

AUTOMOTIVE TOOLS

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AUTOMOTIVE TOOLS

Automotive Tools & Workshop Equipment

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AUTOMOTIVE TOOLS

Air Tools, Impact Wrenches

605

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Auto Accessories

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Auto Accessories	641

Pullers, Reversible Twin Leg

- forged
- galvanized zinc

PRO

Item #	Description
7713	Puller, Reversible Twin Leg, 75 mm
7714	Puller, Reversible Twin Leg, 100 mm
7716	Puller, Reversible Twin Leg, 150 mm
7718	Puller, Reversible Twin Leg, 200 mm



Pullers, Reversible Triple Leg

- forged
- galvanized zinc

PRO

Item #	Description
7723	Puller, Reversible triple Leg, 75 mm
7724	Puller, Reversible triple Leg, 100 mm
7726	Puller, Reversible triple Leg, 150 mm
7728	Puller, Reversible triple Leg, 200 mm



Internal / External Puller, 2-arm + 3-arm use

- can be used with 2 or 3 arms
- clamping width: 76-102 mm (Art. 7790) / 76-178 mm (Art. 7791)
- clamping depth up to 100 mm (Art. 7790) / up to 180 mm (Art. 7791)

PRO+ CV

Item #	Description
7790	Internal / External Puller, 2-arm + 3-arm use, 76-102 mm, 100 mm deep
7791	Internal / External Puller, 2-arm + 3-arm use, 76-178 mm, 180 mm deep



Parallel Puller, 90x100 mm, fine thread

- forged carbon steel
- mechanic puller with standard hooks
- parallel puller hooks in every working position
- can be used for inside and outside pulling via detachable and adjustable puller hooks
- jaw depth 100 mm
- jaw width 90 mm
- outer jaw width 70- 140 mm
- 17 mm drive
- weight 1055 g

Item # 7780 PRO+



Pullers

Parallel Puller, 130x100 mm, fine thread

- forged carbon steel
- mechanic puller with standard hooks
- parallel puller hooks in every working position
- **can be used for inside and outside pulling via detachable and adjustable puller hooks**
- jaw depth 100 mm
- jaw width 130 mm
- outer jaw width 70-180 mm
- 17 mm drive
- weight 1100 g

Item #
7781



Parallel Puller, 160x150mm, fine thread

- forged carbon steel
- mechanic puller with standard hooks
- parallel puller hooks in every working position
- **can be used for inside and outside pulling via detachable and adjustable puller hooks**
- jaw depth 150 mm
- jaw width 160 mm
- outer jaw width 100 - 220 mm
- 22 mm drive
- weight 2935 g

Item #
7782



Parallel Puller, 200x150 mm, fine thread

- forged carbon steel
- mechanic puller with standard hooks
- parallel puller hooks in every working position
- **can be used for inside and outside pulling via detachable and adjustable puller hooks**
- jaw depth 150 mm
- jaw width 200 mm
- outer jaw width 100-250 mm
- 27 mm drive
- weight 3450 g
- spindle: M20 x 2.0

Item #
7783



Parallel Puller, 250x200mm, fine thread

- forged carbon steel
- mechanic puller with standard hooks
- parallel puller hooks in every working position
- **can be used for inside and outside pulling via detachable and adjustable puller hooks**
- jaw depth 200 mm
- jaw width 250 mm
- outer jaw width 140 - 340 mm
- 27 mm drive
- weight 7050 g

Item #
7784



Universal Puller Set

- suitable for inside and outside use
- length of puller legs: 120 - 230 - 280 mm
- puller width: 60 - 180 mm

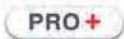
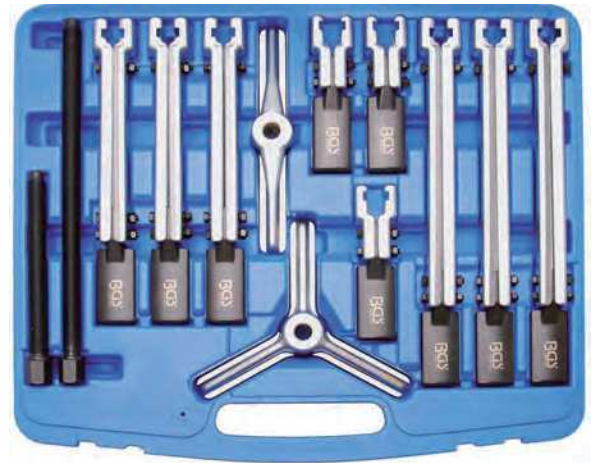


Item #
7785



12-piece Puller Set, 2- and 3-Leg

- pulling depth up to approx. 105 - 210 - 265 mm, pulling width up to max. 135 mm
- puller legs are suitable for 2- and 3-leg crossbars (included)
- free moving legs allow internal and external pulling operations
- hardened pulling feet (width approx. 25 mm, thickness approx. 2 mm)
- 2 spindles 165 + 280 mm with fine thread



Item #	Description
7760	12-piece Puller Set, 2- and 3-Leg
7760-1	Spare Claw for Puller Art. 7760

Inside und Outside Puller, Two Legs, 1/2" Square Head

- suitable as inside and outside puller
- range as inside puller: 50 to 145 mm
- range as outside puller: 70 to 145 mm
- slotted puller arm also suitable for small sleeves, bearing, gears, pulleys and so on
- structured puller arm for better grip
- good centering by cone-shaped pressure piece
- incl. flat pressure piece
- spindle made of carbon steel



Item #
7737



Universal Pulley Puller

- draws pulley by the holes without causing damage
- movable legs adapt to different pulley diameters
- suitable for different bolt patterns and distances
- 8 slots for holding pulling legs in different positions
- 18 mm pulling legs
- Ø 16 mm spindle with centering ball 24 mm drive

Item #
8273



Special Puller, extra long

- ext. puller for deeply set bearings etc.
- hardened
- 10 - 50 mm ext. Ø
- leg length 300mm

Item #
7731



Miniature Puller, 19-45 mm

- especially for quick pulling of small ball-bearings
- can be used for: aircondition, generators, electronic pumps, impact tools, standard house holding machines, etc.
- max. capacity: 1 to., 19-45 mm, up to 73 mm deep

Item #
7738



Ribbed Drive Puller

- pulling range 40 - 168 mm
- for generators, air conditioners, water pumps
- includes 10 mm hex wrench

Item #
7779



2 / 3 Jaw Puller Set

- allows working with 2 or 3 claws
- includes:
 - 3 puller feet 130 mm
 - 3 puller feet 205 mm
 - puller bridge with quick change and locking function
- pulling range 50 to 100 mm
- capacity 5 to.
- locking legs facilitate precise working



Item #
8506

PRO+

10 ton Hydraulic Puller Set

- hydraulic ram 10 ton
- each 3 legs in following lengths: 100, 150 und 200 mm
- one twin head and one triple head
- 2 extension rods



Item #
7729

PRO+

10-piece Blind Hole Bearing Puller Set

- 1x sliding hammer 910 g, length 285 mm
- 1x puller with 125 mm puller range
- 5x puller bolt for pulling inside bearing in sizes 8 to 34 mm
- 3x adaptor for removing components with inside thread in the following sizes: M6 x 1.0 - M8 x 1.25 - M10 x 1.5
- puller bolt and adaptors for use with slide hammer and two-arm pullers

PRO +

Item #	Description
7710	10-piece Blind Hole Bearing Puller Set
7710-8x11	8x11 Puller Bolt from BGS 7710
7710-12x17	12x17 Puller Bolt from BGS 7710
7710-18x23	18x23 Puller Bolt from BGS 7710
7710-24x29	24x29 Puller Bolt from BGS 7710
7710-30x34	30x34 Puller Bolt from BGS 7710



Hydraulic Ram for Pullers and Extractors

- causes up to 12 tons of pressure
- compatible with BGS 7729, 1525, 7774
- can be operated by spinner bar or wrench/ socket
- thread: UN 1-1/2"x16

PRO +

Item #	Description
7721-X	Hydraulic Ram for Pullers and Extractors
7721-X-KAPPE	Pressing Cap for Hydraulic Ram 7721-X



Internal / External Puller Set

- for shaft seals
- hardened carbon steel
- external pulling 40 to 80 mm
- internal puller 50 to 150 mm

- including
- triple leg gear wheel puller
 - triple leg int. ball-bearing puller
 - 1 deep puller
 - 1 convex screw connection

PRO +

Item #	Description
7734	Internal / External Puller Set
7734-2	Sliding Hammer from BGS 7734



Pullers

8-piece Steering Wheel Puller Set, 87+153 mm

- all-purpose
- esp. for Opel/Vauxhall + Ford
- depth of cut optional 87 or 153 mm



Item #
7752

PRO+

10-piece Belt Pulley Puller Set

- for pulling and installing of belt pulleys at power steering pumps, generators, fan wheels, etc.
- 2 cross beams: 140 mm and 230 mm long
- 2 pairs of straight pullers: length 60 mm and 110 mm
- 1 pair of specifically formed pullers: length 60 mm
- all pullers and cross beams can be combined



Item #
7770

PRO+

Shaft Drive Belt Pulley Puller

- suitable for:
- VW Passat, Phaeton, Touareg
- Skoda Superb
- Audi A4, A6, A6 Quattro, A8, Allroad, Cabrio, RS4, RS6, S6, S8
- engines / engine codes:
- 3.0 L V6 30V: ASN, AVK, BBJ
- 3.7 L V8: AKC, AQG
- 4.2 V8: ANK, AQF, AQH, AQJ, ARS, ARU, ASG, AWN, AWU, AVN, AVP, AXQ, BCY, BGH, BGJ, BHX
- 2.5 L TDI V6 Diesel: AFB, AKE, AKN, AYM, BAU, BCZ, BDG, BDH, BFC



Item #
1767

PRO+

15-piece Puller Set for Differential Gearboxes

- for pulling of differential bearings
- tensionable puller, prevents slipping out
- 8 pressure pieces in different sizes
- suitable for cars, SUVs and vans



Item #
7736

PRO+

10-piece Bearing Puller Set

- interchangeable heads, Ø 5.5, 6 and 8 mm
- max. puller deep: 200 mm
- puller width: 20 bis 100 mm

Item #
7744



Separating Knife Puller Set for VAG

- for removal of injection pump wheels on VW LT 2.8 and rubber/metal bearings on Seat Alhambra 2011/ Leon 2013
- to be used as OEM VAG 3292 / Skoda OEM MP3-494
- opening size 45 mm to 60 mm
- M10 x 98 mm pressure spindle with 19 mm hex drive
- M10 x 58 mm pressure spindle with 19 mm hex drive
- spindle heads are equipped with a ball tip for removal of bearings

Item #
8277



Pullers

Ball Bearing Separator

- drop forged
- chrome finish

Art. 7741

- bolt size: Ø 9,5 x 125 mm
- bolt thread: 3/8" x 24 UNF
- body thread: 3/8" x 16 UNC

Art. 7749

- bolt size: Ø 12,7 x 135 mm
- bolt thread: 1/2" x 20 UNF
- body thread: 3/8" x 16 UNC

Art. 7742

- bolt size: Ø 16 x 165 mm
- bolt thread: 5/8" x 18UNF
- body thread: 1/2" x 13UNC

BGS 8767

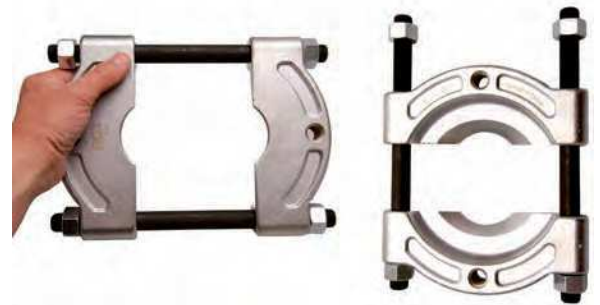
- bolt size: Ø 19 mm, 260 mm
- bolt thread: 3/4" x 16 UNF
- body thread: 5/8" x 11 UNC

BGS 8768

- bolt size: Ø 25.5 mm, 350 mm
- bolt thread: 1" x 12 UNF
- body thread: 3/4" x 10 UNC

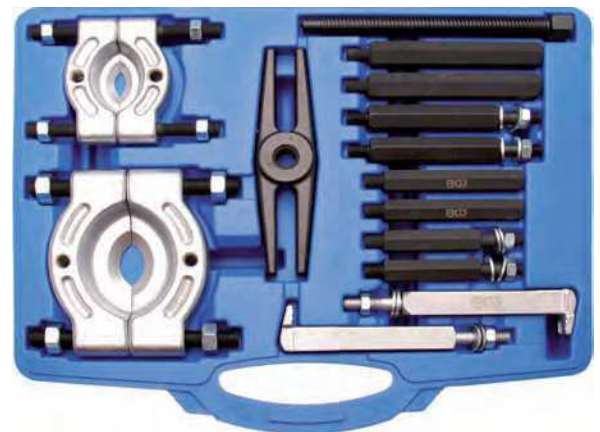
PRO +

Item #	Description
7741	Ball Bearing Separator, 30-50 mm
7749	Ball Bearing Separator, 50-75 mm
7742	Ball Bearing Separator, 75-105 mm
8767	Ball Bearing Separator, 100 - 150 mm
8768	Ball Bearing Separator, 150 - 200 mm



14-piece Splitting Knife Set for Ball Bearing Assemblies

- incl. shifter
- incl. 2 splitting knives: 30-50 mm and 50-75 mm
- for removing bearings, internal rings and other tightly and narrowly mounted parts

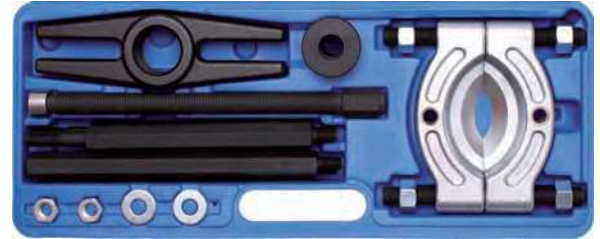


Item #

7750

6-piece Splitting Knife Set for Ball Bearing Assemblies

- splitting knives open from 75-105 mm
- total length of central bolt is 290 mm
- see item# 7753 for separate splitting knife



Item #
7753

PRO

Control Arm Lever

- facilitates the removal of control arm ball joints from wheel bearing housing
- also very helpful in the assembly of control arms
- support in 3 positions adjustable
- max. length: 1225 mm
- neoprene handle



Item #
3521

PRO +

Ford Wheel Hub Remover with Sliding Hammer

- suitable for removal and installation of brake discs on front and rear wheel drive vehicles
- to be used as OEM 204-345B



Item #
7776

PRO +

Pullers / Drive Shaft / Hub

8-piece Thread Repair Set for Drive Shafts / Prop Shafts

sizes:

- M 24 x 1.50 - 13/16" x 20 UNEF
- M 24 x 2.00 - 3/4" x 20 UNEF
- M 22 x 1.00
- M 22 x 1.50
- M 20 x 1.50
- M 20 x 1.25

Item #
1141



Driveshaft Pulling Tool Set

- for assembly / retraction of drive shafts
- universally usable by rich adaptation options
- suitable for e.g. the following vehicles:
VAG, Mercedes, BMW, Porsche, Peugeot, Renault, Opel / Vauxhall
- includes the following tools:
 - flange nut
 - sleeve, OD 39 mm, ID 29 mm
 - sleeve, OD 46 mm, ID 36 mm
 - spindle M14x1.5 outer thread
 - spindle M16x1.5 inner thread
 - spindle M16x1.5 outer thread
 - spindle M18x1.5 inner thread
 - spindle M20x1.5 inner thread
 - spindle M22x1.5 inner thread
 - spindle M24x1.5 inner thread
 - spindle M27x1.5 inner thread
 - spindle M30x1.5 inner thread

Item #
8262



7-piece Drive Shaft Feeder Set

- for easy feeding of drive shaft into the wheel hub
- made of high grade steel
- based in a standardized industrial wheel bearing
- contains 6 spring bushings with different threads sizes
- can be used for following car types:
 - Subaru (M16X1.5)
 - VW Beetle, Touareg, Porsche Cayenne (M20X1.5)
 - BMW E30, E46 (M22X1.5)
 - BMW E36, Mercedes W203 (M24X1.5)
 - BMW E32, E34, E38, E39, X5 (M27X1.5)
 - BMW E32, E34, E36 (M30X1.5)

Item #
8245



6-piece Drive Shaft Socket Set

12.5  1/2

- 12-pt. sockets 30 - 32 - 36 mm
- int. hex.: 14 - 17 - 19 mm
- especially suitable for use with air tools

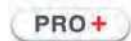


Item #
5334



Wheel Hub Puller with Heavy Sliding Hammer

- for removal of wheel hubs
- suitable for everyday workshop use
- fits on 4- and 5-hole hubs with hole circle diameter of 116 to 134 mm
- for SUV's and light trucks
- 6 kgs sliding hammer, total weight 12,7 kgs



Item #	Description
7772	Wheel Hub Puller with Sliding Hammer
7772-2	Slide Hammer, Heavy Duty Type

Wheel Hub Puller for Ford Transit

- suitable for removal and installation of brake discs on front and rear wheel drive vehicles
- external thread M24 x 2.0
- incl. adapter for sliding hammer, internal thread M24x2.0 to internal thread M20x1.5
- to be used as OEM 204-345B



Item #
7776-1



Front Hub Puller, 100-115 mm

- for flanges with 4 and 5 hole
- for wheel bolt size M12
- hole distance 100 to 115 mm



Item #
7733

PRO

Wheel Bearing Puller with Sliding Hammer

- for flanges with 4 and 5 hole
- hole distance of 100 to 115 mm
- for wheel bolt size M12
- 4kg sliding hammer
- length 570 mm
- thread: 5/8" x 18



Item #
7735

PRO+

Sliding Hammer for Item # 7712, 7733

- weight approx. 2,1 kg
- thread of sliding hammer: 5/8" - 18 UNF
- thread of adaptor: 7/16" - 14 UNC



Item #
7719

PRO+

Pull Adaptor for Item # 7719,1677, 7733

- for use with sliding hammer 7719, 1677
- also replacement for 7735, 7745, 7733
- for flanges with 4 and 5 hole
- hole distance of 100 to 115 mm
- suitable for wheel bolt size M12



Item #
7712

PRO+

6-piece Puller Set with Sliding Hammer, forged

- for pulling wheel hub
- thread size of inner thread on sliding hammer is BSW 12G
- thread size of inner thread of pulling foot is BSW 3/4"
- total length with assembled pulling foot is approx. 51 cm
- thread adaptor BSW 12 G x BSW 3/4" included
- weight of sliding hammer: 1600g



Item #
7745



10To. Drive Shaft Puller Set, hydraulic

- professional, stable puller for cars, vans and vehicle with bolt circle diameter SUV's of 120-215 mm
- especially suitable for glued or rusty drive shafts
- pressure force of the hydraulic cylinder is 10 To., can also be used with impact spindle (included)
- quick and easy adjustment of the puller-number and diameter
- suitable for all wheel hubs with 3, 4, 5, and 6 holes
- hydraulic Spindle 10 t, 1 1/2" threaded ball and pressure, sliding with 17 mm hex drive, length 250 mm
- impact spindle with moving the firing pin and 30 mm hex drive, length 285 mm
- bump wrench 30 mm hex drive for spindle stroke, length 200 mm
- hydraulic pressure piece spindle extension 35 mm
- centering point for hydraulic spindle
- 101 mm adaptor disc for pull arms and hydraulic spindle
- 5x pull arms, length 175 mm

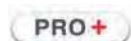


Item #
7681



Hydraulic Drive Shaft Puller

- 12-ton hydraulic ram
- especially for glued and rusty drive shafts
- fits on 4- and 5-hole hubs with hole circle diameter of 98 to 125 mm
- for SUVs and light trucks
- spindle can be turned by hand or ratchet



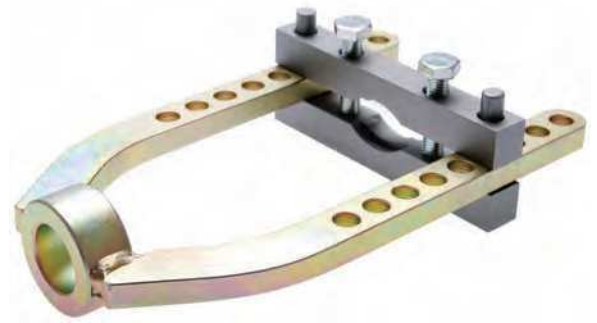
Item #	Description
7774	Hydraulic Drive Shaft Puller
7774-3	Puller Feet from BGS 7774
7774-2	5x Washer from BGS 7774



Drive Shaft / Hub

Propshaft Separator

- new model
- for separating propshafts
- fits for most car models (except for Seat)
- internal tool width: 99 mm
- internal tool length: 204 mm



Item #
1518



Output Shaft Removing Tool for BMW 4WD

- to remove the output shaft from the front axle
- suitable for 4WD BMW 535iX, X3 and X5
- makes disassembly much easier
- dip insulated handles



Item #
8292



4-piece Universal Axle Boot Set

- suitable as a replacement for many axle boots
- allows a cost- and time-saving repair
- 3 steps, joint side diameter approx. 80, 90 and 100 mm (unstretched)
- with inside holding nose at all 3 steps
- diameter of shaft side approx. 30 mm
- length approx. 128 mm
- extremely elastic and durable material
- especially suitable with BGS 162 boot slider
- includes lubricating grease for all types of drive shaft joints
- multistep boot clip, professional type



Item #
164



Urea (AUS32) Filling Set

- for filling and extraction of urea tanks (AUS32)
- includes the following accessories:
 - 3l vacuum tank, compressed air assisted, 100 cm plastic tube, 10 mm quick coupling
 - 1.2l filling tank, 50 cm plastic tube, 8 mm quick coupling
 - adapter with valve for commercial bottle, 90 cm plastic tube, 10 mm quick coupling

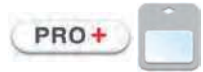


Item #
8818



Chain Pipe Cutters

- cuts exhaust pipes with diameters up to 85 mm
- re-adjustable during cutting action via butterfly nut

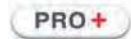


Item #	Description
133	Chain Pipe Cutter, 250 mm
133-Kette	Spare Chain for Pipe Cutter Item # 133
134	Chain Pipe Cutter, 250 mm, HSS Chain
130	Spare Chain for Pipe Cutter Item # 134



Ratcheting Tube Cutter for Exhaust Pipes

- fits pipes Ø 28-67 mm
- cutting depth 6 mm
- ratchet has 60 teeth, 6° between each click



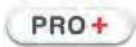
Item #	Description
66250	Ratcheting Tube Cutter for Exhaust Pipes
66255	Standard Blade for Tube Cutter BGS 66250
66250-1	Stainless Steel Pipe Blade for Tube Cutter BGS 66250
66251	Axis for Cutting Wheel of BGS 66250



Exhaust Pipe Expander Set

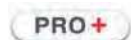
- allows the installation of new exhaust pipes on old exhaust parts
- Expander 1 expands from 54-89 mm
- Expander 2 expands from 38-64 mm
- Expander 3 expands from 28-44 mm

Item #
129



Exhaust Pipe Expander

- allows the installation of new exhaust pipes on old exhaust parts



Item #	Description
127	Exhaust Pipe Expander, 28-44 mm
120	Exhaust Pipe Expander, 38-64 mm
128	Exhaust Pipe Expander, 54-87 mm



Exhaust Pipe

Exhaust Pipe Expander

- for reforming pipe connections
- allows a slight widening and reforming for e.g. partial replacement of exhaust systems
- reforming range: 30-80 mm
- length: 240 mm
- material: S45C steel

Item #
8564



2-piece Exhaust Rubber Hook Set

- for removing and mounting of exhaust rubber
- dip coated T-handles

Item #
8440



Exhaust Pipe Remover

- for removing rubber straps on the exhaust system
- chrome plated
- length 300mm

Item #
121



Exhaust Pipe Compressor

for VAG

Item #
1142



Exhaust Pipe Rubber Ejection Pliers

- facilitates removal of rubber hangers
- 25° opening angle for easy operation
- length: 285 mm

Item #
8256



Removing Pliers for Exhaust Rubbers

- facilitates the removal of exhaust pipe rubbers
- heavy duty, total length 360 mm
- especially suitable for vans and big cars
- with self centering movable pin

Item #
8258



Exhaust Pipe Separating Tool

- for stuck-type hard to separate exhaust pipes
- suitable for pipe Ø 51 mm - 56mm
- solid steel jaws
- chrome plated screws for 17 mm & 3/8" drive
- 19 mm Zinc plated compression fitting
- compression range 0 mm - 120 mm

Item #
119



Universal Flaring Tool Kit, adjustable (4-16 mm)

- quickly adjustable for creating conical / tapered flares
- for brass and aluminium pipes
- sizes 4.7 - 16 mm (3/16" - 5/8")

Item #
360



9-piece Double Flaring Tool

- special tool for creating standard 90° flares as well as open F-type and double E-type flare (single and double lap flares)
- suitable for pipes with wall thickness up to 1mm
- 1 pipe clamp
- 1 spreader
- 7 dies 4.75 - 5 - 6 - 8 - 10 mm, 1/4", 1/2"

Item #
8615



Professional Flaring Tool

- for flaring of brake and hydraulic pipes
- can be used on copper, brass, aluminium and steel pipes
- for inside and outside flaring
- for coated and non-coated pipes
- incl. 4 pairs of jaws: 3/16" / 4,75 mm - 1/4" - 6 mm - 8 mm
- 5 mm jaws also available (see table)

PRO +

Item #	Description
3057	Professional Flaring Tool
3057-14	Gripping Jaws 4.75 mm for BGS 3057
3057-15	Gripping Jaws 1/4" for BGS 3057
3057-16	Gripping Jaws 5 mm for BGS 3057
3057-17	Gripping Jaws 6 mm for BGS 3057
3057-18	Gripping Jaws 8 mm for BGS 3057
3057-13	Punch OP0 for BGS 3057
3057-19	Punch OP1, 4.75 mm for BGS 3057
3057-20	Punch OP1, 1/4" for BGS 3057
3057-21	Punch OP2, 1/4" + 4.75 mm for BGS 3057
3057-22	Punch OP1, 5 mm for BGS 3057
3057-23	Punch OP1, 6 mm for BGS 3057
3057-24	Punch OP2, 5 + 6 mm, for BGS 3057
3057-25	Punch OP1, 8 mm for BGS 3057
3057-26	Punch OP2, 8 mm for BGS 3057



Hydraulic Flaring Tool

- for daily, professional workshop use
- 4.75 mm (3 / 16 "), 5,00 mm, 6,00 mm
- light weight, used directly on the vehicle
- suitable for steel, aluminum, brass and copper lines
- suitable for coated wires
- for double and convex flare to SAE and DIN
- includes pipe cutter with deburring tool

PRO +

Item #	Description
8310	Hydraulic Flaring Tool
8310-1	Hydraulic Spindle from Flaring Tool BGS 8310



Hydraulic Flaring Tool

- suitable for
 - metric bubble flaring 4.75 mm, 6 mm, 8 mm, 10 mm
 - 45 degree double flaring 3/16", 1/4", 5/16", 3/8", 1/2"
 - GM fuel line forming 5/16", 3/8"
 - push-connect forming 1/4", 5/16", 3/8"
- includes various sizes of dies and adapters for working on flaring tubes of GM fuel lines, brake lines, transmission lines and air condition lines
- hydraulic pump for easy use



Item #
8704



Bending Pliers, for Copper Pipes, 4 - 10 mm

- for bending 4 - 6 - 8 - 10 mm strong copper and aluminium
- with two replacable bending wheels, each providing 180° for 4/6 and 8/10 mm
- minimum bending radius: approx 18 mm



Item #
3061



Tube Bender, for 6 - 8 - 10 mm Pipes

- 3 bending radii for pipe diameter 6 - 8 - 10 mm
- up to 180°
- for aluminium, brass and copper pipes
- minimum bending radius: approx 25 mm



Item #
3062



Tube Bending Tool 3 - 4.75 - 6 mm

- made from aluminium
- suitable for 3mm, 4.75 and 6 mm tubes
- minimum bending radius: approx 15 mm



Item #
8228



Tube Bending Pliers, 4.75 + 6 mm

- chrome molybdenum steel
- suitable for 4,75 and 6 mm tubes



Item #
8229



4-in1 Tube Bending Pliers

- allows bending of pipes up to 180°
- 3 bending radii for pipe diameters
4.8 mm (3/16"), 35 mm bending half-rollers diameter
6.4 mm (1/4"), 28 mm bending half-rollers diameter
8.0 mm (5/16"), 28 mm bending half-rollers diameter
9.5 mm (3/8"), 25 mm bending half-rollers diameter
- suitable for aluminum, copper and thin steel pipes
- material: rolls made of aluminum, basic unit made of steel
- dipped coated grip



Item #
8718



Brake Bleeder Tool

- one-man operation
- can also be used on clutch systems
- working air pressure 6-12 bar
- includes a hose for extracting liquids
- length x width x height: 225 mm x 135 mm x 192 mm



Item #
8066



Adaptor for Brake Bleeder BGS 8066 / 8080

- suitable for brake bleeding valve
- 6 mm hose connection
- with retaining hook



Item #
8066-1



Bleeding Nipple for BGS 8066 / 8080

- suitable for brake bleeding valve



Item #
8071-2

Double Hose Adapter for Brake Bleeder BGS 8066

- for bleeding fixed multi-piston calipers, with 2 bleeding valves (such as motorcycles)
- incl. 2 bleeding adapters with hooks
- silicone hoses
- hoses length: 1060 mm - 1060 mm - 100 mm
- hose diameter: inside 3 mm / outside 7 mm



Item #
8066-3

PRO +

Brake Bleeding Bottle

- 1L plastic bottle
- with holding chain and hook
- variable length bleeding hose
- bleeding nipple adaptor



Item #
8519

PRO +

Brake Bleeder Valve with Fluid Reception Bottle

- for bleeding brake and clutch systems
- non-return valve prevents ingress of air and allows a one-man bleeding
- easy to use
- including 1l reception bottle
- 620 mm silicone hose



Item #
8403-1

PRO +

Brake Bleeding Valve

- allows bleeding of brake and clutch systems without a second person
- valve opens automatically when pressing the brake and closes automatically when loosening the brake, this prevents the suction of air
- suitable for scooters, motorcycles, quads, cars, trucks etc.
- blue anodized aluminum



Item #
8403

PRO +

Brake Bleeding Hose with Valve

- for bleeding of brake systems, especially on motorcycles
- made of silicone
- with non-return valve, no second person required when bleeding
- rubber adapter for connection to the bleed nipple
- length: 120 cm



Item #
8897



4-piece Brake Bleeding Wrench Set, 8-10-11 mm

- for easy bleeding of hydraulic clutch systems and brake systems without removing the wheels
- allows one-person bleeding
- consisting of 3 spanners with sockets 8 - 10 - 11 mm and 1.2 metre silicone hose with check valve
- suitable for universal bleeder nipples



Item #
66513



8-piece Brake Bleeder Wrench Set

- for bleeding brake systems without removing the wheels
- ratchet wrench makes loosening and tightening easy
- hose remains on bleeding screw while loosening and tightening
- 6 special sockets:
 - 9 x 29 mm - 9 x 75 mm
 - 10 x 29 mm - 10 x 75 mm
 - 11 x 29 mm - 11 x 75 mm
- incl. bleeding hose with 4 mm inner diameter



Item #
66512



Air Brake Bleeding and Oil Extractor Unit

- for a clean oil change
- usable for engine, transmission, rear axle oil and other non-corrosive liquids
- 5 l container for accommodating the fluids
- suitable for oil extraction on all Smart models and also for all other vehicles when an oil change is performed without using a car lift
- with a special brake breather hose and 2 extraction hoses
- working pressure: 4.9 to 11.9 bar
- air connection: 1/4"



Item #
3157



2-piece Professional Brake Bleeder Set

- for quick and easy brake bleeding
- can be used by one person only
- large 1.5 l canister with aluminium nozzle and clamp for compressed air (lets you keep both hands free)
- protects the main brake cylinder as no pumping required
- can also be used for hydraulic clutches
- 1000 mm silicone hose guarantees a long product life time
- accurately fitting rubber adaptor for the bleeding nipple
- 1 l canister with shut-off valve and universal clamp for refilling the brake system



PRO +

Item #	Description
8080	2-piece Professional Brake Bleeder Tool Set
8080-31	Hose with blue Bleeding Adaptor from BGS 8080
8080-31-1	Blue Bleeding Adaptor for 8080-31 from BGS 8080
8080-32	Hose with Plastic Adaptor from BGS 8080
8080-32-1	Plastic Adaptor for Hose 8080-32 from BGS 8080

Brake Fluid Refill Bottle, 1l

- helpful when bleeding of brake systems
- automatic refilling of the brake fluid tank
- with valve and clamp
- container size: 1 liter
- also spare parts for BGS 8080



Item #
8731

PRO +

Air Brake Bleeding and Oil Extraction Unit

- suitable for daily workshops use
- for a clean oil change
- usable for engine, transmission, rear axle oil and other non-corrosive liquids
- suction hose 9.8 - 8.0 - 6.7 - 4.5 mm Ø for extraction by suction through the dipstick tube
- 7.5 l container with base ensures stability to accommodate large amounts of oil
- suitable for oil extraction on all smart models but also for all other vehicles for which an oil change is to be performed without using a car lift
- with a special silicone brake breather hose with a valve for one-hand operation
- easy brake bleeding on brake systems of all types of vehicles
- the built-in hand vacuum pump allows brake bleeding even without compressed air



Item #
3155

PRO +

Professional Air Brake Bleeder

- air-assisted bleeding of brake and clutch systems
- brake fluid and compressed air is separated by a diaphragm
- pressure regulator and gauge for adjustment of working pressure (0 to 3 Bar)
- filling hose has a quick coupling for easy adapter installation
- connection hose also comes with a 1/4" quick coupling, 370 cm length
- with safety valve
- dimensions: Ø 280 mm, height 460 mm
- 5 liters brake fluid reservoir
- comes with one adaptor E20 for most common brake systems



Item #
8315



Adapter Set for Air Brake Bleeder BGS 8315

- with quick coupling, fits BGS 8315 Brake Bleeder
- includes:
 - General Motors adapter Ø 43.5 mm
 - General Motors closing lid Ø 43.5 mm, to close the second opening
 - universal adapter Ø 45 mm
 - universal adapter, pressure piece, 2 screw hooks with collars and chain
 - Euro Adapter for Audi, BMW, VW, Opel, Ford
 - Nissan Ø 49.5 mm
 - NISSAN Ø 34.5 mm
 - Honda Ø 56 mm
 - BMW, AUDI Ø 44.2 mm
- incl. adapter for european (compressed air) coupling



Item #
8316



E20 Adapter for Brake Bleeder

- suitable for VOLVO C30, S40 > 2004, V50, FORD Focus >2008, Fiesta 2006, Kuga, S-Max and other European cars with 46,5 mm filling opening
- European connector 1/4"
- made of aluminum, with angled hose connector for working in tight spaces



Item #
9001



Brake Pipe Wrench with Ratcheting Function, 10x11 mm

- ring ends with ratcheting function
- both sides have a flexible ring end
- rings can be opened to fit around a pipe
- an internal spring ensures the ring closes securely around the nut
- the more pressure you put on the tools in driving direction, the tighter the head closes around the nut; this prevents slipping over the nut
- wrench holds the long sides of the nut and not its corners, therefore it works also on nuts with damaged corners



Item #
1722



Special Flare Nut Wrench, 175 mm long, 10x11 mm

- chrome plated
- with strengthened hex. ends
- double cranked



Item #
1760



N-Type Brake Bleeder Wrenches, single

- N-type shape
- ideal for working in hard to reach areas



Item #	Description
1753	5-piece Brake Bleeder Wrench Set, 7-11 mm, N-Type
1753-7	7 mm Brake Bleeder Wrench, N-Type
1753-8	8 mm Brake Bleeder Wrench, N-Type
1753-9	9 mm Brake Bleeder Wrench, N-Type
1753-10	10 mm Brake Bleeder Wrench, N-Type
1753-11	11 mm Brake Bleeder Wrench, N-Type



6-piece Brake Spanner Set

- forged and chrome plated
- sizes:
 - 1/4" square x 5/16" open end
 - 1/4" square x 10 mm square
 - 9 mm hexagon x 11 mm hexagon
 - 8 mm hexagon x 10 mm hexagon
 - 1/4" hexagon x 7 mm hexagon
 - 7/16" open end x 11/32" square



Item #
1240



Brake Line Scraper

- for removing dirt or corrosion on the brake line surface
- made of composite plastic, prevents damage to the brake line
- dimension: 160 x 14 x 6 mm
- material: Polyoxymethylene (POM)



Item #
8864



Adjuster for Brake and Gas Pedal

- needed for alignments
- practical tool for testing and adjusting brakes and throttle control



Item #
9976



Special Steel Wire Filled Cleaning Brush, 230 mm

- narrow finish
- ideal for cleaning disc brake calipers
- size: 90x22 mm



Item #
1793



Brake Caliper Brush, 230 mm

- steel wire



Item #
1798



Brass Caliper Brush, 230 mm

- for cleaning aluminum brake calipers
- soft brass bristles facilitate damage-free cleaning
- slim design allows working in areas with restricted access
- plastic handle with hanging hole



Item #
1798-1



Brass Caliper Brush, bent, 230 mm

- for cleaning aluminum brake calipers
- soft brass bristles facilitate damage-free cleaning
- slim design allows working in areas with restricted access
- 2 component plastic handle with hanging hole



Item #
1793-1



Special Square File, 270 mm

- black polypropylene handle with hang hole
- all sides with deep and rough diagonally positioned rasps
- broken angles
- for cleaning brake calipers

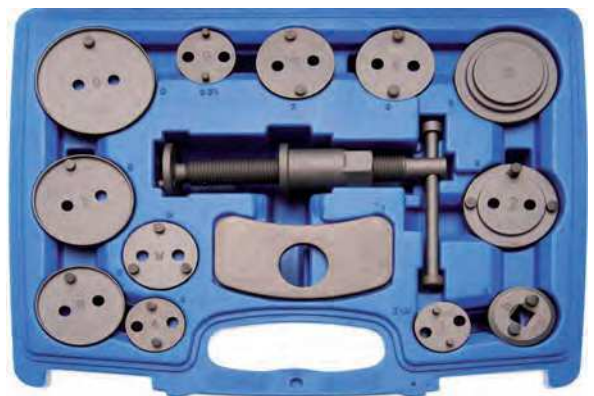


Item #
1792



13-piece Brake Piston Wind-Back Set

- 13 pcs basic set for setting back brake pistons
- right threaded wind back tool
- suitable for many car models
- includes list of matching car models



Item #
1127



Disc Brake

18-piece Brake Piston Wind-Back Set

- 18 pcs all-purpose set for setting back brake pistons
- right threaded & left threaded wind back tool
- suitable for many car models, including some brand new models
- includes list of matching car models



Item #
1119



43-piece Brake Piston Wind-Back Set

- 43-pcs. all purpose set for setting back brake pistons
- with 3 new 5-point sockets:
 - 14 mm pentagon socket fits Opel / Vauxhall (Astra G, Zafira), Smart
 - special socket for Girling brakes
 - 19 mm pentagon socket fits Peugeot, Renault
- right & left threaded wind-back back tool
- suitable for Bendix / Girling und Smart car brakes
- including 2 hex keys 6 + 7 mm
- 2 splint drivers for Mercedes & Opel brake systems
- 3 backing pads for worn out brake pads and working in areas with limited space



Item #
1116



16-piece Air Brake Piston Wind Back Tool Set

- including all popular adaptors
- for left- & right-side thread
- the direction is determined by moving the angled lever at the end of the hydraulic spindle
- fits for all thread pitches
- includes list of matching car models
- 1/4" air hose adaptor



Item #
1117



Air Brake Piston Wind Back Tool

- for left- & right-side threads,
- the direction is determined by moving the angled lever at the end of the hydraulic spindle
- fits for all thread pitches
- to be used with BGS item # 1115, 1117, 1119, 1127
- 1/4" air hose adaptor



Item #
1118



Pneumatic Brake Piston Resetting Tool Set, 22 -pcs.

