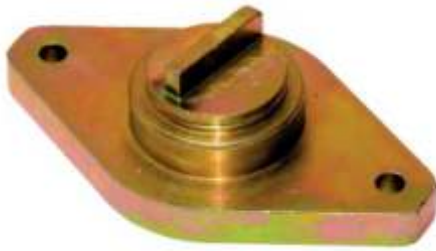


**582-030**  
Timing tool  
Fiat, Lancia, Alfa Romeo  
0.9 TwinAir Turbo



**588-020**  
Timing tool  
Fiat, Iveco, Ford, Citroen, Peugeot  
2.2  
TDCI / JTD / HPI

## Fiat timing tools



**584-060**  
Timing tool  
Fiat  
1.2 8V



**584-070**  
Timing tool  
Fiat  
1.2 8V EVO

## Alfa Romeo timing tools

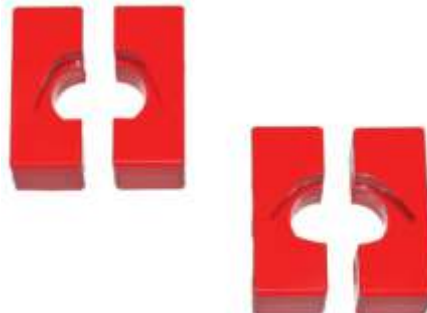


**592-010**  
Timing tool  
Alfa Romeo  
1.4 1.6 16V TS

## Alfa Romeo timing tools



**592-020**  
Timing tool  
Alfa Romeo  
1.8 2.0 16V 2.0 TS



**592-030**  
Timing tool  
Alfa Romeo  
2.5 3.0 V6 24V

## Renault timing tools



**594-010**  
Timing tool  
Renault, Nissan  
16V  
D4F / K4J / K4M / F4P / F4R / F4Rt / F5R740 / K9K / FR4720

## Renault timing tools



**596-010**  
Timing tool  
Renault  
2.0 IDE  
F5R



**596-020**  
Timing tool  
Renault  
1.2 1.4 1.5 1.6 1.8 2.0 2.0T  
16V CDI  
Petrol and diesel



**598-010**  
Timing tool  
Renault, Nissan, Opel  
1.2 1.4 1.5 1.6 1.8 2.0 2.0T  
16V DCI  
Petrol and diesel

## Renault / Nissan timing tools



**596-030**  
Timing tool  
Renault  
16V  
K4J / K4M / F4P / F4R



**596-040**  
Timing tool  
Renault  
1.2 1.4 1.6 1.8 2.0 2.2 2.5  
16V 20V D/TD  
Petrol and diesel



**598-020**  
Timing tool  
Renault, Nissan, Opel  
1.5 1.9 2.2 2.5  
Diesel

## Renault / Nissan timing tools



**594-020**  
Timing tool  
Renault, Nissan  
3.0  
DCI



**594-030**  
Timing tool  
Renault, Nissan  
1.6  
DCI



**596-050**  
Timing tool  
Renault  
2.0  
CDI  
Diesel



**598-030**  
Timing tool  
Renault, Nissan, Opel  
1.5 1.9 2.0 2.2  
DCI



**600-010**  
Timing tool  
Renault, Volvo  
1.6 1.8 1.9 2.0 2.2 2.3 2.4 2.5  
16V 20V



**602-010**  
Timing tool  
Ford  
1.25 1.4 1.6 2.0 16V

## Ford timing tools



**604-010**  
Timing tool  
Volvo  
1.8 2.0  
16V



**606-010**  
Timing tool  
Ford, Mazda  
1.25 1.4 1.6 1.7 1.8 2.0  
16V



**606-020**  
Timing tool  
Ford, Mazda  
1.25 1.4 1.7 1.8 2.0 16V



**606-030**  
Timing tool  
Ford, Mazda  
1.25 1.4 1.6 1.7 2.0 16V 1.8 TDI



**602-020**  
Timing tool  
Ford  
1.6  
TI-VCT



**602-030**  
Pulley lock  
Ford  
1.6



## Ford timing tools



**602-040**  
Timing tool  
Ford  
1.6  
TI-VCT



**608-010**  
Timing tool  
Ford, Volvo  
1.6  
EcoBoost



**602-050**  
Timing tool  
Ford  
1.6  
EcoBoost



**608-020**  
Timing tool  
Ford, Volvo  
1.6  
EcoBoost



**602-060**  
Timing tool  
Ford  
1.6  
TI-VCT TDI



**602-070**  
Timing tool  
Ford  
1.8  
TDDI / TDCI



**606-040**  
Timing tool  
Ford, Mazda  
1.25 1.3 1.4 1.6 1.8 1.9 1.9T 2.0 2.5T  
Petrol and diesel



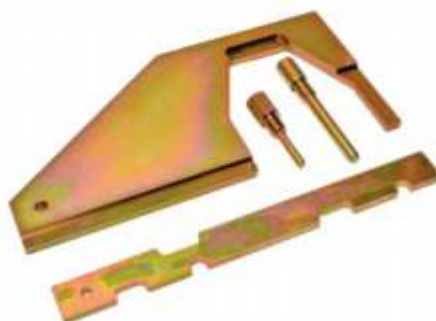
**606-050**  
Timing tool  
Ford, Mazda  
1.25 1.4 1.6 1.8 2.0 2.4  
Petrol and diesel



**602-080**  
Timing tool  
Ford  
1.25 1.4 1.6 1.7 1.8 2.0  
VCT-TI / TDCI / DI / TDDI  
Petrol and diesel



**602-090**  
Timing tool  
Ford  
2.0T  
TI-VCT

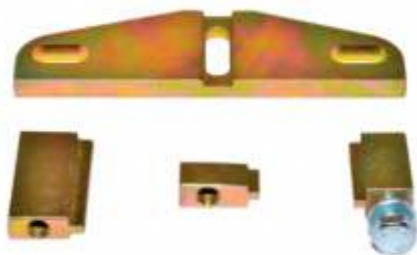


**606-060**  
Timing tool  
Ford, Mazda  
1.8 2.0 2.3



**610-010**  
Timing tool  
Ford, Mazda, Volvo  
1.6 2.0

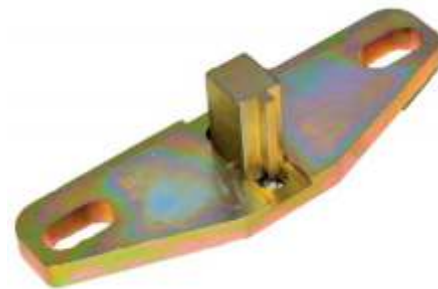
## Ford timing tools



**602-100**  
Flywheel lock  
Ford  
1.25 1.4 1.6 1.7 1.8 2.0 2.2



**612-010**  
Timing tool  
Ford, Volvo, Peugeot, Citroen, Land Rover  
2.0 2.2



**602-110**  
Timing tool  
Ford  
1.25 1.4 1.6 1.7 1.8 2.0  
16V



**602-120**  
Injection pump tool  
Ford  
2.0 2.4  
16V



**602-130**  
Timing tool  
Ford  
2.0 2.2 2.4  
Diesel



**602-140**  
Timing tool  
Ford  
1.0 Ecoboost  
3 Cylinder



**602-150**  
Timing tool  
Ford  
2.2 3.2  
TDCI



**612-020**  
Timing tool  
Ford, Citroen, Peugeot  
1.4 1.6 2.0 2.4  
8V 16V TDCI TDI HDI



**602-160**  
Timing tool  
Ford  
1.6 1.8 2.5  
D / TD

## Ford / Mazda timing tools



**612-030**  
Timing tool  
Ford, Land Rover, Jaguar  
4.0 Petrol  
SOHV Engines V6



**602-170**  
Timing tool  
Ford  
1.5T 3 Cylinder  
Belt driven engine



**608-030**  
Timing tool  
Ford, Volvo  
2.5T  
HUBA / HUWA / HYD

## Ford / Mazda timing tools



**606-070**  
Timing gear puller  
Ford, Mazda  
1.8 2.5  
TDCI / TCI / TDDI



**606-080**  
Timing tool  
Ford, Mazda  
1.8 2.0 2.3T  
SCI / LF / L3

## Volvo timing tools



**604-060**  
Crankshaft holding tool  
Volvo  
5 and 6 Cylinder engines

## Volvo timing tools



**600-010**  
Timing tool  
Renault, Volvo  
1.6 1.8 1.9 2.0 2.2 2.3 2.4 2.5  
16V 20V



**604-020**  
Timing tool  
Volvo  
1.6 2.0  
T4 T5



**604-030**  
Timing tool  
Volvo  
2.0  
T4 T5



**604-050**  
Timing tool  
Volvo  
850 960 S40 S60 S70 S80



**604-040**  
Timing tool  
Volvo  
2.0 3.0 3.2  
T6



**614-010**  
Timing tool  
Volvo, Land Rover  
3.0 3.2  
T6

## Land Rover / Jaguar timing tools



**616-010**  
Timing tool  
Land Rover, Jaguar  
4.2 4.4  
V8



**616-020**  
Timing tool  
Land Rover, Jaguar  
2.7  
276D / 276DT



**612-030**  
Timing tool  
Land Rover, Jaguar, Ford  
4.0 Petrol  
SOHV Engines V6

## Land Rover / Jaguar timing tools



**616-030**  
Timing tool  
Jaguar, Land Rover  
2.0



**616-040**  
Timing tool  
Land Rover, Jaguar  
3.0 5.0



**618-010**  
Timing tool  
Land Rover, Rover  
2.0 2.5 V6  
Petrol



**616-050**  
Crankshaft sensor locking tool  
Land Rover, Jaguar  
3.0 3.6  
Diesel



**566-010**  
Timing tool  
BMW, Opel, Land Rover, Range Rover  
2.5 TDS



**566-020**  
Timing tool  
BMW, Land Rover, Range Rover, Rover, Opel  
M41 / M47 / M47TU / M47T2 / M47R  
M51 / M57 / M57TU / M57T2  
2.0 3.0  
204D3, Td4, Td6

## Citroen / Peugeot timing tools



**620-010**  
Timing tool  
Citroen, Peugeot  
HPI / HDI  
Petrol and diesel



**620-020**  
Timing tool  
Citroen, Peugeot  
1.8 2.0 16V  
6FZ / RFN



**620-030**  
Timing tool  
Citroen, Peugeot  
1.4 16V

## Toyota / Mitsubishi timing tool



**568-010**  
Timing tool  
BMW, Mini, Citroen, Peugeot  
N12 / N14  
1.4 1.6  
Petrol



**620-040**  
Timing tool  
Peugeot, Citroen  
1.0 1.2 VTI  
Petrol



**622-010**  
Timing tool  
Toyota, Mitsubishi  
Petrol and diesel

## Toyota / Mazda timing tool



**624-010**  
Timing tool  
Toyota, Mazda  
Petrol and diesel

## Honda tools



**626-010**  
Harmonic damper pulley socket  
Honda  
50mm Hexagon  
1/2" Drive

## Dodge Jeep Chrysler timing tools



**628-010**  
Timing tool  
Chrysler  
2.8  
Diesel



**570-010**  
Timing tool  
Mercedes Benz, Chrysler, Jeep  
CDI 2.0 2.2 2.7 3.3 4.0  
D-DT 2.0 2.2 2.5 2.9 3.0  
Petrol 1.8 2.0 2.3



**628-020**  
Timing tool  
Chrysler, Jeep  
2.5 2.8  
CRD

## Chery timing tool



**630-010**  
Timing tool  
Chery  
A3, A5, Tiggo  
SQR481, 484

## Universal timing tools



**632-010**  
Timing tool  
Universal  
Single overhead and twin cam engines



**632-020**  
Timing tool  
Universal  
Twin cam engines



**632-030**  
Timing tool  
Universal  
Twin cam engines

## Universal timing tool



**632-040**  
Timing tool fuel pump  
Universal  
Diesel engines

## Crank pulley locking tools



**634-010**  
Pulley locking tool  
Universal  
21 - 100mm Diameter between holes



**634-020**  
Pulley locking tool  
Universal  
Movable arm

## Crankshaft holding / locking tools



**634-030**  
Crankshaft lock  
BMW  
N12 / N14 / N40 / N42 / N45 / N46 / N52



**634-040**  
Crank pulley holding tool  
VW, Audi  
TSI / TFSI  
1.8 2.0  
Petrol



**572-450**  
Timing belt tensioner spanner  
VW, Audi  
TSI / TFSI  
1.2 1.4



**572-460**  
VW Audi adjustment tool  
Belt tension adjustment tool



**564-070**  
Flywheel lock (Mercedes Benz)  
Suitable for M651 series



**564-010**  
Crankshaft pulley socket  
Mercedes Benz  
M133 / M157 / M270 / M271 / M276 / M278  
T100H 1/2" Drive

## Motorcycle magneto puller



**636-010**  
Motorcycle magneto puller  
Suitable for most motorcycles

## Pulley removing tool



**638-010**  
Pulley holding tool  
V Groove  
Used for clamping and holding V groove pulleys



**638-020**  
Hand impact wrench  
Remove nuts effortlessly with this tool where limited space is available

## Timing belt tools



**640-010**  
Cam belt tension gauge  
Universal  
Suitable for belts with various thicknesses



**640-020**  
Stretch belt installer  
5 Piece. Suitable for a wide range of motor vehicles



**640-030**  
Stretch belt installer  
4 Piece. Suitable for a wide range of motor vehicles

## Torque wrench



**642-010**  
Torque wrench 1/2" drive  
Torque in both directions  
Capacity 0 to 300Nm

## Torque angle gauge



**644-010**  
Torque angle gauge  
Work with 1/2" drive ratchet.  
Easy to read the dial, calibrated in degrees

## Torque multiplier



**Torque multiplier**  
By using a smaller torque wrench, much higher torques (5 times more) can be obtained

Code	Ratio	Torque	Drive
646-010	5:1	2000Nm	1/2" & 1"
646-020	5:1	2700Nm	3/4" & 1"

## Torque wrenches



**Torque wrench**  
Forward & reverse (torque in forward (clockwise) position)  
Lock to prevent accidental torque adjustment settings  
Calibration certificate included

Code	Range	Drive	Code	Range	Drive
648-010	5 to 25Nm	1/4"	648-050	70 to 340Nm	1/2"
648-020	5 to 25Nm	3/8"	648-060	65 to 450Nm	3/4"
648-030	20 to 110Nm	3/8"	648-070	140 to 980Nm	1"
648-040	42 to 210Nm	1/2"			

**Torque wrench**  
Dial type for easy and accurate settings  
Calibration certificate included

Code	Torque	Drive	Code	Torque	Drive
650-010	4 to 20Nm	3/8"	650-060	80 to 400Nm	3/4"
650-020	10 to 50Nm	3/8"	650-070	150 to 700Nm	3/4"
650-030	20 to 100Nm	1/2"	650-080	300 to 1000Nm	3/4"
650-040	40 to 200Nm	1/2"	650-090	700 to 1500Nm	1"
650-050	60 to 300Nm	1/2"			



**Torque wrench**  
With interchangeable bits  
Calibration certificate included

Code	Torque	Bit size	Code	Torque	Bit size
652-010	4 to 20Nm	9 x 12mm	652-050	40 to 200Nm	14 x 18mm
652-020	10 to 60Nm	9 x 12mm	652-060	60 to 340Nm	14 x 18mm
652-030	20 to 100Nm	9 x 12mm	652-070	100 to 600Nm	14 x 18mm
652-040	20 to 100Nm	14 x 18mm	652-080	200 to 1000Nm	14 x 18mm

## Interchangeable bits



**Open end insert tool**

Code	Size	Square	Code	Size	Square
654-010	7mm	9 x 12mm	656-010	13mm	14 x 18mm
654-020	8mm	9 x 12mm	656-020	14mm	14 x 18mm
654-030	9mm	9 x 12mm	656-030	15mm	14 x 18mm
654-040	10mm	9 x 12mm	656-040	16mm	14 x 18mm
654-050	11mm	9 x 12mm	656-050	17mm	14 x 18mm
654-060	12mm	9 x 12mm	656-060	18mm	14 x 18mm
654-070	13mm	9 x 12mm	656-070	19mm	14 x 18mm
654-080	14mm	9 x 12mm	656-080	22mm	14 x 18mm
654-090	15mm	9 x 12mm	656-090	24mm	14 x 18mm
654-100	17mm	9 x 12mm	656-100	27mm	14 x 18mm
654-110	18mm	9 x 12mm	656-110	30mm	14 x 18mm
654-120	19mm	9 x 12mm	656-120	32mm	14 x 18mm
654-130	21mm	9 x 12mm	656-130	36mm	14 x 18mm
654-140	22mm	9 x 12mm	656-140	38mm	14 x 18mm
			656-150	41mm	14 x 18mm
			656-160	46mm	14 x 18mm

**Ring insert tool**

Code	Size	Square	Code	Size	Square
658-010	10mm	9 x 12mm	660-010	16mm	14 x 18mm
658-020	11mm	9 x 12mm	660-020	17mm	14 x 18mm
658-030	12mm	9 x 12mm	660-030	18mm	14 x 18mm
658-040	13mm	9 x 12mm	660-040	19mm	14 x 18mm
658-050	14mm	9 x 12mm	660-050	24mm	14 x 18mm
658-060	16mm	9 x 12mm	660-060	27mm	14 x 18mm
658-070	17mm	9 x 12mm	660-070	30mm	14 x 18mm
658-080	19mm	9 x 12mm	660-080	32mm	14 x 18mm
			660-090	36mm	14 x 18mm

## Magnetic parts dishes



**662-010**  
Magnetic dish (round)  
150mm Diameter



**662-020**  
Magnetic dish (rectangular)  
240mm x 140mm

## Pick set (scraper)



**428-020**  
Pick and hook set  
2 Piece

For removal of bushings, cotter pins, O-rings & seals. Curve hook, 45-degree hook, 90 degree hook, straight pick.