- for air pressure assisted resetting of brake pistons
- hand lever for rotary function, suitable for left and right turn
- also suitable for brake calipers with hand brake function
- suitable for the following vehicles:
 - Alfa Romeo, Audi, Citroen, Fiat, Ford, GM
 - Honda, Jaguar, Lancia, Land Rover, Mazda
 - Nissan, Peugeot, Renault, Rover, Saab, Seat
 - Subaru, Toyota, Volvo, VW
- includes 21 resetting adaptors, also 3- and 4-pin adapter for newer vehicles
- working pressure: 5 to max. 8 bar



Item #
1114



Disc Brake

Air Brake Piston Wind Back Tool

- adapter plate fully retracts into backing plate, thus particularly suitable for small brake piston distance
- suitable for all BGS brake piston turn back sets
- also as a replacement tool for brake piston wind back tool BGS 1114
- 1/4" air inlet



Item #
1114-1



7-piece Brake Caliper Tool for Iveco Trucks

- allows to reset the brake pistons on Iveco truck disc brakes
- includes 10 mm ratchet wrench, backing plate, spindle, 2 reset discs with 3 pins, micro bits int. hex.8 mm, 10 mm drive
- fits Iveco Stralis, Eurocargo, Daily



Item #
1104



Brake Piston Wind Back Adaptor for Golf V / VI

- to be used with Art. 1120 / 1118
- completes sets Art. 1127, 1119, 1116, 1117, 1110



Item #
1106



Brake Piston Adapter for Ford, Renault, Volvo

- 3 pin type
- suitable for brake piston wind-back tool sets BGS 1109, 1110, 1116, 1119, 1127, 1117, 1104
- suitable for e.g. the following vehicles:
Ford Focus, C-Max, S-Max
Renault Scenic, Megane
Iveco Daily
Volvo V70



Item #
1119-1



Disc Brake

Pressure Plate for BGS 1116, 1119, 1127, 1104, 1109, 1110

Item #	PRO +
11000	



Brake Piston Wind-Back Tool, 3/8" Drive

- for turning back the brake pistons
- universal purpose
- 3/8" drive

Item #	PRO	
1124		



Wind-Back Tools

- wind-back tool from sets 1127, 1119, 1116
- can be used with all pressure plates contained in BGS sets Nr. 1127, 1119, 1116 and 1117

PRO +

Item #	Description
1120	Wind-Back Tool, Cw (right threaded)
1121	Wind-Back Tool, Ccw (left threaded)



Brake Piston Wind-Back Tool for fixed calipers

- allows quick and easy pushing back of brake pistons on front and rear brake calipers (fixed type) without hand brake function
- 115 x 50 x 6 mm, hardened pressure jaws
- suitable for most car models

Item #	PRO +
8498	



Disc Brake

Brake Piston Resetting Tool for Floating Calipers

- allows quick and easy push back of brake pistons on front and rear axles floating calipers without hand brake function
- suitable for most car models
- 41 mm pressure plate diameter
- size of support plate: 101 x 44 mm
- dimensions: 195 x 195 mm



Item #
8502



Brake Piston Wind Back Tool for VW T5

- special tool for VW T5



Item #
1113



Universal Brake Piston Wind-Back Tool with double guide

- for pushing back the brake pistons on e.g. front brake calipers
- suitable for most cars and vans
- two guides for very stiff pistons
- made of cast steel with carbon steel spindle



Item #
67309



Brake Piston Wind-Back Tool, Universal

- universal brake piston resetting tool, for piston which can be reset without turning
- expanding range: 13 - 87 mm



Item #
1126



Brake Piston Wind-Back Tool, BMW 7 series, MB S-Class, Porsche

- for winding back brake pistons of bigger vehicles:
- MB S-class
- BMW 7-series
- Porsche
- cross-country vehicles etc.



Item #	PRO +
1123	

Brake Pad Key, 7 mm



Item #	PRO +
1122	

Reamer Set for ABS Sensor Hole

- for cleaning the ABS sensor-mounting holes
- removes debris such as corrosion, dirt and residue of old ABS sensors
- prevents damage to the new sensors and ensures a precise fit
- includes following reamers, suitable for:
 - VAG, commercial vehicles Ø18 mm x 34 mm
 - VAG, BMW E36, E46, Ø18 mm x 23 mm
 - Ford, Mercedes A-Class, and Mazda Ø15 mm x 23 mm
 - BMW E38, E39, E52, E60, E61, E63, E64, E65, E66, E67, E70, E71 Ø14 mm x 322 mm
 - Skoda Fabia, Seat Ibiza, Insignia Opel, VW Golf IV, Polo 9N, T5 Ø10 mm x 29 mm
- hole of upper part of the sensor must be drilled out!
- dextrorotatory ratchet, 1/4" drive with offset head, 123 mm
- 10 mm HSS drill



Item #	PRO +
65525	

ABS Sensor Reamer Set

- it is recommended to use the reamers before renewing the ABS sensors
- suitable for Mercedes, Ford, Daewoo, Audi, BMW, Peugeot, Renault, VW and other cars
- reamer Ø18 mm x length 23 mm und Ø15 mm x length 23 mm
- 1/4" T-handle
- reamers can also be used with 1/4" ratchet



Item #	Description
65520	ABS Sensor Reamer Set
65521	Reamer Ø15 x 23 mm for ABS Sensor Reamer Set BGS 65520
65522	Reamer Ø18 x 23 mm for ABS Sensor Reamer Set BGS 65520



Disc Brake

3-piece Pentagon Socket Set, 1/2"

12.5 \square 1/2

- 14 mm pentagon socket fits Opel / Vauxhall (Astra G, Zafira), Smart
- special socket for Girling brakes
- 19 mm pentagon socket fits Peugeot, Renault



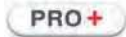
Item #
1112



Internal Hexagon Socket for Brake Calipers, very stubby type

10 \square 3/8 6.3 \square 1/4

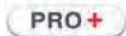
- for loosening / tightening brake caliper bolts
- very low profile: 24 mm
- BGS 4995 with 3/8" drive especially suitable for rear brake calipers on Mercedes C-Class models
- BGS 4996 with 3/8" drive especially suitable for rear brake calipers on Audi A4, A6, A8 models
- BGS 4997 with 1/4" drive especially suitable for rear brake calipers on Audi A4, A6, A8 models



Item #	Description
4995	7 mm Internal Hexagon Socket for Brake Calipers, very stubby type
4996	8 mm Internal Hexagon Socket for Brake Calipers, very stubby type
4997	8 mm Internal Hexagon Socket for Brake Calipers, very stubby type

Brake Thread Repair Kit M9x1.25

- 10 thread replacers (available separately under item# 148-1)
- 1 step drill
- 3 drill guide plate (for VAG, Opel, Ford)
- 1 hand tap
- 1 hexagon wrench



Item #	Description
148	Brake Thread Repair Kit M9x1.25
148-1	Thread Replacers M9 x 1.25 for Art. 148
148-2	Step Drill for Brake Thread Repair Kit BGS 148
148-3	Screw Tap M9x1.25 for Brake Thread Repair Kit BGS 148



Brake Thread Repair Kit M12 x 1.5, VAG

- suitable for VAG models
- 1 step drill
- 1 drill guide with guide
- 1 tap
- 1 Wrench
- 10 threaded inserts



PRO +

Item #	Description
8408-1	HSS Drill 110 x 10 mm from BGS 8408
8408	14-piece Brake Thread Repair Kit M12 x 1.5, VAG
8408-3	Tap M12 x 1.5 from BGS 8408
8408-2	Thread Sleeve M12 x 1.5 from BGS 8408

Brake Disc Caliper

- for measuring the brake disc thickness, tire tread depth etc.
- max. measuring depth: 60 mm
- dimensions: 182 x 115 x 13 mm
- material: aluminum



Item #
8689



Brake Disk Precision Gauge, 160 mm

- inox
- measuring range 60 mm
- In plastic box



Item #
1937



Digital Brake Disc Vernier Caliper, 160 mm

- measuring range up to 140 mm / 5,5 Inch
- Hold-Function
- digital measurement in mm and inch
- with battery CR2032-3V
- with conversion scala

In plastic box

Item #
1943



Disc Brake

Brake Cylinder Honing / Cleaning Tools

6.3 1/4

- 1/4" drive shaft
- no cuts in the cylinder due to adjustable pressure
- jaws with grain size # 220 (# 180 for item 1157)



Item #	Description
1155	Honing/Cleaning Tool, 2-arm, Ø 38 - 60 mm, 30 mm Heads
1156	Honing/Cleaning Tool, 3-arm, Ø 58 - 80 mm, 50 mm Heads
1157	Honing/Cleaning Tool, 3-arm, Ø 58 - 168 mm, 100 mm Heads
1145	2 Spare Grinding Heads for Art. 1155, 30 mm Heads, Grain # 220
1146	3 Spare Grinding Heads for Art. 1156, 50 mm Heads, Grain # 220
1147	3 Spare Grinding Heads for Art. 1157, 100 mm Heads, Grain # 180
1258	3 Spare Grinding Heads for Art. 1155, 75 mm Heads, Grain # 280
1257	3 Spare Grinding Heads for Art. 1157, 100 mm Heads, Grain # 280

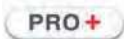


15-piece Brake Maintenance and Assembly Tool Set

All purpose set includes following tools:

1. Brake spring pliers with movable claw for riveted and glued brake linings
2. Brake spring pliers for installing and removing the brake shoe recuperating spring on riveted brake linings
3. Brake caliper brush for removal of brake dust and dirt from the brake caliper
4. Brass brake caliper brush for cleaning aluminium brake calipers
Soft brass bristles facilitate damage-free cleaning
5. Special tool for brakes for installing and removing spring plates and the holding device of brake linings on drum brakes, e.g. on VW, Seat, Skoda, Opel and Renault with rear drum brakes
6. Brake caliper file, extra slim style (width 10 mm), especially appropriate for Japanese vehicles, for removal of brake dust, rust and dirt from the brake caliper
7. Brake line flare nut wrench for screwed connections on brake lines at the front and rear axle, Straight slot with 10x11 6-point
8. Assembly tool for installing and removing the draw spring of hand brake shoes, e.g. on MERCEDES-BENZ passenger cars with rear disc brakes as well as on VW LT since 1997
9. Brake spring installer for pressure spring of the parking brake
10. Brake cable pliers for removing and replacing the hand brake cable
The pliers compress the return springs so far that the cable may be easily removed and replaced.

In carrying case



Item #	Description
1818	15-piece Brake Maintenance and Assembly Tool Set
1818-1	3/8" Internal Hexagon Joint Socket, 7 mm



6-piece Allround Brake Drum Tool Kit

- brake piston spanner
- brake spring pliers with flexible jaw
- hose clip
- brake piston clips
- hand brake cable pliers



Item #
1833

PRO

Brake Spring Assembly Tool Aluminium Handle

- zinc coated
- for assembling and removing braking plate springs

Item #
1135

PRO



Extraction Tool for Brake Shoe Spring

- for easy disassembly of the retaining spring on brake shoes
- for professional daily use in workshops
- suitable for spring plate diameters of 14 to 20 mm
- easy and safe handling
- length 240 mm, diameter 34 mm

Item #
8308

PRO +



Spring Plates Pliers for Drum Brake

- for removal of spring plates on brake shoes
- self-opening

Item #
8642

PRO +



Brake Spring Installer for Mercedes Parking Brake

- especially for Mercedes parking brake
- total length 140 mm



Item #
1791



Brake Cable Spring Pliers, 210 mm

- for removing brake drum springs



Item #
1832



Brake Spring Pliers with Claw, 330 mm

- with movable claw for riveted and glued pads



Item #
1817



Brake Cable Spring Pliers, 215 mm

- for assembling and removing hand brake cables
- black finish jaw
- nickel plated handles



Item #
1831



Brake Drum Gauge, 160-360 mm

- for brake drums, size between 160-360 mm



Item #
1939



Drum Brake

Brake Caliper Brush, 230 mm

- steel wire

Item #
1798



Brass Caliper Brush, 230 mm

- for cleaning aluminum brake calipers
- soft brass bristles facilitate damage-free cleaning
- slim design allows working in areas with restricted access
- plastic handle with hanging hole

Item #
1798-1



20-piece Brush Set

- for polishing and cleaning machines, cars and other work pieces made of metal, plastic, wood, etc.
- 1/4" drive, Ø 9 - 11 - 13 - 15 - 17 - 19 mm
- 6x brass
- 6x nylon
- 6x stainless steel
- 1x 150 mm extension with quick release for power tool use
- 1x soft grip handle 150 mm with quick release for hand use

In nylon pouch

Item #
379



38-piece Brush Assortment

- all brushes with 1/4" drive
- for cleaning and deburring cylinders, bushings, pipes, etc.
- 12 nylon brushes: Ø 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm
- 12 steel brushes: Ø 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm
- 12 brass plated brushes: Ø 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm
- 1 1/4" handle
- 1 extension 150 mm
- also for use on electric and air powered drills

Item #
3078



Wire Brush, industrial steel, 5-rows

- industrial steel fill (0,31 mm)
- 300 mm long



Item #
3073



General Purpose Wire Brushes



Item #	Description
3171	Steel Wire Brush, 260 mm
3172	Steel Brush, Brass coated, 260 mm
3173	Brass Wire Brush, 260 mm



Wire Cup Brush, Diameter 75 mm

- with 6 mm shank
- crimped steel
- max. speed: 4500 rpm



Item #
3076



Wire Disc Brush, Diameter 100 mm

- with 6 mm shank
- crimped steel
- max. speed: 4500 rpm



Item #
3077



75 mm Disc Brush, knotted

- 6 mm drive shaft

Item #
3982



Wire Cup Brush M14x2, Diameter 65 mm

- knotted

Item #
3980



Wire Disc Brush 115 mm, M14 x 2

- 18 twisted brush strands
- suitable for mounting on bench grinders
- for removal of rust, undercoating, etc.

Item #
3981



Wire Disc Brushes

- for angle grinders
- hole 22,2 mm
- twisted wire steel



Item #	Description
3985	Wire Brush, Diameter 115 mm
3986	Wire Brush, Diameter 125 mm



Wire Pencil Brush, 20 mm

- twisted wire steel
- shaft diameter: 6 mm
- brush diameter: 20 mm
- wire thickness: 0.4 mm

Item #
8363



Wire Pencil Brush, 28 mm, brass coated

- crimped steel
- shaft diameter: 6 mm
- brush diameter: 28 mm



Item #
8364



Multi-Point Socket for Mercedes Injection Pumps, 33 teeth

12.5  1/2

- for mounting and dismounting of injection pumps
- suitable for Mercedes-Benz Diesel engines:
 - OM 601 - 2.0L / 2.2L / 2.3L
 - OM 602 - 2.5L / 2.9L
 - OM 603 - 3.0L / 3.5L
 - OM 605 - 2.5L
 - OM 606 - 3.0L
 - OM 615 - 2.0L / 2.2L
 - OM 616 - 2.4L
 - OM 617 - 3.0L
- length: 56 mm

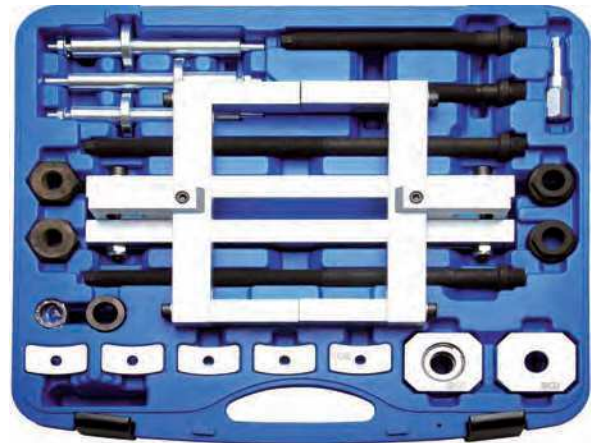


Item #
5350



Injector Puller Set for Fiat, Opel, Ford, Suzuki (FOSI)

- for extraction of extremely seized injectors
- disassembly of the cylinder head is not necessary
- support on the cylinder head allows high extraction forces
- suitable for e.g. following cars / engines:
 - Fiat 500, Punto, Grande Punto, Panda, Idea, Doblo, Stilo, Bravo, Croma, Ducato Multijet 1.3 16V - 1.6 16V - 1.9 16V - 2.0 16V - 2.3 - 3.0
 - Lancia Ypsilon, Musa, Delta Multijet 1.3 16V - 1.6 16V - 1.9 16V - 2.0 16V
 - Alfa Romeo MiTO, 147, 159 1.3 16V - 1.6 16V - 1.9 16V - 2.0 16V
 - Opel Corsa (C - D), Agila (B), Meriva, Astra (H), Astra GTC, Tigra (B), Combo Tour, Vectra (C), Insignia, Zafira (B) 1.3 CDTI - 1.9 CDTI - 2.0 CDTI engines
 - Suzuki Ignis, Splash, Swift, Wagon R+, Sx4, Grand Vitara 1.3 DDiS 16V - 1.9 DDiS 16V
 - Ford Ford Ka '09 1.3 Duratorq
 - Iveco Daily 3.0
 - PSA Boxer, Jumper 3.0



Item #
8783



Injector Alignment Tool for Ford Duratorq

- for aligning the injectors to the fuel lines
- essential to have the injectors correctly aligned to avoid the risk of a fractured pipe
- suitable for Ford Duratorq engines 2.0 / 2.2 / 2.4 DI / TDCI / TDDI, built in Ford Mondeo 2000-2007 / Ford Transit 2000-2006 / Jaguar X Type
- metal bar allows aligning of two injectors at the same time, to be used as OEM 303-678
- adjustable tool for aligning injectors, to be used as OEM 303-711



Injector Gasket Puller, 230 mm

- for removal of hard to loose copper rings



Injector Seal Puller

- this tool is especially developed to help with the extraction of copper sealing washers
- slim construction with conical tip, knurled handle and sliding weight



1/2" Pipe Wrench Set, open type, 14-17-19 mm

- facilitates the disassembly / assembly of Diesel injection pipes on injectors and other pipe fittings
- includes the special wrenches for e.g. following injection pipes
 - 14 mm für BMW
 - 17 mm für BMW, Opel 2.5TD, Mercedes
 - 19 mm für Mercedes
- drive: 1/2"
- length: 119 mm
- satin chrome finish
- on metal rail



Item #	Description
8450	1/2" Pipe Wrench Set, open type, 14-17-19 mm
8433	1/2" Special Wrench for BMW 14 mm Fuel Pipe Fittings
8432	3/8" Special Wrench for BMW, Opel 2.5TD and Mercedes 17 mm Fuel Pipe Fittings
8434	1/2" Special Wrench for BMW, Opel 2.5TD and Mercedes 17 mm Fuel Pipe Fittings
8435	1/2" Special Wrench for Mercedes 19 mm Fuel Pipe Fittings



Double Open End Ring Wrench for Diesel Injector Pipes, 17 mm

- especially suitable for poorly accessible area
- double hexagon profile
- suitable for most diesel engines
- chrome finish



Item #
8291



Sockets for Diesel Injection Lines

12.5 □ 1/2



Item #	Description
2538	Socket for Diesel Injectors, 22 mm
2539	Socket for Diesel Injectors, 27 mm

6-piece Injector Removal Kit

- adaptors M14 x 1,0 - M17 x 1,0 - M20 x 1,0 - M25 x 1,0 - M27 x 1,0
- 10 mm internal hexagon bit socket with hole for retaining ring of injector needle



Item #	Description
7771	6-piece Injector Removal Kit
7771-1	Thread Adaptor M20 x 1.5 for BGS 7772
7771-2	Injectors Dismantling Adapter M17xM20x52 mm
7771-3	Injectors Dismantling Adapter M20xM20x49 mm
7771-4	Injectors Dismantling Adapter M25xM20x41 mm
7771-5	Injectors Dismantling Adapter M27xM20x41 mm
7771-6	Injectors Dismantling Adapter M14xM20x39 mm



1/2" Injector Socket, 10 mm Internal Hexagon

12.5 □ 1/2

- for loosening the retaining ring of injectors is needed for injector disassembly
- with 7.5 mm bore

Item #
4478



Extractor for Common Rail Injector Needles

- the 3-jaw puller allows a safe removal even of stuck injectors
- it is not necessary to drill a hole into the injector needle, thus even Injector needles which rotate when drilling a hole can be removed



Item #	PRO +	
8309		

4-piece Injector Socket Set

12.5 1/2

- for removing the electrical unit of injectors
- deep sockets with wide cut-out
- fits the most popular injectors in modern vehicles
- sizes: 25 - 27 - 29 and 30 mm



Item #	PRO +	CROMO
8351		

Diesel Nozzle Extractor, Bosch & Lucas

- facilitates the extraction of diesel nozzles
- suitable for e.g. Bosch and Lucas nozzles with internal thread M8 x 0.75 und M12 x 1.5 external thread M14 x 1.5
- weight: 1000 g
- length: 230 mm



Item #	PRO
8571	

CDI Injector Puller

- suitable for e.g.: Mercedes CDI engines 611, 612 and 613
- for pulling out stuck common rail injectors
- special tool construction allows to pull injector with high force
- also suitable for small spaces



Item #	PRO +
8244	

Diesel Injector

Puller for Common Rail Injector

- suitable for Mercedes CDI engines 611, 612, 613
- for pulling out stuck common rail injectors
- special tool construction allows to pull injector with high force
- heavy duty version



PRO +

Item #	Description
8237	Puller for Common Rail Injector
8237-29	29 mm Slotted Socket for BGS 8237

Stubborn Injector Puller for Mercedes CDI Engines

- fits Mercedes CDI engines 611,612,613, etc.
- for loosening injectors from the cylinder head
- no more disassembling of the cylinder head necessary



Item #
1678

PRO +

8-piece CDI Injector Extractor Set

- with sliding hammer 1,70 kg
- extra short: only 225 mm
- especially for Mercedes-Benz CDI engines OM 611, 612, 613
- total length 350 mm
- 2 extract adapters M17X1,0 + M27X1,0

PRO +

Item #	Description
62635	8-piece CDI Injector Extractor Set
62635-1	Injector Disassembly Claw for BGS 62635



3-piece Injector Extractor Set

- suitable for Mercedes-Benz CDI engines the series OM611, OM612, OM613
- 1x impact extractor (1,85 kg, 470 mm long)
- 1x injector claw
- 1x adapter with internal thread for direct mounting on the injector
- total length with adaptor 500 mm, with claw 570 mm

PRO+

Item #	Description
62005	3-piece Injector Extractor Set
62005-1	Injector Dismantling Claw for BGS 62005



Injector Puller for Chrysler 2.5 & 2.7 CRD

- for extracting tightly stuck injectors
- suitable for Chrysler 2.5 & 2.7 l CRD 16 valve VM engines

Item #
8771

PRO+ CROMO

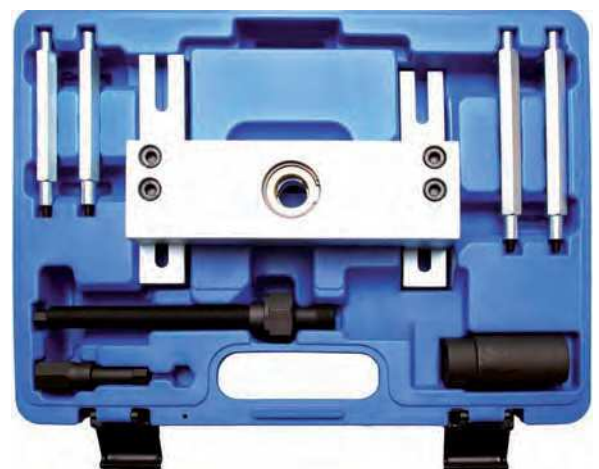


Injector Extractor Tool for BMW

- for pulling out injectors
- disassembly of the cylinder head is not necessary
- support on the cylinder head allows high extraction forces
- suitable for BMW engines M47TU - M57 - M57TU
- the set includes the following tools:
 - 2 support feet 115 mm
 - 2 support feet 140 mm
 - supporting bridge with ball bearing
 - spindle M16, one side M17 thread, for mounting in the injector
 - 29 mm socket for disassembling the electric unit
 - internal 6-pt wrench for removing the injector needle

Item #
8782

PRO+



Diesel Injector

HDI Injector Puller

- allows the extraction of Bosch and Siemens HDI injectors
- disassembly of cylinder heads is not necessary
- suitable for most vehicles with PSA 2.0 HDI DW10, DW12 engines, also on Toyota, Mazda, Hyundai
- high tensile torque is reached by pulling the cylinder head
- 2 ball bearing puller spindles for injectors with different internal thread diameter
- 2 open sockets for removal of the electric unit
- high performance support frame with spindle bearings



Item #
8349



5-piece Injector Sealing Cutter Set for CDI Engines

- for reworking the injector seat when removing the injectors
- 19 mm hexagon pilot
- 15 x 19 mm reamer fits various makes and models
- 17 x 17 mm reamer fits BMW, Peugeot, Citroen, Renault
- 17 x 19 mm reamer fits für Mercedes CDI
- 17 x 21 mm offset reamer fits for Fiat / Iveco



Item #
62605



Grinder for 15 mm Injector Nozzle Seating Area

- suitable for Mercedes CDI
- for cleaning nozzle seating area and nozzle chamber before changing and replacing the injection nozzle or if nozzle has a leak
- turn manually and apply soft pressure for clean fit of the cylinder head and the nozzle and for cleaning the nozzle chamber
- can also be used with 13 / 17 mm sockets
- 15.5 mm grinding head diameter for nozzle shaft and fitting the nozzle in the cylinder head, length 230 mm
- 20.0 mm grinding head diameter for nozzle cleaning at the nozzle, length of grinding head is 35 mm



Item #
62606



7-piece Injector Sealing Surfaces Cutter Set

- 1 flat reamer 15 x 19 mm for universal application
- 1 flat reamer 17 x 17 mm for BMW / PSA / Renault
- 1 flat reamer 17 x 19 mm for BOSCH / Mercedes CDI
- 1 angled reamer 17 x 21 mm for FIAT/ IVECO
- 1 reamer 17 mm
- 1 locating pin with 19 mm outer hexagon
- reamers milled from high grade HSS steel

Item #
62604



Injector Seat and Manhole Cleaning Set

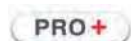
- for cleaning of the injectors seats and glow plugs manholes
- includes: 4 cleaning brushes, brush holder, 3 Injector seat cutters, cutter guide, seal puller, brush holder extension

Item #
8723



Common Rail Diagnosis Kit

- for common rail engines, up to 6 injectors
- suitable for various injector brands
- determination of the runback volume via glass tubes or measurement cartridges
- includes 6 glass tubes, 6 measurement cartridges with 70 cm connecting lines, mounted on aluminium bar with hooks



Item #	Description
8101	Common Rail Diagnosis Kit
8101-1	6 Tubes with Adaptor for BGS 8101
8101-2	Plastic Bottle for BGS 8101, 8102, 8104



Adaptor Set for Common Rail Diagnosis Kit BGS 8101

- to be used on injector nozzles together with common rail diagnosis kit BGS 8101
- addaptors fit all systems such as Siemens, Bosch, Denso etc.
- for Common Rail Diesel engines

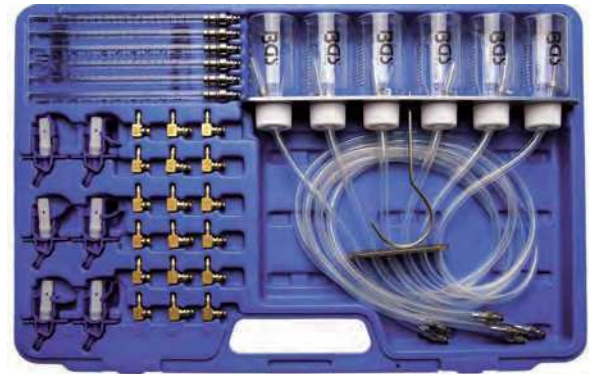


Item #
8103



Common Rail Diagnosis Kit with 24 Adaptors

- for common rail engines, up to 6 injectors
- suitable for various injector brands
- determination of the runback volume via glass tubes or measurement cartridges
- includes 6 glass tubes, 6 measurement cartridges with 70 cm connecting lines, mounted on aluminium bar with hooks
- includes 24 adaptors for Denso C3, C1, Siemens C3, Delphi, Bosch



Item #
8102



Common Rail Diagnosis Kit, up to 8 Cylinder

- for testing the injectors of common rail engines with up to 8 cylinders (injectors)
- determination of the runback volume via glass tubes or measurement cartridges
- includes 8 glass tubes, 8 measurement cartridges with 70 cm connecting lines, mounted on aluminium bar with hooks



Item #
8104



Tester for Diesel Injector Sockets

- for precise adjusting of the injection pressure and for checking the opening pressure of the nozzles, spraying shape, tightness
- includes 2 adaptors M12x1.5 & M14x1.5 and gauge up to 600 bar



PRO +

Item #	Description
62650	Tester for Diesel Injector Sockets
62650-2	Connector M12 x 1.5 for BGS 62650
62650-3	Connector M14 x 1.5 for BGS 62650
62650-1	Plastic Container with Cover for BGS 62650

Injector Nozzle Tester

- Tester contains gas canister, hand lever and pressure gauge with rubber protection
- for testing of injector nozzles
- suitable for all Diesel injector nozzles (except CDI pump-injector elements)
- several characteristics of the injector nozzles can be tested:
 - opening pressure
 - spraying pattern
 - tightness of the nozzle
 - gas spraying pattern
 - acoustic control (sound pattern)
- pressure gauge up to 400 bar
- connecting hose and 3 adaptors included M12 x 1.5 mm, M14 x 1.5 mm und M17 x 0.75 mm
- plastic gas canister with filter
- heavy aluminium construction



Item #
62655

PRO +

5-piece O-Ring-Hook-Set

- incl. magnetic pick up tool



Item #
8035

PRO 

Diesel Injector / Installing / Removing Tools

Piercing Awl

- for piercing rubber, plastic, etc.
- hardened tip
- plastic handle, black
- length: 175 mm
- shaft length: 70 mm



Item #
67203



Cable Installation Piercing Awl

- for piercing rubber seals
- cable can be put through the handle into the hollow the piercing awl
- total length: 195 mm
- length of awl: 80 mm



Item #
8641



4-piece Hook Set

- is needed for laying of cables, stuffing seats, etc.
- piercer (straight), hook 90° angled, hook with round head, double angled hook
- 2-component handles



Item #
8451



Seal Removing Hook Set

- S-shaped hooks e.g. for loosening rotary shaft seals
- straight hook e.g. for loosening O-rings



Item #
8405



2-piece Assembly Tool Set, 220 mm

- straight and bent (45° and 90°) tips



Item #
8015



Assembly Tool

- alloyed and hardened steel,
- for brake spring assembly, headlight springs

Item #
8018



2-piece Hook Set for Disassembly of Mercedes Dashboards

- suitable for many Mercedes models: W107, W116, W123, W124, W126, W140 and W210
- for easy removal of the instrument panel
- made from stainless steel

Item #
69510



18-piece Radio Removal Tool Set

- for the assembly of radios and radio-navigational system, for most car types and brands
 - old and new radios from Blaupunkt
 - old and new radios from Becker
 - radios from Grundig
 - original radios in Porsche models
 - original radios in Mercedes models
 - original radios in Audi models
 - original radios in Ford models
 - original radios in BMW and Opel models
 - original radios in VW models
 - original radios in new Skoda models
- in plastic wallet

Item #
8011



2-piece Radio Removal Tool Set

- for the most common car stereo brands
- folds to a handy size
- suitable for the following brands:
 - P01 Mercedes, VW, Audi, Becker, Renault, Alpine
 - P02 Mercedes, Porsche, Becker
 - P03 VW
 - P04 Skoda
 - P05 Becker
 - P07 Clarion (new models)
 - P08 Kenwood 2002
 - P09 Sony
 - P10 Kenwood 98 - 2001
 - P11 Fiat Bravo, Brava
 - P14 Panasonic
- 1 hex wrench for BMW
- 1 hook for Fiat, Grundig, Blaupunkt, Ford, PSA, Renault, Alfa, VW, Audi
- 1 hook for Blaupunkt, Peugeot, Clarion

Item #
8247



32-piece Radio Removal Tool Set

- removal tool set for most brands and makes of auto radios and GPS systems

contents:

- 4x P-01 - Mercedes, VW, Audi, Becker
- 2x P-02 - Mercedes, Porsche, Becker
- 2x P-03 - VW
- 2x P-04 - Skoda
- 2x P-05 - Becker
- 2x P-06 - Clarion
- 2x P-07 - PK Clarion
- 2x P-08 - RK-Kenwood 01
- 2x P-09 - Sony
- 2x P-10 - RK-Kenwood
- 2x P-11 - Fiat Bravo, Brava
- 1x screw driver- BMW
- 1x int. hex. wrench - BMW, Opel
- 1 set special hooks - Opel, Grundig, Blaupunkt
- 1 set special hooks - VW, Audi, Ford
- 1 set special hooks - Blaupunkt



Item #
8014



52-piece Radio Removal Tool Set

- allows damage-free removing of car radios
- includes U-hooks, special pentagon and internal hexagon wrenches
- suitable for following car models:
 - VW, Audi, Mercedes-Benz, Porsche, Skoda, BMW, Opel, Ford, Fiat Brava
- fits on following radios:
 - Becker (new and old version)
 - Blaupunkt (new and old version)
 - Clarion (new and old version)
 - Grundig
 - Kenwood as of 1998
 - Sony as of 1998
 - Panasonic (new and old version)
 - Pioneer
 - JVC
- material: carbon steel, nickel plated & black finished



Item #
8013



Trim Strip Wedge 100x45 mm, with hang Hole

- plastic
- for damage-free removal of trim strips



Item #
3029



Trim Strip Wedge 185x25 mm

- plastic
- for damage-free removal of trim strips



Item #
3032



5-piece Assembly Wedge Assortment

- made from special hard plastic / nylon
- for working on car interior lining, cover panel, dashboard, trim strips



4-piece Plastic Chisel Set

- suitable for removing of e.g. panels, glued trim parts and wheel weights
- flat and round head chisels, 127 and 175 mm length
- handle end is designed to be used with a hammer



5-piece Trim Strip Set, various Shapes

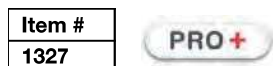
- length 160-200 mm
- manufactured from high end special plastic
- various shapes for working on trim strips, rubber gaskets, interior, door trims, switches, etc.