## Pick & hook sets



**664-010**  
Mini pick and hook set  
4 Piece

For removal of bushings, cotter pins, O-rings & seals. Curve hook, 45-degree hook, 90 degree hook, straight Pick.



**664-020**  
Mini pick and hook set  
6 Piece

For removal of bushings, cotter pins, O-rings & seals. Curve hook, 3 x 45-degree hook, 90 degree hook, straight Pick.

## Magnetic pick up tool



**666-010**  
Pick up tool

Length 580mm. Telescopic, magnetic pick up tool with very strong magnet to pick up heavy objects. Weight capacity 3.5Kg.

## Magnetic pick up tool



**666-020**  
Pick up tool

Length 525mm. Flexible magnetic pick up with very narrow front end to get into small spaces.

## Magnetic pick up tool with light



**666-030**  
Pick up tool

Length 585mm. Flexible magnetic pick up tool with LED light to pick up objects.

## Pick up tool with claw



**666-040**  
Pick up tool

Length 610mm. Flexible magnetic pick up tool with mechanical claw to pick up objects.

## Pick up tool with claw and light



**666-050**  
Pick up tool

Length 610mm. Flexible magnetic pick up tool with mechanical claw and LED light to pick up objects.

## Inspection mirrors



**668-010**  
Inspection mirror

Length 580mm. Telescopic, inspection mirror with small mirror to get into small spaces.



**668-020**  
Inspection mirror

Length 580mm. Telescopic, inspection mirror with large mirror to get into places where space is not a problem. Size of mirror 50mm x 92mm.



## Inspection cameras



**670-010**  
**Inspection camera**  
Colour screen. Probe is 1m long with 9mm front piece. Camera uses AA batteries.



**670-020**  
**Inspection camera**  
Removable colour screen with remote data transmission. Camera capable for recording video and images. Probe is 1m long with 9mm front piece. Rechargeable monitor.

## Lead light



**672-010**  
**Inspection light (lead light)**  
Lead light complete with 5m cable and plug

## Inspection lights (lead lights)



**672-020**  
**Inspection light**  
Pen, pocket inspection light with 6 LED lights. Small and compact. Use AA batteries.



**672-030**  
**Inspection light (slim type)**  
Inspection light with cob LED light. Rechargeable batteries.



**672-040**  
**Inspection light (under bonnet)**  
Inspection light with 3 very bright cob LED lights. Rechargeable batteries.



**672-050**  
**Inspection light 1000 Lumens**  
The portable LED work light with a powerful 1000 lumen output. Its folding 180° kickstand contains a useful hanging hook and integral magnets. An additional 300 lumen torch provides a useful spot beam. The light has three dim settings to extend its run time.



**672-060**  
**Inspection light 500 Lumens**  
The portable LED work light with a powerful 500 lumen output. Integral pocket clip and strong magnets for hands free use. An additional 200 lumen torch provides a useful spot beam. USB charging cable included.



**672-070**  
**Inspection light 300 Lumens**  
The portable LED work light with a powerful 300 lumen output. Integral pocket clip and strong magnets for hands free use. An additional 100 lumen torch provides a useful spot beam. USB charging cable included.

## Seat / Fender covers



**674-010**  
**Fender cover**  
Universal protective fender cover. Reusable. Made of very durable leather that is water and oil resistant. Magnetic strip is used for easy fitment without the risk of scratching the paint



**674-020**  
**Fender cover**  
Magnetic with scratch resistant material on the bottom. Shaped to follow the contour of the wheel arch. Size 1050mm x 650mm.



**676-010**  
**Seat cover**  
Universal protective cover designed for the front seats of passenger cars. Made from non-woven polypropylene. Reusable. Elastic material sewn into the back of the cover to hold the cover perfectly. Very easy and quick to fit.

### Pom pom greaser



**678-010**  
Greaser pom pom  
Capacity 300ml

### Lever type greaser



**678-020**  
Greaser lever type  
Capacity 500ml

### Air greaser (pneumatic)



**680-010**  
Greaser lever type  
Capacity 500ml

### Greaser hand operated



**678-030**  
Greaser hand operated  
Complete with container.  
Capacity 15 Kg

### Greaser foot operated



**678-040**  
Greaser foot operated  
Capacity 8Kg

### Greaser pneumatic



**680-020**  
Greaser pneumatically operated  
Complete with 3m hose, control on wheels.  
Capacity 15 L

### Field greaser



**678-050**  
Greaser field type  
Complete with hose, control & follower plate  
To fit a 15Kg bucket

### Greaser (pneumatic)



**Greaser (pneumatic)**  
Complete with hose, control, drum cover & follower plate.

Code	To fit drum size
680-040	20Kg
680-050	50Kg
680-060	180Kg

### Greaser with trolley & reel



**680-060**  
Greaser field type  
Complete with hose, control, drum cover, follower plate, drum trolley and hose reel  
To fit a 180Kg drum

### Grease pumps (pneumatic)



**Greaser 50:1 Ratio**

Code	Length	Drum capacity
682-010	480mm	20 / 30Kg
682-020	740mm	50 / 60Kg
682-030	940mm	200Kg

### Drum covers



**Drum cover**

Code	Size	Drum capacity
684-010	330mm	20 / 30Kg
684-020	400mm	50 / 60Kg
684-030	600mm	200Kg

### Follower plates



**Follower plate**

Code	Size	Drum capacity
686-010	310mm	20 / 30Kg
686-020	400mm	50 / 60Kg
686-030	600mm	200Kg

## Drum trolley's



**688-010**  
Trolley  
20 / 30 Kg drum



**688-020**  
Trolley  
50 / 60 Kg drum



**688-030**  
Trolley  
180 Kg drum

## Grease couplers



**690-010**  
Grease coupler  
4 Jaw



**690-020**  
Grease coupler  
Button head 15mm  
Pull type



**690-030**  
Grease coupler  
Button head 15mm  
Push type



**690-040**  
Grease coupler  
Button head 22mm

## Grease swivels



**692-010**  
Swivel  
Straight 1/4"



**692-020**  
Swivel  
Z Type 1/4"

## Grease controls



**694-010**  
Grease control  
Ridget hose with  
swivel and coupler



**694-020**  
Grease control  
Flexible hose with  
swivel and coupler

## Bearing packer



**696-010**  
Bearing packer  
Suitable to pack bearings with grease  
up to a bearing diameter of 88mm

## Grease hose



**698-010**  
Grease hose  
400mm x 1/8"



Grease hose 1/4"	
Code	Length
698-020	1.5m
698-030	3m
698-040	5m

## Grease hose reel



Hose reel grease	
Code	Hose
700-010	10m
700-020	15m

### Oil suction gun



**702-010**  
Suction gun  
500ml

### Lever type pump



**704-010**  
Lever type transfer pump  
Oil & diesel  
25L/min

### Rotary type pump



**704-020**  
Rotary pump  
Oil & diesel  
45L/min @ 60RPM

### Gear oil dispenser



**704-040**  
Gear oil dispenser  
16L Container

### Oil pump (pneumatic)



**Oil pump stub type  
Pneumatic**

Code	Volume	Ratio
706-010	21.5L/min	3.5:1
706-020	15.5L/min	5.5:1

**704-030**  
Rotary pump  
Petrol & thinners  
45L/min @ 60RPM



**Oil pump drum type  
Pneumatic**

Code	Volume	Ratio
706-030	21.5L/min	3.5:1
706-040	15.5L/min	5.5:1

### Oil controls



**708-010**  
Oil Control  
Rigid nozzle with swivel

### Oil controls with meters



**708-020**  
Oil Control  
Flexible nozzle with swivel



**708-030**  
Oil Control with meter  
Rigid nozzle with swivel



**708-040**  
Oil Control with meter  
Flexible nozzle with swivel

## Oil hose



Hydraulic oil hose 1/2" BSP Fittings both sides	
Code	Length
710-010	1.5m
710-020	3m
710-030	5m
710-040	10m
710-050	12m
710-060	15m

## Oil pumps (pneumatic)



Oil pump stub Pneumatic		
Code	Volume	Ratio
706-050	14L/min	3:1
706-060	14L/min	5:1

## Bung adaptor



712-010 Bung adaptor
Necessary to fit drum pumps to a 200L drum. 2" Fitting



Oil pump drum Pneumatic				
Code	Volume	Ratio	Drum	Length
706-070	14L/min	3:1	50/60L	740mm
706-080	14L/min	3:1	200L	940mm
706-090	14L/min	5:1	50/60L	740mm
706-100	14L/min	5:1	200L	940mm

## Drum trolley's



688-010 Trolley
20/30L drum



688-020 Trolley
50/60Lg drum



688-030 Trolley
200L drum

## Oil hose reels



Hose reel oil	
Code	Hose
714-010	10m
714-020	15m



Hose reel oil	
Code	Hose
714-030	10m
714-040	15m

## Drip trays



Drip trays Steel 50mm high	
Code	Length
716-010	50x50cm
716-020	50x80cm
716-030	80x80cm

## Oil drains / evacuators



**718-010**  
**Oil drain**  
Capacity 80 L. Bowl 10 L. Pneumatic drain operation. Hose 1.5m



**718-020**  
**Oil evacuator (pneumatic)**  
Capacity 80 L. Suction time 2 L/min. Pneumatic drain operation. Hose 2m. 7 Suction probes included



**718-030**  
**Oil drain and evacuator in one**  
Capacity 80 L. Bowl 10 L. Suction time 2 L/min. Pneumatic drain operation. Hose 2m. 7 Suction probes included



**718-040**  
**Oil evacuator (manual)**  
Capacity 7L complete with 4 probes

## Oil drains



**720-010**  
**Oil drain**  
16L



**Oil drain (Truck)**  
Trolley type on wheels

Code	Capacity	Size
720-020	60L	90x50x15cm
720-030	240L	150x80x20cm

## Sump socket set



**722-010**  
**Sump plug socket set**  
21 Piece

## Oil measures



**Measuring jug**  
Complete with lid

Code	Capacity
724-010	1L
724-020	2L
724-030	5L

## Funnels



**Funnel**  
Complete with lid

Code	Size
726-010	180mm
726-020	200mm

## Oil cans



**Oil can**  
With brass internals

Code	Container
728-010	300ml
728-020	500ml
728-030	700ml

## Oil drum trolley's



**730-010**  
**Drum trolley**  
With this trolley it's easy to lift and move 200L drums  
250mm rubber wheels



**730-020**  
**Drum decanting trolley**  
Capacity 220Kg  
Suitable for 200L drums

## Oil filter cups / wrenches



732-030 Oil filter cup set 30 Piece set			
Code	Size	Flutes	Steps
732-040	66/6 66mm	6 flutes	1 step
732-050	65/14 65mm	14 flutes	1 step
732-060	65-67/14 65-67mm	14 flutes	2 step
732-070	68/14 68mm	14 flutes	1 step
732-080	73/14 73mm	14 flutes	1 step
732-090	74/15 74mm	15 flutes	1 step
732-100	74-76/15 74-76mm	15 flutes	2 step
732-110	75-77/15 75-77mm	15 flutes	2 step
732-120	76/12 76mm	12 flutes	1 step
732-130	76/14 76mm	14 flutes	1 step
732-140	76/30 76mm	30 flutes	1 step
732-150	76/8 76mm	8 flutes	1 step
732-160	78/15 78mm	15 flutes	1 step
732-170	80/15 80mm	15 flutes	1 step
732-180	80-82/15 80-82mm	15 flutes	2 step
732-190	86/16 86mm	16 flutes	1 step
732-200	86/18 86mm	18 flutes	1 step
732-210	90/15 90mm	15 flutes	1 step
732-220	92/10 92mm	10 flutes	1 step
732-230	93/15 93mm	15 flutes	1 step
732-240	93/36 93mm	36 flutes	1 step
732-250	93/45 93mm	45 flutes	1 step
732-260	95/15 95mm	15 flutes	1 step
732-270	96/18 96mm	18 flutes	1 step
732-280	100/15 100mm	15 flutes	1 step
732-290	106/15 106mm	15 flutes	1 step
732-300	108/15 108mm	15 flutes	1 step
732-310	108/18 108mm	18 flutes	1 step
732-320	Adaptor 3/8" x 1/2"		
732-330	3 Jaw Two way oil filter wrench 65-120mm.		



**732-010**  
**Oil Filter Wrench Set**  
9 Piece

14 flutes x 64.5mm  
14 flutes x 64.5mm  
15 flutes x 88.8mm  
14 flutes x 74.2mm.  
16 flutes x 86.6mm.  
6 flutes x 27mm  
6 flutes x 32mm  
6 flutes x 36mm  
63-83mm. Universal oil filter wrench 63-83mm.



**734-010**  
**Oil filter plier**  
Locking plier type  
53 - 118mm

**734-020**  
**Toyota filter cup**  
14 Flutes x 64.5mm  
Steel thickness: 2.5mm  
Designed with 6 slots  
1/2" Drive or 21mm spanner

**732-020**  
**Oil filter cup set**  
15 Piece



**734-030**  
**Oil filter wrench 3 Leg**  
Loosens or tightens oil filters from 2.1/2" to 4.3/4" (60 -120 mm) diameter. Use with 3/8" square drive or 3/4" (19mm) spanner.

**734-040**  
**Oil filter wrench two way**  
Removes all oil filters from 2 1/2"- 4 3/4" (65 - 120 mm). Use with 1/2" or 3/8" square drive tool.

**Oil filter wrench Heavy duty Swivel type**

Code	Range
734-050	60mm to 73mm
734-060	73mm to 85mm
734-070	85mm to 95mm
734-080	95mm to 111mm

## Oil filter wrenches



**734-090**  
**Oil filter strap**  
 Maximum 152mm filter diameter  
 Nylon



**Oil filter straps**  
**Leather type**

Code	Range
734-100	Up to 160mm
734-110	Up to 240mm



**734-120**  
**Oil filter wrench**  
 Chain type  
 60 - 140mm



**734-130**  
**Oil filter wrench**  
 Chain type  
 Up to 135mm diameter



**Oil filter wrench**  
**Double chain type**

Code	Range
734-140	60 to 115mm
734-150	60 to 170mm



**734-160**  
**Hinged oil filter wrench**  
 Heavy duty chain type  
 Suitable for filter diameters from 60mm to 160mm.  
 Total length of chain: 520mm.



## Pumps



**Diesel pump 3/4"**

Code	Voltage	Volume	Amps
736-010	12V	50L/min	24A
736-020	12-24V	30-50L/min	6.5-13A



**Diesel pump 1"**

Code	Voltage	Volume	Amps
736-030	12V	56L/min	35A
736-040	12-24V	35-70L/min	16-25A



**Diesel pump 1"**

Code	Voltage	Volume	Amps
736-050	12V	85L/min	42A
736-060	24V	85L/min	21A



**Oil pump**

Code	Voltage	Volume	Amps	Port
736-070	12V	5L/min	22.5A	1/2"
736-080	24V	5L/min	19.5A	1/2"
736-090	12V	10L/min	35A	3/4"
736-100	24V	10L/min	18A	3/4"



**736-110**

**Diesel pump 1"**

230V
56L/MIN
3A



**Diesel / oil pump 1"**

Code	Voltage	Volume	Amps
736-120	230V	25L/min	5.5A
736-130	230V	50L/min	6.5A

## Pump kits



**736-140**

**Oil pump 1"**

230V
14L/MIN
6A



**Petrol AVGAS pump 1"**

Code	Voltage	Volume	Amps
736-150	12V	50L/min	21A
736-160	230V	50L/min	1A



**Diesel pump 3/4" kit**

Code	Voltage	Volume	Amps
738-010	12V	50L/min	22A
738-020	24V	50L/min	13A



**Diesel pump 1" kit**

Code	Voltage	Volume	Amps
738-030	12V	56L/min	35A
738-040	12-24V	35-70L/min	16-25A



**738-050**

**Diesel pump 1" kit**

12V
80L/MIN
22A



**Oil pump 3/4" kit**

Code	Voltage	Volume	Amps
738-060	12V	10L/min	22A
738-070	24V	10L/min	18A

## Pump kits



Diesel pump 1" kit				
Code	Voltage	Volume	Amps	Meter
738-080	12V	80L/min	44A	No
738-090	12V	80L/min	44A	Yes
738-100	24V	80L/min	22.5A	No
738-110	24V	80L/min	22.5A	Yes



Diesel pump kit					
Code	Voltage	Volume	Amps	Meter	Port
738-120	230V	56L/min	44A	No	1"
738-130	230V	56L/min	44A	Yes	1"
738-140	12-24V	35-70L/min	16A	Yes	3/4"



Oil pump 1/2" kit				
Code	Voltage	Volume	Amps	Meter
738-150	12V	4L/min	18.5A	No
738-160	24V	4L/min	18.5A	Yes



Petrol AVGAS pump kit				
Code	Voltage	Volume	Amps	Port
738-210	12V	50L/min	21A	1"
738-220	230V	50L/min	1A	1"



Petrol AVGAS pump kit				
Code	Voltage	Volume	Amps	Port
738-230	12V	50L/min	21A	1"
738-240	230V	50L/min	1A	1"

Oil pump 1/2" kit				
Code	Voltage	Volume	Amps	Meter
738-170	230V	9L/min	3.8A	No
738-180	230V	9L/min	3.8A	Yes
738-190	230V	28L/min	4.6A	No
738-200	230V	28L/min	4.6A	Yes

## Flow meters



740-010
<b>Diesel flow meter</b>
1" Ports
Maximum flow 100L/min
Maximum 10Bar
4 Digit display



740-020
<b>Diesel flow meter</b>
1" Ports
Maximum flow 100L/min
Maximum 10Bar
3 Digit display



740-030
<b>Petrol AVGAS flow meter</b>
1" Ports
Maximum flow 100L/min
Maximum 10Bar
3 Digit display

## Fuel control



740-040
<b>Flow Meter diesel / oil 1/2"</b>
Flow rate of 30 L/min
Max Pressure of 70 Bar
5 Digit Display.