11-piece Car Interior Lining Set

- various plastic levers for a safe and reliable assembly and disassembly of car lining, plastic clips, rear view mirrors etc.
- especially designed for narrow and hard to reach working conditions
- fibreglass reinforced plastic

in plastic wallet



27-piece Trim Wedges and Scraper Set

- for removal of trim, paneling, etc.
- allows a damage-free disassembly, even on painted surfaces
- wide range of application through different scraper and removal tool profiles, such as:
 - scraper with trim guide
 - slotted lever, angled and straight
 - disassembly lever, angled and straight, in different widths



Item #
8611



5-piece Special Clip Remover Set

- slip guard handles
- U-Notch Chisel 38 mm (internal 8.2 mm / external 31.5 mm)
- V-Notch Chisel 38 mm (internal 4-12.5 mm / external 31.5 mm)
- U-Notch Chisel 13 mm (internal 6.15 mm / external 12.8 mm)
- V-Notch Chisel 13 mm (internal 1-4.4 mm / external 12.8 mm)
- U-Notch Chisel, long bended type (internal 8.4 mm / external 31.4 mm)

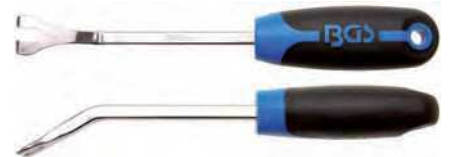


Item #
1328



Door Trim Removing Tool, 245 mm

- for removal of trim strips on car body
- can be used for nearly all brands



Item #
3092



Door Trim Removing Tool, 240 mm

- for removal of trim strips on car body
- can be used for nearly all brands



Item #
3193



Door Upholstery Remover, 235 mm

- for removal of trim strips on car bodies
- can be used for nearly all brands



Item #
3104



Interior Lining and Clip Removal Tool Set

- for fast and easy dismantling of car interior linings
- adapts to versatile applications because of 3 different sizes (4, 8 and 10mm)
- and 2 different lengths (235 mm and 495 mm)
- ergonomic handle
- with hanging hole

Item #
1326

PRO



Interior Linking Hook

- especially useful for stuck linings
- T-handle for easy pulling
- offset head with 9 mm opening
- perfect for hard to reach areas
- universally applicable for all types

Item #
8285

PRO +



Window Lift / Door Handle Clip Removing Tool, 270 mm

- hardened
- prevents damaging the door trim

Item #
3543

PRO



Door Handle Clip Pliers

- allows you to remove the window crank clips
- prevents damage to the door panel
- coated handle
- 220 mm length
- riveted jaws
- dip insulated handles

Item #
3542

PRO +



Door Trim Pliers

- for loosening plastic clips on door trims, bumper straps, etc.
- black finish jaw manufactured from hardened sheet steel

Item #
3192

PRO +



Doorclip / Rivet Pliers, 230 mm

- revolving head 0-90°
- for opening and/or loosening two-piece rivets (plastic clips on motorcar doors and car body components)



Item #
3545



Seal Puller, 320 mm

- for assembly and disassembly of rotary shaft seals
- 320 mm length for fast and easy disassembly
- hardened pulling lever for long product life time
- anti-slip coated handle

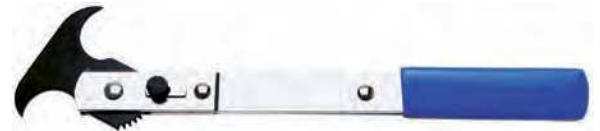


Item #
122



Double Hook with Joint for Removal of Shaft Gaskets

- for dismantling of shaft gaskets
- quick and easy disassembly with 320 mm lever
- lever adjustable in five positions of up to 45°
- coated handle



Item #
118



Seal Ring Double Hook Set

- facilitates the removal of the radial shaft sealing rings
- differently bended double hooks for different working angles
- also suitable for deep-seated seals
- extractor claw can be extended
- with slide hammer



Item #
68344



2-piece Taillight Removal Tool Set

- for easy and damage-free removing of car lights
- universal application for light covers with clips (not for screwed ones)
- non-slip handle provides secure gripping
- plastic probes avoid scrapes
- includes the following disassembly tools:
 - straight type, length: 198 mm, width: 17 mm, thickness: 1.2 mm, with 0.7 mm plastic probe
 - angular type, length: 205 mm, width: 17 mm, thickness: 1.2 mm, with 0.7 mm plastic probe

Item #
8851



Edge Protection and Sealing Rubber Loosener

- for easy disassembling of door seals and edge protection rubber
- 1 mm steel sheet, with dip coated handle
- 18 mm grip edge, width 57 mm
- dimensions: (W) 130 x (L) 190

Item #
1330



Lead Perlon Cable 15 m x 3 mm

- for installing antenna cables etc.

Item #
1990



Cable Access Kit

- ideal for gaining access to wires & cables under floorboards, in ceiling ducts, trunking & wall cavities
- made from reinforced polyester
- includes following parts:
 - 10 fiberglass rods, length 1 meter, Ø 4 mm can be connected for a max. length of 10 meters
 - 1 flexible extension 115 mm length
 - 1 push ring
 - 1 pulling hook

Item #
1989



Emergency Car Opening Set

- sold only to authorised workshops
- universally applicable
- heavy duty model

Packed in a wallet



Item #
3546



Locking Clamp for Hood and Trunk Openers

- for locking hood and trunk openers when the gas springs are not working
- maximum opening width 30 mm



Item #
2790



Telescopic Stand for Engine or Trunk Lid

- adjustable from 53 to 120 cm
- for easy alignment of trunk lid and hood
- can be locked in many positions by turning the telescopic rods
- only a few centimeters more opening width can make working more convenient
- also useful when changing the original openers or dampers and during car body repair jobs
- rubber feet on both ends prevent slipping away
- low weight, made from aluminium

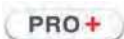


Item #
8246



12-piece Airbag Tool Kit

- for disassembling the air bag unit
- suitable for following car types:
 - VW Bora, Golf, Jetta, Lupo, New Beetle, Passat, Polo
 - Audi A4, A6
 - BMW, Mercedes-Benz, Opel, Renault: all types
 - Seat: all types built in or after 1999
 - Scoda Fabia, Oktavia, Superb
- incl. 2 special T-30 Bits (tamperproof and non-tamperproof)



Item #	Description
8147	12-piece Airbag Tool Kit
8147-T30	Special T-Star Socket, 1/4

7-piece Pipe Connector Loosening Clip Set

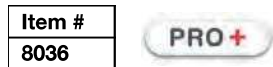
- for pipes \varnothing 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8"
- quick connecting sleeves in air conditioning systems and fuel lines

On PVC display board



22-piece Pipe Connector Removing Kit

- removing and disconnecting tools for pipe connectors
- for air conditioning, fuel, air and oil pipes
- fits nearly all brands



Fuel Line Disconnecting Tool BMW

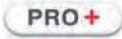
- facilitates the separation of fuel line connections
- made of anodized aluminum
- suitable for 3-series built during 1999 to 2005, and X5



19-piece Terminal Tool Set, multi-brand

- removes wires from terminal blocks without any damage
- for round and flat terminal blocks
- fits various brands, for example
VW, Opel, Ford, Mercedes, BMW and many more
- protective caps prevent damage of the blades
- each one tool for:
 - round contacts Ø 2,3 mm
 - round contacts Ø 3,5 mm
 - flat contact Standard 1,48 mm
 - flat contact Micro-Timer 1
 - flat contact Micro-Timer 2+3
 - flat contact Maxi-Power-Timer
 - flat contact PIT POD
 - flat contact JPT/SPT
 - 3 replacement bushes

In plastic case with foam



Item #	Description
60100	12-piece Terminal Tool Set, multi-brand
60100-CE56	Cable Connector Loosening Tool CE56 from BGS 60100
60100-CE91	Cable Connector Loosening Tool CE91 for BGS 60100
60100-1	3-piece Replacement Sleeve for BGS 60100

11-piece Terminal Tool Set, for VAG+Porsche

- removes wires from terminal blocks without any damage
- for round and flat terminal blocks
- special set for VAG
- protective caps prevent damage of the blades
- also suitable for some connectors in the
BMW, Daimler, Chrysler, Fiat, Ford, Honda, Jaguar,
Opel, Mazda, Mercedes Benz, Mitsubishi, Porsche
PSA, Renault, Saab, Toyota, Volvo, VAG
- for round contacts with diameter 1.5, 2.3 and 3.5 mm
- for contacts with one locking lugs
6.3, 0.63 / 1.6 and 2.8 / 5.8 mm
- for contacts with two symmetrically locking lugs
1.6, 2.8 / 5.8 and 9.5 mm
- for contacts with two asymmetrically locking lugs in
2.8 mm

Item #
60120

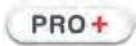


14-piece Terminal Tool Set, for MAN+Volvo

- removes wires from terminal blocks without any damage
- for round and flat terminal blocks
- special set for MAN and Volvo
- protective caps prevent damage of the blades
- also suitable for some connectors in the BMW, Daimler, Chrysler, Fiat, Ford, Honda, Jaguar, Opel, Mazda, Mercedes Benz, Mitsubishi, Porsche PSA, Renault, Saab, Toyota, Volvo, VAG
- for round contacts with diameter 1.5, 3.5, 4.0, 2.5 and 4.0 mm
- for contacts with one locking lugs 2.8 / 5.8 mm
- for contacts with two symmetrically locking lugs in 2.8 / 5.8 and 2.8 mm
- for contacts with multiple locking lugs in 1.5 and 2.5 mm



Item #
60150



23-piece Terminal Tool Kit

- universal range for virtually all vehicles
- for damage-free unlocking of terminals and connectors, e.g. for ABS, climate sensors, radios, PDC, trailer coupling modules, and much more
- faults due to corrosion or connection defects can be repaired quickly
- suitable for round and tab contacts
- indispensable for technicians and vehicle electricians



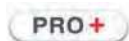
Item #
60160



Letter Punch Sets

- faces in accordance with DIN 1451,
- suitable for punching letters into steel and iron
- capital letters: A to Z
- symbol / characters: &

packed in plastic case



Item #	Description
2030	Letter Punch Set, 3 mm
2031	Letter Punch Set, 4 mm
2032	Letter Punch Set, 5 mm
2033	Letter Punch Set, 6 mm
2034	Letter Punch Set, 8 mm
2035	Letter Punch Set, 10 mm



Figure Punch Sets

- faces in accordance with DIN 1451
- suitable for punching letters into steel and iron

packed in plastic case

PRO +

Item #	Description
3031	Figure Punch Set, 2 mm
3028	Figure Punch Set, 2.5 mm
3033	Figure Punch Set, 3 mm
3034	Figure Punch Set, 4 mm
3035	Figure Punch Set, 5 mm
3036	Figure Punch Set, 6 mm
3038	Figure Punch Set, 8 mm
3039	Figure Punch Set, 10 mm
3040	Figure Punch Set, 12 mm



Star Punch 6 mm

- limiter icon for chassis numbers

Item #
2050



Spring Compressor Set with 3 Pairs of Jaws

- maximum capacity approx. 1050 kg / 10200 Nm
- maximum opening width 300 mm
- with 3 sets of Jaws
 - 60 - 125 mm
 - 88 - 160 mm
 - 126 - 212 mm
- chrome molybdenum steel
- plastic coated jaws protect the springs from a loss of the antirust coating

PRO +

Item #	Description
980	Spring Compressor Set with 3 Pairs of Jaws
980-1	Spindle for Spring Compressor Set BGS 980
981	6-piece Replacement Protection Jaw Set for BGS 980
982	180-240 mm Jaws, BMW & Renault, Special size for BGS 980



Spring Compressors for MC Pherson Strut

- professional spring compressor for daily use in workshops
- includes 2 spring plate pairs, universally applicable for almost all MC Pherson struts
- maximum load: 1.650 kg (16.150 Nm)
- max. clamping width: 360 mm
- min. clamping width: 75 mm
- spindle: M 15 x 300 mm

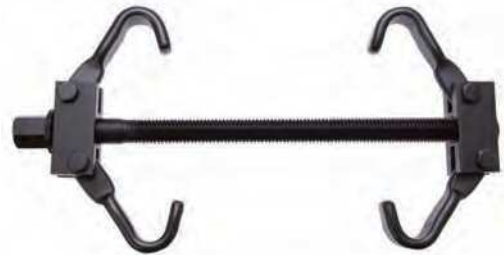


Item #
999



Coil Spring Compressor

- black finish
- length 300mm
- min. width of the clamping arms: 105 mm (important for access by wishbone)
- max. spring diameter: 150 mm
- clamping range: 185 to 380 mm (may vary depending on spring diameter)
- spindle length 300 mm
- torque via 23 mm hex.

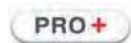


Item #
1131



Spring Strut Spanner Set for Mercedes Benz

- NEW: now with Torque Bar
- max. compressive force up to 2500 kg
- suitable for Mercedes Benz models: W123, W124, W126, W129, W140, W170, W201, W202, W210 and other cars
- incl. 2 spring retainer sets for front and rear axle (main unit has to be attached in the middle)



Item #	Description
1136	Spring Strut Spanner Set for Mercedes Benz
1136-1	Spindle from Spring Strut Spanner Set BGS 1136
1136-2	Spindel Secure Pin for BGS 1136

Coil Spring Compressor, 2500 kg

- professional spring compressor for daily workshop use
- for springs with a diameter of 90 to 140 mm
- especially suitable for vehicles with small hole in the spring control arm, down to Ø 30 mm e.g. VW Touran, Citroen C3, Skoda Octavia, Peugeot 107
- suitable for double wishbone / multi-link suspension systems
- special socket prevents overloading of the spring compressor
- includes:
 - 2 tensioning jaws 90 to 120 mm
 - 2 tensioning jaws 120 to 140 mm
 - special spindle for limited spaces Ø 30 mm
 - torque limited extension bar
- maximum load: 25000 Nm
- minimum distance: 96 mm
- maximum distance: 220 mm
- maximum spring travel: 124 mm



Item #
985



Suspension Strut Socket, for Use with 22 mm Socket

- for loosening VW and AUDI suspension strut nuts
- best use along with 22 mm socket / spanner
- black finish



Item #
155



4-piece Spring Strut Set

- suitable for Polo - Golf - Audi - Passat - Mercedes-Benz
- hex. drive, 22 mm



Item #
1111



Pin Wrench for Shock Absorber Screwing, Mercedes

- for loosening the upper shock absorber screwing
- the recess in the front part of the pin wrench allows counterholding of the piston rod
- plastic coated shaft prevents damage
- suitable for Mercedes Benz 211 T-Model rear axle (E-Class Station Wagon)
- for nuts with 3-pin adapter
- length: 230 mm



Item #
8307



Special Wrench for Shock Absorber with Oval Pins

- fits all common types of shock absorbers with oval pins
- two different wrench sizes:
5 x 8 mm and 6 x 9 mm
- safer and easier to use than locking pliers
- wrench ends slightly angled, for more loosening space
- chrome plated, length 182 mm

Item #
1301



Spreader Socket for Spring Strut Clamp

12.5 1/2

- for spreading spring strut clamps on
VAG, BMW, Citroen, Ford, Renault
wheel bearing housings



Item #	Description
6455	Spreader Socket Set for Spring Strut Clamp, 5 x 7 mm and 5.5 x 8.2 mm
6453	Spreader Socket for Spring Strut Clamp, 5.5 x 8.2 mm
6454	Spreader Socket for Spring Strut Clamp, 5 x 7 mm



Spring Strut Tool Set

- fits most popular vehicle types
- for repair jobs on shock absorbers and for retaining the shock absorber piston
- includes:
 - ratchet, reversible
 - int. hex. sockets, length 122 mm
16 - 17 - 18 - 19 - 21 - 22 - 24 mm
 - int. hex. sockets, length 122 mm
6 - 7 - 8 mm
 - special sockets, (oval), length 122 mm
5x8 - 6x8 - 7,1x9,6 mm
e.g. for Porsche Cayenne, VW Touareg
 - 6-pt sockets, length 122 mm
7 mm for Mercedes Benz Vaneo
8 mm for BMW
9 mm for Opel corsa B , Astra F / G, Vectra B
 - T50, length 122 mm for Opel Astra H

Item #
2087

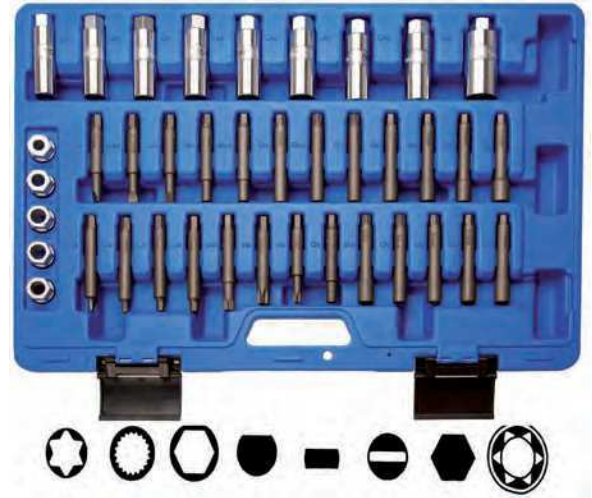


39-piece Suspension Tool Kit

- for counterholding the piston rod while loosening
- includes the following tools:
 - 6-pt. sockets, long, for loosening 14-16 - 17 - 18 - 19 - 21 - 22 - 24 and 27 mm
 - 2-tap sockets for loosening 10,5 - 12,5 - 14,0 and 14,5 mm
 - slot-profile socket for counterholding 4 to 5,2 - 6 - 6,3-7 - 8 - 9 - 10 and 12 mm
 - D-profile bits for counterholding 5 and 10 mm
 - 6-pt. sockets for counterholding 8 - 9 - 10 and 11 mm
 - 6-pt. bits for counterholding 5 - 6 - 7 and 8 mm
 - slotted bits for counterholding 3 - 3,5 and 4 mm
 - XZN bit M12
 - T-profile bits for counterholding T50 and T60

PRO +

Item #	Description
2086	39-piece Suspension Tool Kit
2086-H5	Bit 5 mm internal hexagon from BGS 2086
2086-H6	Bit 6 mm internal hexagon from BGS 2086



Shock Absorber Tool Kit

- for shock absorber nuts
- suitable for nearly all vehicles, incl. Japanese gas shock absorbers
- includes:
 - extension socket
 - rotating plate with 39 and 34 mm outer 6-pt.
 - rotating plate with 60 mm inner 6-pt.
 - 90° rotation plate, universal
 - 120° rotation plate for Japanese cars
 - 4 holding plates with 4-pt. head
 - 4 holding plates with round head
 - 4 screws M6 x 18
 - 4 mm int. hex. wrench
 - 3 socket for grooved nuts with 22 mm 6-pt. drive in following sizes:
 - 10,5 mm inner diameter with 3,5 mm pin
 - 12,5 mm inner diameter with 3,5 mm pin
 - 14,5 mm inner diameter with 3,5 mm pin

Item #
8679

PRO +



8-piece Assembly Tool for Shock Absorbers with Spring Stop

- allows an easy mounting of shock absorbers with tension stop springs
- the tension stop springs prevent a complete pull-out of the piston rod and makes it difficult to assembly the spring plate (camber plates)
- the tool allows a completely pulling out of the piston rod against the tension stop springs
- includes:
 - telescopic basic unit with handle
 - intermediate bearing with telescopic pipe receiving thread
 - universal clamping piece with plastic jaw protector
 - 2 clamping screws set, short
 - 2 clamping screws set, long
 - T-handle hex. wrench with ball head
- fits on most shock absorbers with tension stop springs, on e.g. BMW / MB / Toyota / Nissan / Fiat / Peugeot / Ford, etc.



Item #
8877



Bench Vice Clamping Tool for Struts

- for clamping MC Pherson struts
- facilitates working on spring and shock absorbers
- protective rubber jaws prevent damage to the strut
- suitable for fixed mounting on the workbench
- material: S45 carbon steel, phosphate coated



Item #
3150



16-piece Bushing Driver Set

- made from aluminium
- 3 punches: Ø 11 mm, 16 mm, 21 mm
- 13 pressure pads:
 - 10 mm internal diameter x 12 mm external diameter
 - 12 mm internal diameter x 14 mm external diameter
 - 14 mm internal diameter x 16 mm external diameter
 - 15 mm internal diameter x 17 mm external diameter
 - 16 mm internal diameter x 18 mm external diameter
 - 18 mm internal diameter x 20 mm external diameter
 - 19 mm internal diameter x 21 mm external diameter
 - 20 mm internal diameter x 22 mm external diameter
 - 22 mm internal diameter x 24 mm external diameter
 - 25 mm internal diameter x 27 mm external diameter
 - 26 mm internal diameter x 28 mm external diameter
 - 28 mm internal diameter x 30 mm external diameter
 - 30 mm internal diameter x 32 mm external diameter

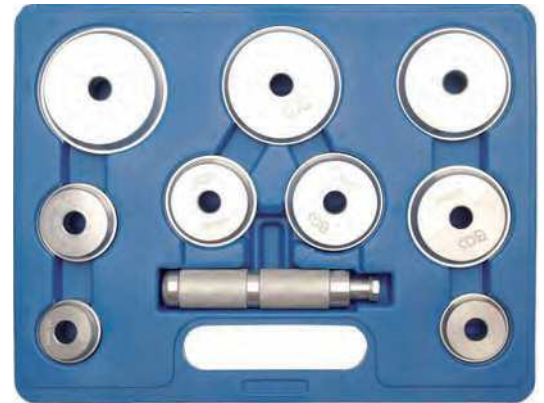


Item #
1524



10-piece Bearing & Seal Driver Set

- for the assembly of shafts, bearings etc.
- incl. 1 pin and blocker bar with the following diameters:
40-44-50-59-63-65-72-76-81 mm
- reception 14 mm



Item #
1522



52-piece Mounting Pad Set for Bearings

- suitable for mounting of bearings, sealing rings and rubbers
- particularly useful when using with hydraulic presses
- this kit includes mounting pads in following sizes:
18 to 65 mm (1 mm steps) and 74 mm
12 mm Ø bore
- 180 mm metal handle for use with hammer
- made from carbon steel



Item #
8467



21-piece Installation Disc Set, XXL

- suitable for mounting bearings and sealing rings
- particularly useful when used with a hydraulic press
- this kit includes 17 mounting pads
Ø 70 to 150 mm (5 mm steps)
- 273 mm metal handle for use with a hammer
- material: carbon steel



Item #
8736



34-piece Bearing Mounting Tool Set, Nylon

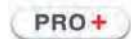
- for non-damage mounting of bearings and sealing rings
- includes 34 nylon and 3 metal mounting sleeves
- suitable for most bearings
- includes the following pressure piece sizes:
 - 10-26 mm / 10-30 mm / 10-35 mm
 - 12-28 mm / 12-32 mm / 12-37 mm
 - 15-32 mm / 15-35 mm / 15-42 mm
 - 17-35 mm / 17-40 mm / 17-47 mm
 - 20-42 mm / 20-47 mm / 20-52 mm
 - 25-47 mm / 25-52 mm / 25-62 mm
 - 30-55 mm / 30-62 mm / 30-72 mm
 - 35-62 mm / 35-72 mm / 35-82 mm
 - 40-68 mm / 40-60 mm / 40-90 mm
 - 45-75 mm / 45-85 mm
 - 50-80 mm / 50-90 mm
- pressure disc sizes: 45-100 mm / 50-110 mm

Item #
8670



Wheel Bearing Tool Set, 31-pc.

- universal use on most wheel bearings
- allows disassembly and assembly of the wheel hub and the wheel bearings
- includes:
 - pressure plates with diameters of : 50 - 55 - 59 - 63.3 - 66.6 - 70.3 - 71.5 - 73.1 - 73.4 - 74.8 - 77.5 - 81.5 and 83.4 mm
 - sleeves with following diameters: 76 - 86 - 91 - 102 mm
 - 3 extractor bolts M12 x 1.5
 - 3 extractor bolts M14 x 1.5
 - spindle 7/8" x 300 mm (incl. thrust bearing)
 - pressure nut 32 x 60 mm
 - pressure sleeve Ø 38 x 40 mm
 - washer Ø 40 x 3 mm



Item #	Description
67301	31-piece Wheel Bearing Tool Set
67301-1	Bearing from BGS 67301



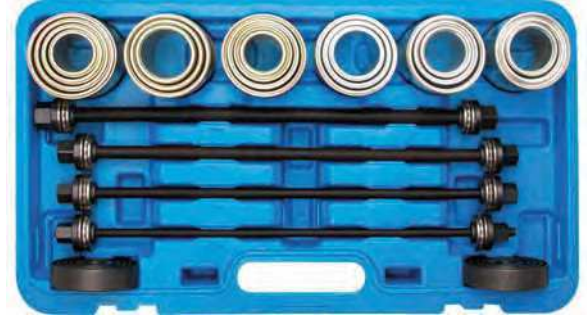
Bushes / Bearing

26-piece Bearing and Bushing Tool Set

- comprehensive kit for fast and effective removal and installation of wheel bearings & suspension bushes
- reduces the possibility of damaging the bearing and housings
- supplied with four stepped end plates
- 4 screws: M10 x 1.5 - M12 x 1.5 - M14 x 1.5 M16 x 1.5 mm, 450 mm long
- plates and sleeves can also be used in a common workshop press
- sleeve wall thickness: 5 mm
- sleeve height: 94 mm
- sleeve outer diameter: 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82 mm
- counterholding plates : Ø 83 x 20 mm

PRO +

Item #	Description
67302	26-piece Bearing and Bushing Tool Set
67302-M10	Spindle M10 from BGS 67302
67302-M12	Spindle M12 from BGS 67302
67302-M14	Spindle M14 from BGS 67302
67302-M16	Spindle M16 from BGS 67302



Bushes / Bearing

Pull and Press Sleeve Kit with 4 Spindles

- universal type for all car models
- also for assembly or disassembly of silent bearings, rubber- and ball bearings
- also suitable for rubber bushes and rotary shaft seals
- smooth running because of high-quality ball bearing on spindle screw nut
- four 350 mm spindles in M10, M12, M14 und M16
- 20 inner pressure pads in 34, 36, 38 mm bis 72 mm
- 20 outer pressure pads in 44, 46, 48 mm bis 82 mm
- pressure pads are slotted for visual control

PRO +

Item #	Description
1514	Pull and Press Sleeve Kit with 4 Spindles
1514-M10	Spindle M10 for Pull and Press Sleeve Kit Art. 1514
1514-M12	Spindle M12 for Pull and Press Sleeve Kit Art. 1514
1514-M14	Spindle M14 for Pull and Press Sleeve Kit Art. 1514
1514-M16	Spindle M16 for Pull and Press Sleeve Kit Art. 1514



Rear Axle Bushings Tool for BMW 5 & 7 series

- for renewing the rear ball joint bushes
- suitable for 5 Series E39, 7 Series E38
- includes:
 - high-strength spindle
 - hexagon nut with collar
 - dismantling pressure sleeve
 - dismantling holding sleeve, with bearing
 - assembly holding sleeve
 - mounting pressure sleeve

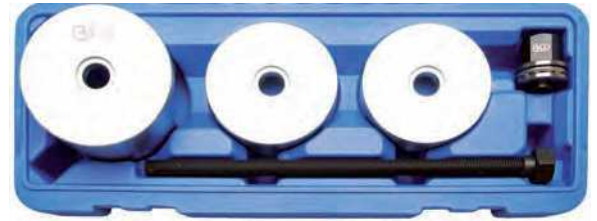
Item #
8486

PRO +



Rear Axle Bush Tool for Renault Laguna II

- for removal, installation and alignment of rear axle bushes on Renault Laguna II
- material: S45C steel, zinc finish



Item #
8770



Rear Axle Wheel Bearing Kit for Audi Quattro

- for removing & installing of rear wheel bearings
- suitable for Audi
 - A4 Quattro B6 (2002 - 2004)
 - A4 Quattro B7 (2005 - 2008)
- includes spindle, press head and receiver cup
- large "U" shaped press plate for safely and easily removing of drive hubs
- made from S45C special tool steel, black finish



Item #
8784



Wishbone Bushes Tool for Mercedes- Benz W210

- for renewing the rear control arm bushing
- suitable for Mercedes W210 (E-Class) models



Item #
8733



Wishbone Bushing Tool for Mercedes-Benz W410

- for renewing the rear control arm bushing
- suitable for Mercedes W140 (S-Class) models



Item #
8734

PRO+

Wishbone Bushes Removal Tool for Mercedes-Benz

- for renewing the rear control arm bushing
- suitable for all Mercedes W170 (SLK) and W202 (C-Class) models



Item #
8735

PRO+

Trailing Arm Bushing Tool for BMW

- prevents damage to new bushings
- disassembly of the trailing arm is not required
- simplifies installation and reduces installation time
- contains: disassembly and assembly pressure piece, counter holding sleeve, counter holding sleeve plate, mounting ring and tool for biasing the bushing
- suitable for BMW (after 2007) E85, E89, E92



Item #
8716

PRO+

Wheel Bearing Tool Set for Mercedes-Benz

- for replacing wheel bearings on Mercedes cars
- suitable for following models:
190 (W201), A-Class (W168, W169),
B-Class (W245), C-Class (W202, W203),
E-Class (W210, W124), M-Class (W163, W164),
S-Class (W140), V-Class (W639)
- includes all tools for disassembly and assembly of wheel bearings



Item #
8737



Wheel Bearing Tool Set for Audi

- for replacing wheel bearings on VAG models
- suitable for following models:
Audi A3 (8L), A4 (B5), A4 Quattro (B6) Rear Axle
Audi A6 (4A, 4B), A8 (4D, 4E), TT (8N, 8y)
VW Polo (6N), Golf (II, III, IV), Passat, Sharan, T4
- includes all tools for disassembly and assembly of wheel bearings



Item #
8738



Wheel Bearing Tool Set for Peugeot / Renault / Citroen

- for replacing wheel bearings on Peugeot, Citroen, Renault models
- includes all tools for disassembly and assembly of wheel bearings



Item #
8739



Bushes / Bearing

Rear Axle Bush Tool for BMW 36, E46, E85

- for easy and gentle replacing of rear axle bushes on BMW models E36, E46, E85
- consists of disassembly and assembly pressure pieces, ball bearings, high-strength spindle

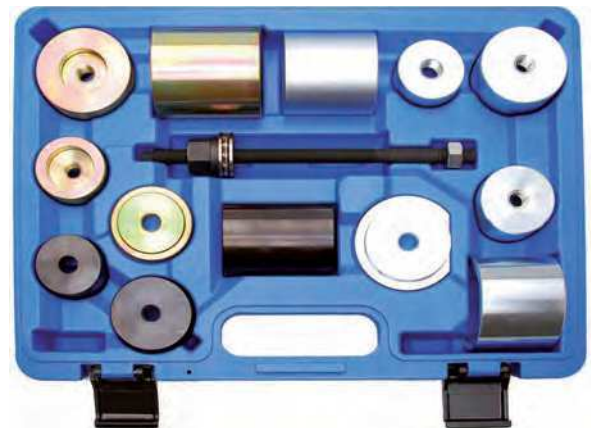


Item #
8776



Silent Block Tool Set for BMW

- for renewing rubber suspension bushings
- suitable for BMW models:
 - 1 Series: E81, E87
 - 3 Series: E36, E46, E83, E90, E91, E92, E93
 - 5 Series: E60, E61
 - 6 Series: E63, E64
 - 7 Series: E38, E65, E66, E67
 - 8 Series: E31
 - Z4 Series: E85, E86
 - MINI COOPER S: R53



Item #
8579



Silent Block Tool for Skoda Fabia, VW Polo

- for proper and quick installation of rubber bushings (silent blocks) on front axle brackets
- suitable for Audi A2, VW Polo IV 9N (02-05), Skoda Fabia I, Seat Ibiza 6L (02-06) and Cordoba from 2002
- material: S45C steel
- to be used as OEM 3062, 3253/8, T10037



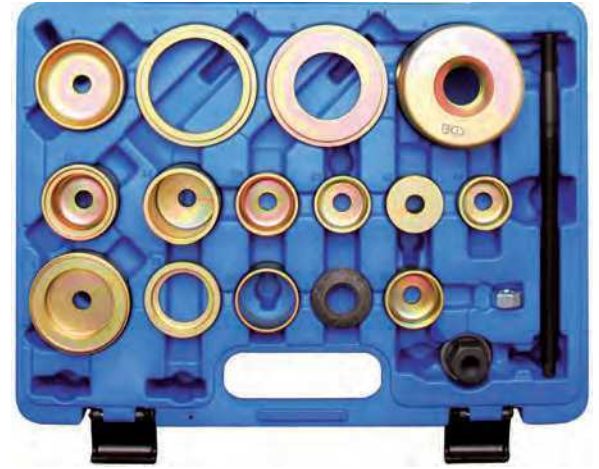
Item #
8254



Silent Bearing Tool Set for VAG

- for replacement of bushes on wishbone / trailing arms, wheel bearing housing, lower wishbone downside / inside
- allows renewing of bushes on the vehicle, when installed
- suitable for the following VAG vehicles:
 - VW Golf 5 Plus / Variant / 4-Motion Year 2005-2012, Jetta / Syncro Year 2006-2012, Scirocco 2009-2012, Beetle Year 2012 -, Eos Year 2006-2012
 - Seat Altea Year 2004-2012, 2006-2012 Leon, Toledo Year 2005-2009
 - Audi: A3 / S3 Year 2004-2012 TT / TTS Coupe / Roadster Year 2007-2012
- includes the following tools:
 - ball washer, adapter rings, removing and installation pressure pieces, installation centering pieces, centering sleeves and spacers

Item #
8778



Rear Axle Bush Tool Set for VAG

- for renewing the plastic and rubber bushes on rear axle when installed
- suitable for VAG models:
 - Audi A3, VW Golf 4, Bora, New Beetle

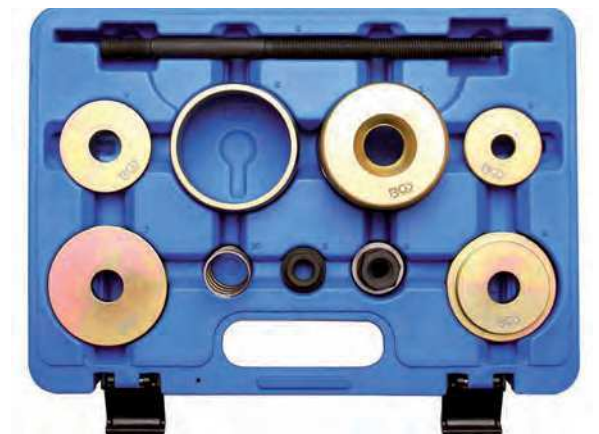
Item #
8779



Rear Axle Silent Block Tool Set for VW T5

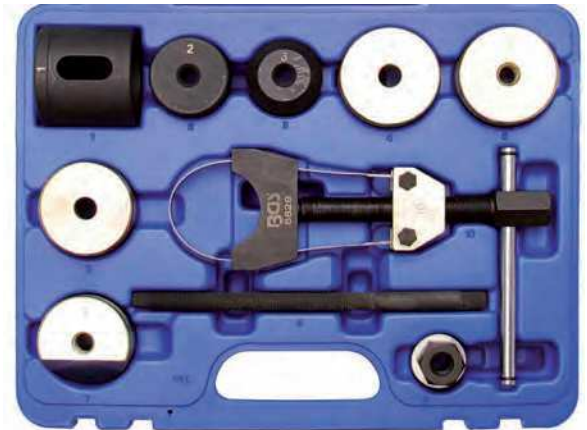
- for renewing the rear axle silent block bushings when installed
- contains centring plate with spring, 2 thrust washer, adapter ring, spindle with nuts M14 x 2

Item #
8780



Trailing Arm Bushing Tool for BMW Rear Axle E87-90-93/M3

- for replacing the trailing arm bushings and trailing arm in wheel carrier bushing
- suitable for BMW Models 1 and 3 (2004 - 2012) series: E81 / E82 / E83 / E85 / E86 / E87 E88 / F20 / E90 / E91 / E92 / E93
- includes the following tools:
 - split bush compressor to be used as OEM 334450
 - camber arm mounting extraction / insertion tool to be used as OEM 334460
 - trailing arm mounting extraction / insertion tool to be used as OEM 334480



Item #
8829



Inner Wheel Bearing Race Puller Set for Mercedes, 11-pcs.