Flow meter 1" port			
Code	Material	Volume	Pressure
740-050	Diesel	120L/min	20Bar
740-060	Petrol	120L/min	20Bar



742-010
<b>Manual Nozzle 1"</b>
Flow rate of 120 L/min
complete with swivel

## Fuel controls



**742-020**  
Manual Nozzle 1"  
Flow rate of 150 L/min  
complete with swivel



**742-030**  
Automatic Nozzle 1"  
Flow rate of 120 L/min  
complete with swivel

## Filters (oil, diesel, petrol & AVGAS)



Filter 1" Port			
Code	Volume	Combination	Microns
744-010	60L/min	Head & Filter	10
744-020	60L/min	Head only	
744-030	60L/min	Filter only	10
744-040	100L/min	Head & Filter	10
744-050	100L/min	Head only	
744-060	100L/min	Filter only	10

## Water absorbing filter (diesel, petrol & AVGAS)



Filter (Water captor) 1" Port			
Code	Volume	Combination	Microns
746-010	70L/min	Head & Filter	30
746-020	70L/min	Head only	
746-030	70L/min	Filter only	30
746-040	150L/min	Head & Filter	30
746-050	150L/min	Head only	
746-060	150L/min	Filter only	30

## Hose (diesel, petrol & AVGAS)



**748-010**  
Hose with 1" fittings both sides  
Length 4m  
Maximum pressure 10Bar



Hose reel diesel		
Code	Hose	Diameter
750-010	10m	20mm
750-020	10m	25mm

## Pump accessories



**752-010**  
Drum connector without flange 2" x 1"  
Drum connector with flange. Top section connects to pump and bottom section connects to riser tube.



**752-020**  
Drum connector with flange 2" x 1"  
Drum connector with flange. Top section connects to pump and bottom section connects to riser tube.



**752-030**  
Drum connector quick type 2" x 1"  
Quick connector. Top section connects to pump and bottom section connects to riser tube.



**752-040**  
Flange 1"  
Flange specially designed to connect to most pumps, drum connectors etc. A perfect connection is made by o rings.



**752-050**  
Riser tube 1"  
Riser tube can be connected via drum connectors or directly onto pumps to suck material out of drums. Riser tube is extendable to accommodate various drum capacities.

## Parts cleaners



**754-020**  
Parts cleaner  
Single brush  
40 L container 230V Single phase  
No bleeding necessary and easy to clean. Stand alone unit.



**754-030**  
Parts cleaner  
Double brush  
40 L container 230V Single phase  
No bleeding necessary and easy to clean. Stand alone unit.

## Parts cleaner brush



**754-040**  
Parts cleaner brush  
Nylon  
Replaceable brush for parts cleaners. Hole through center for chemical to flow.

## Parts cleaner



**754-010**  
Parts cleaner  
Single brush  
20 L container. Pneumatic pump.  
No bleeding necessary and easy to clean. Bench top or under vehicle use.

## Pressure washer



**756-030**  
Pressure washer (cold water)  
Semi industrial type  
5 m hose. 95 Bar pressure  
6 L/min (360 L/hour)  
230V Single phase 1850W  
Not recommended for constant use



**Pressure washer (cold water)**  
Industrial professional type

Code	Pressure	Volume	Voltage
756-010	120Bar	12L/min	220V
756-020	150Bar	15L/min	380V

## Foamer



**758-010**  
Foamer  
Used to apply car shampoo and detergent to vehicles.  
10m hose with gun. 50L tank.  
Maximum pressure 8 Bar.

## Vacuum cleaner



**760-010**  
Vacuum cleaner  
2 x 1200 W motors.  
100 L per second vacuum power  
70 L tank. 230V.

## Paraffin spray gun



**762-010**  
Paraffin spray gun  
1L cup capacity

## Sand blasters



**764-010**  
Sand blasting gun  
Sandblaster needs a medium to large size compressor to operate.



**764-020**  
Sand blaster (bench top model)  
Internal dimension 560 x 460 x 280mm  
Sandblaster needs a medium size compressor to operate.



**764-030**  
Sand blaster on stand  
Internal dimension 600 x 840 x 630mm  
Includes foot operated pedal. Sandblaster needs a large compressor to operate

## Injector tester & cleaner (petrol)



**766-010**

### Injector tester and cleaner

Tester supplied with most adaptors for electrical and mechanical petrol injectors. Injectors can be tested on bench and cleaned with ultrasonic bath. Test 8 or clean 8 injectors simultaneously. Adaptors and ultrasonic bath included

**766-020**

### Ultrasonic bath

Ultrasonic bath supplied with injector tester but available separately if required. Fluid capacity 1L.

## Injector tester (diesel)



**766-030**

### Injector tester (diesel)

Also known as a pop tester  
Maximum pressure 60Bar

## Injector tools



**768-030**

### Diesel injector / sensor socket set

14 Piece.

A comprehensive set of sockets to remove and install diesel injectors and lambda sensors. 17 to 30mm bi-hexagon and 20 to 22mm hexagon sockets.



**768-010**

### Injector socket set

4 Piece. 22mm Hexagon socket  
22, 27 and 28mm bi-hexagon sockets



**768-020**

### Sensor socket set

7 Piece.

A comprehensive set to remove and install a wide range of oxygen and oil pressure sending units



**770-010**

### Injector shaft cleaning set

28 Piece

To be used to clean off carbon on shafts prior to replacing injectors



**772-010**

### Diesel injector seat cutter set

7 Piece.

To clean and re-cut the injector seats of modern common rail diesel engines



**772-020**

### Diesel injector seat cutter set

17 Piece.

To clean and re-cut the injector seats of modern common rail diesel engines



**774-010**

### Injector puller set

A master injector extractor kit for removal of diesel injectors

## Injector tools



**774-020**  
**Diesel injector puller**  
 Assists with the removal of stubborn Bosch and Lucas diesel injectors. With M8, M12, M14 adaptors. Length: 230mm



**774-030**  
**Injector puller set**  
 This 3 piece diesel injector puller set comes complete with an extractor key for removing the inner part of the Bosch injectors.



**774-040**  
**Injector puller set**  
 To be hooked on base (overhead or sideways). Slide hammer for easy removal. Suitable for most Bosch injectors.



**774-050**  
**Injector puller set**  
 Can be hooked on base or fitted to injector intake. Slide hammer for easy removal. Suitable for most Bosch injectors.



**776-010**  
**Injector pump puller**  
 Diesel



**776-020**  
**Fuel injector seal installer / remover**  
 A set of fitting aids to enable the operator to correctly fit the Teflon seal (or ring) onto a BMW fuel injector prior to refitting the fuel injector to the cylinder



**776-030**  
**Injection pump locking tool**  
 Suitable for all 2.2 and 3.2 Ford TDCI engines



**776-040**  
**Injection pump lock**  
 Land Rover, Jaguar  
 3.0 TDV6



**776-050**  
**Injection pump lock**  
 Mercedes Benz  
 601, 602, 603



**776-060**  
**Oxygen sensor socket**  
 22mm



**776-070**  
**Oxygen sensor socket**  
 22mm



**776-080**  
**Diesel injector socket**  
 MAN, Mercedes Benz

## Automatic transmission service station



**778-010**  
**Automatic transmission oil exchanger & cleaner**  
 Can be used in manual or automatic cycle.  
 Easy to use with only 4 buttons. Measurement of delivery and return pressures. User friendly software.  
 Two scales and pumps with oil temperature measurement.  
 Automatic discharge of old oil with removable new and used oil tanks. Includes assortment of fittings to connect most transmissions. 220V Single phase.

## Transmission jacks (trolley type)



**780-010**  
**Transmission jack**  
**Trolley type**  
 1,5 Ton capacity  
 Transmission jack with adjustable cradle  
 Minimum height 270mm  
 Maximum height 900mm



**780-020**  
**Transmission jack**  
**Trolley type**  
 2 Ton capacity  
 Transmission jack with adjustable cradle  
 Minimum height 210mm  
 Maximum height 960mm

## Transmission jacks (pit / lift type)



**782-010**  
**Transmission jack**  
**Pit / Lift type**  
 500Kg capacity  
 Transmission jack with fork  
 Minimum height 1135mm  
 Maximum height 1950mm



**782-020**  
**Transmission jack**  
**Pit / Lift type**  
 500Kg capacity  
 Transmission jack with adjustable cradle  
 Minimum height 850mm  
 Maximum height 1760mm



**782-030**  
**Transmission jack**  
**Pit / Lift type**  
 1 Ton capacity  
 Transmission jack with adjustable cradle  
 Minimum height 855mm  
 Maximum height 1845mm

## Gearbox tools



**777-010**  
**Automatic gearbox dispenser**  
 Two way dispenser to dispense or extract fluid in or out of a automatic gearbox. Complete with most fittings to connect to gearboxes.