- for removing the inner bearing race from the wheel hub
- fits on most vehicles with ring diameter 56 - 68 mm
- includes the following tools:
 - 3 pullers, suitable for e.g. the following models:
 - 56-60 mm: Mercedes W168
 - 60-64 mm: Mercedes W201, W202, W203, W210, W214, BMW, Peugeot
 - 64-68 mm: Mercedes W163, W140, W169, W211, W220, W245, W124T
 - special handle, 36 mm ring spanner, M20 x 1.5 spindle, 2 pressure pieces



Item #
7764



Inner Wheel Bearing Race Puller Set, 48-52 & 52-56 mm

- for removing the inner bearing from the wheel hub
- fits on most vehicles with ring diameter 40 to 55 mm e.g. VAG, BMW, Ford, Fiat, Mercedes, Opel, Renault, Seat, Skoda, Porsche, Peugeot, Volvo etc.
- includes the following tools:
 - 4 pullers, in sizes:
 - 40 - 45 mm / 45 - 51 mm / 55 - 61 mm / 50 - 55 mm
 - 2 ring spanners
 - spindle M20 x 1.5



Item #
7763



Rear Axle Guide Bushing Tool, BMW 5 & 7 SERIES

- allows replacement of rear axle guide bushings (ball bushes)
- suitable for models E39 und E38
- consists of:
 - assembly pressure plate
 - disassembly pressure plate
 - spindle and counterholding sleeve

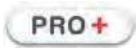
Item #
8481



Rear Trailing Arm Bush Tool for BMW E36 & E46

- suitable for BMW 3 Series (E36, E46, E46 Compact)
- for removing original bushes and removing & installing new style slotted bushes
- material: S45C carbon steel, hardened

Item #
8480



8-piece Silent Block Puller Set for BMW E38, E39

- for differential suspension bushes at rear axle
- includes various press pieces, spindle and sleeve
- material: S45C steel

Item #
6456



Mounting Tool for Fiat Rear Axle Silentblocks

- used for mounting silentblocks on Fiat rear axles
- suitable for:
 - Fiat Stilo '01 - '07
 - Fiat Bravo from '07
 - Lancia Delta '08
- M12 spindle, nut with bearing

Item #
8464

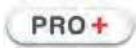


4-piece Rear Wheel Bearing Remover & Installer Set

- for removing / installing the rear wheel bearing and rear axle flange on Mercedes Benz types W124, 129, 201, 202



Item #
64100



Rear Axle Bush Mounting Tool for VW Golf and Audi A3

- for mounting the rear axle bushes without removing the rear axles
- suitable for Audi A3 (99-03), Volkswagen Gold IV, Bora (01-03) 1.4 / 1.6 / 1.8 / 2.0 and 1.9D
- the bushes can be mounted easily using a ratchet wrench or spanner

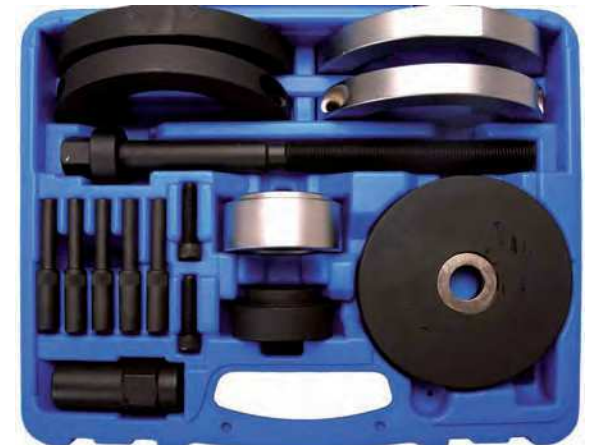
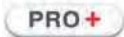


Item #
8437



Wheel Bearing Tool for VW Wheel Hub Bearing Unit

- facilitates assembly and disassembly of wheel hub-bearing unit
- high-strength ball bearing fitted spindle
- pressure plate with 8 holes
- 5 bolts
- 1 pair of divided dismantling shells
- 1 dismantling plate
- 1 pair of divided mounting shells
- 1 mounting plate



Item #	Description
8321	Wheel Bearing Tool for 62 mm VW Wheel Hub Bearing Unit
8322	Wheel Bearing Tool for 66 mm VW Wheel Hub Bearing Unit
8270	Wheel Bearing Tool for 72 mm VW Wheel Hub Bearing Unit
8324	Wheel Bearing Tool for 85 mm VW Wheel Hub Bearing Unit
8323	Replacement Spindle for BGS 8270, 8321, 8322, 8324

Wheel Bearing Hub Unit Installing Tools for VAG 62, 66, 72 mm

- suitable for following VAG models:
 - Audi A2
 - VW Lupo - Polo - Fox
 - Seat Ibiza
 - Skoda Fabla
- fits on 62, 66 and 72 mm bearing unit
- works direct on the vehicle
- minimizes the working time
- simple and safe handling
- can also be optionally used with a workshop press
- includes following tools:
 - 1 universal pressure bell
 - 3 pressure pieces
 - 1 spindle unit with ball bearing
 - 2 half shells (black) for 72 mm bearing
 - 2 half shells coupling (chrome), for 66 mm bearing
 - 2 half shells coupling (anodized), for 62 mm bearing



Item #
6250



Wheel Hub Tool for Audi, 90 mm

- facilitates assembly and disassembly of front wheel hubs
- for use with workshop hydraulic press
- suitable for Audi models:
 - A4 / S4 QuattroAvant 2001-2008
 - A6 / S6 QuattroAvant 2002-2005
 - A8 / S8 QuattroAvant 2004-2007, R8 since 2007
- 1 pressure plate
- 5 push pins
- 1 pair of disassembly shells
- 1 disassembly pressure piece
- 1 mounting sleeve



Item #
8709



Wheel Hub Bearing Unit Tool for Ford, Volvo, Mazda, 78 mm

- facilitates assembly and disassembly of front wheel hub-bearing unit
- suitable for following models:
 - Ford Focus 2 as of 2004, C-Max as of 2003
 - Volvo C30 as of 2006, C70 Cabriolet as of 2006, S40 as of 2004, V50 as of 2004,
 - Mazda 3 (BK) 1.4 / 1.6 /1,6 Turbo as of 2003
- contents:
 - 1 pressure plate
 - 4 pressure bolts
 - 2 screws
 - 1 pair of disassembly shells
 - 1 disassembly pressure piece
 - 1 pair of mounting shells
 - 1 mounting pressure piece
 - 1 high-strength, ball bearing spindle



Item #
8708



Front Wheel Bearing Puller for Ford Transit as of 2006

- for removal of the front wheel bearing unit and for removing the wheel hub
- allows renewing of the camp without replacing the wheel hub
- consisting of:
 - puller with retaining key
 - screw set (5 pcs.)
 - pressure plate (large)
 - pressure plate (small)
 - spindle with hex. drive

PRO +

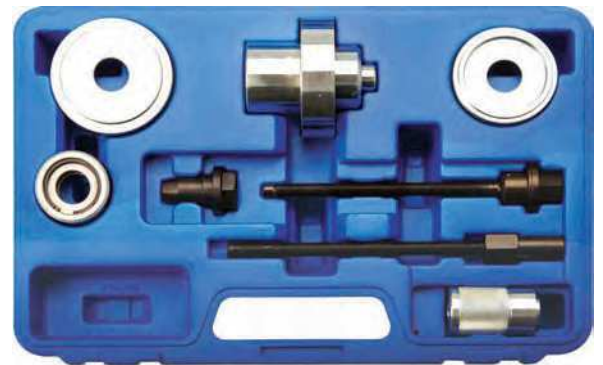


Item #	Description
8707	Front Wheel Bearing Puller for Ford Transit as of 2006
8707-1	Puller Feet from BGS 8707
8707-2	Spindle from BGS 8707

Bushing Tool Kit for VW Polo 9N

- for easy and safe removal and replacement of silent blocks directly on the vehicle
- no removal necessary, minimizing the workload
- contains spindle, spindle extension, shoulder nut, spindle adaptor M10x1.25 made of S45C carbon steel
- spacer, pressure part, centering mandrel made from aluminium alloy

PRO +



Item #	Description
8253	Bushing Tool Kit for VW Polo 9N
8253-1	Spindle from BGS 8253

Pressing Frame

- to be used especially with BGS 1514 pulling and pressing sleeve set
- with M18 spindle for impact use
- can be used with hydraulic ram BGS 7721-X
- max. pressing width: 220 mm
- frame size: 340 x 185 mm
- distance from spindle to frame: 80 mm



Item #
3051

Mini Suction Lifter, Ø 55 mm, ABS

- with quick release lever
- ideal for removing little body dents etc.
- max. capacity: 5 kg

Item #
7987



Suction Lifter Ø 115 mm, ABS

- with quick release lever
- ideal for lifting windows, body repair, etc.
- max. capacity 40 kg

Item #
7998



Twin Suction Lifters, Ø 120 mm, ABS, Length 325 mm

- fixed cups for flat windows
- max. capacity: 60 kg

Item #
7991



Twin Suction Lifters, Ø 120 mm, ABS, flexible Cups, Length 390 mm

- with quick release lever
- max. capacity: 60 kg

Item #
8000



3-piece Suction Lifter Set

- incl. ratchet strap
- contents:
2 twin suction lifters BGS 8000 and ratchet strap
- for easy transport, assembly and removal of windscreen and rear window
- max. load per twin suction lifter: 60 Kg

Item #
7997



Suction Lifter, Ø 115 mm, Metal

- with quick release lever
- maximum capacity 45 kg



Item #
7995



Double Rubber Suction, Ø 115 mm, aluminum

- is required for lifting and mounting of windshields
- maximum capacity: 80 kgs
- suction cup diameter: 115 mm
- toggle lever suction device



Item #
7993



Triple Rubber Suction, Ø 115 mm, aluminum

- is required for lifting and mounting of windshields
- high load capacity of 95 kg
- suction cup diameter: 115 mm
- toggle lever suction device



Item #
7996



Suction Lifter, Ø 200 mm, extra strong

- with pump and quick release lever
- max. lifting capacity: up to 80 kg
- diameter: 200 mm



Item #
7983



Aluminum Hydraulic Pump, double stroke

- suitable for all BGS hydraulic tools
- usable oil capacity: 330 ml
- max. pressure: 689 bar (10000 psi)
- oil outlet: 3/8" NPT

Item #
1608

PRO +

Hydraulic Double Piston Foot Pump

- suitable for all BGS hydraulic tools
- 2 step pressure rating: 1. step: 13.8 bar (200 psi)
2. step: 700 bar (10165 psi)
- oil capacity: 700 ccm
- oil volume per stroke: 1. step 13.0 ccm
2. step 2.8 ccm
- oil port thread: 3/8 NPT
- hose length: 2.5 m

Item #
1613

PRO +

Air Hydraulic Pump, 689 bar (10,000 psi)

- suitable for all BGS hydraulic tools
- input air pressure: 90 - 140 psi
- air inlet: 1/4" x 18 NPT
- oil outlet thread: 3/8" x 18 NPT
- max. oil pressure: 689 bar (10000 psi)
- reservoir capacity: 2.2 l
- usable oil capacity: 1.6 l
- weight: 8.5 kg
- dimensions: 261 x 135 x 185 mm

Item #
1609

PRO +

Hydraulic Pressure Cylinder, 10 To.

- to be used with e.g. BGS 1608, 1609, 1613, 1611
- capacity: 10t
- max. pressure: 689 bar (10000 psi)
- height: min. 89 mm / max. 127 mm
- stroke: 38 mm

Item #
1610

PRO +

Hydraulic Adapter 3/8 NPT x 13/16 x 16 UNF

- quick coupler for hydraulic hoses



Item #
1613-1



Hydraulic Hose with Coupling

- to be used with e.g. BGS 1608, 1609, 1610
- max. pressure: 689 bar (10000 psi)
- length: 180 cm



Item #
1611



Hydraulic Kit for Wheel Bearing Tools BGS 8737, 8738, 8739

- in conjunction with the optionally offered wheel bearing tool sets for easy and professional replacing of very tight wheel bearings
- this set includes the following basic tools:
 - 2 hydraulic cylinder adapters, thrust piece, pressure spindle, adapter, pull spindle, adapter plate, 17 to. hydraulic cylinder (max. pressure 689 Bar / 10,000 PSI)
- suitable for e.g. following optionally supplementary tool sets:
 - BGS 8737 wheel bearing tool set for Mercedes Benz
 - BGS 8738 wheel bearing tool set for VAG models
 - BGS 8739 wheel bearing tool set for Peugeot, Citroen, Renault
 - BGS 8262 driveshaft assembly tool set for VAG, Mercedes, BMW, Porsche, Peugeot, Renault, Opel / Vauxhall, etc.

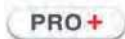


Item #
8788



Air Grease Gun, 400 ccm

- capacity 400 ccm
- incl. flexible and rigid delivery tubes
- 1/4" air connection



Item #	Description
3236	Air Grease Gun, 400 ccm
3236-1	High-Pressure Hose Made of Flexible Nylon for BGS 3236

Skeleton Type Heavy Duty Caulking Gun

- 300 mm long
- extra strong and heavy (460 g)

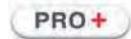


Item #
3510



Caulking Guns with Aluminium Cylinder

- expert quality



Item #	Description
3511	Caulking Gun with Aluminium Cylinder, 220 mm
3513	Aluminium Caulking Gun, for 380 mm Cartridges

Spare Nozzle for Standard Cartridges

- suitable for all standard cartridges
- consisting of tip and pressure plate



Item #
3512

Professional Cordless Caulking Gun, LI-ION, 10.8 V

- durable industrial seal gun for silicone, acrylic, grease, assembly adhesives, etc.
- with 10.8 V LI-Ion Accu
- additional batteries available under BGS 9916
- suitable for 400 ml cartridges or bags
- allows quick and clean application
- automatic reverse function avoids pressure in the system and prevents the leakage of liquids
- adjustable feed speed from 1 - 5.0 mm/s
- gear rack pushing bar
- one battery charge allows processing of multiple silicone cartridges
- thrust power: 450 kg
- weight: 2.2 kg
- contents: dispensing gun, battery, charger



Item #
8496



Miniature Pistol Type Grease Gun, 125 ccm

- easy to use with one hand
- capacity 125 ccm
- exchangeable delivery tube
- optional: flexible delivery tube BGS 3066



Item #
3141



Lever Grease Gun

- capacity 500 ccm
- for use with standard cartridges (220 mm) and bulk
- incl. delivery tube
- optional: flexible delivery tube BGS 3066

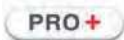


Item #
3140



Grease Gun

- supplied complete with delivery tube
- for 400 ccm / 220 mm cartridges
- length 300 mm
- optional:
flexible delivery tube BGS 3066
mouthpiece BGS 3143



Item #	Description
3065	Grease Gun
3065-1	Nozzle Tube for Grease Gun BGS 3065

Flexible Delivery Tube, 300 mm

- for item nr. 3065, 3140, 3141, 3236
- mounting thread: NPT 1/8" x 27



Item #
3066



Delivery Tip for Grease Gun

- for tube BGS 3066 and all BGS grease guns
- thread: 1/8" PT



Item #
3143



7-piece Grease Gun Accessory Kit

- press-on 90° lube tool
- straight extension
- 300 mm hose extension
- slide-on 90° coupler
- rubber-tipped nozzle
- needle nozzle
- 360° coupler

Item #	PRO +
3142	



Foam Gun

- for PU foam
- adjustable foam flow
- tube length: 200 mm

Item #	PRO
3267	



Plastic Oil Can, 250 ml

- very handy oil can
- useful when cutting threads
- easy to dose

Item #	PRO
8441	



Precision Oiler

- fine control tip
- protection cap
- special "drop protect" pump head
- aluminium body
- for various applications:
automotive area, oil / atomizing, locks, model-railway,
sewing machine hinge, power machines and many other
mechanical uses

Item #	PRO +	
9985		



Front Wiper Repair Kit, VW Golf IV, Audi A3, Seat, Skoda

- for repairing rusted wiper arm shafts
- replacement of wiper arm mechanism is not required
- saves repair costs



Item #
8631



VAG Rear Window Washer System Set

- minimizes repair coast and allows professional drilling out of nozzle residues from the wiper arm shaft and of brass pipe out of wiper motors
- includes:
 - guid bushing for mounting on wiper axle
 - 3 drills, of wich 2 with guide support
 - 10 plastic pipes as brass pipe replacement
- suitable for following VAG models: VW Golf IV, Passat, Sharan, Audi A4, Ford Galaxy, Seat Alhambra



Item #
8632



Wiper Arm Puller Set

- allows trouble free disassembly of all current wiper arms
- perfect on rusty and stuck wiper arms
- helps protect nozzles inside the wiper arm by using the sliding hammer
- contains 1 sliding hammer, 1 pressure spindle, and 6 sockets
- socket 1 fits Alfa-Romeo, Audi, BMW, Citroen, Fiat, Ford, Honda, Jaguar, Mazda, MG-Rover, MB, Mitsubishi, Opel, Peugeot, Renault, Seat, Skoda, Volvo, VW, Mercedes
- socket 2 fits Alfa-Romeo, Audi, BMW, Citroen, Fiat, Ford, Honda, Hyundai, Jaguar, Land Rover, MB, Opel, Peugeot, Renault, Saab, VW, Mercedes
- socket 3 fits Alfa-Romeo, Audi, BMW, Fiat, Citroen, Ford, Mazda, MB, Mitsubishi, Opel, Peugeot, Smart, Volvo, VW
- socket 4 fits Citroen, Hyundai, MB, Opel, Mercedes
- socket 5 fits Alfa-Romeo, Audi, BMW, Jaguar, Land Rover, Mazda, MB, Volvo, VW
- socket 6 fits Citroen, Ford, Peugeot

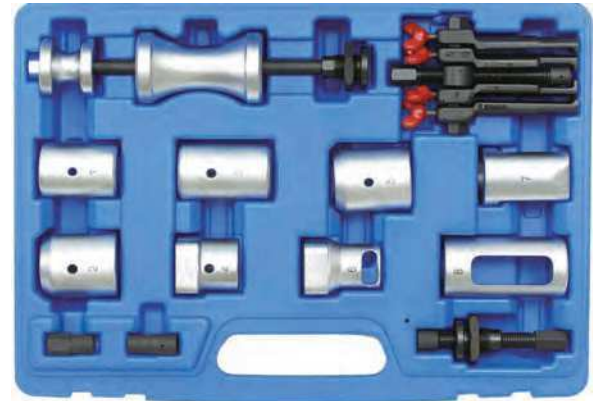


Item #
7758



13-piece Windscreen Wiper Arm Puller Set

- universal application
- with sliding hammer and ejection arbor
- 2-arm gear puller, suitable for following cars:
Audi, BMW, Chrysler-Jeep, Citroen, Fiat, Ford, Honda, Hyundai, KIA, Land Rover, Mazda, MG-Rover, Nissan, Peugeot, Porsche, VW, MAN, MB, Scania
- allows trouble free disassembly of all current wiper arms
- perfect on rusty and stuck wiper arms
- helps protect nozzles inside the wiper arm by using the sliding hammer
- contains 1 sliding hammer, 1 pressure spindle, and 8 sockets
- socket 1 fits Alfa-Romeo, Audi, BMW, Citroen, Fiat, Ford, Honda, Jaguar, Mazda, MG-Rover, MB, Mitsubishi, Opel, Peugeot, Renault, Seat, Skoda, Volvo, VW, Mercedes
- socket 2 fits Alfa-Romeo, Audi, BMW, Citroen, Fiat, Ford, Honda, Hyundai, Jaguar, Land Rover, MB, Opel, Peugeot, Renault, Saab, VW, Mercedes
- socket 3 fits Alfa-Romeo, Audi, BMW, Fiat, Citroen, Ford, Mazda, MB, Mitsubishi, Opel, Peugeot, Smart, Volvo, VW
- socket 4 fits Citroen, Hyundai, MB, Opel, Mercedes
- socket 5 fits Alfa-Romeo, Audi, BMW, Jaguar, Land Rover, Mazda, MB, Volvo, VW
- socket 6 fits Citroen, Ford, Peugeot
- socket 7 fits Audi, BMW, Land Rover
- socket 8 fits Audi, BMW, Citroen, Chevrolet, Daewoo, Daihatsu, Fiat, Ford, Land Rover, Mazda, MB, Mitsubishi, Porsche, Skoda, Smart, Suzuki, Toyota, Volvo, VW



PRO +

Item #	Description
65700	13-piece Windscreen Wiper Arm Puller Set
65700-1	Wiper-Puller with 4 Puller Legs, from Art 65700-1

Windscreen Wiper Arm Puller

- for removing the windshield wiper arms
- opening of puller fork: 16 mm
- maximum range: 24 mm



Item #
9974



Two Leg Puller for Battery Terminals and Windscreen Wiper Arms

- adjustable and suitable for most car and truck types
- adjustable puller arms 25 to 45 mm
- maximum range: 20 mm



Item #
7743



Wiper Arm Puller

- especially for removal of VAG rear wiper arms
- opening width 30-60 mm

Item #
9967



BMW Windshield Wiper Arm Remover

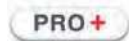
- for following BMW models:
E12, E21, E23, E24, E28, E30, E30C, E31, E32, E32/3, E34, E36, E36/2, E36/3, E36/5, E36/7, E36/C, E38, E38/3, E39, E39PL, E46, E46/16, E46/2, E46/3, E46/5, E46/C, E52, E53, E60, E 65, E66, E67, E85, RR1
- adjustable plate

Item #
9966



Wiper Arm Puller, 16-41 mm

- avoids damage of the car body and wiper arm
- fine thread
- height 85 mm
- fits BMW



Item #	Description
9965	Wiper Arm Puller, 16-41 mm
9965-1	Brass Pressure Piece for BGS 9965



Wiper Arm Puller Audi Q7, 26.5 mm

- allows an easy and damage free dismantling of wiper arms
- opening: 26.5 mm

Item #
7792



Wiper Arm Puller Audi, 15 mm

- suitable for Audi A3, A4, A5, A6
- allows a easy and damage free dismantling of wiper arms
- opening: 15 mm

Item #
7793



Wiper Arm Puller VW, Opel & Honda

- suitable for:
VW Lupo und Polo
Opel Astra G, Zaphira B, Corsa C, Vectra C
Honda Jazz, CRV, FRV and others
- allows easy and damage free dismantling of wiper arms

Item #
7794



Wiper Arm Puller BMW & VW

- suitable for:
BMW 5 series E39 and 7 series E38 until 2005
VW Golf und Passat until 2005
- allows easy and damage free dismantling of wiper arms

Item #
7795



Wiper Arm Puller Ford, Seat & Mercedes

- suitable for:
Ford Galaxy
Seat Alhambra
Mercedes A and B class from 2005
VW / Audi with internal washer nozzles
- allows easy and damage free dismantling of wiper arms
- pull depth: 45 mm

Item #
7796



Wiper Arm Puller VW & Porsche

- suitable for:
VW Touareg
Porsche Cayenne and other SUV
Ford Galaxy
Seat Alhambra
- allows easy and damage free dismantling of wiper arms
- max pulling width: 60 mm
- pulling depth: 43 mm

Item #
7797



Universal Wiper Arm Puller

- for removing of front and rear wiper arms
- brass pressure sleeve prevents damage to the thread
- 360° rotatable puller arms
- handwheel, no additional tool required
- chrome plated base, press sleeve brass made hardened spindle



Item #
7798



Door Pin Removing Tool, 370 mm long

- for assembly of heavy finish door pins (16 mm)
- this tool guarantees a quick and secure assembly of car doors



Item #
1800



Door Pin, 5x115 mm

for item 1800

Item #
1801



8-piece Door Hinge Tool Set

- especially assorted for working on VW/Mercedes-Benz/ Porsche/Audi door hinges

contents:

- 1 screwdriver T 30 (length 360 mm)
- 1 T-handle screwdriver T 20 (length 240 mm)
- 1 reversible bit ratchet (length 240 mm)
- 5 bits: T40-45, spline M4,8,10



Item #
3539



Door Hinge Mounting Tool Set

- for disassembly and assembly of door hinges, also suitable for other work in tight spaces
- includes the following bits with retaining ball: for Spline screws M8, M10 and M12, as well as for T-Star screws T30, T40, T45 and T50
- offset bit wrench
- reversible ratchet



Item #	PRO +	CV
8415		

Panel Chisel, 235 mm

- with rubber hand guard
- tip can be sharpened
- 26 mm wide
- extra thin material



Item #	PRO +	CRO MO
1640		

3-piece Body Cutting Chisel Set

- with handle for safe and fatigue-free working
- flat chisel with oval surface
- 15 ° angled chisel with oval surface
- 90 ° angled chisel with oval surface
- regrindable surface
- hardened special steel



Item #	Description
1690	3-piece Body Cutting Chisel Set
1691	Body Cutting Chisel, straight
1692	Body Cutting Chisel, angled 15°
1693	Body Cutting Chisel, angled 90°

Hand Grinder, 105x210 mm

- with metal grip pins in each end
- for sanding paper



Item #	PRO
1638	

Air Inflating Pillow

- for spreading e.g. door frames for emergency opening or repairs
- hand pump and valve included
- dimensions: 160 x 160 mm
- thickness: 2 mm (airless), 70 mm (inflated)



Item #
3544



5-piece Air Inflating Pillow Set

- for spreading e.g. door frames for emergency opening
- hand pump with valve



Item #
3547



Door Handle Tool for Renault Megane, Scenic

- for disassembly / assembly of front door locks
- disassembly of the door panel is not necessary
- suitable for Renault Megane and Scenic
- length: 165 mm



Item #
8816



Door Adjusting Tool

- for cars and small trucks
- 660 mm length



Item #
3538



Door Adjusting Lever

- for adjusting the side door gap dimensions of passenger cars, vans and trunk lids of hatchback cars
- made of special steel
- incl. locking pins in different sizes (storage space in handle)
- chrome plated

Item #
3548



Vacuum Dent Repair Kit with Slide Hammer (with Hand Pump)

- when using the pump the hammer creates a vacuum and causes the vacuum pad firmly holds on to the body
- dents can now easily be removed by working the sliding hammer
- independent of compressed air systems
- 3 replaceable strainers: Ø 70 mm, Ø 100 mm, Ø 125 mm

Item #
8703



Pneumatic Dent Hammer 1.4 kg

After connecting the dent hammer to an air supply, the hammer creates a vacuum and sucks firmly to the body
 -> dents can now easily be removed by working the sliding hammer

- 3 replaceable strainers: Ø 60 mm, 120 mm, 160 mm
- 1500 g sliding hammer weight
- 1/4" air connection
- length: approx. 620 mm
- suction heads also available separately

For best results even with the smallest adaptor an air pressure of at least 150 PSI is required !



Item #	Description
68000	Pneumatic Dent Hammer 1.4 kg
68000-60	Suction Head 60 mm ø, for BGS 68000
68000-120	Suction Head 120 mm ø, for BGS 68000
68000-160	Suction Head 160 mm ø, for BGS 68000
68000-1	Replacement Hose with Valve for BGS 68000
68000-2	Ball Valve for Item 68000



Body Repair and Wiper Arm Tools

Professional Dent Repair Kit

- suitable for repair of minor dents
- painting and filling work are unnecessary
- no color differences
- reduces time and cost
- includes:
 - 9 dent pads in various sizes and shapes
 - special adhesive glue sticks with very good performance for best results
 - sliding hammer to pull out hard dents
 - pulling unit with rubberized feet for slight dents on flat surfaces
 - plastic scraper for gentle removal of dent pads

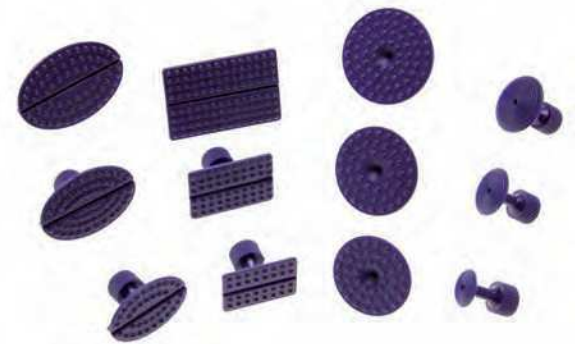


PRO+ CE

Item #	Description
865	Professional Dent Repair Kit
865-3	Sliding Hammer from BGS 865
865-1	Extractor from BGS 865
866	Replacement Dent Pads for BGS 865
867	10 pcs. Special Glue Stick for BGS 865, 8057
865-2	Spray bottle from BGS 865

Dent Repair Pads for BGS 865, 12 pieces

- includes the following pads:
 - round, adhesive surface convex, Ø 15, 20, 25 mm
 - round, adhesive surface straight, Ø 32, 36, 42 mm
 - oval, adhesive surface straight, 23x34, 28x41, 33x48 mm
 - rectangle, adhesive surface straight, 20x30, 23x35, 32x49 mm
- also suitable for BGS 865-6 and 865-7



Item # 874 PRO+

Yellow Reflectorboard for Smart Repair

- board size 200 x 240 mm
- 350 mm articulated arm with 70 mm suction cup



Item # 865-4 PRO+

White Reflectorboard for Smart Repair

- board size 200 x 240 mm
- 350 mm articulated arm with 70 mm suction cup



Item # 865-5 PRO+

Dent Repair Sliding Hammer Set

- 460 mm sliding hammer with adapter head for pads
- adapter head thread: M12x1.75
- material: aluminum
- includes the following pads:
 - round, adhesive surface convex, Ø 15, 20, 25 mm
 - round, adhesive surface straight, Ø 32, 36, 42 mm
 - oval, adhesive surface straight, 23x34, 28x41, 33x48 mm
 - rectangle, adhesive surface straight, 20x30, 23x35, 32x49 mm



Item #
865-6



Dent Repair Handle

- for removing dents
- suitable for dent repair pads BGS 874

Item #
865-7



3-piece Gap Gauges

- useful for body work such as fitting doors, fenders and other body parts
- includes 3 gauges with 10 gauge blades each, 1 mm thickness



Item #
8763



Dent Removal Pen

- for pushing out small dents, e.g. hail damage, etc.
- made of plastic, front rounded

Item #
8684



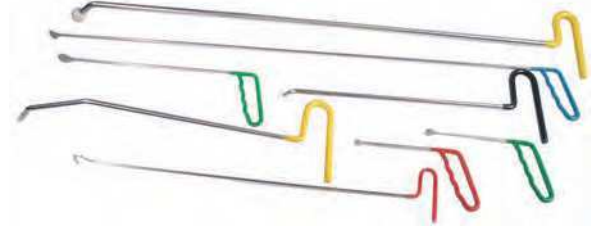
8-piece Dent Removal Tool

- for the removal of dents in a car's body without damaging the finish
- ideal for removing small dents and damaging caused by hail

various types:

- 2 half-round bars 21 & 22 cm
- 1 round bar 42 cm
- 1 half-round pointed bar 60 cm
- 2 angled ball-headed bars 46 & 100 cm
- 1 pointed bar 56 cm
- 1 special-type hooked bar 107 cm

Delivered in a handy carrying case



PRO +

Item #	Description
1659	8-piece Dent Removal Tool
1659-KÖPFE	3 Replacement Plastic Heads for Dent Removal Tool BGS 1659

30-piece Dent Repair Kit

- for repairing of dents e.g. hail damages, door bumps, etc.
- allows repair of dents without painting
- no need to disassemble car body parts
- disassembly of panels is rarely necessary
- repair costs can be kept low, no painting cost
- set consists of all bumping tools needed in various lengths and shapes
- made of stainless and carbon steel
- also contains air inflating pillow, trim strip wedge and other parts



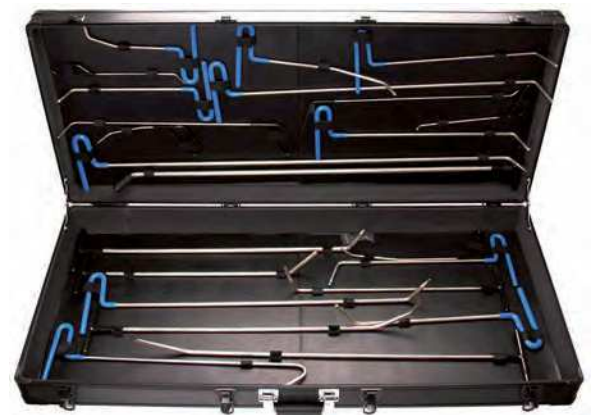
Item #

1639

PRO +

23-piece Denting Iron Set

- suitable for professional "denting doctors"
- includes irons with round, flat, point and ball heads
- made of 5 to 14 mm round stainless steel
- 45° up to 135° bent heads
- length: 250 mm to 1150 mm
- dip coated handles
- in aluminum transport case with Velcro® strip holders for denting iron



Item #

1642

PRO +

10-piece Hook Set for Dent Repair Rods

- for supporting of dent rods
- can be used with BGS 1639, 1642 and 1659
- material: Inox

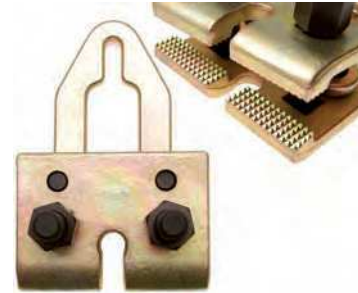


Item #
8713



Claw for Car Body Alignment, 120 mm, one direction of pull, up to 5 T

- claw width: approx. 120 mm with 15 mm center opening
- clamping depth: approx. 32 mm
- length: approx. 180 mm



Item #
2901



Claw for Car Body Alignment, 45 mm, one direction of pull, up to 5 to.

- claw width: 45 mm
- clamping depth: 40 mm
- length: 230 mm
- holding power of the claw is automatical higher when pulling
- 35 x 40 mm eyelet opening



Item #
2902



Claw for Car Body Alignment, 35 mm, one direction of pull, up to 3 to.

- claw width: 35 mm
- clamping depth: 60 mm
- length: 220 mm
- holding power of the claw is automatical higher when pulling
- 35 x 40 mm eyelet opening



Item #
2903



Claw for Car Body Alignment, 43 mm, one direction of pull, up to 5 to.

- claw width: 43 mm
- clamping depth: 30 mm
- length: 210 mm
- holding power of the claw is automatical higher when pulling
- 35 x 40 mm eyelet opening



Item #
2905



Claw for Car Body Alignment, 120 mm, two directions of pull, 5 to. (side 3 to.)

- claw width: 120 mm with 15 mm center opening
- clamping depth: 32 mm
- length: 180 mm



Item #
2900



Claw for Car Body Alignment, 43 mm, one direction of pull, 5 to. (side 2 to.)

- claw width: 43 mm
- clamping depth: 30 mm
- length: 210 mm
- holding power of the claw is automatical higher when pulling
- 35 x 40 mm draw eyelet



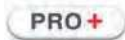
Item #
2904



Body and Fender Repair Kit, hydraulic, 4 TO

- for special operations on car bodies and fenders
- maximum pressure: 4 tons
- many accessories

Packed in metal case (as displayed)



Item #	Description
1688	Body and Fender Repair Kit, hydraulic, 4 TO
1688-1	Hydraulic Pump 4 to. for BGS 1688
1688-2	Hydraulic pump kit 1688
1688-3	Spreader from BGS 1688
1688-4	Rubber Pressure Head from BGS 1688
1689-3	4t. Spreader from BGS 1688, 1689

Body and Fender Repair Kit, hydraulic, 10 TO

- for special operations on car bodies and fenders
- maximum pressure: 10 tons
- many accessories

Packed in carrying case with wheels



PRO +

Item #	Description
1689	Body and Fender Repair Kit, hydraulic, 10 TO
1689-1	Hydraulic Pump 10 to. for BGS 1689
1689-2	Hydraulic pump kit 1689

Ball Pein Hammers

- special dent removal head shape
- fibre glass handle
- with rounded cross and rounded peen

PRO +

Item #	Description
3870	Ball Pein Hammer, 225 g
3871	Ball Pein Hammer, 450 g
3872	Ball Pein Hammer, 700 g
3873	Ball Pein Hammer, 900 g



Car Body Repair Hammer, 225 g, Ø 38 mm

- chequered hammer face for removing dents without distortion
- hickory shaft
- length 310 mm

Item #
1675

PRO + CRO MO



Bumping Hammer, 225 g, Serration Pattern

- for removing dents without distortion
- 3-piece hammer face , flexible

Item #
1676

PRO +



7-piece Body Repair Set

- heavy duty hickory handles
- 3 panel beating hammers
- 4 panel irons

In carrying case



Item #
1672



10-piece Expert Body Repair Set

- 1 hammer with 9 interchangeable panel beating instruments, round, pointed & flat
- hardened bumping heads
- with quick joint



Item #
1679



Panel Beating Iron 3 in 1

- ideal for dent removal



Item #
1685



Body File Frame

- for 350 mm files, sold **without file**
- aluminium diecast



Item #
3216



Body Files for Item# 3216

- different shapes (see below)

PRO +

Item #	Description
3217	Body File, 350x35x4 mm, halfround shaped, rough
3217-1	Body File, 350x35x4 mm, radial shaped, fine
3217-2	Body File, 350x35x4 mm, angular shaped, rough
3217-3	Body File, 350x35x4 mm, angular shaped, fine



Contour Gauge, Length 260 mm

- ideal for trimming tiles, carpet, linoleum, etc.
- useful for operations on car bodies, for carpenters and for modelling
- max. measuring depth: 30 mm
- max. measuring width: 260 mm
- overall width: 282 mm
- with 4 holding magnet

Item #
8025



Contour Gauge, Pin Type, Length 125 mm

- metal made

Item #
8149



Fender Flaring Tool

- for expanding the fender size
- is often required when lowering the vehicle and changing the wheel-tire combination
- telescopic boom arm with 180° swiveling pressure roller
- suitable for mounting on 4- and 5- bolt wheel hubs
- fits on cars with pitch circle diameters from 95 to 120 mm
- weight: 7500g

Item #
3525



Flaring Pliers, 310 mm

- for edge coiling of sharp fender inner edges, preventing damage to tires when cushioning
- jaw protectors for smooth application
- is required for e.g. lowered vehicles or when changing the wheel / tire combination
- a dismantling of wheels can be omitted in most cases

Item #
8682



Combination Edge Setter and Folding Pliers, straight

- length 280 mm
- maximum jaw width 60 mm
- PVC dipped handles

Item #
6160



Combination Edge Setter and Folding Pliers, 45° OffSet

- length 280 mm
- maximum jaw width 60 mm
- PVC dipped handles

Item #
6161



Combination Edge Setter and Folding Pliers, 90° OffSet

- length 280 mm
- maximum jaw width 60 mm
- PVC dipped handles

Item #
6162



600 mm Folding Bench

- for folding of metal sheets up to 600 mm width and 1.2 mm thickness
- support for mounting in a bench vice

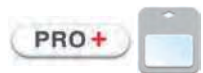


Item #
8687



Fork Type Separators

- manufactured from hardened carbon steel
- zinc coated
- for a quick and secure separation of tie rod ends, pitman arms etc.



Item #	Description
1805	Fork Type Separator, 390 mm, 16 mm Jaw Opening
1809	Fork Type Separator, 200 mm, 18 mm Jaw Opening
1808	Fork Type Separator, 295 mm, 23 mm Jaw Opening



Adjustable Fork Type Splitter, 18-42 mm

- knurled and black finish handle, satin chrome plated fork
- opening width 18-42 mm
- for separating ball joints, tie rods etc.

Item #
65550



Fork Sledgehammer with 3 Splitting Prongs

- for splitting of ball joints
- length 720 mm
- 3 exchangeable splitting prongs
- inner width 16 mm, 24 mm, 28 mm



Item #
1720



5-piece Fork Type Separator Set

- jaw opening approx. 17,4 - 23,8 - 28,5mm
- manufactured from forged carbon steel,
- handle for manual use
- adaptor for air hammer use (10 mm)



Item #
1806



5-piece Fork Type Separator Set

- forged jaws

- length 300 mm - jaw opening 24.5 mm
- length 300 mm - jaw opening 29 mm
- length 300 mm - jaw opening 35 mm
- length 300 mm - jaw opening 42 mm
- length 400 mm - jaw opening 18 mm



Item #
63800



Ball Joint Separator Fork Set

- for separation of ball joints
- includes 5 separator forks
- fork opening: 20 - 24 - 30 - 35 - 42 mm
- suitable for air impact hammers
- shaft diameter: 10 mm
- length: 180 mm



Item #
8894



Ball Joint Tools

Universal Ball Joint Puller

- for ALL type of cars for removing bearings
- adjustable jaw: up to 50 mm
- 20 mm jaw opening

Item #
1804



Ball Joint Separator, Capacity up to 50 mm

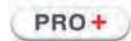
- forged
- 19 mm jaw opening

Item #
1807



Ball Joint Separator, 20-22 mm

- satin chrome plated
- forged
- jaw 20-22mm
- jaw range in two positions adjustable: up to 30 and 55 mm
- for separating ball joints



Item #	Description
1795	Ball Joint Separator, 20-22 mm
1795-1	Replacement Spindle for Ball Joint BGS 1795



Ball Joint Puller, extra large

- designed for working on trucks
- forged, variously applicable
- 20 mm fork opening
- 32 mm max. width
- 270 mm length

Item #
1802



Universal Ball Joint Extractor, 50 - 80 mm

- adjustable in 2 steps
- suitable for cars, vans and pickup trucks
- heavy duty finish, 1560 g
- opening width 21 mm
- for use with 17 mm hexagon socket

Item #
8410



Universal Ball Joint Extractor, 30 mm

- heavy duty finish with milled jaws, 2900 g
- spindle with ball tip
- for removal of ball joints on cars, SUV and vans
- 30 mm fork opening
- 52 mm maximum opening width
- suitable for operation with impact wrenches
- can be used with 22 mm hexagon socket
- heavy duty thread
- dimensions: (LxWxH) 190 x 150 x 43 mm

Item #
8411



Ball Joint Separator, 8T hydraulic

- gives you a higher separating pressure, especially under narrow space conditions
- 23 mm fork opening, spreads up to 56 mm

Item #
8528



Ball Joint Separator, opening adjustable 20 - 30 mm

- for removal of e.g. suspension ball joints, tie rod joints, etc.
- this tool is made from special chrome molybdenum / S45C steel for max torque, chrome plated finish
- adjustable jaw width up to 70 mm
- jaw opening: 20 - 30mm

Item #
8541



7-piece Ball Joint Remover Set

- allows disassembly of ball joints in various sizes
- suitable for cars, light trucks and SUVs
- 5 interchangeable forks 20 - 22 - 24 - 27 and 30 mm
- max. extractor width 125 mm
- heavy duty

Item #
1790



Ball Joint Separator

- forged carbon steel

PRO +

Item #	Description
1796	Ball Joint Separator, 23 mm
1797	Ball Joint Separator, 29 mm



Ball Joint Puller, 18 mm Jaw Opening

- forged
- zinc coated

Item #	1803
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3-piece Ball Joint Shifter Set, 23-28-34 mm

- for shifting/pushing the ball joint out of axle legs, drop arms, stabiliser
- especially for working in narrow spaces
- suitable only for working on closed joints or joints with centre hole
- sizes: 23x55, 28x55, 34x63 mm

Item #	1813
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Ball Joint Shifters

- for shifting/pushing the ball joint out of axle legs, drop arms, stabilisers
- especially for working in narrow space
- suitable only for working on closed joints or joints with centre hole

PRO +

Item #	Description
1813-23	Ball Joint Shifter, 23 mm Jaw
1813-28	Ball Joint Shifter, 28 mm Jaw
1813-34	Ball Joint Shifter, 34 mm Jaw



Pick-up Truck & Bus Ball Joint Extractors

- suitable for cars, light trucks and SUV
- solid execution for long product life time
- hardened pressure spindle and centering tip

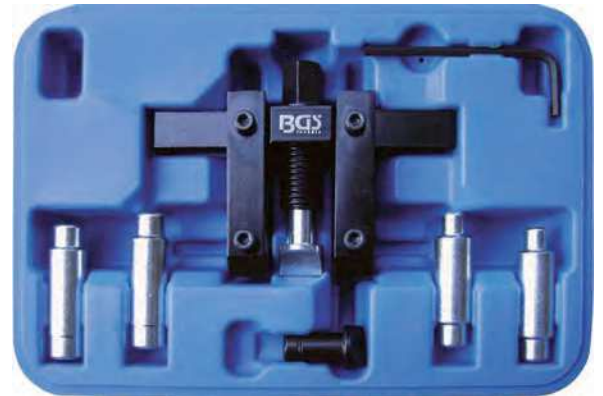
PRO +

Item #	Description
67216	Ball Joint Extractor, 23 mm
67213	Pick-up Truck & Bus Ball Joint Extractor, 30 mm
67214	Pick-up Truck & Bus Ball Joint Extractor, 32 mm
67215	Pick-up Truck & Bus Ball Joint Extractor, 39 mm
67218	Ball Joint Extractor, 62 mm



7-piece Universal Steering Knuckle Set

- for spreading open the shock absorber
- with 2 exchangeable spreading inserts (5 and 8 mm depth) and 8, 10, 12 mm guide pins
- e.g. for the shock absorber reception in the wheel bearing housing when changing the damper, for wishbone ball joint reception when disassembling the suspension strut
- slipping off is avoided by strong guiding bolts that are stuck in the screw holes
- a spindle with 13 mm outer hex pushes the spreader in the opening, no need to use a hammer
- material fatigue and breakage esp. of aluminum parts is avoided



Item #
65592

PRO +

VW T4 Supporting Joint Tool Set

- suitable for VW T4 front axle
- for professional assembly and disassembly of the upper supporting joints
- hardened spindle with 24 mm hex drive
- 3 different pressure plates
- incl. 2 reducing forks with locking function



Item #
8231

PRO +

Ball Joint Assembly and Disassembly Tool

- facilitates assembly and disassembly
- suitable for Mercedes 220 / 211 / 230 series
- heavy duty type
- 185 mm compression spindle with 24 mm hex drive
- 163 mm max. opening of the c-shaped frame
- 2 compression heads 40 mm and 54 mm
- 3 pressure pads 22 mm, 33 mm and 57 mm



Item #
8293



Mercedes Pressure Piece Ball Joint Tool Set for BGS 8293

- this extension tool allows a disassembly and assembly of the ball joints
- suitable for Mercedes W211, W220, W230
- to be used as OEM 2113230068
- material: S45C steel
- works with BGS 8293



Item #
8293-1



Suspension Ball Joint Tool for BMW 3-series

- for installing / removing the ball joints on BMW E36 series
- exchangeable yokes for multi-purpose use
- can also be used for hydro and plastic bushes



Item #
8482



Pin Wrench for Suspension Joints, Citroen / Peugeot

12.5 \square 1/2

- for loosening / tightening of suspension joints
- suitable for models:
Citroen BX (9/82-94), C5, Xantia
Peugeot 305 (7/82-90), 405 (6/87-), 406, 605, 607 etc.



Item #
5422



Ball Joint Puller for Mercedes Benz

- for removal and installation of lower ball joints on the wishbone
- suitable for Mercedes Benz models W124, W129, W201
- consisting of pressure frame, disassembly and assembly pressure piece and reducer ring
- allows a much easier renewing of ball joints
- spindle with 6-pt. drive



Item #
8781



Clutch Aligning Punch

- for centring the clutch disk in cars without clutch pilot bearing



Item #
1710



17-piece Clutch Aligning Set

- 8 conical centering bushes for clutch discs with hole sizes 14,5 to 25,5 mm
- 8 adapters for centering the crankshaft in sizes 10,8-12,2-13,5-14,7-15,8-17,1-18,3 and 19,9 mm
- 145 mm centering shaft



Item #
1712



Clutch Aligner Tool Set

- for centering of clutch discs on cars with and without pilot bearings
- suitable for cars, SUV and small trucks with front, rear and 4-wheel drive
- spindle guide: 55 mm length 15 mm x 1.5 thread
mandrel range: 15 mm to 19 mm
- spindle guide: 100 mm length 15 mm x 1.5 thread
mandrel range: 19.5 mm to 26 mm
- spindle guide: 150 mm length 15 mm x 1.5 thread
for small and large cone
- small cone adaptor, spindle inner thread: M15 x 1.5
range: 19 - 30 mm, inner diameter: 20 mm
suitable for 55 mm spindle guide
- large cone adapter, spindle inner thread: M15 x 1.5
range: 26 - 35 mm, inner diameter: 27 mm
suitable for 100 mm spindle guide
- dual disc adapter height: 30 mm
cone side: 29 - 49 mm
plate side: 49 - 69 mm, for clutches without pilot bearing
- pilot adapter Ø 10 - 12 - 14 - 15 - 16 - 17 - 19 - 25 - 27 mm,
for clutches with pilot bearing



Item #	PRO +
8760	

2-piece Clutch Aligning Set

- In 2 sizes: 15-19 mm and 20-26.6 mm
- for perfect centering of the clutch



Item #	PRO +
1709	

Clutch Aligner Tool

- for clutch discs with 15 to 28 mm clutch hub
- allows an accurate centering of the clutch disc on vehicles with or without pilot bearing
- alignment according to friction surface of the clutch pressure plate
- suitable for most vehicles
- centering sleeve Ø: 12, 14, 15, 16, 17, 18 & 19 mm



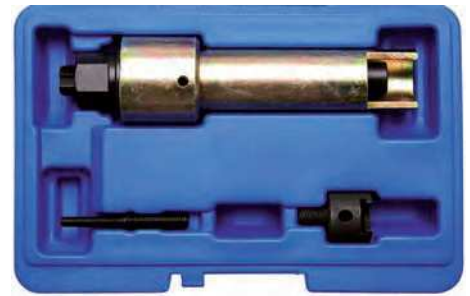
Item #	PRO +
1708	

Clutch

Release Shaft / Guide Rail Bolt Puller

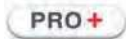
- suitable for the following work
- extracting the clutch release shaft on Fiat Ducato (1994) with pulling clutch
- extracting the chain guide rail bolt on BMW and Mercedes engines
- includes puller body with M8x1,25 internal spindle thread, pull clamp for clutch release shaft M6x1.0 (M8x1,25) bolts for removing the guide rail bolt

Item #
8520



Duplex Clutch Repair Kit for VAG DSG Transmission

- needed for repair of the clutch unit
- suitable for the following vehicles:
VW Golf 2004 >, Golf Plus 2005 > with 7-speed gearbox (code 0AM)
Audi A3 2004 > with 7-speed gearbox (code 0AM)
- consists of following tools:
support bridge to be used as OEM T10323
puller to be used as OEM T10373
final dimension to be used as OEM T10374



Item #	Description
8320	Duplex Clutch Repair Kit for VAG DSG Transmission
8320-1	Pressure Piece from BGS 8320



Special Tool for BMW SAC Clutch

- necessary for pre-tensioning self adjusting clutches before removal or installation
- prevents plate distortion which may prevent the clutch from disengaging or cause dragging
- suitable for BMW series, E34 E36, E38, E39, E46, E52, E53, E60, E61, E81, E83, E85, E86, E87, E88, E90 and E91
- equivalent to OEM 212170

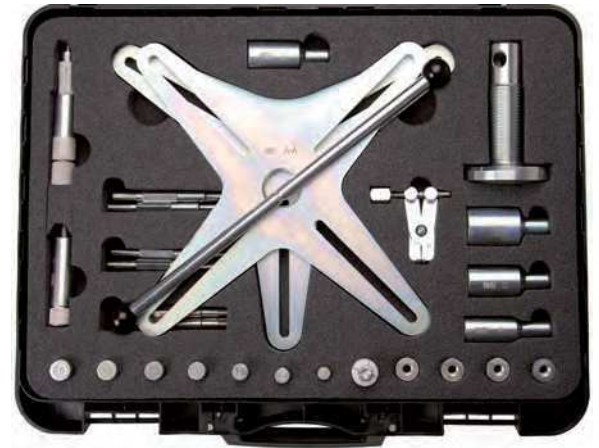
Item #
8284



SAC Clutch Tool Set

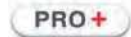
- for fast and professional disassembly and assembly of SAC clutches
- fits on nearly all SAC clutches with 3- and 4-hole pitch from VAG, MB, Opel, Volvo, Renault etc. e.g. on models:
Audi A3, A4, A6, A8
VW Passat, Golf, Sharan, Tiguan
Ford Mondeo, S-Max, Galaxy, Transit
Mercedes C, E, CLS, S, CLK, SLK, SL
BMW 320, 330, 520, 530
Alfa Romeo 147, 159, 166
Fiat Ulysse, Croma, Ducato
Lancia Phedra, Thesis

Item #
8286



Refractometer

- optical tester with various functions:
 - density of battery acid
 - coolant water balance (subdivides into ethylene and propylene)
 - adjustable ocular
 - precision +/- 5%



Item #	Description
1824	Refractometer
1824-1	Replacement Flap for Refractometer BGS 1824



6-piece Cooling System Bleeding and Filling Tool

- for the straight forward bubble-free filling of coolant systems, at the same time testing for leaks by negative pressure
- universal version with quick-action coupling
- gauge with rubber protection (tolerance +/-2%)
- rubber head adjusts to nearly all car types
- cone adapter diameter: 15 - 44 mm

Item #
1773



14-piece Radiator Pressure Test Kit

- suitable for all standard vehicles
- testing range 0-2,5 bar

PRO +

Item #	Description
8027	14-piece Radiator Pressure Test Kit
8027-1	Pump for Radiator Pressure Test Kit Item 8027/8098
8027-2	Thermometer with Sensor for Art. 8027/8098
8027-3	Adaptor No.3 for Art.8027/8098:Mercedes and other models
8027-4	Adaptor No. 4 for Art. 8027/8098:Toyota, Mazda, Honda and other models
8027-5	Adaptor No. 5 for Art. 8027/8098:Toyota, Mitsubishi and other models
8027-6	Adaptor No. 6 for Art. 8027/8098:Ford, Mercedes, Porsche and other models
8027-7	Adaptor No. 7 for Art. 8027/8098:Renault, Saab and other models
8027-8	Adaptor No.8 for Art. 8027: VW (Vento, T4, Passat-1996, Golf, Beetle, Sharan)
8027-9	Adaptor No.9 for Art. 8027/8098:Audi, BMW345, VW Passat, Porsche Cayenne
8027-10	Adaptor No.10 for Art. 8027/8098:BMW (E46,E36,E34,E39,E38,E32,E90)
8027-11	Adaptor No.11 for Art.8027/8098:Audi, VW
8027-12	Adaptor No. 12 for Art. 8027/8098:Land Rover, Opel
8027-13	Adaptor No.13 for Art.8027/8098:Mercedes (M-, C-, E-, S-Class)
8027-14	Adaptor No.14 for Art. 8027/8098:Ford Mondeo, Focus, C-Max 03
8027-15	Adaptor No.15 for Art.8027/8098:Ford, Mazda
8027-16	Adaptor No.16 for Art.8027/8098:Mercedes A-Class
8027-17	Adaptor No.17 for Art.8027/8098:BMW E60, E63, E64, E65
8027-18	Adaptor No.18 for Art.8027/8098:VW Sharan 1.8T / 2.8
8027-19	Adaptor No.19 for Art.8027/8098:Toyota
8027-21	Adaptor No.21 for Art.8027/8098:Opel Astra J + Zafira C
8027-22	Adaptor 22, BMW Mini 2008-, for BGS 8298 / 8027
8027-30	Connector R123/R124 for Art. 8027/8098, black
8027-31	Connector R123/R125 for Art. 8027/8098, blue
8027-32	Plastic Wrench for Art. 8027/8098
8027-33	Hose for Radiator Pressure Test Kit Item 8027/8098



24-piece Radiator Pressure and Cooling System Tester

- suitable for all standard vehicles
- testing range 0-2,5 bar
- same parts as in Art. 8027 and **additionally** adaptors for following cars:
 - Mercedes A class
 - BMW E60, E63, E64, E65
 - VW Sharan 1.8, 2.8
 - Toyota RAV 4, Previa
- **also contains an additional alternator maintenance kit for cleaning the alternator and refilling cooling liquid**



PRO +

Item #	Description
8098	24-piece Radiator Pressure and Cooling System Tester
8098-1	Cooling System Charger
8098-2	Rubber Adapter for BGS 8098
8098-3	Replacement Hose for BGS 8098
8098-20	Adaptor 20, Saab Ecopower, for BGS 8298 / 8027
8098-21	Adaptor 21, Saab, Fiat, Opel, for BGS 8298 / 8027
8098-22	Adaptor 22, BMW, for BGS 8298 / 8027

Cooling System

5-piece Universal Radiator Test Set

- for pressure tests of cooling systems
- 4 expanding cone adapters
- suitable for most vehicles
- dimensions of the cone adapters (in mm):

	min.	max.	height
	17,0	37,0	64,0
	28,5	41,0	74,5
	37,0	50,0	74,5
	47,0	60,0	74,5
- pump with color-coded gauge 0-2.4 bar (0-35 psi), quick coupler and pressure release valve

Item #
8096

PRO +



9-piece Truck Cooling System Tester

- with pump and 7 adaptors
- fits on following truck models:
- DAF-XF 95, XF 105
- Scania-113, -114, -124 und -125
- Volvo-FH 12
- Iveco-Daily 2000 C-Series, Renault-Magnum
- MAN-L 2000, -TGA
- MB-Actros, -Atego, Axor, -ECO 8401, 1728, MAN- F 90, -F 2000, Iveco-EURO-Star, -EURO-Tech, Euro-Truck, Strahlis
- MB-Sprinter

PRO +



Item #	Description
8514	9-piece Truck Cooling System Tester
8514-1	Adaptor Hose from BGS 8514
8514-2	Pressure Pump with Gauge from BGS 8514
8514-3	Adaptor Scania 113, 114, 124, 125
8514-4	Adaptor DAF-XF 95, XF 105
8514-5	Adaptor MB Actros, Atego, Axor, ECO 8401, LKW 1728, MAN F90, F2000, Iveco Euro Star, Euro Tech
8514-6	Adaptor Iveco LKW Daily 2000, C-Serie
8514-7	Adaptor MAN L 2000, TGF
8514-8	Adaptor Volvo FH 12
8514-9	Adaptor Mercedes Benz Sprinter bis 2006

Universal Cooling System Test Adapter

- for quick adaptation
- spreading rubber suitable for 30 - 35 mm openings including 3 rubber adapter rings for 35-40, 40-45, and 45-50 mm openings
- fits on BGS 8027, 8027-1 and 8098
- made of anodized aluminum

PRO +



Item #	Description
8599	Universal Cooling System Test Adapter, 30 - 50 mm
8599-1	35-40 mm Rubber for Universal Cooling System Test Adapter
8599-2	40-45 mm Rubber for Universal Cooling System Test Adapter
8599-3	45-50 mm Rubber for Universal Cooling System Test Adapter

7-piece Universal Coolant Filling Set

- quick, clean and easy way to fill cooling system during the bleeding process
- versatile, suitable for many reservoir types
- with shut-off valve
- adapter Ø 31 - 35 - 40 and 45 mm



Item #
8627

PRO +

LED Pen with 6 LEDs

- 6 bright LEDs
- particularly useful due small dimensions
- fits in any pocket and is therefore always available
- with clip
- dimensions: 158 x 33,5 x 16,5 mm
- battery: 1.5V AAA, 3 pieces included

Item #
8491



2-IN-1 Extendable LED Flashlight with Magnetic Pick Up Tool

- 170 to 545 mm extendable telescopic magnetic lifter with flexible gooseneck for lifting metal objects like screws, tools, coins etc.
- 3 energy-efficient, durable and bright LED
- aluminum housing with mounting clip
- magnetic holding force 1kg
- diameter: 25 mm
- includes 4 LR44 batteries

Item #
9303



36+1-LED Working Lamp with Carry Strap

- very handy and fits into any small pocket
- always ready for quick checks
- very good lighting by 36 bright LED's and reflector LED in the lamp head
- with magnet and strap
- dimensions: 225 x (oval 30 x 35) mm

Item #
8455



COB LED Working Light

- with the latest COB LED technology
- COB = chip on board
- 4x brighter than standard LED lamps
- perfectly even and bright light
- with hanging hook
- comfortable swivel anti-slip handle
- Lithium-Ion battery, 3.7V / 2200 mAh, for faster charging
- incl. AC main charger and 12V adaptor cable
- dimensions: 182 x 55 x 35 mm

Item #
85317



COB LED Workshop Lamp with magnet and hook

- with the newest COB LED light strip technology for bright light
- designed for the professional user
- rechargeable battery
- in 9 positions by 180° adjustable magnetic feet
- 2 magnets on the back
- 2 folding hooks
- dimensions: L280 x W62 x D43 mm
- incl. battery charger
- battery: rechargeable Lithium 3.7V / 2000mAh
- LED type: 3W COB LED
- brightness: 250 LM
- working time: approx. 2.5 hours
- IP20 waterproofed



Item #
85316



COB-LED Work Handlamp, ultra flat type

- reflector with 7 COB LED units
- micro USB charging socket
- charging indicator LED
- battery: Rechargeable Lithium 3.7V / 2200mAh
- LED Type: 0.5W white (5700K)
- brightness: 250 lux at 0.5m distance (222 lumens)
- rated LED Life: 80,000 hours
- charging time: approx. 3 hours
- working time: approx. 5.5 hours
- length: 360 mm

- comes with
- COB LED Hand lamp
- charging adapter AC 230V / DC 5V(1A)
- USB to micro USB charging cable, 1 m
- magnetic holder



Item #
85318



Rechargeable 60 LED Light

- helpful, cordless inspection and work light
- 60 super bright and energy-saving LED bulbs
- brightness: 150 lumens
- magnetic holder & swivel hook
- rechargeable battery (4 hour run-time)
- 230 V standard & 12 V car charger



Item #
85300



Hand Lamp, 11W, 220V

- very rugged hand lamp with 2 neon tubes
- protection class IP54, protected against splashing water
- equipped with 5m neoprene cable and metal hook

Item #
9704



Energy Saving Work Light, 38 Watt

- with 1 VDE socket on the backside (max. 3600 Watt)
- dimensions: 27 x 27.5 x 13 cm (L x W x H)
- 1,8 m cable (H07RN-F 3G1.5mm²) with VDE plug
- splash protected
- adjustable stand and handle



Item #	Description
85320	Energy Saving Work Light, 38 Watt
85325	Spare Bulb (38W GR10q) for Art. 85320



4-Foot Stand for Art. 85320

- extendable from 162 - 265 cm



Item #	Description
85330	4-Foot Stand for Art. 85320



Under Bonnet Working Lamp

- with fluorescent tube type T8, 30 watt (890 mm)
- with **telescopic bar**, extends 110 to 190 cm
- 360° swivel hook
- extra long power cord: 4.5 m (230 V)



PRO+ CE

Item #	Description
85305	Under Bonnet Working Lamp
85305-1	Replacement Tube, 30W / 230V for BGS 85305

Clamping Screw Remover for Air Hammers, 6 mm

- for removing of e.g. ball joint clamp bolts
- to be used with air hammer (e.g. BGS 3515)
- 6 mm remover, length 105 mm
- 10 mm round shank
- total length: 190 mm



Item # 8787 PRO+

Clamping Screw Remover for VAG 4-Wishbone Axles

- for extraction of clamping screws as on four-wishbone front axles, Audi A4, A6 and VW Passat
- to be used with e.g. air hammer BGS 3515
- 10 mm round shank



Item # 8792 PRO+

Steering Tool Set

- allows easy mounting of rubber bearings and bushings
- suitable for most cars, SUV, Pick Ups, etc.
- contents:
 - 10t hydraulic cylinder
 - 2 pointed bushes, length: 28 mm and 95 mm
 - 4 pulling spindles, M10x1.5 - M12x1.75 - M14x2.0 - M16x2.0
 - 22 short bushes, length: 40mm
 - 22 long bushes, length: 110mm
- Dimensions of the bushings (O.D. x I.D.)
 - 26x18, 28x20, 30x22, 32x24, 34x26, 36x28
 - 38x30, 40x32, 42x34, 44x36, 46x38, 48x40
 - 50x42, 52x44, 54x46, 56x48, 58x50, 60x52
 - 62x54, 64x56, 66x58 und 68x60 mm



Item # 8683 PRO+

Camber Adjusting Tool

- allows one-person adjusting
- reduces the required time
- pressure width 135 to 175 mm
- 22 mm 6-edge spindle
- 3 spindle lengths for a wide range of applications
 - 75 mm for Seat Toledo - VW Jetta, Golf, etc.
 - 85 mm for Seat Cordoba - VW Polo 95>
 - 115 mm for Chrysler Voyager, etc.

Item #
8700



4-piece VW / Audi Subframe Locating Pin Set

- for precisely aligned mounting of the subframe
- needed e.g. for replacing the rubber bushings and all jobs for which the auxiliary frame (subframe) is removed
- suitable for:
 - VW Scirocco (09), EOS (06), Golf (09), Golf Plus (05), Jetta (04-06), Polo (02), Fox (06), Passat (06), Passat CL (09), Audi A3 (04) and Audi A3 (04), TT (07), A4 (01)
- to be used as OEM T10096

Item #
8306



4-piece Subframe Positioning Bolt Set for VW T5

- for precisely aligned mounting of the subframe
- needed e.g. for replacing the rubber bushings and all jobs for which the auxiliary frame (subframe) is removed
- suitable for VW T5 from 2004
- to be used as OEM T10227

Item #
8715



Universal Tie Rod Tool, 27 - 42 mm

- for replacing tie rods
- suitable for inner tie rod end diameters from 27 to 42 mm
- for loosening and tightening
- made of high-strength chrome-molybdenum steel
- allows high torque transmission
- drive: 12.5 (1/2)

Item #
8796



Tie Rod Wrench 25 - 55 mm

- for renewing round and 6-point tie rods
- suitable for many European, Asian and American vans, SUVs and larger cars
- toothed clamping element prevents slipping
- also suitable for very fixed tie rods
- drive: 1/2" square



Item #
66535



Clamping Wrench for Adjusting Track Rods, 14 - 20 mm

- for rusted track rods
- facilitates the track setting
- special mouth mechanism holds track rods from 14 up to 20 mm
- detachable, knurled handle
- length: 390 mm



Item #
8267



Clamping Wrench for Adjusting Track Rods, 40 - 55 mm

- for rusted track rods
- facilitates the track setting
- special mouth mechanism holds track rods from 40 up to 55 mm
- detachable, knurled handle
- length: 540 mm



Item #
8346



Track Rod Setting Set

- changing of the tie rod ends is possible without additional alignment
- reduces the workload when changing tie rods
- consists of:
 - main unit with clamping device
 - 10 and 12 mm caliper, short and long type
 - 17 mm caliper for VW
 - fixing unit
 - caliper for depth measuring



Item #
8305



BMW Front Chamber Adjusting Kit

- allows the adjustment of chambers on the following BMW Models:
E38 - E39 - E46 - E53 - E60
E61 - E63 - E64 - E65 - E66
E67 - E81 - E83 - E85 - E86
E87 - E90 - E91 - E92 - E93
- tool remains on the spring strut until all screws are tightened, therefore no recalibration required
- made of high quality aluminum
- also available separately under the following item no.:
 - **66151-1**: suitable for BMW models:
E60 - E61 - E63 - E64
 - **66151-2**: suitable for BMW models:
E65 - E66 - E67 - E81 - E83 - E85
E87 - E90 - E91 - E92 - E93
 - **66151-3**: suitable for BMW models:
E38 - E39 - E46 - E53 - E65 - E66 - E67 - E81
E83 - E85 - E86 - E87 - E90 - E91 - E92 - E93



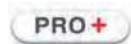
Item #
66151



Magnetic Camber Gauge

- helps to determine the suspension strut angle before disassembly and the adjustment of the same angle after re-assembly
- simply attach to the brakedisc with integrated magnets
- adjustable water level included

in plastic case



Item #	Description
1523	Magnetic Camber Gauge
1523-1	Level for Camber Gauge BGS 1523

Magnetic Camber Gauge, Double Adjustability

- helps to determine the suspension strut angle before disassembly and the adjustment of the same angle after reassembly
- double adjustability:
 - 1st step ruff adjustment via 180° clapping mechanism
 - 2nd step fine adjustment via adjustment screw

In plastic case

Item #
1519



Steering Wheel Level

- a must-have for quick and precisely even steering wheel assembly
- avoid reassembly of leant steering wheels that are only recognized after test drive
- much more accurate than the mechanics' eyes alone



Item #
9977



Steering Wheel Sleeve Puller for VW

- is needed to pull the steering shaft sleeve when replacing the turn signal / wiper switch unit
- suitable for VW Golf II / III / IV, Jetta, Passat, Polo and Vento since '88

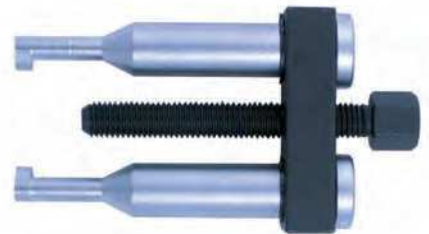


Item #
7727



Steering Wheel Puller, ext. 33 mm, int. 50 mm

- chrome vanadium steel
- for GM (Opel)



Item #
7739



Axial Joint Tools

- for fast and professional changing of the axial joints of cars and light commercial vehicles
- automatic clamping of the joint heads
- easy assembly of long tie rods because of open construction
- saves up to 3 hours of working time
- works with 1/2" ratchets or 27 mm sockets



Item #	Description
66526	Axial Joint Tool, 28-35 mm
66525	Axial Joint Tool, 34-45 mm
66527	Axial Joint Tool, 45-50 mm

4-piece Tool Set for Axial Joints

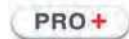
- for fast and professional changing of the axial joints of cars and light commercial vehicles
- automatic clamping of the joint heads
- easy assembly of long tie rods because of open construction
- for joint heads \varnothing 30 - 45 mm
- 3 exchangeable clamping heads for a wide application area (30 - 35, 35 - 40, 40 - 45 mm)
- works with 1/2" ratchet or 27 mm socket

Item #
66530



Combination Edge Setter / Hole Punch Pliers

- flexible jaw, 5mm punch
- for setting edges in sheets up to 1mm thickness and for punching holes in sheets for spot welding operations
- 285 mm long
- jaw size: 13 mm deep
- 22 mm wide



Item #	Description
6120	Combination Edge Setter / Hole Punch Pliers
6121	Punch for Punch Pliers BGS 6120, 6141
6122	Spare Punch Head for Item Nr. 6120, 6 mm



Edge Setter Pliers for Metal Sheets up to 1 mm

- jaw 22 mm wide and 13 mm deep, length 300 mm
- for reducing metal sheet edges up to 1 mm
- for car body repairs
- comfortable and robust rubber handle
- max. power transmission with min. effort

Item #
6140



Ticket Punch for Punching Folded Workpieces

- 5 mm matrix, punches up to 1.25 mm material, throat 40 mm, length 280 mm
- special pliers for punching and retracting folded workpieces

Item #
6141



Magnetic Lifter, 500 mm

- flexible shaft
- strong magnet
- plastic handle, black
- length: 500 mm



Item #	Description
3151	Magnetic Lifter, Ø 10 mm, 1 kg magnetic force
3152	Magnetic Lifter, Ø 12.5 mm, 2 kg magnetic force
3153	Magnetic Lifter, Ø 16.5 mm, 3 kg magnetic force



Magnetic Pick-Up Tool, 500 mm, 0.5 kg Capacity

- tip diameter: 7 mm
- with nozzle cleaner
- incl. clip holder



Magnetic Pick-Up Tool with flexible Tip, 580 mm, Capacity 1.6 kg

- magnetic end diameter: 13 mm
- max. length 580 mm
- capacity up to approx. 1,6 kg
- clip holder
- chrome plated



Telescopic Magnetic Pick-Up Tool, 630 mm, Capacity 2.2 kg

- high capacity (up to 2200 g)
- with clip holder
- tip ø 10 mm



Magnetic Pick-Up Tool, 650 mm, Capacity 3 kg

- magnetic tip diameter: 15 mm
- the removable tip sleeve prevents from having a sideward magnetic effect so that only those parts you want to pick up are magnetically attracted
- max. length approx. 650 mm
- rubber handle with clip holder



Flexible Magnetic Pick-Up Tool, 500 mm, Capacity 0.5 kg

- capacity up to 500 g
- extra thin magnetic end \varnothing 6 mm

Item #
3089



Magnetic Pick-Up Tool with LED, 600 mm, Capacity 1.5 kg

- capacity up to 1500 g
- with strong LED lamp on magnetic tip

Item #
3187



Inspection Mirror with Light

- mirror with universal joint
- length approx. 470 mm
- flexible shaft
- mirror size 25 x 50 mm
- battery: Mignon (AA, LR 6/AM-3)
- sold without batteries

Item #
3189



Inspection Mirror, \varnothing 55 mm Mirror

- flexible shaft
- length 475 mm

Item #
3081



LED Lighted Pick Up Tool and Mirror Set

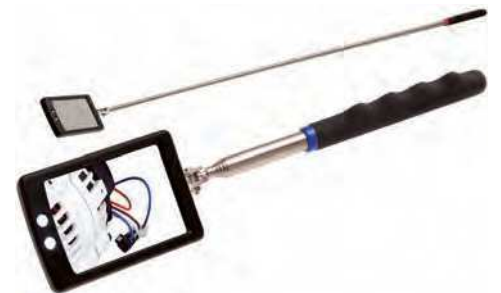
- 1 magnetic pick up tool with LED light, extendable to 665 mm, capacity 450 g
- 1 magnetic pick up tool, capacity 3500 g ausziehbar bis 665 mm
- 3 inspection mirrors, diameter of mirrors: 21-31-38 mm
- bag and batteries included

Item #
3095



LED Telescope Inspection Mirror, 285 - 870 mm

- non-slip telescopic grip
- Rotating and folding mirrors
- length 285 - 870 mm
- Mirror Size: 41 x 62 mm
- 2 LED
- incl. battery



Item #
9302



Telescopic Inspection Mirror, Ø 200 mm

- especially suitable for visual examination under a vehicle to find oil leaks or corrosion
- aluminium telescopic handle adjustable from 660 mm to 1090 mm
- mirror diameter 200 mm
- shatterproof acrylic mirror
- adjustable mirror angle
- ergonomic handle



Item #
3176



Magnetic Lifter / Flexible Claw Tool

- length 700 mm
- power of magnet: approx. 800 g
- claw opening up to 23 mm
- claw tool for picking up small parts (screws, nails etc.)
- magnetic pick up tool for all small metal parts



Item #
3094



Claw / Magnetic Lifter / Light Combination Tool

- bright LED for good illumination
- strong magnet, lifts up to 500g
- length: 615 mm

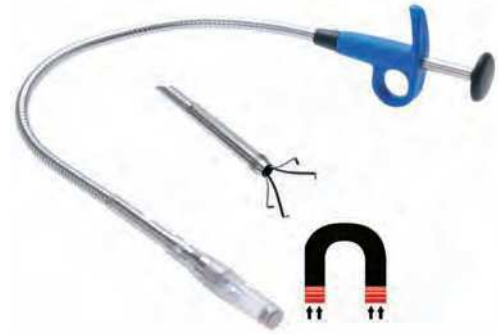


Item #
3174



Pick-up Tool - Magnetic Lifter - Light Tool, 500 mm

- useful 3-in-1 tool: not just a magnetic tip - there is also a light and a claw integrated in the tip that helps you find small parts even in dark areas



Item #
3197



Flexible Pick Up Tool, Length 595 mm

- all steel made construction



Item #
3102



Powerful Magnetic Holders

- 8 separate magnetic areas

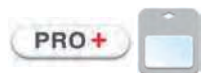


Item #	Description
3007	Powerful Magnetic Holder, up to 11 kg
3008	Powerful Magnetic Holder, up to 22 kg
3009	Powerful Magnetic Holder, up to 33 kg



Piston Ring Pliers

- enables non-destructive disassembly and assembly and prevents uncontrolled movement of the piston rings



Item #	Description
8374	Piston Ring Pliers, 40 - 100 mm
8370	Piston Ring Pliers, 80 - 120 mm
8371	Piston Ring Pliers, 110 - 160 mm



Piston Ring Pliers

- allows easy and damage-free assembly of piston rings
- head made of hardened steel
- handle made of profile steel, spring mechanism
- length 205 mm

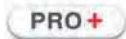


Item #
66103



Piston Ring Compressors

- spring loaded construction
- for damage-free assembly and disassembly of piston rings