**784-010**  
**Clutch alignment tool**  
 Operation range:  $\varnothing$ 14.4 - 29mm

## Clutch tools



**784-020**  
**Clutch Alignment Tool SAC**  
 For fast and professional disassembly & assembly of SAC clutches. Fits on most SAC clutches with 3 and 4 hole systems



**784-030**  
**Clutch tool (Audi and VW) DSG**  
 Clutch assembly and disassembly device

## Clutch tools



**784-040**  
**Clutch tool (Audi and VW) DSG**  
 Clutch assembly and disassembly device



**786-010**  
**Mechatronic unit remover (DSG)**  
 Specially designed to remove load from plungers of mechatronic unit when you insert the tool between clutch lever and gear housing



**Lock ring pliers**  
 Right angle knurled tips hold rings securely

Code	Length
786-020	250mm
786-030	350mm

## CV Tools



**788-010**  
**CV Boot clamp plier**  
 Crimp and flattens ear-type clamps found on CV joint boots, clamps quick clamps on fuel filter and cooling system hoses



**788-020**  
**CV Joint clamp banding plier**  
 Tool for installing CV Bands.  
 Includes built-in cutter



**788-030**  
**CV Band**  
 Stainless steel 6mm x 30m roll

## Exhaust tools



**788-040**  
**Buckle**  
 Stainless steel buckle to fit 6mm band



**790-010**  
**Tailpipe & tubing cutter**  
 Quickly cuts exhaust and tail pipes in confined areas. Cuts thin wall copper and steel tubing from 19 - 76mm (3/4" to 3") in diameter



**790-020**  
**Tailpipe & tubing cutter**  
 Vice grip handle design cuts pipes easily without needing to exert pressure. Simply turn adjustment T bar in handle for further force. Can cut up to 2.5 mm thickness. Capacity 19 - 83 mm OD



**792-010**  
**Exhaust expander**  
 Tail pipe reshaper



**794-010**  
**Exhaust spring clamp remover and installer**  
 Essential for safe, controlled removal of clamps which attach the exhaust to the manifold.



**462-010**  
**Exhaust back pressure tester**  
 Easy to detect blocked catalytic converters or exhausts



## Spray booth



**796-010**

### Spray Booth Car

380V 3 Phase

Outside dimension L 7m x W 5,2m x H 3.6m.

Inside dimension L 6.9m x W 3.9m x H 2.8m

Vehicle door W 3.2m x H 2.7m, Personnel door W 0.8m x H 2m

Available with diesel burner or infrared heaters.

32 Explosion proof ceiling lights included.

## Collision repair bench



**798-010**

### Collision repair system (Car bench)

Complete with twin boom system capable of pulling 360 degrees. Platform length 5200mm Width 2100mm Height 500mm.

Pulling power per post is 9.5 Ton

Lifting capacity 3000Kg. Easy to use, and fast and very accurate.

Supplied complete with assortment of pulling clamps, chains and anchoring equipment.

## Chassis straightener



**798-020**

### Chassis straightener

Complete with single swivel boom. Supplied complete with sill clamps, cross tube, cross tube stands, pull clamps and pull chains.

## Spot weld dent puller

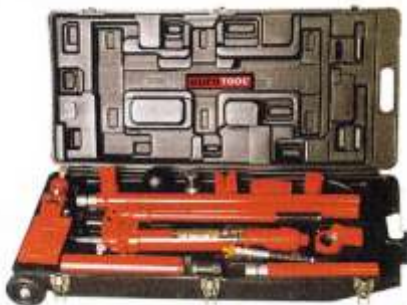


**800-010**

### Electrical spot weld dent puller

3000A Dent puller on trolley. Includes slide hammer with an assortment of rivets to use. 220V Single phase

## Body / Chassis repair kits



**802-010**

### Body repair kit

10 Ton Capacity



**802-020**

### Body repair kit

20 Ton Capacity

Supplied in two metal cases



## Manual hydraulic pump



**804-010**

### Hydraulic hand pump

10 Ton Capacity

700 Bar

10 000 PSI

## Air hydraulic pumps



**806-010**

### Hydraulic foot pump

10 Ton Capacity

700 Bar

10 000 PSI

3.1 L Tank



**806-020**

### Hydraulic foot pump

10 Ton Capacity

700 Bar

10 000 PSI

625ml Tank

## Trim tools



**808-010**  
**Trim tool**  
10 in 1 Trim tool



**808-020**  
**Trim remover tool**  
Ideal for removing plastic upholstery fasteners on doors and other applications



**808-030**  
**Trim remover set**  
5 Piece. Easily remove clips on trim and do other upholstery work, without damaging painted surfaces

## Speed file



**808-040**  
**Trim remover set**  
11 Piece. Easily remove clips on trim and do other upholstery work, without damaging painted surfaces



**810-010**  
**Speed file**  
Holds 350mm body file. Holder only. File not included. File adjustable as required.



**Body file (Speed file)**  
**350mm**

Code	Teeth
810-020	9 TPI
810-030	12 TPI

## Dolly's



**812-010**  
**Dolly**  
Multi type



**812-020**  
**Dolly**  
Double ended



**812-030**  
**Dolly**  
Curved

## Body repair kit



**812-040**  
**Dolly**  
Toe



**814-010**  
**Body repair set**  
6 Piece. Set includes 2 hammers, 3 dollies and 1 moulding spoon

## Dent puller



**816-010**  
**Dent puller set**  
9 Piece. 2.5Kg Sliding hammer to remove dents effortlessly.

## Body repair tools



**818-010**  
**Panel beating hammer**  
Heavy shrinking hammer (flat face)  
Milled face



**818-020**  
**Panel beating hammer**  
Pick hammer  
Crowned face



**818-030**  
**Panel beating hammer**  
Straight peen and finishing hammer  
Crowned face

## Hand sander



**820-010**  
**Hand sander**  
Sand paper size 70mm x 430mm  
Base length 400mm



**820-020**  
**Sanding block**  
Sand paper size 212mm x 106mm  
ABS Plastic material

## Door opening holder



**822-010**  
**Door opening holder set**  
Size 74mm to 115mm  
Adjustable anywhere in between

## Spot weld cutter



**822-020**  
**Spot weld cutter set**  
9 Piece. For drilling out spot welds on most body panels. Includes 1 x 5/16" and 1 x 3/8" cutters with 2 cutters spare on both sizes.

## Windscreen removal tool



**822-030**  
**Windscreen (windshield) removal tool**  
7 Piece. Includes stainless steel wire, 2 x Handles, removal tool, wire feeder tool, trim pad remover, windshield molding release tool

## Airbag removal tool



**822-040**  
**Airbag removal tool set**  
12 Piece. Suitable for VW, Audi, BMW, Opel, Renault and Mercedes Benz vehicles

## Rivnut tool



**350-080**  
**Rivnut tool**  
5mm, 6mm, 8mm and 10mm capacity  
Length 320mm. Comes with an assortment of rivnuts. Various shapes of rivnuts available on request.

## Positioning jack



**030-020**  
**Positioning jack**  
Hydraulic type  
700Kg Capacity  
Suitable to move most cars and 4X4 around. Each dolly capable of supporting 700Kg therefore a vehicle of maximum 2.8 Ton weight

## Pull back ram



**Pull back ram**  
**Stroke 600mm**

Code	Capacity
802-030	2 Ton
802-040	5 Ton

## Body repair pull clamps



**824-010**  
Pull clamp  
Self locking  
100mm 10Ton



**824-020**  
Pull clamp  
With yoke  
100mm 6Ton



**824-030**  
Pull clamp  
Right angle  
with yoke  
100mm 6Ton



**824-040**  
Clamp  
Anchor Base



**824-050**  
Base set  
Chain fixing  
with pins

**824-060**  
Base set  
Ball pivot  
with pins



**824-070**  
Pull clamp  
Right angle  
without yoke  
100mm



**824-080**  
Pull clamp  
Self locking  
100mm 6Ton



**824-090**  
Base set  
Scissors type



**824-100**  
Ball pivot



**824-110**  
Pull clamp  
Large hook



**824-120**  
Pull clamp  
Wide serrated



**824-130**  
Pull clamp  
Box type 2 way



**824-140**  
Pull clamp  
Heavy duty  
2 way



**824-150**  
Pull clamp  
Small mouth



**824-160**  
Pull clamp  
Self locking  
60mm 10Ton

## Arc welders



**826-010**  
**Arc welder MMA (Stick)**  
 20-120A. Electrode size up to 2.5mm  
 Inverter type (light weight and portable)  
 Voltage 220V. Includes welding shield  
 and cables. Weight 3.2Kg



**826-020**  
**Arc welder MMA (Stick)**  
 20-200A. Electrode size up to 4mm  
 Inverter type (light weight and portable)  
 Voltage 220V. Includes welding shield  
 and cables. Weight 4.35Kg

## MIG Welders



**826-030**  
**MIG welder (C02)**  
 250A. Welding wire 0.8 to 1mm  
 Voltage 220V. Includes cable and MIG  
 torch. Optional extras, flow meter and  
 gas. Weight 62Kg