Item #	Description
1887	Piston Ring Compressor, 60 - 90 mm
1888	Piston Ring Compressor, 80 - 110 mm
1889	Piston Ring Compressor, 100 - 160 mm

7-piece Piston Ring Compressor Set

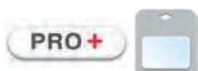
- incl. 1 ratcheting piston ring compressor pliers (selfadjusting) and 6 ring compressors sizes:
 - 73 - 79 mm
 - 79 - 86 mm
 - 86 - 92 mm
 - 92 - 98 mm
 - 98 - 105 mm
 - 105 - 111 mm
- height: 40 mm

Item #
1874



Fan Hub Wrenches, Offset

- length 270 mm
- for holding the Visco-clutch drive shaft



Item #	Description
1772	32 mm Fan Hub Wrench, for BMW, Ford etc.
1774	36 mm Fan Hub Wrench, for Ford, Opel, GM
1682	41 mm Fan Hub Wrench, for Opel + GM
1683	46 mm Fan Hub Wrench, for Opel + GM



300 mm Reaction Wrench, for Offset-Type Pulley

- wrench for safe blocking of water pump belt pulleys
- can be used for many VW + Audi engines with A/C
- can also be used for loosening for stucked nuts of the water pump belt pulley
- length: ca. 300 mm

Item #	PRO +
1747	



Tensioner Pulley Wrench, 32 mm, 12-point

- for moving the automatic tensioner pulley when changing the gear belt
- fits Audi 100 as of '91, A4, A6 2.5 TDI 5 cylinder
- VW Polo Diesel, Lupo as of '99, LT and T4 2.5 TDI

Item #	PRO +	
66720		



4-piece Fan Hub Wrench Set

- 32 mm x 270 mm: for holding the Visco-clutch drive shaft in BMW and Ford
- 36 mm x 270 mm: for holding the Visco-clutch drive shaft in Ford, Opel and GM
- 41 mm x 270 mm: for moving the waterpump in Opel and GM in order to span the drive belt in OHC-engines
- 46 mm x 270 mm: for moving the waterpump in Opel and GM in order to span the drive belt in OHC-engines

Item #	PRO +
1684	



Fan Service Wrench Kit

- carbon steel
- for holding the Visco-clutch drive shaft in BMW and Ford
- allows the technician to hold the water pump pulley in place while loosening the radiator fan
- allows removal of the visco-coupling on the cooling fan

Item #	PRO +
1763	



Engine Tools

V-Belt and Timing Belt Wrench Set, 13-19 mm

- 13, 15, 16, 17, 19mm; length: 460 mm
- with slip guard handle for easy handling
- 12-point finish
- 45° offset ends allow you to reach all areas in the engine bay

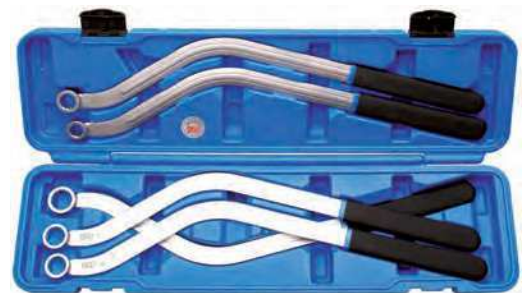


Item #	Description
1310	V-Belt and Timing Belt Wrench Set, 13-19 mm
1310-14	Drive Belt Wrench, 14 mm



V-Belt and Timing Belt Wrench Set, 13-19 mm

- 13, 15, 16, 17, 19mm; length: 460 mm
- 12-point head
- double angled for better reach of confined areas
- with slip guard handle for easy handling
- matt chrome plated finish



V-Belt and Timing Belt Wrench Set, E10 - E18

- E10-E12-E14-E16-E18, length: 460 mm
- 45° offset ends allow you to reach all areas in the engine bay
- space-saving, flat design
- ideal for screws of belt and tensioning pulley
- with slip guard handle for easy handling



Tensioner Pulley Wrench Set, 12-pt 12-19 mm & E-Type E10 - E18

- 12-pt. heads: 12, 13, 14, 15, 16, 17, 18 and 19 mm
- E-Type heads: E10, E12, E14, E16, E18
- long wrench for easy handling
- quick connector 13.8 x 8.1 mm



Serpentine Belt Servicing Tool Kit, 3/8" + 1/2" Drive

- combines the advantages of a ratcheting wrench with the requirements of the serpentine belt removal tool to provide best possible combination
- provides coverage for all major vehicles with serpentine belt configuration
- metric sockets sizes: 8,12,13,14,17,18,24 mm
- inch socket sizes: 3/8" - 1/2" - 5/8"



Counterholding Wrench Set, 40-220 mm adjustable

- length 400 mm (!)
- ideal for loosening the nut of the fuel injection pump and counterholding of the drive pulley
- incl. 4 pairs of inserts Ø 6 -10 mm, 8 - 11 mm, 10 - 12 mm, 11 - 16 mm to be used with nearly every make

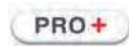
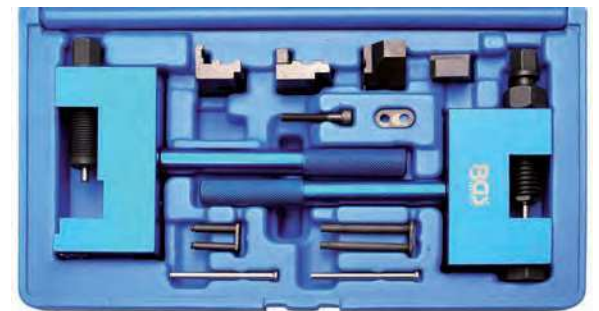


Item #
1714



Timing Chain Riveting Tool

- for renewing and riveting timing chains
- old timing chain is fed in with help of the new chain
- a dismantling of the timing chain case is often not required
- suitable for Mercedes models with duplex timing chain with 4 mm chain bolt
- to be used as Mercedes OEM tools:
112589096300, 602589003900, 602589023300
602589024000, 602589056300, 602589056301



Item #	Description
8501	Timing Chain Riveting Tool
8501-1	Adapter for Simplex Chains (for BGS 8501)

Sockets for Bosch Injection Pumps

12.5 \square 1/2

- is required when replacing / setting Bosch Diesel distributor injection pumps
- satin chrome finish



Item #
8827



7-piece Diesel Bleeding / Primer Kit

- for bleeding low pressure side on Diesel fuel systems
- is required when renewing diesel filters and pump or other components of the diesel injection system
- prevents defects of high pressure pumps (CDI) which frequently occur during renewing filters without manual filling
- includes 6 different adapter hoses and hand pump with valve
- suitable for:
Ford, PSA, Opel, Fiat, Rover, Land Rover, Renault, Mercedes-Benz



Item #
8819



Hose / Tube Connector Kit for Bleeding Diesel Systems

- for bleeding / filling of diesel injection systems
- suitable for hose / pipe connections
- to be used with e.g. BGS 8080, 8066, 3157, 3155
- includes: coupling (90° angle), coupling (straight) rubber pipe connector, coupling adapter (straight)



Item #
8066-2



Diesel Service Filling Pump

- for filling the fuel system
- is required when renewing diesel filters and other components of the diesel fuel injection system
- prevents defects of high pressure pumps (CDI) which frequently occur renewing filters without manual filling



Item #
4063



Tensioner Pulley Wrench

- for loosening the automatic tensioner when changing the poly-V-belt
- for VW GOLF, PASSAT, POLO, T4
- length 450 mm



Item #
1707



Toothed Belt Tensioner Wrench for VW / Audi

- 5-way adjustable and 180° pivotable handle
- can also be used in hard-to-reach areas
- especially for timing belts on 4- and 5 cylinder VAG engines and VW T4 servo pumps
- extra flat type



Item #
8150



Free Roller Belt Tension Adjusting Key

- extra flat type
- 185mm x 200mm x 20,5 mm



Item #
66725



Tooth Belt Tool Set for VAG

- set for working and locking the tooth belt tensioner rolls
- is needed when changing the tooth belt and during general engine repair jobs
- for the most common VW, Audi, Seat, Skoda fuel and Diesel engines
- no displacing of tooth belt tension when tightening the nut
- 3 tensioner pulley wrenches in different length and offset shapes used as OEM T10020, OEM V159
- 3 locking pins for tooth belt spanners
 - 1.6 mm used as OEM T40011
 - 2.5 mm used as OEM T03006
 - 4 mm used as OEM T10060A



Item #
8241

PRO +

Ribbed Belt Mounting Lever

- for tensioning of the tensioning wheel
- facilitates the placement of the V-ribbed belt
- suitable for Mercedes-Benz Types: 168, 169 (A-Class), 245 (B-Class)
- length: 620 mm
- size: 15 mm



Item #
1703

PRO +

Ribbed Belt Tool Kit for Mini

- suitable for Mini Cooper S and One
- for tensioning of air conditioning and alternator ribbed-belts
- contains 2 release levers and 2 locking pins
- to be used as OEM 118390 / 118410



Item #
8678

PRO +

Belt Tensioner Wrench, Ford Duratorq engines

- suitable for Ford Duratorq 2.0 / 2.2 (TDDI / TDCI)
engine codes: D5BA / D6BA / HJBA / HJBC
FMBA / N7BA / QJBB / QJBA



Item #
8533

PRO +

VAG Serpentine Belt Tool

- for VAG engines without tensioner pulley
- tensioning is carried out through spring loaded alternator
- wrench allows to press the alternator against the spring tension and change the poly-V-belt without problems
- knurled bolts prevent slipping off



Item #
8239



Belt Pulley Wrench for Ribbed and Flat Drive Belts

- for holding back ribbed drive belt pulleys (for example when loosening belt pulley bolts)



Item #
1026



Special Fibreglass Strap Wrench

- for assembly of pulleys
- universally applicable
- 850 mm long strap



Item #
1024



Timing Pulley Counterholder

- for loosening and fastening the camshaft wheel bolts
- suitable for all common camshaft sprockets
- adjustable from diameter 45 - 150 mm



Item #
8854



Universal Counterholder for Camshaft Sprockets

- for counterholding the camshaft sprocket while loosening and tightening the camshaft bolt
- enables a rotation of the camshaft
- adjustable and lockable opening width from 100 - 150 mm



Item #
8674



Belt Pulley Counterholding Wrench, VW 1.6 L

- fits: VW Lupo, Polo, New Beetle, Golf, Bora Caddy; Seat Ibiza, Cordoba (engine codes ARC, ATN, AUS, AVY, AZD, BCB)
- length: 770 mm



Item #
66701



Belt Pulley Counterholding Wrench

- fits VW 1.4 - 1.6 - 2.0 I engines (engine codes ADX, AEA, AEE, AEH, AEX, AFH, AFK, AGP, AGR, AHW, AJM, AKL, ALN, AMF, ANA, ANY, APE, APF, ARM, ATJ, AUA, AWH)
- fits following car models: VW Beetle, Bora. Caddy, Golf, Lupo, Polo, Sharan, Touran, Transporter, Audi A2-3-4-6, TT, Skoda Fabia, Octavia, Superb
- for counterholding the belt pulley of 4 valve engines with pin diameter 11.5 mm
- also for counterholding the belt pulley of 2 valve engines



Item #
66703



2-piece Poly-V-Belt Tool Set

- facilitates assembly and disassembly of Poly-V-Belts
- suitable for most belt pulley sizes
- easy handling through wing nut



Item #
8220



Mounting Tool Kit for Stretch-Fit Poly-V-Belts

- allows a damage-free mounting of Poly-V-belts on belt systems without tensioner
- 2 different sizes for wide range of application



Item #
8454



Mounting Tool Set for flexible Multi Ribbed Belts

- allows damage free mounting of flexible multi-ribbed belts
- flexible belt drive requires no idler, but this special assembly tool
- suitable for the following models:
 - BMW: 118, 120, 318, 325, 330, 335, 520, 525, 530, 535, 635, 730, X3, X5 petrol and diesel engines
 - Chrysler Grand Voyager, Voyager
 - Citroen: C2, C3, C4, Jumper, Relay
 - Fiat Albea, Doblo, Marea, Multipla, Ducato, Fiorino, Fiorino Qubo, Linea, Palio, Siena, Stilo, Strada Pick Up, Lancia, Lybra
 - Ford C-Max, Focus, Mondeo, Tourneo, Transit, Courier, Fiesta, Fusion
 - Iveco Daily
 - Mazda 3, 5, Axela
 - Peugeot: 206, 207, 307, Boxer
 - VOLVO: C30, S40, V50
- contains 3 different special tools



Item #
8301



V-Ribbed Belt Mounting Tool Set

- allows damage free mounting of flexible multi-ribbed belts
- flexible belt drive requires no idler, but these special assembly tools
- suitable for the following models:
 - BMW 118, 120, 318, 320, 325, 330, 335, 520, 525, 530, 535, 635, 720, X3, X5
 - Audi A3 1.6/2.0D
 - Seat Altea, Ibiza 1.6/2.0D
 - Skoda Octavia, Yeti 1.6/2.0D
 - Volkswagen Eos, Golf, Passat, Polo, Scirocco 2.0D
 - Chrysler Grand Voyager, Voyager 2.5D/2.8D
 - Ford C-Max, Focus, C-Max, Mondeo, Tourneo, Transit 1.4/1.6/1.8/2.0, Transit, Transit Tourneo 2.2D, Courier, Fiesta, Fusion 1.6
 - Mazda 3, 5, Axela 1.8/2.0 und Modell 2 1.2/1.4/1.6
 - Mercedes Sprinter, Viano, Vito 3.0D
 - Peugeot 206, 207, 307, Boxer 1.6D/2.2D/3.0D
 - Citroen C2, C3, C4, Jumper, Relay 1.6D/2.2D/3.0D
 - Fiat Albea, Doblo, Ducato, Fiorino, Fiorino Qubo, Linea, Palio, Siena, Stilo, Strada Pickup 2.2D/2.3D/3.0D, Doblo, Marea, Multipla 1.6
 - Iveco Daily 2.3D / 3.0D
 - Volvo C30, S40, V50 1.6/1.8/2.0
 - Lancia Lybra 1.6
 - Mitsubishi ASX 1.8D



Item #
8301-1



Drive Belt Gauge

- for measurement of the inside length of drive belts like V-belts, timing belts and ribbed belts
- measuring range: 500 - 2500 mm



Item #
8863



Pre-Chamber Socket for Mercedes CDI

- 1/2" Drive Multi-Spline Socket 1.5 x 58 mm
- allows changing of the diesel pre-chamber
- fits on MB engines from 1989.
- suitable for engines with the following codes: 601, 602, 602.91, 603, 604, 605, 606, 661, 662
- material: chrome-vanadium steel
- black phosphate finish
- to be used as OEM: 603589000900 / 603589010900



Item #
5430



20-piece Nozzle Gauge, 0.45 - 1.50 mm

- to check nozzles for damage
- Ø 0,45-0,50-0,55-0,60-0,65-0,70-0,75-0,80-0,85-0,90
0,95-1,00-1,05-1,10-1,15-1,20-1,25-1,30-1,40-1,50 mm



Item #
3041



Flywheel Holding Lever

- facilitates the disassembly and assembly of clutch cover and flywheel
- hardened gear segment for locking starter gear rings

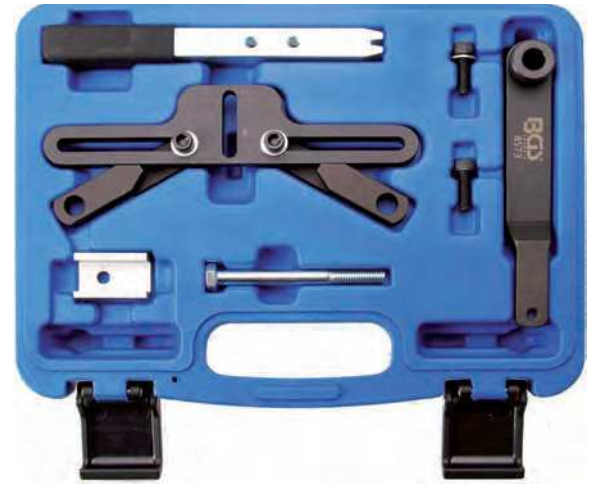


Item #
8348



Flywheel Locking Tool for BMW

- for locking the flywheel (crankshaft) when loosening the flywheel screws, loosening the crankshaft pulley screws or other jobs where a locking of the crankshaft is required
- suitable for following BMW engines:
M47T2 - M47TU - M57T2 - M57TU - M67 - N45 - N45T - N46 - N46T - N51 - N52 - N53 - N54 - W17
- to be used as OEM 118180, 118182, 118183



Item #
8573



Injector Pump Sprocket Puller / Timing Chain Tensioner Kit for BMW & Opel

- puller for BMW injection pump sprocket
- is required for the disassembly of diesel injection pumps
- includes puller tools for the following applications:
 - for removing the sprocket from the pump shaft, suitable for 4-cyl. and 6 cyl. BMW engines M41, M51 and identical engines in Vauxhall Omega 2.5 TD (M51)
 - for removing the sprocket from the pump shaft and holding the pump wheel in the assembly position, suitable for BMW engines M47, M47TU, M57, M57TU
 - for tensioning the timing chain, suitable for example, BMW engines M50, M60, M62
- to be used as OEM:
135120 - 135190 - 135191 - 135192 - 114230



Item #	Description
8750	Injector Pump Sprocket Puller / Timing Chain Tensioner Kit for BMW & Opel
8750-1	Injection Pump Wheel Puller for BMW M41, M51, Opel 2.5 TDI

Diesel Injection Pump Puller

- holds the sprockets during the assembly of the injection pump
- fits BMW engines M47-M47T2-M47TU-M57-M57TU
- fits BMW types E46 (318D-320D) year 1988-2005 and E60, E61 (318TD-320TD-525D-530D-530-535) year 2000-2006

Item #
62050



Pulley Extractor, universal

- allows easy removal of the crankshaft pulley, provides a counterholding function to prevent rotation of the crankshaft
- counter holder with 1/2" drive
- variable mounting distance 54 - 120 mm
- includes fastening screws M8 and M10

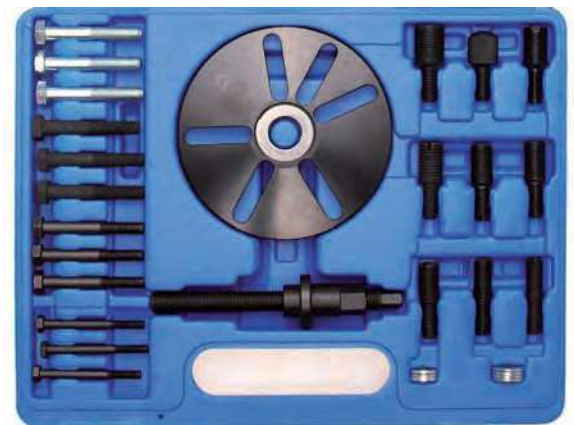
Item #
8551



Crankshaft and Balancer Flange Puller Set

- carbon steel, hardened, zinc plated
- universal use: incl. 9 adaptors
- can be used with item# 7719
- contents:
 - 1 puller plate
 - 12 screws, each 3 pieces:
 - 3/8NC16 X 57 MM - 3/8NC24 X 57 MM
 - M6 X 1.0 X 60 MM - M8 X 1.25 X 60 MM
 - 1 center bolt 10 mm
 - 9 adaptors:
 - M12 X 1.5 - 3/8NC16
 - M14 X 1.5 - 3/8NC16
 - M16 X 2.0 - 3/8NC16
 - 1/2 X NC20 - 3/8NC16
 - 9/16 X NC18 - 3/8NC16
 - 7/16 X NC20 - 3/8NC16
 - 3/4 X NC16 - 3/8NC16
 - 5/8 X NC18 - 3/8NC16
 - 3/8 X NC16 - 3/8NC16

Item #
7711



Cylinderhead Repair System Tray

- needed when repairing cylinder heads, e.g. replacing the valves, hydraulic valve lifters, valve stem seals, etc.
- allows a safe and confusion free storing of components, such as camshafts, valves, valve springs, hydraulic tappets, shims, etc.
- dimension: 400 x 450 x 260 mm

Item #
8552



Seal Ring Extractor Tool Set for Crank- & Camshafts

- for disassembly of radial sealing rings
- especially suitable for sealing rings where a stub shaft protrudes and a disassembly is almost impossible without this tool
- holds the sealing ring on the inside with a conical profile
- suitable for most commercial sealing rings
- includes the following tools:
 - extractor for 35 - 44 mm sealing ring diameter, with 31.5 mm center bore
 - extractor for 59-64 mm sealing ring diameter, center bore 54.5 mm

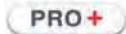


Item #
8759



Radial Seal Dismantling and Assembly Set

- facilitates a non-damage mounting of radial sealing rings
- universally usable for radial sealing rings with \varnothing 21,5 mm to 64 mm
- suitable for all pressed radial sealing rings such as on camshafts, crankshafts, balancer shafts, ect.
- 4 spacers to compensate the differences in length of central screw
- 7 press sleeves for mounting of radial sealing rings
- 7 adapter rings for normal central bolts (M8 - M20)
- 2 claw pullers for pulling tightly fitted radial sealing rings



Item #	Description
8224	Radial Seal Dismantling and Assembly Set
8224-1	Replacement Puller Legs 70 mm for BGS 8224
8224-2	Replacement Puller Legs 114 mm for BGS 8224



10-piece Diesel Fuel Pump Timing Set

- for an accurate adjustment of several different fuel injection pumps i.e. Bosch, VE, Kikki, Lucas CAV-Roto, Nippondenso



Item #
8157



FSI Injector Assembly and Disassembly Kit

- suitable for VW, AUDI, SEAT, SKODA, with direct injection engines and engines with pump-injector units
use as OEM tool kit T10133 + T10163
- includes the following tools:
 - puller for dismantling FSI injectors, use as T10133/1
 - puller claw for dismantling FSI injectors, use as T10133/2
 - sliding hammer, use as T10133/3
 - cone for mounting the combustion chamber rings use as T10133/5
 - 3 calibration tools for mounting the combustion chamber rings, use as T10133/6, T10133/7, T10133/8
 - built-in pin for mounting the FSI injectors use as T10133/9
 - extractor for dismantling pump-injector units

Item #
68345



Fuel Injector Tool for BMW

- for installing and removing of fuel injectors
- suitable for BMW 6 in line cylinder turbo charged engines with direct injection from 2009
- to be used as BMW OEM 130270

Item #
62671



Waterpump Disassembly Tool

- suitable for VW T5, Touareg 2.5D
- contains the following tools:
 - gear wheel puller, for disassembling of waterpump gear wheel, to be used as OEM T10222A
 - water pump puller, for disassembling of waterpump to be used as OEM T10221A
 - special key, for T5 crankshafts for counterholding the crankshaft when loosening the waterpump's gear wheel screw, to be used as OEM T10225

Item #
8221



Water Pump Gear Holding Tool, Opel Ecotec Engines

- suitable for Opel engine 2,2 L 16V / Z22SE
- holds the timing chain and gear in place while removing and installing the water pump on GM Ecotec engines
- holding the sprocket prevents loss of timing or damage to the engine
- special half-moon design allows easier access to water pump gear bolts
- uses access cover bolts to hold the tool in place



Item #
8420



Pulley Holder for the High-Pressure Pump on Opel, Renault, Nissan

- suitable for Diesel engines with F9Q engine code in Opel, Renault, Nissan cars
- no need to disassemble the tooth belt
- pump wheel is locked securely because of high accuracy
- pump does not need to be re-adjusted
- helps to save time and money through reduced workload



Item #
8278



Camshaft Sprocket Puller for Ford Engines

- can also be used for pulling off the impeller
- fits Fords engines F8M, F8Q, J8S, S8U, S9U
- 90 x 65 mm



Item #
66350



Face Plate Removing Tool, Audi A4

- e.g. for Audi A4, Passat (from 1997)
- for changing the toothed belt or replacing the water pump without adjusting the hood lock and the gaps



Item #
8023



4-piece Tire Lever Set, 300-400-500-600 mm

- chrome plated
- hardened

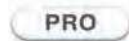
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Item #
1548



Tire Levers

- special steel, chrome plated, hardened



Item #	Description
1530	Tire Lever, Length 250 mm
1531	Tire Lever, Length 400 mm
1532	Tire Lever, Length 500 mm
1533	Tire Lever, Length 600 mm
1534	Tire Lever, Length 750 mm



Tire Lever, 380 mm

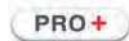
- chrome plated, hardened

Item #
1540



Tire Lever with Plastic Protection Cover

- for damage free assembly of tires on aluminum rims
- exchangeable plastic pad (thickness 5.5 mm) is attached to steel lever with screws



Item #	Description
1527	Tire Lever with Plastic Protection Cover, 380 mm
1527-1	Spare Plastic Protection Cover for Item # 1527
63150	Tire Lever with Plastic Protection Cover, 500 mm
63151	Spare Plastic Protection Cover for Item # 63150



Tire Lever, 650 mm Length, for Trucks

- dimensions: 650 x 28 x 9 mm
- for truck tire assembly

Item #
4802



Pry Bars

Tire Lever with Aluminium Handle, 390 mm

- chrome plated
- rounded edges
- ideal size for comfortable working
- aluminium handle for extra convenience - no fatigue limit !

Item #
1528



Tire Lever, for Motorbikes, 370 mm

- chrome plated
- plastic handle

Item #
1529



Pry Bar, 780 mm

- satin chrome plated
- with acid resistant handle
- all over length: 780 mm
- handle length: 205 mm
- dimensions of square profile handle: 35 x 35 mm
- head width: 16 mm
- head thickness: 2 mm
- dimensions of square profile rod: 16 x 16 mm

Item #
9134



4-piece Mechanic's Pry Bar Set

- sizes: 200x10 - 300x15 - 450x18 - 600x18 mm
- slip guard handles with steel head

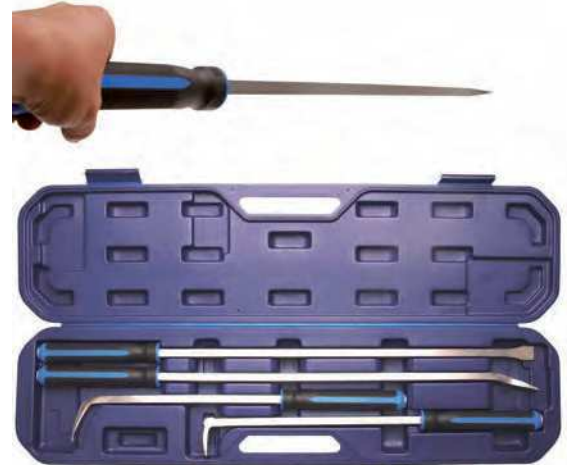
Item #
9137



Pry Bars

4-piece Pry Bar Set

- 4 different pry bars for all kinds of applications on trucks and other heavy vehicles
- 2 bars 600 mm long and 2 bars 900 mm long
- straight and 30-75-90° bent
- rubber coated soft-grip



Item #
9133

PRO +

4-piece Pry Bar Set

- hardened black finish carbon steel
- plastic handles with guarding caps
- sizes: 200x12, 300x18, 450x20, 600x20 mm



Item #
9135

PRO

Adjustable Wrecking Bar, 60-86 cm

- forged
- nail puller + push button
- 20 adjustable positions from 60-86 cm
- high flexibility and strong leverage
- extremely efficient, also in limited space areas and over-head



Item #
52120

PRO +

Universal Twin Cam Lock

- can be used for toothed belt distances 13 - 180 mm
- for Diesel and Gasoline engines
- locks the cam shaft on the side of the fuel injection pump wheel, so that the toothed belt wheels can be correctly positioned towards the crankshaft



Item #
1799

PRO +

Camshaft Locking Tool

- needed for tooth belt replacement and other engine timing jobs
- suitable for most Diesel and gasoline DOHC engines
- fixation by locking the camshafts against each other
- pins made of hardened steel for long tool life
- versatile applications because of 2 different arm lengths
- special knob on center arm can be turned into a place-saving position



Item #
8243



Camshaft Mounting Tool for VAG 6 & 8 Cyl. TDI engines

- for fitting the camshaft in the cylinder head
- suitable for following VAG models:
VW Tiguan 2008 / Passat CC 2009
Touareg 2003 / Phaeton 2003
Audi A3 2004 / A4 2001 / A4 2008 / A5 2008
Q5 2008 / A6 2005 / Q7 2007 / A8 2003
6 cylinder TDI Common Rail 2.7 & 3.0 4-valve engines
8 cylinder TDI Common Rail 4.0 4-valve engines
- to be used as VAG OEM T40095



Item #
8871



Belt Gauge

- for adjusting initial tension of the drive belt
- can be used for all types of cars as far as information on recommended tension are available
- one rotation of the adjusting nut
- piston load of approx. 10N
- tension can be read on front and back of the tool



Item #
1705



Digital Toothbelt Gauge

- for measuring and precise adjusting of the timing belt tension
- increases timing belt life
- by a small pulse, a plucking at the belt, which sets the timing belt into vibration, the measuring probe detects the vibration of the toothed belt and the Microprocessor calculates the frequency in Hertz and the value will be shown on the display
- frequency range: 30 - 520 Hz
- tension value chart included

- Important: measuring the timing belt tension with this instrument can only be done when engine is off



Item #
2177



TDC Finder

- for easy and accurate determination of the ignition TDC (top dead center)
- especially suitable for vehicles which have no TDC markings
- includes:
 - measurement unit with magnetic holder
 - connecting tube with spark plug or glow plug adapter in 8 -10 -12 -14 -18 mm + universal cone adapter
 - 60 and 160 mm aluminum adapter tube for deep seated spark plugs



Item #	PRO +
8304	

Locking Pin Set for Automatic Belt Tensioner

- suitable for locking belt tensioners
- locking pin \varnothing 1.9, 1.7, 1.5, 1.4, 1.25, 0.8 mm
- length of pins: 47 mm
- made of spring steel
- on aluminum hook



Item #	PRO +	
8438		

Engine Timing Tool for Fiat, Alfa, Lancia 1.2 16V, 1.4 16V / T- Jet

- used to adjust the engine timing during timing belt replacement, cylinder head repair, replacement the cylinder head gasket, etc.
- suitable for Alfa Romeo, Fiat and Lancia 1.2 16V / 1.4 16V / 1.4 T-Jet
- includes the following tools:
 - crankshaft locking tool (with screws M6x30 and 3 pcs M8x16) to be used as OEM 2.000.004.500
 - camshaft adjusting tool (1 pair) to be used as OEM 1.860.985.000
 - adjusting tool for piston height to be used as OEM 1.860.992.000
 - adjusting tool for timing belt tensioner to be used as OEM 1.860.987.000
 - locking tool for camshaft sprockets (with screw M8x30) to be used as OEM 2.000.015.800



Item #
62666

Crankshaft Locking Tool for Fiat, Alfa, Lancia

- to be used as
OEM 2.000.004.500



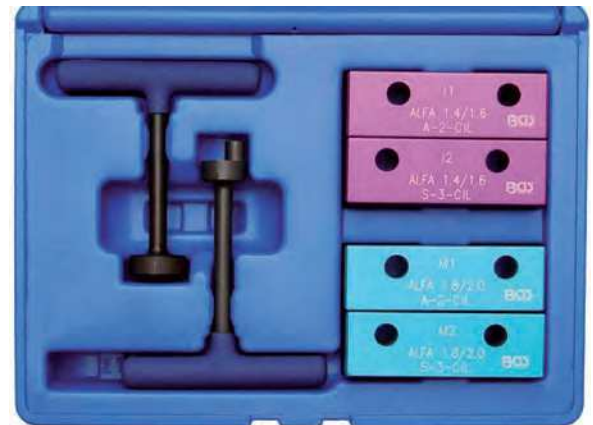
Item #
62666-1



Engine Timing Tool for Alfa Romeo 1.4 / 1.6 / 1.8 / 2.0 Twin Spark

- for adjusting the engine timing during timing belt replacement, cylinder head repair, replacement of the cylinder head gasket, etc.
- suitable for Alfa Romeo models 145/146/147/155/156/166/Spider/GTV
- fits on Twin Spark engines 1.4 / 1.6 / 1.8 / 2.0L 16V Twin Cam, engine codes: 162.01 / 322.01 / 323.01/ 323.10 / 335.03 / 671.06 / 672.04 / 676.01

- includes following tools:
 - timing belt tensioner tool to be used as OEM 1822149000
 - balance shaft tensioner tool to be used as OEM 1822154000
 - camshaft setting tool (purple) to be used as OEM 1825042000
 - camshaft setting tool (blue) to be used as OEM 1825041000



Item #
8786



Engine Timing Tool for Alfa Romeo, Lancia, Fiat 0.9L

- for adjusting the engine timing when e.g. changing the timing chain, repairing cylinder head, etc.
- suitable for the following vehicles with engine code 312A2000:
 - Alfa Romeo Mito as of 2012
 - Fiat 500 as of 2010
 - Fiat Panda as of 2012
 - Fiat Punto as of 2012
 - Lancia Ypsilon as of 2012
- includes the following tools:
 - crankshaft locking pin to be used as OEM 2000035300
 - belt pulley locking pin to be used as OEM 2000035200
 - camshaft locking plate to be used as OEM 2000035100



Item #
8815



Engine Timing Tool

Engine Timing Tool for Fiat 1.9 JTD 16V Multijet

- for adjusting the engine timing when e.g. changing the timing belt, cylinder head repairs, etc.
- suitable for the following engines:
 - Opel 1.9 CDTi engines Z19DT, Z19DTH, Z19DTJ
 - Alfa Romeo 1.9 and 2.4 L Diesel with engine codes: 323.02, 371.01, 342.02, 325.01, 362.02, 182B9.000, 937A2.000, 937A3.000, 192A5.000, 192B1.000, 937A4.000, 937A5.000, 939A2.000, 939A1.000, 939A7.000, 939A8.000, 839A6.000, 841C.000
 - Fiat 1.9 and 2.4 L Diesel with engine codes: 182B4.000, 182B9.000, 185A6.000, 186A6.000, 186A8.000, 186A9.000, 188A2.000, 188A7.000, 188B2.000, 192A1.000, 192A3.000, 192A5.000, 192A8.000, 192A9.000, 192B4.000, 192B5.000, 198A2.000, 198A3.000, 198A6.000, 199A5.000, 223A7.000, 937A5.000, 939A1.000, 939A2.000, 939A3.000, 939A7.000
- includes the following tools:
 - crankshaft locking tool
to be used as OEM Opel EN-46788 / Fiat 1.860.905.000 / 1.860.905.010
 - flywheel locking tool
to be used as OEM Fiat 1.860.898.000
 - camshaft locking tool
to be used as OEM Opel EN-46789 / Fiat 1.870.896.900
 - locking pin \varnothing 3.7 mm x 70mm
to be used as OEM Opel KM 6130 / KM 6349



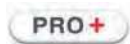
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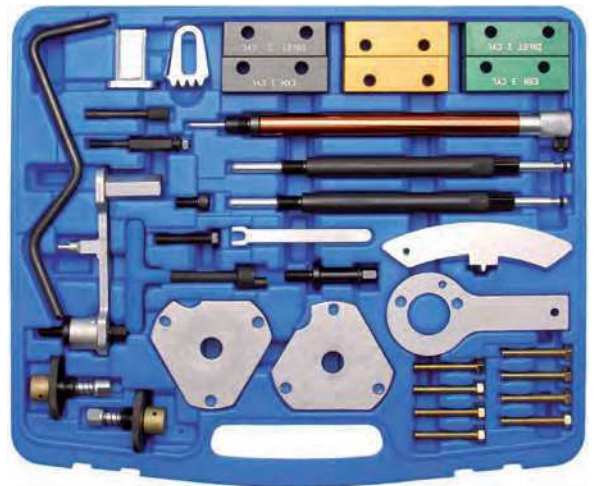
Fiat / Alfa Engine Timing Tool Kit

contains important tools for adjustment:

- flywheel
- crankshaft
- camshaft
- fuel injection pump shaft
- belt pulley
- tensioning of the timing belt
- to be used as OEM:
 - 1 860 847 000, 1 860 875 000, 1 870 697 000,
 - 1 860 895 000, 1 895 879 000, 1 860 898 000,
 - 1 860 992 000, 1 860 992 000, 1 863 000 (8mm)
 - 1 860 771 000, 1 860 161 000, 1 860 874 000
 - 1 860 874 000, 1 860 876 000, 1 860 845 000
 - 1 860 876 000, 1 860 965 000, 1 860 901 000
 - 1 860 905 010, 1 860 987 000, 1 860 985 000
- complete classification chart included



Item #	Description
8148	Fiat / Alfa Engine Timing Tool Kit
8148-13	Adapter from BGS 8148



Camshaft Locking Tool 2-pc. Fiat / Alfa / Lancia

- spare part is marked in figure with number 6
- suitable for Fiat DOHC 1.6L 12V & 16V petrol engine in following Fiat models: Brava / Bravo / Coupe / Marea / Weekend / Multipla / Palio / Stilo / Tipo



Item #	8159-6
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Engine Timing Tool

Tensioner Wrench Fiat / Alfa / Lancia, from BGS 8159



Item #
8159-16



Gauge to determine the piston height of Fiat / Alfa / Lancia



Item #
8159-17



Timing Tool Set for Fiat, Lancia, Alfa Romeo

- contains 1 special socket 1/2" dr. for disassembly of the phase adjuster
- 23 custom fit timing tools for inlet camshaft and exhaust camshaft prevent distortion of camshafts and allow setting them in mounting position for the tooth belt
- locking tools are numbered and have different colours to avoid mix-up
- can also be used for exact positioning of the crankshaft using the TDC setting plug and an optional micrometer (BGS 1938-1, not contained in set)
- fits following cars:
 - Fiat Bravo 1,4 12V & 2,0 20V; Brava 1,4 12V & 2,0 20V; Marea 2,0 20V; Coupe 1,8 16V; Barchetta 1,8 16V; Punto 1,8 16V
 - Lancia K5 2,0 20V; 4 Zyl. VIS Motoren ab BJ. 96; Delta 1,8 16V Step A; Dedra 1,8 16V Step A; Y10 1,4 12V
 - Alfa 145 1400 & 1600 16V Step A; Romeo 146 1400 & 1600 16V Step A; 147 1600 16V Step A; 147 105 PS; 147 1600 eco 103 hp; 155 1400 & 1600 16V Step A; 156 1600 16V Step A; 156 1800 - 2000 16V; 156 2000 JTS; 166 2000; GTV 2000 JTS; Spider GT 2000 JTS 16V 165PS



Item #
8240



Engine Timing Tool

Engine Timing Tool Set for Fiat 1.7 / 1.9 L Diesel

- for setting the engine timing on Fiat engines:
176B3.000, 176A3.000, 176A5.000, 149B1.000,
160A6.000, 160A7.000, 160D1.000, 230A2.000,
230A3.000, 230A4.000, 280 A1.000
- suitable for Fiat models:
Punto 1.7D / TD, 1.9D Tipo, Ducato 1.9D / TD
Tempra 1.9TD with adjustable camshaft sprocket
- includes following tools:
 - camshaft locking tool
to be used as OEM 1860932000
 - camshaft locking tool
to be used as OEM 1860934000
 - camshaft locking tool
to be used as OEM 1860931000
 - crankshaft locking tool
to be used as 1860933000



Item #
8741



Engine Timing Tool Set for Fiat 1.2 16V

- contains important tools for checking
and adjusting the engine timing
- fits on Fiat models:
500 1.2 (07), Brava 1.2, Bravo 1.2 16V, (95-02)
Grande Punto 1.2, Idea 1.2, Idea 1.2 / 16V
Marea 1.2, Marea Weekend / Marengo 1.2
Palio Weekend 1.2 / 16V (93-99)
Punto 1.2, (93-99), Punto Classic 1.2 / 16V (99)
Stilo 1.2 and Lancia Ypsilon 1.2 / 16V (96-03)
with engine code:
176B9.000, 169A4.000, 182B2.000, 188A5.000
- piston height adaptors (2x)
to be used as OEM 1860992000
- camshaft adjusting tools (2x)
to be used as OEM 1860985000
- tension adjustment wrench
to be used as OEM 1860987000



Item #
8725



Engine Timing Tool Set for Fiat 1.8 / 2.0 L Petrol Engines

- for adjusting the engine timing
- suitable for engine codes LFW, RFU, RGX, RFW
- includes:
 - crankshaft locking tool 6 mm
 - camshaft locking tool 10 mm
 - camshaft locking pins 2 pc.
 - tool for timing belt tensioner
- to be used as OEM tools:
0132QZ, 0132Z, 4507-TA, 0132Q, 014-TM
0188Q1, TJ-4507, 0132X, 9767.89, 0132X



Item #
8740

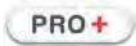


Timing Tool Kit for Fiat 2.3 / 3,0 JTD

- suitable for engine code: F1AE0481C, F1AE0481D, F1AE0481N, F1CE0481A&D
- also suitable for Iveco Daily
- includes the following tools:
 - camshaft locking pin, 2 pc. to be used as OEM 99360614
 - crankshaft locking pin to be used as OEM 99360615
 - camshaft locking pin, 2 pc. to be used as OEM 1 860 617 000
 - crankshaft locking pin to be used as OEM 2 000 018 200

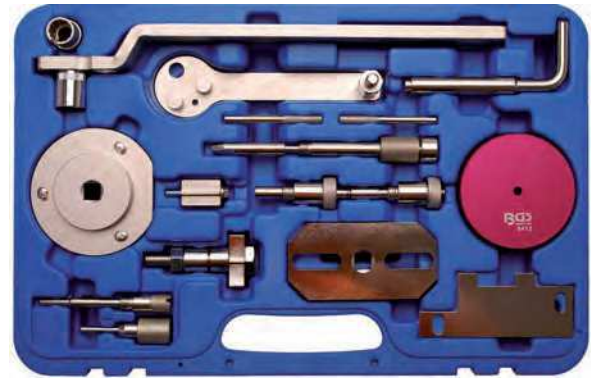


Item #
8422



Timing Tool Set for FIAT and PSA Engines

- includes important tools for adjusting the engine timing
- suitable for Fiat cars with following engines:
 - 2,2 JTD 4HV
 - 2,3 JTD F1AE0481D 120PS
 - 2.3 JTD F1AE0481D 127PS
 - 3.0 JTD
- also suitable for PSA engines:
 - Puma 22DT 4HV 100PS
 - Puma 22DT 4HV 120PS
 - F30DT



Item #
8413



Engine Timing Tool Set for BMW 1.6L

- suitable for timing chain driven petrol engines with Vanos, engine codes N40, N45, N45T (B16)
- for following BMW Models:
 - 116 1.6 i E81/ E 87
 - 316 1.6 i E46 / E90
 - 316 1.6 Ci E46
 - 316 1.6 ti E46
- includes following tools:
 - flywheel locking pin to be used as OEM 119190
 - timing chain pre-tensioning tool to be used as OEM 119340, 119340, 119341
 - camshaft alignment tool (inlet) to be used as OEM 117252
 - camshaft alignment tool (exhaust) to be used as OEM 117251
 - VANOS alignment tool to be used as OEM 117260



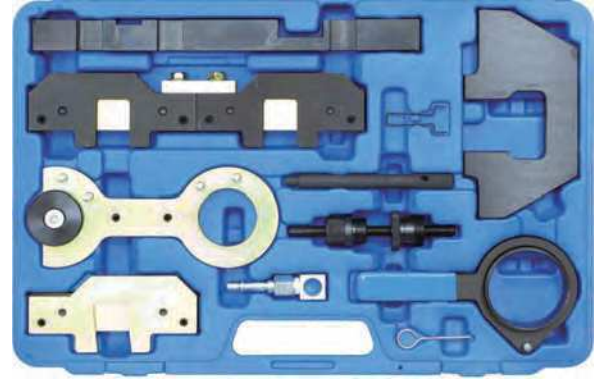
Item #
62614



Engine Timing Tool

11-piece Engine Timing Tool Kit for BMW Engines

- for engine codes:
 - M40, M43
 - M42, M44, M50, M52, M 54, M56 (engines with double camshafts)
- fits followings models:
 - BMW: 3, 5, 7, X3, X5, Z3, Z4 type series E30-31-32-34-36-38-42-46-53-60-61-65-66-83-85)
- contains important tools, e.g. for:
 - camshaft assembling / disassembling
 - M 40 timing belt change
 - valve timing of camshafts
- crankshaft locking tool, to be used as OEM 112300
- camshaft locking tool, to be used as OEM 113190
- camshaft locking tool, to be used as OEM 113240
- chain pre-tensioning tool, to be used as OEM 114220
- camshaft sprocket turning tool, to be used as OEM 115490
- air adapter, to be used as OEM 113450
- chain tensioner locking pin set, to be used as OEM 113290 consisting of locking clip, to be used as OEM 113291 and locking pin, to be used as OEM 113292
- double vanos locking tool, to be used as OEM 116150

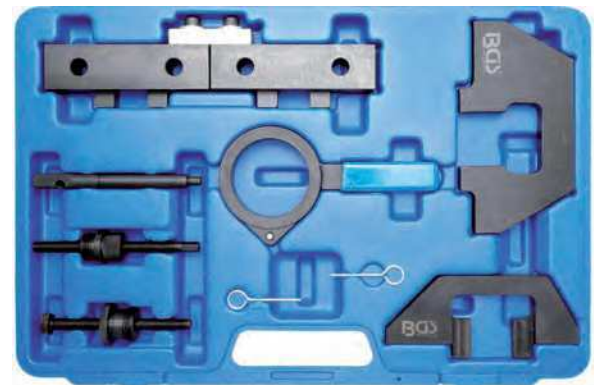


Item #
62615



11-piece Engine Timing Tool Kit for BMW

- contains the following tools:
 - camshaft locking tool, to be used as OEM 113240 fits the following models and engines:
 - M42: 318i (E30 & E36) 318ti Compact (E36)
 - M44: 318is, 318ti Compact (E36), Z3 1.9i (E36 / 7)
 - M50: 320i, 325i (E36), 520, 525 (E34)
 - M52: 320, 323i, 323ti compact, 328i (E36) 320, 323i, 328 (E46), 520, 523i, 528 (E39), 728i (E38) Z3 2.0i, Z3 2.8 (E36 / 7), Z3 2.8i (E36 / 8)
 - camshaft locking tool, to be used as OEM 113190 fits the following models and engines:
 - M40 & M43: 316i, 318i (E30 & E36), 518i (E34)
 - M43: Z3 1.8i (E36 / 7)
 - camshaft locking tool, to be used as OEM 113320 fits the following models and engines:
 - M51: 325td, 325tds (E36), 525td, 525 (E34 + E39), 725tds (E38)
 - tool for VANOS adjuster, to be used as OEM 115490
 - crankshaft locking tool, to be used as OEM 112300
 - tools for chain tensioner, to be used as OEM 113390/114220
 - locking pin for tensioner, to be used as OEM 113292
 - also suitable for identical engines in Opel and Range Rover



Item #
8146



Engine Timing Tool for BMW N43

- for checking and adjusting the engine timing
- suitable for following BMW models:
 - 1 Series E81 / E82 / E87 / E88, 2006-2012
 - 3 Series E90 / E91 / E92 / E93, 2006-2012
 - 5 Series E60 / E61, 2007-2010
- fits on engines:
 - N43 (B16A/AA), N43 (B20A), N43 (B20AA)
 - N43 (B20AY), N43 (B20KO), N43 (B20UO)
- includes important tools:
 - chain tensioner tool
 - camshaft locking tool
 - adjusting tool for vanos
 - balance shaft locking tool
 - crankshaft locking pin
 - chain tensioner locking pin
- to be used as OEM tools:
 - 113340, 118690, 118691, 118692,
 - 118693, 119340, 119341, 119342,
 - 118710, 118711, 118712, 118700,
 - 115120



Item #
8570



Engine Timing Tool Kit for BMW Engines N51, N52, N53, N54

- for engine codes:
 - N51- N52 - N53 - N54
- contains important tools, e.g.:
 - camshaft assembling / disassembling
 - timing belt change
 - checking and adjustment of valve timing
- camshaft locking tool, to be used as OEM 114280
- transmitter wheel locking tool, to be used as OEM 114290
- crankshaft locking tool to be used as OEM 110300
- suitable for following models:
 - 128i, 130i, 135i - E81 / E82 / E87
 - 323i, 325i, 328i, 330i, 335i - E90 / E91 / E92 / E93
 - 523i, 525i, 528i, 530i - E60 / E61
 - 535i, 630i - E63 / E64
 - 730i - E65 / E66
 - X3 2.5 / 3.0 - E83
 - X5 3.0 - E70
 - Z4 2.5 / 3.0 - E85 / E86

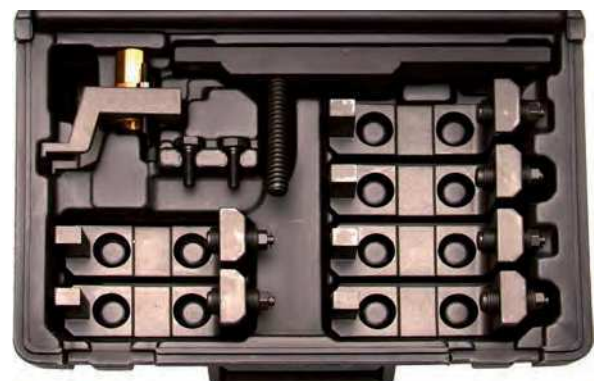


Item #
62619



Camshaft Bearing Cap Tool for BMW N51 / N52

- for installation of the exhaust camshaft bearing strip
- is used when replacing the camshaft
- includes following tools:
 - press-down tool, 2nd cylinder
to be used as OEM 114 461
 - M7 screws (2 pcs.)
to be used as OEM 114 462
 - thrust piece (6 pcs.)
to be used as OEM 114 463
- to be used in combination with BGS 62619



Item #
8794



Engine Timing Tool Set for BMW M52, M54, M60, M62

- for setting and checking the engine timing
- suitable for the following BMW models:
 - 320 E46 - 323 E46 - 325 E46
 - 328 E46 - 330 E46 - 520 E39
 - 520 E60 - 520 E39 - 523 E39
 - 525 E39 - 525 E60 - 528 E39
 - 530 E34 - 540 E34 - 535 E39
 - 530 E39 - 530 E60 - 728 E38
 - 730 E65 - 730 E35 - 730 E32
 - 735 E38 - 740 E32 - 740 E38
 - X3 E83 - X5 E53 - Z3 - Z4 E85
- Camshaft Adjusting Tool (M52, M54)
to be used as OEM 11 6 150
- Vanos Tool (M52, M54)
to be used as OEM 11 3 450
- Camshaft Adjusting Tool Cyl. 1-4 (M60, M62)
to be used as OEM 11 2 445 / OEM 11 2 441
- Camshaft Adjusting Tool Cyl. 5-8 (M60, M62)
to be used as OEM 11 2 442 / OEM 11 2 446
- Chain Tensioner (M52, M54)
to be used as OEM 11 4 220
- Chain Tensioner (M60, M62)
to be used as OEM 11 4 230
- Crankshaft Adjusting Tool
to be used as OEM 11 2 300
- Adaptor (M52, M54)
Tensioner Pin (M60, M62)



Item #
8534



Engine Timing Tool Set for BMW M62 Vanos

- for checking and adjusting the engine timing
- suitable for engine series e.g.:
M62B35, M62B44, M62TUB44
- vanos valve socket
to be used as OEM 116420
- chain block
to be used as OEM 117380
- socket for turning the vanos camshaft
to be used as OEM 116440
- camshaft locking tool
to be used as OEM 116450
- camshaft locking tool
to be used as OEM 112440
- timing chain tensioning tool
to be used as OEM 114230
- crankshaft locking tool
to be used as OEM 112300



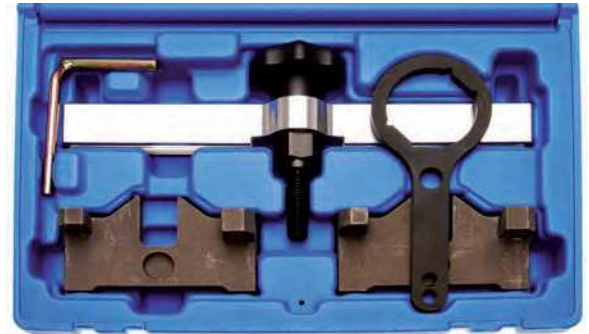
Item #
8602



Engine Timing Tool

Engine Timing Tool for BMW N63

- for adjusting the engine timing when replacing timing chain, cylinder head repair, replacing the cylinder head gasket, etc.
- includes the following tools:
 - crankshaft locking tool
to be used as OEM 118570 / 119190
 - camshaft locking tool
to be used as OEM 119890
consisting of:
 - thumbscrew
to be used as OEM 119891
 - depressing bar
to be used as OEM 119892
 - snap gauge for intake and exhaust camshaft
to be used as OEM 119893
 - spacer
to be used as OEM 119894



Item #
62627



Engine Timing Tool for BMW N42 / N46 / N46T

- for adjusting / checking the engine timing and vanos unit
- suitable for following BMW models:
 - E81 (116i / 118i / 120i) - E87 (118i / 120i)
 - E88 (120i) - E46 (316i / 316ti / 316i / 318ci / 318ti)
 - E90 (318i / 320i) - E91 (318i / 320i) - E92 (320i)
 - E93 (320i) - E60 (520i) - E83 (X3 2.0) - E85 (Z4 2.0)
- includes the following tools:
 - pre-tensioning tool,
to be used as OEM 119340
 - sensor gear alignment tool,
to be used as OEM 113350
 - inlet camshaft locking tool,
to be used as OEM 119292
 - exhaust camshaft locking tool,
to be used as OEM 119291
 - flywheel locking pin,
to be used as OEM 115120
 - camshaft alignment tool,
to be used as OEM 119270
 - screw for camshaft locking tool,
to be used as OEM 119293



Item #
8834



Engine Timing Tool

26-piece Engine Timing Tool Kit for BMW Engines

- for engine codes:
 - N42, N46, B18/-A, B20/-A/-B
- fits followings models:
 - BMW: 1, 3, 5, X3, Z4
(type series E87-46-60-85-83-90-91)
- contains important tools, e.g. for:
 - camshaft assembling / disassembling
 - valve timing of camshafts
- clamps for intermediate lever, to be used as OEM 119310
- bearing bridge holder, to be used as OEM 119320
- thumbscrew, to be used as OEM 119302
- eccentric shaft holder, to be used as OEM 119301
- camshaft locking tool, to be used as OEM 119290
- camshaft locking tool (inlet), to be used as OEM 119302
- clamping tool, to be used as OEM 11940
- spring holder, to be used as OEM 119390
- camshaft sensor tool, to be used as OEM 119350
- screw, to be used as OEM 119390
- camshaft rotation key, to be used as OEM 119270
- crankshaft locking tool (straight), to be used as OEM 112300
- mounting bolts 3x, to be used as OEM 119320
- screw, to be used as OEM 119290
- camshaft locking tool, to be used as OEM 119290
- crankshaft locking tool (angled), to be used as OEM 119190
- mounting bolts, to be used as OEM 119320

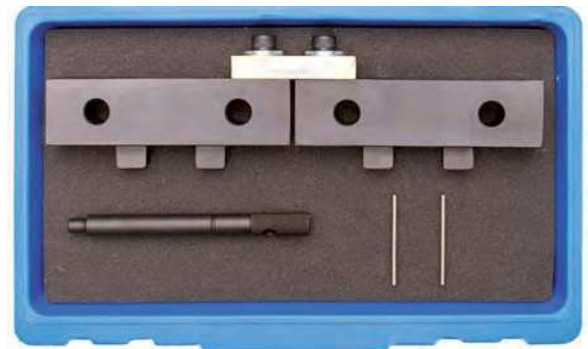


PRO +

Item #	Description
62617	26-piece Engine Timing Tool Kit for BMW Engines
62617-14	Camshaft Locking Tool from BGS 62617 Part 14

Engine Timing Tool Set for BMW M42 / M50

- for adjusting the engine timing after e.g. changing the timing chain or cylinder head gasket
- suitable for BMW engines M42 and M50
- includes:
 - camshaft locking tool
 - flywheel locking tool
- to be used as OEM tools 113240 and 112300



Item #
8747

PRO +

Engine Timing Tool Set for BMW M60 / M62

- for adjusting the engine timing after e.g. changing the timing chain and cylinder head gasket
- suitable for BMW engines M60 and M62
- includes:
 - camshaft locking tool
 - flywheel locking tool
- to be used as OEM tools 112441, 112442, 112445, 112446, 112300



Item #
8748



Engine Timing Tool Set for BMW N47 / N47S / N57

- for adjusting and checking the engine timing
- is required while dismantling and mounting the camshaft replacing the timing chain and cylinder head gasket
- suitable for BMW Diesel engines with engine code N47 - N47S - N57 - N57S, in following models:
 - 116d 118d 120d 123d, type E81 E82 E87 E88 F20
 - 316d 318d 320d 325d 330d type E90 E91 E92 E93 F30
 - 520d 525d 530d 530d GT 535d 535d GT M550d, type E60 E61 F07 F10 F11
 - 640d type F12
 - 730d 740d 750d, type F01
 - X1 1.8d 2.0d 2.3d, type E84
 - X3 1.8d 2.0d 3.0d, 3.5d type E83 F25
 - X5 3.0d 4.0d M5.0d, type E70
 - X6 3.0d 4.0d M5.0d, type E71
- includes following tools:
 - crankshaft turning tool, to be used as OEM 116480
 - camshaft locking tool, to be used as OEM 118760
 - chain wheel puller, to be used as OEM 118740 / 118741
 - crankshaft pulley locking tool, to be used as OEM 115320



Item #
8724



Engine Timing Tool Kit for BMW / Mini / Peugeot / Citroen

- for aligning the new and old version of balance shafts
- prevents noncircular engine running by misaligned balance shafts
- is required when renewing timing chain, crankshaft sealing ring, replacing the cylinder head gasket, etc.
- includes:
 - locking tools for old and new version of balance shaft
 - crankshaft locking tool
 - locking pin for chain tensioner
- suitable for the following engines:
 - BMW: 1.6 (N40 / N45 / N45T, B16, B16A, B16AC)
 - 1.8 / 2.0 (N42 / N46 / N46T)
 - 2.0 / 3.0 (N51 / N52 / N52K / N53 / N54)
 - PSA: 1.4 / 1.6 16V (EP3 / EP6 / EP6DT / EP6DTS)
 - Mini: 1.4 / 1.6 (N12 / N14)
- to be used as OEM 115140, 119280, 119330



Item #
8710



Engine Timing Tool

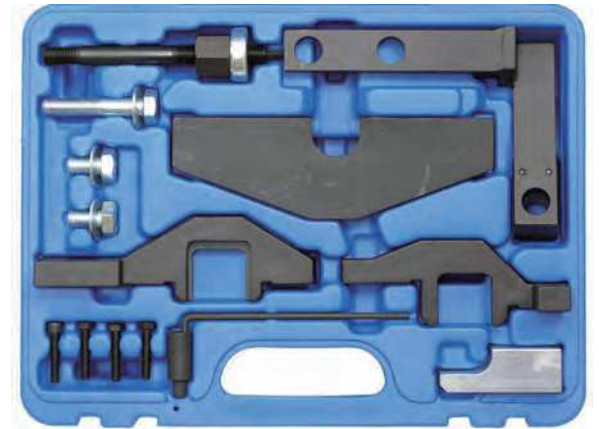
13-piece Engine Timing Tool Kit for BMW Mini

- for engine codes:
 - W10, W11, N14

contains important tools, e.g. for:

- camshaft assembling / disassembling
to be used as OEM 119551 und 119552
 - fixation of crankshaft
to be used as OEM 119590
 - chain tensioner tool
to be used as OEM 119340
- fits followings models:
- Mini: One, Cooper, Cooper S, Cooper S JC
Cooper S JCW type series R50-52-53-55-56-57)

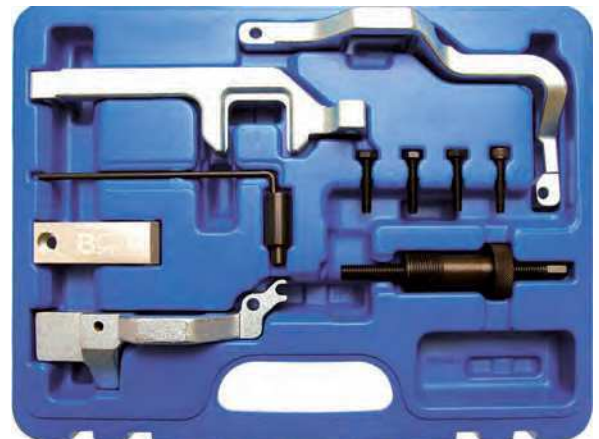
Item #
62618



10-piece Engine Timing Tool Kit for Mini and PSA

- is needed for replacing the cylinder head sealing and motor timing
- suitable for the following Mini models:
One, HB Cooper, Cooper, series R55-56
with motor code N12
- crankshaft locking tool use as OEM 119590
- camshaft locking tool use as OEM 119540
- chain tensioner use as OEM 119340
- also suitable for:
Citroen C4 (08-09), C4 Picasso (08-09)
Peugeot 207 (06-09), 207CC (07-09), 308 (01-09)
with engine:
1,4 VTi (Valvetronic), EP3 (8FS) (Valvetronic)
EP6 (5FW), 1.6THP (Direct Injection), EP6DT (5FX)
EP6DTS(5FY)

Item #
8302



13-piece Engine Timing Tool Kit for BMW Diesel Engines

- for engine codes:
 - M41, M51, M47 - M47 TU/T2, M57 TU/T2 2.0l/3.0l 1998-2008
 - 204D3 / Td4, Td 6
 - M47R
- contains important tools, e.g. for:
 - camshaft assembling / disassembling
 - hydraulic chain tensioner assembling / disassembling
 - valve timing of camshafts
- fits followings models:
 - BMW: 1, 3, 5, 6, 7, X3, X 5 (type series E34-36-38-39-66-83-90-91-92-93)
 - Landrover: Range, Freelander
 - Rover: 75, MG, MG ZT
 - Vauxhall / Opel: Omega-B

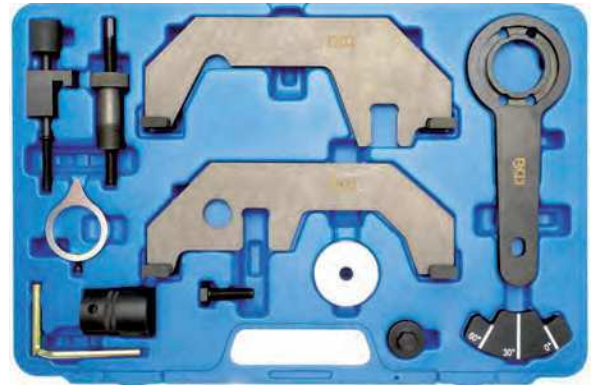


PRO +

Item #	Description
62616	13-piece Engine Timing Tool Kit for BMW Diesel Engines
62616-2	Camshafts Locking Tool for BMW from BGS 62616

Engine Timing Tool Set for BMW N62 / N73

- contains important tools for checking and adjusting of engine timing
- suitable for the following BMW models:
 - E60, E61, E63, E64, E65, E66, E53
 - 540i, 545i, 550i, 645i, 650i, 735i, 740i, 745i, 750i, 760i, X5
- with engines:
 - N62 - B40A / B44A / B48B 2003-2010
 - N62 - B44A / B48B 2003-2010
 - N62 - B36A / B40A / B44A / B48B
 - N73 - B60A 2002-2008
 - N62 - B44A / B48A 2003-2007
- includes the following tools:
 - flywheel locking tool
 - inlet camshaft locking tool
 - exhaust camshaft locking tool to be used as OEM tools: 119190, 119461, 119462, 119463



Item #	8746
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PRO +

8-piece Engine Timing Tool for BMW S54

- for checking and setting camshaft timing when installing VANOS adjustment unit on S54 engines
- suitable for BMW M3 Cabriolet (00-06), Sports Coupe (99-06), CSL Sport Coupe (03-04)
- to be used as OEM 119140, 119130, 119170, 117340, 115100, 17160, 112300



Item #	62634
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PRO +

7-piece Engine Timing Tool for BMW N20/N26

- for checking and setting camshaft timing when e.g. working on the valve train, renewing the cylinder head gasket, etc.
- suitable for following BMW models:
 - 320i (F30) (2.0L N20B20) as of 2012
 - 328i (F30) (2.0L N20B20) as of 2012
 - X1 xDrive20i / sDrive20i (E84) (2.0L N20B20) 2010-2012
- to be used as OEM 83302212831, 83302212830, 83302219548, 119340



Item #	PRO +
62637	

Double Vanos Adjustment Tool for BMW M52TU / M54 / M56

- for setting the vanos units on BMW M52TU / M54 / M56 engines
- includes following special tools:
 - camshaft locking bar, to be used as OEM 113240
 - pressure adapter, to be used as OEM 113450
 - secondary sprocket mounting device, to be used as OEM 116180



Item #	PRO +
8743	

Balance Shafts Adjusting Tool for BMW N40 / N42 / N45 / N46

- for adjusting the balancer shaft



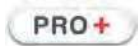
Item #	PRO +
8832	

Crankshaft Counterholder for BMW M52TU, M54, M56

- for holding the crankshaft pulley while loosening or tightening the middle pulley bolt
- allows safe and damage-free removal / installation
- to be used with a 1/2" ratchet, sliding bar, etc.



Item #
8745



Crankshaft Counterholder for BMW M52TU / M54 / M56

- for holding the crankshaft pulley while loosening or tightening the middle pulley bolt
- allows safe and damage-free removal / installation



Item #
8744



Crankshaft Rotating Tool for BMW M52, M54, M56

12.5 1/2

- for holding the crankshaft pulley while loosening or tightening the middle pulley bolt
- allows safe and damage-free removal / installation
- to be used as OEM 116480



Item #
8742



4-piece Crankshaft Locking Tool Set for Ford Transit 2.2 TDCi

- suitable for Ford Transit 2.2 until 2006
- for locking crankshaft and flywheel
- allows the TDC sensor position to be set after working on cam chain drive system
- crankshaft locking tool to be used as OEM 303-1587
- flywheel locking tool to be used as OEM 21-251 / 303-698
- timing pump locking pin to be used as OEM 0188H / 1860965000



Item #
8896



Timing Chain Pre-Tensioning Tool for BMW N63

- is required when setting the engine timing
- an adjustment of the engine timing without this tool may lead to incorrect setting
- to be used as OEM 119900

Item #
62626



5-piece Engine Timing Tool Kit for Ford Focus

- for replacing the cam belt on Ford Focus 1.6 Ti-VCT engines, engine code HXDA (2003-2007) and 2.0 TDCI with engines codes G6DA, G6DB, G6DC 2003-2007

- camshaft sprocket holding tool to be used as OEM 303-1097
- tensioner pulley locking pin to be used as OEM 303-1054
- flywheel timing pin to be used as OEM 303-1059, 303-1270, 0188X, 999-7121
- crankshaft timing pin to be used as OEM 303-748, 999-7152, 21-259
- camshaft sprocket locking tool to be used as OEM 303-735, 999 7122, 0187B, 0189B, 0132AJ1, 21-263, 0188M, MOT 1430, 303-1277, 0194B

Item #
8218



Locking Tool Set Ford 2.0 / 2.4 TDCi

- suitable for Ford 2.0 + 2.4 16V TDCi and TDDi engines, installed on Mondeo, Transit ('01-'04), etc.
- for engine codes FMBA / B, D5BA, ABFA, D3FA, F3FA, D2FA, D4FA, F4FA
- for locking or positioning of the cam, injection pump and crankshaft
- needed for chain changes, engine repairs and work on the injection pump

Item #
8317



Engine Timing Tool Set for Ford

contains important tools for adjustment of:

- flywheel
- crankshaft
- camshaft / pump shaft
- fuel injection pump shaft
- belt pulley
- tensioning of the timing belt
- includes adjusting gauge for camshaft, crankshaft, pumpshaft
- complete classification chart included
- for e.g.: 1.4 ltr. + 1.6 ltr 16V + 1.7 ltr. + 1.8 ltr. 16V + 2.0 ltr. 16V (also Zetec)
- 1.4 ltr. - 1.6 ltr. - 1.8 ltr. and 1.9 ltr. D/TD/TDCi

PRO +

Item #	Description
8156	Engine Timing Tool Set for Ford
8156-1	Camshaft Alignment Tool Ford, from BGS 8156
8156-2	Crankshaft Locking Tool Ford, from BGS 8156
8156-3	Injection Pump Locking Tool 15.4 Ford, from BGS 8156
8156-4	Crankshaft Locking Tool Ford, from BGS 8156
8156-5	Crankshaft Locking Tool Ford, from BGS 8156
8156-6	Fixing Pin 8.2 mm Ford, from BGS 8156
8156-12	Feeler Gauge Ford, from BGS 8156
8156-14	Crankshaft Locking Tool 12.7 mm Ford, from BGS 8156
8156-17	Camshaft Holding Tool Ford, from BGS 8156
8156-18	Handwheel Ford, from BGS 8156
8156-19	Camshaft Adjusting Ruler from BGS 8156



Engine Timing Tool

Timing Tool Set for Fiat, Ford, Lancia 1.2 & 1.4 8V

- facilitates changing of the timing belt and allows checking of the engine timing on following cars:
 - Fiat: 500 (07-12), Doblo/Cargo (05-10), Grande Punto (07-12), Idea (04-12), Linea (07-11), Panda EVO2, Punto EVO (09-12)
 - Lancia: Ypsilon (06-11), Musa (05-12)
 - Ford: Ka (09-12)
- fits following engines models:
 - Fiat: 1.2/1.2 Dualogic, 169A4.000, 188A4.000 (EVO2), 199A4.000
 - 1.4/1.4 Bi-Fuel LPG / 1.4 Natural Power CNG, 199A7.000, 350A1.000
 - Lancia: 1.4/1.4 Bi-Fuel LPG, 350A1.000
 - Ford: 1.2 Duratec, 169A4.000 (FP4)
- includes following tools:
 - Crankshaft Locking Tool to be used as OEM 2.000.004.500 on Fiat/Lancia and OEM 303-1480 on Ford
 - Camshaft Setting Tool to be used as OEM 2.000.004.400 on Fiat/Lancia and OEM 303-1479 on Ford
 - Camshaft Sprocket Locking Tool to be used as OEM 2.000.004.200 on Fiat/Lancia and OEM 303-1477 on Ford
 - Camshaft Cover Aligner to be used as OEM 2.000.004.300 on Fiat/Lancia and OEM 303-1478 on Ford
 - Tensioner Adjuster to be used as OEM 1.860.987.000 on Fiat/Lancia



Item #
8578

PRO +

3-piece Engine Timing Tool Kit for Ford Gasoline Engines

- fits for gasoline engines 1.25 L, 1.4 L, 1.6 L, 1.8 L, 2.0 L Zetec und Zetec SE Engine
- includes:
 - crankshaft timing tool to be used as OEM 303-748, 999-7152, 21-259 9997152, 303-574, 21-163, 303-620, 999-7201 303-507, 999-715, 21-210
 - camshaft alignment plate to be used as OEM 303-376, 303-376B, 999-7151



PRO +

Item #	Description
8215	3-piece Engine Timing Tool Kit for Ford Gasoline Engines
8215-1	Camshaft Locking Tool for Ford

Crankshaft Locking Pin for Ford Zetec / Duratec

- suitable for Ford Zetec SE & Duratec 1.25, 1.4, 1.6l engines, as in Fiesta, Fusion and Focus
- to be used as Ford OEM 303-748, 21-259 Mazda OEM 49J E02 061, Volvo OEM 999 7201



Item #
8671



Engine Timing Tool Set for Ford 2.0 / 2.4 Duratorq Diesel

- is needed when working on timing chain, cylinder head, etc.
- includes flywheel, pump, camshaft and chain tensioner locking pin to be used as OEM 21-234, 21-251
- suitable for Ford Mondeo and Transit 2.0 l / 2.4 l Duratorq 16V (Tddi and TDCi) engine code: ABFA, D2FA, D3FA, D5BA, D6BA, D0FA, F1FA, F3FA, F4FA, FMBA / B, FXFA, H9FA, H9FB, HJBA / B, HJBC, HJBE, JXFA, N7BA / B, PHFA, SDBA



Item #
8672



Engine Timing Tool Set for Ford TDCi / PSA Hdi / Mazda D 1.4 & 1.6

- is required when changing the timing belt, repairing cylinder head, etc.
- suitable for Ford 1.4 and 1.6 L engines G8DA, G8DB, HNDA 2004-2006 and comparable engines in Mazda, Citroen and Peugeot
- contains timing pins for camshaft and crankshaft to be used as: Ford OEM 21-260, 21-262, 21-263, 303-732, 303-734, 303-735, 999-7121, 5711-TD, 07744-00104-00, 18G 1580, 4527-TS2, 999-7169, 999-7122, Citroen / Peugeot OEM 0194C, 0194A, 0178D, 0194B, 0187B, 0189B, 0132AB



Item #
8673



Engine Timing Tool

Engine Timing Tool for Opel/GM 2.0/2.2 Ecotec Diesel

- for setting the engine timing
- suitable for the following Opel / Vauxhall vehicles:
 - Vectra 2.0 Turbo Diesel
 - Sintra 2.2 Turbo Diesel
 - Zafira 2.0 Turbo Diesel
 - Frontera 2.2 Turbo Diesel
 - Saab 9-3 2.2 Turbo Diesel
- includes following tools:
 - adjustment wrench with bracket assembly to be used as OEM KM933
 - injection pump timing pin to be used as OEM KM927
 - crankshaft setting pin to be used as OEM KM929
 - camshaft setting plate to be used as OEM KM932



Item #
8785



Engine Timing Tool Kit for Fiat / Ford / Suzuki Diesel

- for checking and adjusting the engine timing
- suitable for the following models:
 - Fiat Punto 1.3 JTD Multi-Jet 188A9.000 2003-2007
 - Panda 1.3 JTD Multi-Jet 169A1.000 & 188A8.000 2003-2009
 - Idea 1.3 JTD Multi-Jet 199A3.000 & 188A9.000 2004-2006
 - Doblo 1.3 JTD Multi-Jet 188A9.000 2004-2006
 - Doblo Cargo 1.3 JTD 188A9.000 2004-2006
 - Opel (Vauxhall): Agila 1.3 CDTi Z13DT 2003-2008
 - Corsa C 1.3 CDTi Z13DT 2003-2007
 - Combo C 1.3 CDTi Z13DT 2003-2009
 - Corsa D 1.3 CDTi Z13DTH & Z13DTJ 2006-2009
 - Astra H 1.3 CDTi Z13DTH 2004-2009
 - Tigra B 1.3 CDTi Z13DT 2004-2009
 - Meriva 1.3 CDTi Z13DT & Z13DTJ 2004-2009
 - Suzuki: Ignis 1.3 CDTi Z13DT 2003-2009
 - Wagon 1.3 CDTi Z13DT 2003-2009
 - Swift 1.3 CDTi Z13DT 2003-2010
 - Ford KA 1.3 TDCi
- includes the following tools:
 - counterholding tool for crankshaft pulley, to be used as Fiat Ford OEM 1871000200 OEM 303-1469 Opel / Vauxhall OEM KM-662-C
 - crankshaft adjustment tool, to be used as Opel (Vauxhall) OEM EN 46785 Opel (Vauxhall) OEM KM 955, Suzuki 09912-38300
 - camshaft adjustment tool, to be used as Fiat OEM 1871000900 / 1860985000 Ford OEM 303-1472, Opel (Vauxhall) OEM EN 46781 Suzuki OEM 09917-68610
 - chain tensioning lever, to be used as Fiat OEM 1870900400
 - crankshaft locking tool, to be used as Fiat OEM 1870900300