## TIG Welders



**826-040**  
**MIG welder (C02)**  
 350A. Welding wire 0.8 to 1.2mm  
 Voltage 380V. Includes wire feeder,  
 earth cable and MIG torch. Optional  
 extras, flow meter and gas. Weight 143Kg



**826-050**  
**TIG / MMA welder AC / DC**  
 Suitable for aluminium welding. 5-200A.  
 Electrode size up to 4mm. Voltage 220V.  
 Includes earth cable, electrode cable, foot  
 operated control and TIG torch. Optional  
 extras, flow meter and gas. Weight 15Kg



**826-060**  
**TIG / MMA welder AC / DC**  
 Suitable for aluminium welding. 5-250A.  
 Electrode size up to 5mm. Voltage 380V.  
 Includes earth cable, electrode cable, foot  
 operated control and TIG torch. Optional  
 extras, flow meter and gas. Weight 33Kg

## Plasma cutters



**826-070**  
**Plasma cutter 5mm**  
 40A. Cutting capacity 0.6 to 5mm  
 Voltage 220V. Includes earth cable and  
 Plasma torch. Optional extra compressor  
 Weight 9Kg



**826-080**  
**Plasma cutter 20mm**  
 60A. Cutting capacity 1 to 20mm  
 Voltage 380V. Includes earth cable and  
 Plasma torch. Optional extra compressor  
 Weight 19Kg



**826-090**  
**Plasma cutter 30mm**  
 100A. Cutting capacity 1 to 30mm  
 Voltage 380V. Includes earth cable and  
 Plasma torch. Optional extra compressor  
 Weight 19Kg

## Gas welding



**828-010**  
**Gas welding kit**  
 Includes welding and cutting torch  
 complete with regulators, nozzles, flash  
 back arrestors, nozzle cleaner, hoses,  
 flint lighter and goggles.



**Gas regulators**

Code	Description
828-020	Oxygen
828-030	Acetylene

## Flow meter



**828-040**  
**Flow meter regulator (CO2 / ARGON)**  
 Flow meter with regulator for CO2 or  
 ARGON

## Gas welding accessories



### Flash back arrestors

Code	Size	Gas	Mount	Code	Size	Gas	Mount
828-050	3/8"	Oxygen	Reg	828-090	9/16"	Oxygen	Reg
828-060	3/8"	Acet	Reg	828-100	9/16"	Acet	Reg
828-070	3/8"	Oxygen	Torch	828-110	9/16"	Oxygen	Torch
828-080	3/8"	Acet	Torch	828-120	9/16"	Acet	Torch

828-130

### Flint lighter

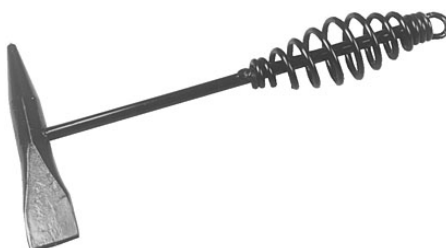
Triple head for long life

828-140

### Nozzle cleaner

Fold away holder

## Welding accessories



828-150

### Wire brush

4 Row ideal for welding

828-160

### Chipping hammer

Ideal for removing flux

828-170

### Welding gloves

Cu ffsize 204mm

## Helmets and goggles



828-180

### Welding helmet (flip front)

Helmet with adjustable head strap.  
Spare lenses available in request.

828-190

### Welding helmet (auto darkening)

Helmet with adjustable head strap.  
Fixed darkness shade control.  
Spare lenses available in request.

828-200

### Welding helmet (auto darkening)

Helmet with adjustable head strap.  
Adjustable darkness shade control.  
Spare lenses available in request.



828-210

### Welding / grinding helmet (auto darkening)

Helmet for welding and grinding with adjustable head strap. Adjustable darkness shade control. Spare lenses available in request.

828-220

### Gas welding goggles (flip front)

Goggles with adjustable head strap. Can be used for grinding with dark lenses flipped up.

828-230

### Grinding goggles

Goggles with adjustable head strap. Anti dust with high impact.

## Cantilever toolboxes



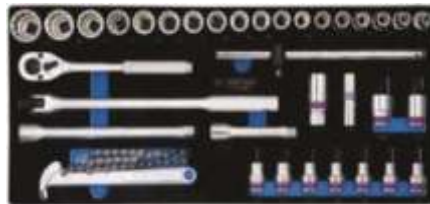
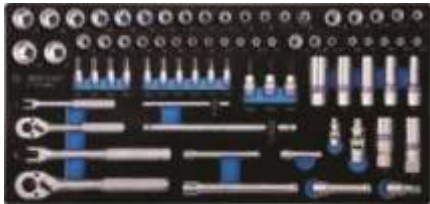
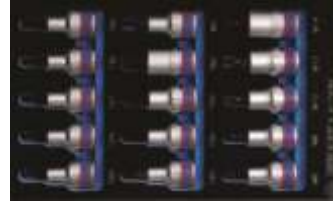
<b>Toolbox cantilever</b>		
61 Piece <b>587-061</b>		
Sockets hexagon 1/2" drive	8 - 32mm	18 Sockets
Ratchet 1/2" drive		
T Bar 1/2" drive	250mm	
Extension bar 1/2" drive	250mm	
Extension bar 1/2" drive	125mm	
Universal joint 1/2" drive		
Spark plug socket 1/2" drive	20.8mm	
Combination spanners	6 - 24mm	18 Spanners
Hammer ball pein	340 g	
Allen key set	1.5 - 10mm	9 Allen keys
Flat screwdrivers	5 - 8mm	3 Screwdrivers
Phillips screwdrivers	No1 - No3	3 Screwdrivers
Diagonal plier	160mm	
Combination plier	170mm	
Long nose plier	160mm	

<b>Toolbox cantilever</b>		
85 Piece <b>587-085</b>		
Sockets hexagon 1/2" drive	8 - 32mm	18 Sockets
Ratchet 1/2" drive		
T Bar 1/2" drive	200mm	
Extension bar 1/2" drive	125mm	
Universal joint 1/2" drive		
Spark plug socket 1/2" drive	20.8mm	
Spark plug socket 1/2" drive	16mm	
Combination spanners	6 - 22mm	12 Spanners
Hammer ball pein	340 g	
Allen key set	1.5 - 10mm	9 Allen keys
Torx ket set	T10 - T50	9 Torx keys
Flat screwdrivers	3.5 - 8mm	4 Screwdrivers
Phillips screwdrivers	No1 - No3	3 Screwdrivers
Diagonal plier	160mm	
Combination plier	180mm	
Long nose plier	160mm	
Waterpump plier	250mm	
Locking plier	250mm	
Ratchet screwdriver		
Flat screwdriver bits	3 - 5mm	3 Bits
Phillips screwdriver bits	No1 - No3	3 Bits
Pozi screwdriver bits	No1 - No2	2 Bits
Torx bits	T10 - T15	2 Bits
Measuring tape	5m	
Trimming knife		
Blades trimming knife	5 Blades	



<b>Toolbox cantilever</b>		
62 Piece (Red) plastic inserts <b>587-062</b>		
62 Piece (Black) foam inserts <b>589-062</b>		
Sockets hexagon 1/2" drive	10 - 32mm	18 Sockets
Ratchet 1/2" drive		
Power bar 1/2" drive	460mm	
T Bar 1/2" drive	300mm	
Wobble extension bar 1/2" drive	55mm	
Extension bar 1/2" drive	125mm	
Extension bar 1/2" drive	250mm	
Universal joint 1/2" drive		
Spark plug socket 1/2" drive	20.8mm	
Combination spanners	6 - 24mm	18 Spanners
Allen key set	1.5 - 10mm	9 Allen keys
Flat screwdrivers	5.5 - 8mm	3 Screwdrivers
Phillips screwdrivers	No1 - No3	3 Screwdrivers
Diagonal plier	160mm	
Combination plier	180mm	
Long nose plier	160mm	

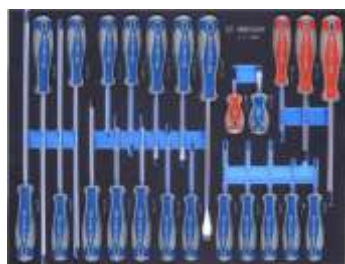
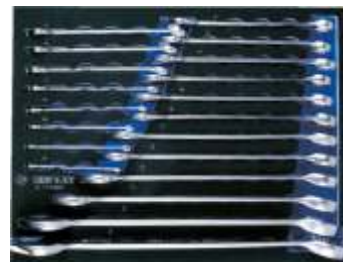
## Chest toolboxes



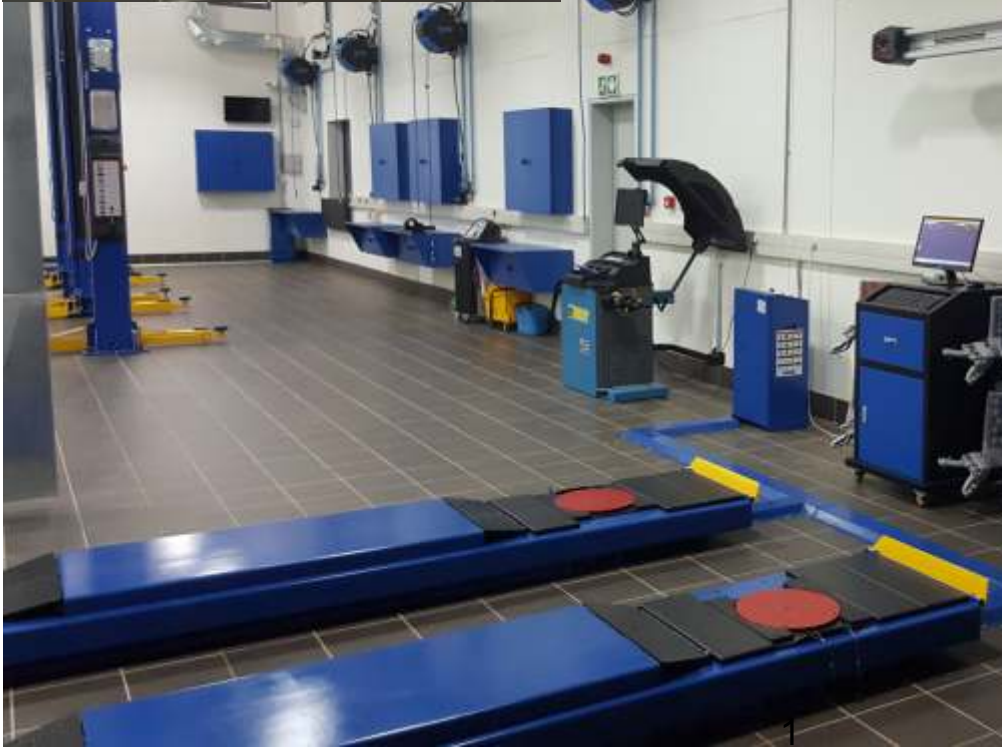
<b>Toolbox chest</b>					
196 Piece <b>587-196</b>					
Sockets hexagon 1/4" drive	4 - 13mm	12 Sockets	Power bar 1/4" drive	130mm	
Sockets hexagon 3/8" drive	6 - 22mm	16 Sockets	Power bar 3/8" drive	200mm	
Sockets hexagon 1/2" drive	10 - 32mm	18 Sockets	Power bar 1/2" drive	375mm	
Sockets hexagon 1/4" drive	1/4" - 1/2"	3 Sockets	Sliding T Bar 1/4" drive	115mm	
Sockets E type 1/4" drive	E4 - E8	5 Sockets	Sliding T Bar 3/8" drive	200mm	
Sockets E type 3/8" drive	E10 - E18	5 Sockets	Sliding T Bar 1/2" drive	300mm	
Tube sockets hexagon 3/8" drive	8 - 17mm	5 Sockets	Extension bar 1/4" drive	55mm	
Torx bit sockets 1/4" drive	T20 - T40	4 Sockets	Extension bar 1/4" drive	100mm	
Torx bit sockets 1/2" drive	T20 - T60	9 Sockets	Extension bar 3/8" drive	44mm	
Torx tamper proof bit sockets 1/4" drive	TH10 - TH30	6 Sockets	Extension bar 3/8" drive	75mm	
Torx tamper proof bit sockets 3/8" drive	TH40 - TH50	3 Sockets	Extension bar 3/8" drive	150mm	
Hexagon (allen) bit sockets 1/2" drive	H6 - H12	7 Sockets	Extension bar 1/2" drive	125mm	
Spline bit sockets 1/2" drive	M5 - M14	6 Sockets	Extension bar 1/2" drive	250mm	
Spline tamper proof sockets 1/2" drive	M16 - M18	2 Sockets	Spark plug socket 3/8" drive	16mm	
Torx bits 5/16"	T25 - T27	2 Bits	Spark plug socket 3/8" drive	18mm	
Torx bits 10mm	T30 - T60	6 Bits	Spark plug socket 1/2" drive	14mm	
Spline bits 10mm	M6 - M12	4 Bits	Spark plug socket 1/2" drive	20.8mm	
Hexagon (allen) bits 10mm	H5 - H12	6 Bits	Combination spanners	6 - 24mm	16 Spanners
Phillips bits 5/16"	PH2 - PH3	2 Bits	Flare nut spanners	8 - 14mm	3 Spanners
Flat bits 5/16"	9 - 11mm	2 Bits	Hexagon (allen) key set extra long	1.5 - 10mm	9 Allen keys
Impact phillips bits 5/16"	PH2 - PH3	2 Bits	Flat screwdrivers	3 - 8mm	3 Screwdrivers
Bit holder 10mm			Phillips screwdrivers	PH1 - PH3	3 Screwdrivers
Bit holder 5/16"			Combination plier	180mm	
Impact flat bits 5/16"	8 - 10mm	2 Bits	Diagonal plier	150mm	
Impact driver 5/16"			Long nose plier	150mm	
Universal joint 1/4" drive			Chain wrench	60 - 140mm	
Universal joint 3/8" drive			Hammer ball pein	480 g	
Ratchet 1/4" drive			Centre punch	4mm	1 Punch
Ratchet 3/8" drive			Cold chisels	15 - 23mm	2 Chisels
Ratchet 1/2" drive			Pin punches	3 - 10mm	2 Punches



## Trolley toolboxes



<b>Toolbox trolley</b>					
286 Piece 587-286					
Sockets hexagon 1/4" drive	4 - 14mm	12 Sockets	Extension bar 1/2" drive 150mm		
Sockets hexagon 3/8" drive	10 - 22mm	12 Sockets	Extension bar 1/2" drive 250mm		
Sockets hexagon 1/2" drive	8 - 32mm	21 Sockets	Offset extension bar 3/8" drive 38mm		
Sockets E type 1/4" drive	E4 - E8	5 Sockets	Offset extension bar 1/2" drive 55mm		
Sockets E type 3/8" drive	E7 - E12	5 Sockets	Spark plug socket 1/2" drive 14mm		
Sockets E type 1/2" drive	E10 - E24	8 Sockets	Spark plug socket 1/2" drive 16mm		
Tube sockets hexagon 1/4" drive	4 - 14mm	12 Sockets	Spark plug socket 1/2" drive 20.8mm		
Tube sockets hexagon 3/8" drive	8 - 19mm	9 Sockets	Adaptor 1/4" - 3/8" drive		
Sockets universal bi-hexagon 3/8" drive	10 - 19mm	10 Sockets	Adaptor 3/8" - 1/4" drive		
Tube impact sockets 1/2" drive	17 - 21mm	3 Sockets	Adaptor 3/8" - 1/2" drive		
Tube thin wall impact sockets 1/2" drive	17 - 21mm	3 Sockets	Hexagon (allen) bit sockets 1/2" drive	H6 - H10mm	3 Sockets
Impact sockets 1/2" drive	17 - 36mm	5 Sockets	Torx bit sockets 1/2" drive	T20 - T60	9 Sockets
Torx bit sockets 1/4" drive	T8 - T40	9 Sockets	Spline bit sockets 1/2" drive	M8 - M14	5 Sockets
Hexagon (allen) bit sockets 1/4" drive	H3 - H8	5 Sockets	Combination spanners	6 - 32mm	20 Spanners
Hexagon (allen) bit sockets 1/2" drive	H3 - H19	11 Sockets	Ring spanners	6 - 32mm	10 Spanners
Spline bit sockets 1/2" drive	M5 - M14	6 Sockets	Flare nut spanners	6 - 22mm	6 Spanners
Spline tamper proof sockets 1/2" drive	M16 - M18	2 Sockets	Hexagon (allen) key set extra long	1.5 - 10mm	9 Allen keys
Pozi bit sockets 1/4" drive	PZ1 - PZ2	2 Sockets	Torx key set	T10 - T50	9 Torx keys
Phillips bit sockets 1/4" drive	PH1 - PH2	2 Sockets	Flat screwdrivers	3 - 10mm	6 Screwdrivers
Flat bit sockets 1/4" drive	3.5 - 8mm	3 Sockets	Phillips screwdrivers	No2 - No3	4 Screwdrivers
Bit holder ratchet 1/4"			Torx screwdrivers	T6 - T30	14 Screwdrivers
Torx bits 1/4"	T6 - T7	2 Bits	Combination plier	150mm	
Spline bits 1/4"	M4 - M10	4 Bits	Diagonal plier	180mm	
Universal joint 1/4" drive			Long nose plier	140mm	
Universal joint 1/2" drive			Long nose plier	200mm	
Ratchet 1/2" drive			Long nose plier	275mm	
Ratchet 3/8" drive			Waterpump plier	250mm	
Extension bar 1/4" drive 100mm			Locking plier	250mm	
Extension bar 1/4" drive 150mm			Hammer ball pein 400 g		
Extension bar 3/8" drive 75mm			Centre punch	4mm	1 Punch
Extension bar 3/8" drive 150mm			Cold chisels	17 - 20mm	2 Chisels
Extension bar 3/8" drive 250mm			Pin punches	3 - 8mm	4 Punches



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