Item #
8669



Engine Timing Tool

Timing Tool Kit for Opel 1,0-1,2-1,4L

- includes important tools for e.g.:
 - changing the timing chain and other jobs on the valve train
 - working on the intake and exhaust camshafts
 - fixing the crankshaft
- suitable for following car models:
 - OPEL 1.0 - 1.2 - 1.4 l (1997-2007)
 - Agila (Z10XE - Z12XE - Z10XEP - Z12XEP)
 - Corsa B (X10XE - X12XE)
 - Astra G / H (X12XE - Z14XEL - Z14XEP)
 - Corsa Combo C (X10XEP - X12XEP - Z14XEP)
 - Meriva (Z14XEP)
 - Tigra B (Z14XEP)
 - Agila, Corsa 1.0 12V and 1.2 16V
- includes following tools:
 - camshaft adjusting ruler
 - crankshaft locking pin
 - pulse disc adjusting tool
 - timing chain tensioner pin
- to be used as OEM KM953, KM952, KM954, KM955



Item #	PRO +
8303	

12-piece Engine Timing Tool Set for Renault / Opel / Nissan

- for Renault, Opel, Nissan common rail engines (1,5 - 1,9 - 2,2 - 2,5 ltr.)
- contains many tools needed for positioning and locking the crankshaft and camshaft when repairing the timing belt and engine
- for Renault Avantime, Clio, Espace, Kangoo, Laguna, Master, Megane, Modus, Scenic, Twingo, Trafic
- for Opel Movano, Vivaro
- for Nissan Almera, Interstar, Kubistar, Primastar, Note, Micra, Primera, Qashqai
- complete classification chart included



Item #	PRO +
62505	

Locking Tool Kit for Opel/Vauxhall Ecotec V6 Engines

- clamping kit for Opel/Vauxhall Ecotec V6 engines with multiple valve technique
- includes all necessary tools for clamping / locking crankshaft and camshaft
- suitable for e.g. following Opel models:
 - Calibra 2.5 V6 (Bj. 93-98)
 - Cavalier 2.5/2.6 V6 (Bj.93-95)
 - Omega B 2.5/2.6 V6 (Bj.94-03)
 - Omega B 3.0/3.2 V6 (Bj.94-03)
 - Signum 3.2 V6 (Bj.03-05)
 - Sinatra 3.0 V6 (Bj.96-99)
 - Vectra A/B/C 2.5/2.6/3.2 V6 (Bj.93-05)

- content:
- crankshaft locking device
 - adjustment gauge for camshaft
 - locking device for drive belt
 - locking the left camshaft
 - locking the right camshaft



Item #	PRO +
1779	

Engine Timing Tool

Opel Engine Timing Tool Kit

contains important tools for:

- locking the camshaft and crankshaft
 - assembly and removal of fuel injection pump and water pump
 - tensioning and changing of the timing belt
 - belt pulley and flywheel
- complete classification chart included

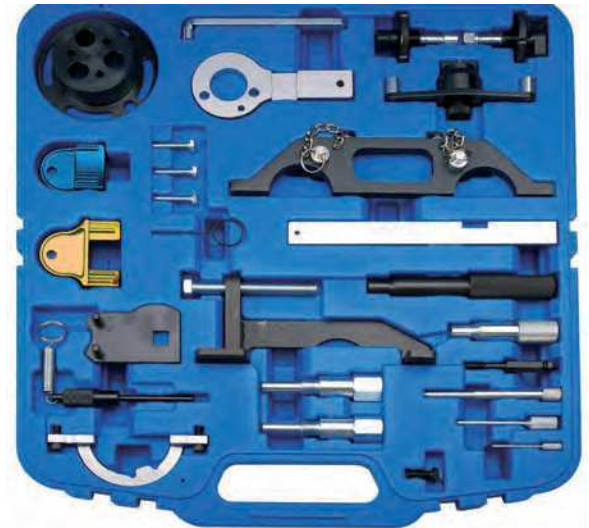
suitable for:

- Opel Z 19 DT / Z 19 DTH engine (OHC und DOHC) e.g. in Vectra C and Signum '04
- Opel Z13 DT engines e.g. in Corsa and Combo '04
- Opel with Z 22 SE engine in Astra G, Vectra C, Zafira, Signum and Speedster Vx220 since '00 - '04
- Opel with 1.0l - 12V, 1.2l and 1.4l 16V petrol engines (X10XE, Z10XE, Z10XEP, X12XE, Z12XE, Z14XEP) e.g. Corsa, Agila, Astra and Meriva
- Opel 2.0l and 2.2l Ecotec diesel-engines (X20DTL, X20DTH, X22DTH) e.g. Astra, Astra, Caravan, Zafira, Vectra, Omega, Sintra and Frontera

Engines may be identical in construction to Renault and Saab

PRO +

Item #	Description
8151	Opel Engine Timing Tool Kit
8151-1	Water Pump Locking Tool Opel, from BGS 8151
8151-2	Camshaft Locking Tool Opel, from BGS 8151
8151-3	Camshaft Locking Tool Opel, from BGS 8151
8151-6	Adjusting Ruler for Pick-Up Disk Opel, from BGS 8151
8151-8	Crankshaft Locking Tool Opel, from BGS 8151
8151-10	Locking Pin for Timing Chain Tensioner Opel, from BGS 8151
8151-12	Camshaft Locking Tools Opel, from BGS 8151
8151-16	Camshaft Alignment Tool Opel, from BGS 8151
8151-17	Crankshaft Locking Tool Opel, from BGS 8151
8151-19	Addition for Crankshafts Locking Tool Opel, from BGS 8151
8151-22	Tensioner Locking Tool Opel, from BGS 8151



Timing Tool Set for Opel / Vauxhall, Chevrolet 2.0 CDI

- for 2.0L common rail diesel engine with engine code: Z20DM - Z20DMH - LLWZ20DMH - RA420 Z20SI - Z20S3 - Z20S4 - Z20S5
- for changing the timing belt and checking the engine timing
- holds camshaft and crankshaft in the correct position
- camshaft locking tool to be used as OEM EN-48245
- crankshaft locking pin to be used as OEM EN-48246

Item #
66202

PRO +



Timing Tool Set for Opel Vectra, Signum, Zafira

- includes following tools for setting engine valve timing on 2.2L 16v timing chains:
 - camshaft locking tool
 - locking pin for chain tensioner
 - counterholder for crankshaft
 - locking tool for water pump
- suitable for:
 - Astra G (2000 - 2006)
 - Speedster / (Vauxhall) VX220 (2000-2006)
 - Vectra B / C (2000-2008)
 - Signum (2003-2008)
 - Zafira A / B (2000-2008)
 - with engine code Z22SE and Z22YH



Item #	PRO +
62506	

Engine Timing Tool Set for Opel 1.2 / 1,4L

- for adjusting the engine timing
- suitable for following Opel / Vauxhall models:
 - Adam 1.2 LWD - 1.4 L2Z - 1.4 LDD (2012)
 - Ampera 1.4 LUJ / A14XFL (2011)
 - Astra J 1.4 LDD / A14XER - 1.4 LDD / A14XEL
1.4 LUJ / A14NET - 1.4 LUJ / A14NEL
1.4 LUJ / A14NET (2009)
 - Corsa D 1.0 A10XEP - 1.2 A12XEL - 1.2 A12XER
1.4 A14XEL - 1.4 A14XER - 1.2 A12XER
1.4 A14NEL (2009)
 - Insignia 1.4 LUJ / A14NET (2011)
 - Meriva B 1.4 LDD / A14XER - 1.4 LUJ / A14NET
1.4 LUH / A14NEL (2010)
 - Mocha 1.4 LUJ / A14NET (2012)
 - Zafira Tourer C 1.4 LUJ / A14NEL
1.4 LUJ / A14NET (2011)
 - Aveo 1.2 L2Q / A12XEL - 1.2 LDC / A12XER
1.2 LWD / A12XEL - 1.4 LDD / A14XEL
1.4 LDD / A14XER (2011)
- includes the following tools:
 - camshaft sensor disc setting tool
to be used as OEM EN-49977-100
 - intake camshaft adjusting tool
to be used as OEM EN-49977-200
 - camshaft sensor positioning tool
to be used as OEM EN-49978
 - chain tensioner pin 4 mm
to be used as OEM KM 955-1
 - belt tensioner pin 2.5 mm
to be used as OEM KM 955-2
 - 2x camshaft locking tool
to be used as OEM KM-952 / 953-A



Item #	PRO +
8857	

Engine Timing Tool Set for Nissan, Renault, Opel

- includes important tools for adjusting the engine timing
- suitable for following models:
 - Nissan: Primaster (08-09), Qashqai (08-09), X-Trail (07-08) with engine codes: M9R 780, 830, 832, 833
 - Renault: Koleos (08-09), Laguna (05-08), Mengane (07-08), Scenic (08-09) Trafic (07-08), Vel Satis (08-09) engine codes: M9R 700, 721, 724, 740, 742, 446, 760, 761, 780, 802, 803, 805, 830, 832, 833
 - Vauxhall/Opel: Vivaro (07-08) engine codes: M9R 780, 782, 784

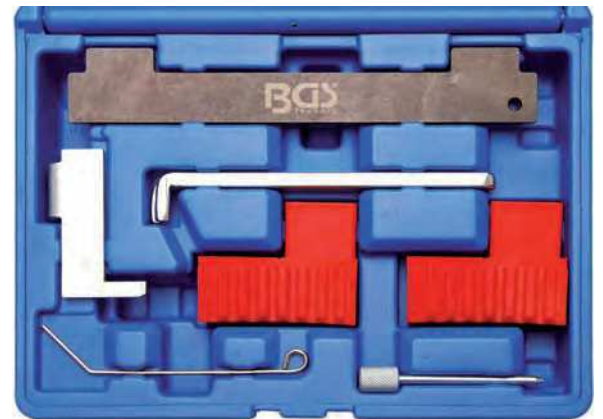


Item #
8421



Engine Timing Tool Set for Opel 1.6 / 1.8L

- contains tools for locking the camshaft and crankshaft
- suitable for 1.6 and 1.8 L engines with timing belt, installed in Opel / Vauxhall, Chevrolet, Fiat, Alfa Romeo (2003-2012), e.g. Astra G / H, Corsa D, Insignia, Meriva, Signum, Vectra C, Zafira B (2003-2011)
- also suitable for Chevrolet Cruze, Orlando 1.4 - 1.6 - 1.8 and Fiat Croma, Alfa Romeo 159 with engines 939A4.000
- to be used as OEM tools:
 - KM-6628-A, 2000012000
 - KM-6340, 2000012100
 - KM-6333
 - KM-6625, 2000012800
 - KM-6349, KM 6130
 - KM-911

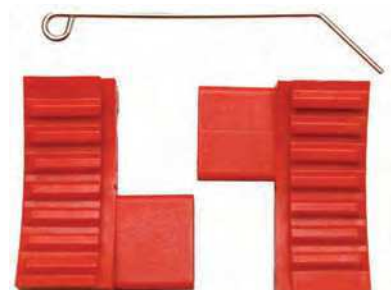


Item #
8697



Camshaft Locking Tool for Opel 1.6 I

- contains important tools for controlling and adjusting the engine timing
- fits on Opel / Vauxhall models:
 - Astra G and H, 1.6 L / Turbo, year 03-08 with engine codes: Z16 LER - Z16 LET - Z16 XE1 - Z16 XEP
- camshaft locking tool, to be used as OEM 21-163 / 303-620
- tensioner locking pin, to be used as OEM 21-210 / 303-507



Item #
8721



Engine Timing Tool

Setting and Timing Tool for Diesel Pumps

- for F8Q and F9Q diesel engines with adjustable pump wheel
- used in Renault Megan / Scenic / Kangoo, Mitsubishi Carisma, Opel / Vauxhall Arena, Volvo S40/V40 etc.
- special socket with 27 mm hexagon and 1/2" drive
- setting tool with 3 x 4 mm pins to adjust the pump
- adapter for Bosch pumps 8 to 10 mm

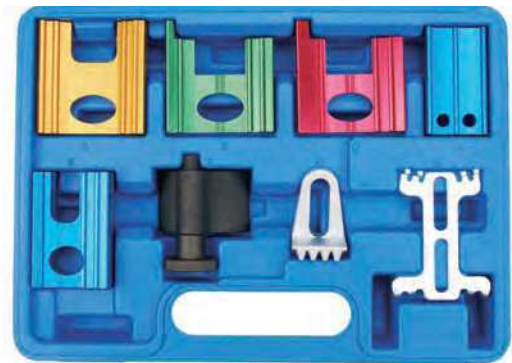


Item #
8281

PRO +

8-piece Timing Locking Tool Kit, fitting for most Models

- all purpose set fits nearly all models:
- camshafts Opel Calibra, Omega, Sintra, Vectra -1,8 / 2,0
- camshafts Opel Calibra, Omega, Sintra, Vectra -1,4 / 1,6
- right camshaft Saab 900,900 -2,5 / 3,0 , Opel Calibra, Sintra, Vectra -2,5/3,0
- left camshaft: Saab 900,900 -2,5 / 3,0 , Opel Calibra, Sintra, Vectra -2,5/3,0
- camshaft locking tool for VW, Audi, Skoda, Seat und Ford
- flywheel holding tool for Citroen, Fiat und Peugeot
- flywheel holding tool for Isuzu 1,5 / 1,7 Diesel, Opel: 1,6 / 1,7 Diesel, Opel 1,2 / 1,4 / 1,6 / 1,8 / 2,0 OHC



Item #
1775

PRO +

Camshaft Locking Tool for Opel Astra, Vectra

- for OPEL
- Astra G 1.7 TD,
 - Astra-G 2.0 16v,
 - Vectra 1.8/2.0 16v (1995 and newer)



Item #
1769

PRO +

Camshaft Locking Tool for Opel Astra, Vectra, Zafira

- suitable for Opel 1.4, 1.4 Turbo, 1.6, 1.6 T, 1.8 16V
Opel Astra F from 1992 till 1997,
Astra G from 1998 till 2003,
Astra H from 2004 till 2009,
Astra J from 2010 till today,
Corsa B from 1993 till 2000,
Corsa C from 2001 till 2006,
Corsa C Combo from 2002 till today,
Corsa D from 2007 till today,
Meriva from 2003 till 2010,
Signum from 2003 till 2008,
Tigra A from 1995 till 2003,
Tigra B Roadster from 2004 till 2009,
Vectra B from 1996 till 2002,
Vectra C from 2003 till 2008,
Zafira A from 1999 till 2004,
Zafira B from 2005 till 2010
- engine codes:
A14NET (LUJ), A14XER (LDD), X14NZ, X14SZ,
X14XE, X16SZR, X16XE, X16XEL, Z14XE, Z14XEP,
Z 16LET, Z16XE, Z16XER, Z18XE, Z18XER



Item #
1770



Camshaft Locking Tool, fits most Rover + MG Models

- 33,5 x 44,5 x 15 mm



Item #
1764



Flywheel Locking Tool

- for Citroen-Fiat-Peugeot

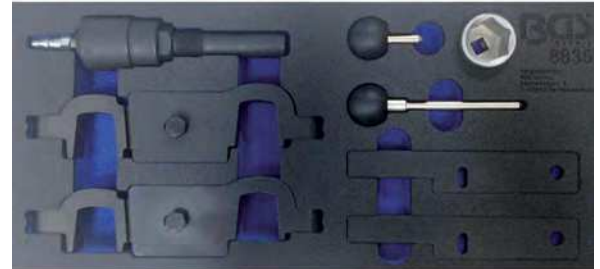


Item #
1771



Engine Timing Tool for Porsche Cayenne

- for adjusting the camshaft timing
- is required when renewing cylinder head sealings, changing camshaft, etc.
- includes following tools
- camshaft gauges suitable for Panamera / Cayenne after 2008, to be used as OEM 9678/1
- camshaft gauges, suitable for Cayenne, to be used as OEM 9678
- auxiliary chain tensioner suitable for Cayenne after 2008, to be used as OEM 9683/1
- 27 mm socket, 3/8" drive, 30 mm length, suitable for Cayenne, to be used as OEM 9714
- crankshaft aligning tool, to be used as OEM 9595/1



Item #
8835



Engine Timing Tool for Porsche 911 (996/997)

- for adjusting the camshaft timing
- is required when renewing cylinder head sealing, changing camshaft, etc.
- includes:
- camshaft alignment tool, suitable for 996 / 997, to be used as OEM 9685
- locking pin, suitable for 997, to be used as OEM 9595, 9595/1
- camshaft locking tool, suitable for M97 / 01, to be used as OEM 9686



Item #
8837



Timing Tool Set for Porsche Boxster & 911

- for adjusting the engine timing
- suitable for following Porsche models:
 - Boxster 2500 ccm, as of 1998
 - Boxster 2700 ccm, as of 2000
 - Boxster 3200 ccm, as of 2000
 - 911 Carrera 4S - 3600 ccm, as of 2002
 - 996 - 3400 ccm, as of 2002
 - engine codes 996 / 997 / 986 / 987
- includes important tools, e.g.:
 - camshaft alignment tool
 - crankshaft alignment tool
 to be used as:
 - OEM 9595, 9612, 9611, 9634, 9608, 9602



Item #
8836



Engine Timing Tool

Engine Timing Tool Set for Renault

contains important tools for adjustment of:

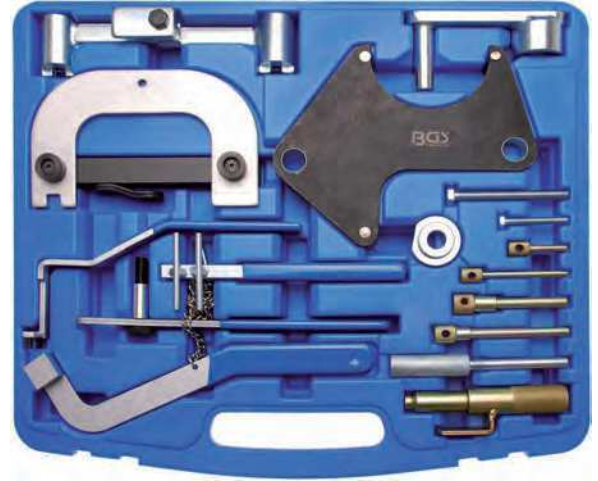
- flywheel
- crankshaft
- camshaft / pumpshaft
- fuel injection pump shaft
- belt pulley
- tensioning of the timing belt
- includes adjusting gauge for camshaft, crankshaft, pumpshaft

- complete classification chart included

- for i.e. 1.4 ltr. + 1.6 ltr. + 1.8 ltr. + 2.0 ltr. each with 16 valve
- 2.5 ltr. 20V with double camshaft
- 1.2 ltr. + 1.4 ltr. + 1.6 ltr. + 1.7 ltr. + 1.8 ltr. + 2.0 ltr. + 2.2 ltr.
- diesel engines 1.9 ltr. + 2.5 ltr. + 2.8 ltr.
(partly identical with Opel Arena/Movano and Volvo V/S 40)

PRO +

Item #	Description
8154	Engine Timing Tool Set for Renault
8154-1	Camshaft Tool Renault, from BGS 8154
8154-2	Crankshaft Locking Tool Renault, from BGS 8154
8154-4	Flywheel Locking Tool from BGS 8154
8154-15	Clamping Tool for Renault from BGS 8154



Camshaft Locking Tool for Renault 1.8 & 2.0 16V

- for locking the camshaft sprocket to be used as MOT 1509-01, 1509
- suitable for:
Renault Laguna II (2001-09),
Clio II (2002-09),
Scenic (2002-09),
engine codes: 700, 701, 712, 713, 714, 715, 720, 721, 722, 730, 732, 736, 738, 740, 741, 744, 746, 747, 760, 761, 762, 763, 764, 765, 766, 767, 770, 771, 773, 774, 774, 775, 776, 784, 786, 787, 790, 792, 794, 797, 830, F4P, F4R

Item #
8577

PRO +



Locking Tool for Injection Pump Sprocket, Renault

- for locking the injection pump sprocket for timing belt replacement and other works when dismantling of the timing belt is required
- suitable for Renault Clio, Megane, Laguna, Kangoo with 1.9 TDi engine code numbers: F9Q
- to be used as OEM tool 1200-01

Item #
8407

PRO +



Timing Tool Set for Renault / Volvo 16V & 20V Petrol Engines

- contains important tools for adjusting the engine timing
- fit Renault Laguna (96-99) and Safrane (96-01) models with engine codes N7Q 704, 710, 711 - N7U 700, 701
- also suitable for Volvo models: 850 (92-97) - C70 (98-02) - S40 (96-04) - V40 (96-04) S60 (01-05) - S70 (97-00) - S80 (99-05)
- 1.6 - 1.8 - 1.9 - 2.0 - 2.3 - 2.4 - 2.5l twin cam
- with engine codes:
B4164 S/S2
B4184 S/S2/S3/S9/S10
B4194 T/T2
B4204 S/S2/T/T2/T3/T5
B5202 FS
B5204 FT/T2/T3/T4/T5
B5234 T3/T4/T5/T6/T7/T8/T9
B5244 S/S2/SG/SG2/T3/T4/T5/T7
B5252 FS
B5254 T/T2/T4



Item #	PRO +	
8417		

Engine Timing Tool Kit for Renault 1.5 / 1.9 DCI

- includes important tools for easy change of timing belt
- suitable for Renault Laguna, Clio and Kangoo with 1.5 and 1.9 DCI engine
- crankshaft locking pin to use as: OEM MOT 1489
- camshaft / crankshaft timing pin to use as: OEM 0194B, 999-7122, 21-263, MOT 1430, 0187B, 0189B
- TDC Timing Pin to use as: KM603 OEM, MOT 1054 MOT 861 MOT 863



Item #	PRO +
8145	

7-piece Engine Timing Tool Kit for VAG

- fits for 2.0 L FSI and TFSI engines, e.g. Golf, Touran, Audi A3, engines codes AWA, BMB, AXW



Item #	PRO +
8219	

Engine Timing Tool

5-piece Engine Timing Tool Kit for VW Diesel Engines

- for engine codes AAB, AJA, BJJ, BJK, BJL, BJM
- for VW Transporter 2.4D (95-03), Crafter 2.5TDI (06-09) and LT Models
- to be used as OEM T10025 - 2065A - 2064



Item #
8216



Engine Timing Tool Set for VW Polo, Lupo

- for VAG 1.2 L 3-cylinder engines
- includes following tools:
 - camshaft locking tool, to be used as OEM T10123
 - camshaft locking tool, to be used as OEM T10120
 - crankshaft locking tool, to be used as OEM T10121
- suitable for models with engine codes:
 - Fabia 1,2l 12V AWY, AZY, BMD, BME
 - Polo 9N 1,2l 12V AWY, AZY, BMD, BME
 - A3 1,2l 12V AWY, AZY, BMD, BME



Item #
8158



Engine Timing Tool Set for AUDI V6 30V

- suitable for Audi A4, A6, A8 with engine codes: ASN, AVK, BBJ
- for timing belt replacement and repair work on the engine
- easy mounting of the belt as camshaft and crankshaft are fixed
- contains:
 - 2 camshaft fixer tool, to be used as OEM T40030
 - crankshaft fixer tool, to be used as OEM T40026
 - tension roller key, to be used as OEM 3387
 - socket for basic adjustment of the camshaft adjuster to be used as OEM T40028
 - pins for clamping element, to be used as OEM T40011



Item #
8299



Engine Timing Tool

VW / Audi Engine Timing Tool Kit

- suitable for 1.8 L and 1.6L Turbo FSI engines
- crankshaft counterholder similar to OEM 3036
- camshaft setting tool similar to OEM T10171
- counterholder for timing chain sprocket, camshaft, vibration damper similar OEM T10172
- adaptors for counterholder similar OEM T10172
- holder for chain adjuster for assembly and disassembly of the chain adjuster similar to OEM T20018 / 3366
- for following car models

Audi:

- A3 1,8Turbo (AGN AGU AJQ APG APP AQA ARX ARY ARZ AUM AUQ) 1996-2003
- A3 1,6FSI (BAG) 2003-2006
- S3 1,8Turbo (AMK APY BAM) 1996
- A4 1,8Turbo (ADR AEB AJL AJP ANB APU AVJ AWT) 1994-2006
- A6 1,8Turbo (ADR AEB AJL AJP ANB APU AVJ AWT) 1994-2006
- Cabriolet 1,8 (ADR) 1997-2000
- TT 1,8Turbo (AJQ APP APX AUM AUQ BAM) 1998-2006

Volkswagen:

- Beetle 1,8Turbo (AVC) 1999-2006
- Touran 1,6 FSI (BAG BLP) 2003-2007
- Golf 1,8Turbo (AGN AGU AQA ARZ AUM AUQ) 1997-2005
- Bora 1,8Turbo (AGN AGU AQA ARZ AUM AUQ) 1997-2005
- Passat 1,8Turbo (ADR AEB ANB APT APU ARG AWT) 1996-2005

Seat:

- Sharan 1,8Turbo (AJH AWC) 1997-2007
- Ibiza 1,8Turbo (AQX AYP) 1999-2002
- Cordoba 1,8Turbo (AQX AYP) 1999-2002
- Leon 1,8Turbo (AJQ AQN APG APP APT ARYAUQ) 1999-2005
- Toledo Turbo (AQN APG APT ARY AUQ) 1999-2005
- Alhambra 1,8Turbo (AJW AWC) 1997-2007

Skoda:

- Octavia 1,8FSI Turbo (AGN AGU ARX ARZ AUM) 1996-2005
- Octavia 1,8Turbo 20V RS (AUQ) 2000-2006
- Oktavia 1,6FSI (BLF) 2004-2007

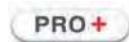
Item #
8261



Engine Timing Tool

4-piece Engine Timing Tool Kit for VAG FSI / TFSI

- to check and adjust camshaft timing
- required when replacing timing chains
- suitable for VAG FSI and TFSI 1.4L and 1.6L engines
- contains following tools:
 - camshaft locking tool, to be used as OEM T10171
 - setting gauge holder, to be used as OEM T10170
 - crankshaft locking tool, to be used as OEM T10340
 - tensioner locking tool, to be used as OEM T40011
- fits for following models / engines
 - Audi A3 (03-10),
 - Seat Ibiza , Leon, Altea
 - Skoda Octavia (04-09), Fabia (07-09), Superb (09-10), Roomster (06-09)
 - VW Golf (03-09), Golf Plus (05-09), Jetta (06-09), Passat (05-09), Polo (02-08), Scirocco (09-10), Tiguan (07-09), Touran (03-09), Eos (06-09)
 - engine code: AXU, BLG, BAG, BMY, BKG, BMK, BLF, CAVA, BLN, CAVB, BLP,

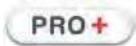


Item #	Description
62625	4-piece Engine Timing Tool Kit for VAG FSI / TSI 1,4 & 1,6 l with Timing Chain
62625-1	Crankshaft Locking Tool VAG FSI / TFSI, from BGS 62625

VAG 5 and 10 Cylinder Engine Locking Tool

- suitable for VW Phaeton and Touareg models as of 2003, Transporter as of 2004 with 5 and 10 cylinder Diesel engines
- use like VW part Nr. T10193 / T10194
- for adjusting the camshaft when checking and repairing the engine
- no twisting of camshafts

Item #
8279



Engine Timing Tool Set for VAG 2.4 & 3.2 FSI

- for checking and adjusting the engine timing
- suitable for Audi V6, V8 and V10 engines with chain
- includes:
 - camshaft locking tool to be used as OEM T40070
 - crankshaft locking pin to be used as OEM T40069
 - chain tensioner locking pin to be used as OEM T40071

Item #
66210



Engine Timing Tool Set for VAG 2.7 & 3.0 TDI

- suitable for Audi A4, A5, A6, AB, Q5, Q7 and VW Touareg, Phaeton with engine codes: ASB, BKN, BKS, BMK, BMZ, BNG, BPP, BSG, BUG, BUN, CAMA, CAMB, CANA, CANB, CANC, CAND, CAPA, CARA, CARB, CASA, CASB, CASC, CATA, CCMA, CCWA, CCWB, CDYA, CDYB, CDYC, CEXA, CGKA, CGKB
- for locking the camshaft, crankshaft and fixing the chain tensioner
- required for timing chain replacement or engine repair
- includes:
 - camshaft locking pin to be used as OEM T40062
 - camshaft tool to be used as OEM T40061
 - rotating adapter for crankshaft to be used as OEM T40049
 - locking pin for injection pump to be used as OEM 3359
 - rotating adapter for crankshaft to be used as OEM T40058
 - camshaft locking tool 2x to be used as OEM T40060
 - crankshaft locking pin to be used as OEM 3242
 - locking pin for chain tensioner 2x

Item #
66205



Engine Timing Tool

Engine Timing Tool for VAG 2.0 up to 3.2 FSI

- for alignment and adjustment of engine timing during replacement of cylinder head gasket, timing chain, etc.
- suitable for Audi A4, A5, Q5, A6 (2,0/2,8/3,0/3,2 FSI) with engine codes: BDX / CAJA / CALA
- camshaft locking tool (2pcs.) to be used as OEM T40133
- crankshaft locking tool to be used as OEM T40069
- chain tensioner locking tool to be used as OEM T40071
- bit socket for camshaft adjusting unit to be used as OEM T10035
- counterholding tool to be used as OEM T10172
- adjustable pin wrench to be used as OEM 3212



Item #
8838



Timing Tool Set for VAG 1.6 & 2.0L TDI

- fits on:
- Audi A1, A3 (8P) A4 (B8) A5 A6 (C6, C7), TT (8J), Q3, Q5
- Skoda Fabia, Roomster, Practice Octavia II, Suberb II, Yeti,
- Seat Ibiza (6J), Leon III, Exeo, Altea, Alhambra II
- VW Golf V, VI & Plus, Passat, Polo V, Jetta V, & VI, Scirocco III, Beetle II, II Caddy, Passat B6, B7 & CC Touran, Sharan II, T5, Amarok
- engine codes: CAYB, CAYC, CBAB, CBBB, CBAA, CFFB, CAGA, CAHA, CAGB, CAHB, CAGC, FCA, CAAA, CAAB, CAAC, CCHA, CAVA, CBAB, CBDA, CBDD, CBAC, CBDA, CBDC
- includes important tools for checking and adjusting engine timing after e.g. timing belt replacement
- Injection Pump Locking Pin to be used as OEM MP1-301, T20102, MP1-301, U40074, 3359
- Crankshaft Setting Tool (Non bored engine) to be used as OEM T10100
- Ball End Hex Key 6 mm to be used as OEMT10264
- 2.5mm Tensioner Pulley Locking Pin to be used as OEMT10265
- 3.9mm Tensioner Pulley Locking Pin to be used as OEMT40098
- Sprocket Holding Tool to be used as OEMT 10051
- Camshaft Sprocket Hub Puller to be used as OEM T10052
- Oil Pump Balancer Shaft Alignment Tool to be used as OEM T10255



Item #
66200



Engine Timing Tool Kit for VAG 2.5 / 4.9D / TDI PD

- suitable for VW T5 as of 2004, Touareg and Phaeton as of 2003 with 5 and 10 cylinder engines with engine code: AXD, AXE, BAC, BLJ, BLK, BNZ, BPC, BPD, BPE
- camshaft locking tool for review and adjustment, suitable for 5 and 10 cylinder engines, to be used as OEM T10193
- camshaft locking tool for review and adjustment of 10 cylinder engines, to be used as OEM T10194
- clamping device for removal and replacement of the camshaft wheels of 5 and 10 cylinder engines, to be used as OEM T10199
- special socket for rotating the crankshaft of 5 cylinder engines, to be used as OEM T10225
- crankshaft locking wrench for 5 cylinder engines, to be used as OEM T10226
- tensioner wrench



Item #
8443



Crankshaft Locking Tool for VW Touareg / Phaeton 2003-

- suitable for VW Touareg 2003>, Phaeton 2003> with 10-cyl. diesel engine
- crankshaft locking tool, for locking crankshaft when adjusting engine timing to be used as OEM T10195
- adjusting bolts, for mounting of the engine control module (wheels cassette) to be used as OEM T10200
- supplementary set for BGS 8443



Item #
8769



Crankshaft Locking Tool for VAG 10 Cyl. Engines

- crankshaft locking tool with aligning pin
- to be used as OEM T10195
- suitable for e.g. VW Tourag, Phaeton, etc.



Item #
8622



Camshaft Locking Tool, VAG 5 + 10 Cylinder Engines

- suitable for VW T5 as of 2004, Touareg and Phaeton as of 2003 with 5 and 10 cylinder engines
- clamping device for removal and replacement of the camshaft wheels on 5 and 10 cylinder engines, to be used as OEM T10199 / OEM T10199/1



Item #
8690



Camshaft Locking Tool for VAG W8 & W12

- for aligning the camshafts
- suitable for V6 3.2L FSI R32 W8 and 6.0L W12
- includes 2x alignment rulers, to be used as OEM T10068 & T10068A



Item #
8883



4-piece Engine Timing Tool for VAG 1.2 TFSI

- for adjusting the timing e.g. during replacement of the timing chain, renewing of the cylinder head gasket, etc.
- suitable for VAG 1.2 TFSI with engine codes CBZA, CBZB, CBZC
- Audi models A1 and A3
- VW New Beetle, Caddy, Golf, Jetta, Polo, Touran
- Skoda Fabia, Fabia Combi, Rapid, Octavia, Roomster, Yeti
- Seat Altea, Ibiza, Leon, Toledo
- contains following tools:
- crankshaft locking tool to be used as OEM T10340
- camshaft locking tool to be used as OEM T10414
- guide pin to be used as OEM-T10341



Item #
8882



Timing Tool Set for Audi + VW V6 / V8 TDI

- for locking of crankshaft and camshaft when working on the engine timing, e.g. changing of the tooth belt, disassembly of the cylinder heads etc.
- suitable for: VW Passat 2.5 V6 TDI AFB, AKN 98- und Audi A4, A6, A8 / 2.5 V6 TDI AFB, AKN, AKE, AYM, BAU, BCZ, BDG, BDH, BFC 97-06
- the locking pin can be used as OEM 3242, positions the crankshaft in TDC (top dead center) position
- locking plates can be used as OEM 3458, are for locking the camshaft in assembly position
- crankshaft locking pin also individually available at BGS 8155-6



Item #
8275



Engine Timing Tool

VAG Engine Timing Tool Kit

- suitable for following engines:
 - 1.9/2.0 ltr. unit injector drive; 1.9 ltr. TDI (normal diesel)
 - 2.5 ltr. V6-TDI (no gasoline); 3.3 ltr. V8-TDI (no gasoline)
 - 1.2 ltr. 3-cylinder and 1.4/1.6 ltr. gasoline engine
- contains important adjustment tools such as:
 - setting gauge for camshaft (e.g. VW 1.9 l. TDI)
- locking tool for timing belt
 - (e.g. VW / Skoda 1,9 l / 2.0 l TDI pump/nozzle)
- camshaft locking tool (e.g. VW / Audi 2.5 l V6 TDI)
- adjustable tensioner wrench (universal for VW / Audi)
- injection pump locking pin
 - (e.g. VW / Audi / Seat / Skoda)
- mounting plate for timing belt tensioner
 - (VW / Skoda 4 cyl. TDI pump/nozzle)
- 22 mm open socket for diesel injectors
- can be used as following OEM tools
- camshaft setting tools, to be used as OEM
 - T10123, T10120, 3458, 3418, 2065A, 3366, T10098 / 3418
- crankshaft setting tools, to be used as OEM
 - T10121, 3242, T10050 (round sprocket), T10100 (oval sprocket)
- tensioner pulley locking pins, to be used as OEM
 - T10060A, T10020, T10008, T40011
- injection pump locking tools, to be used as OEM 3359, 2064



PRO +

Item #	Description
8155	VAG Engine Timing Tool Kit
8155-01	Camshaft Alignment Tool VAG, from BGS 8155
8155-5	Crankshaft Locking Tool from BGS 8155
8155-6	Crankshaft Locking Tool VAG 6 & 8 cyl., from BGS 8155
8155-8	Camshaft Locking Tool VAG, from BGS 8155
8155-9	Tensioner Wrench VAG, from BGS 8155
8155-12	Injector Wrench VAG, from BGS 8155
8155-15	Fixing Screw VAG, from BGS 8155
8155-16	Stud with Nut, from BGS 8155
8155-17	Fixing Pin for Tension Pulley VAG, from BGS 8155
8155-18	Camshaft Alignment Tool VAG, from BGS 8155
8155-19	Camshaft Locking Tool from BGS 8155
8155-23	Locking Pin from BGS 8155
8155-24	Angle Internal Hexagon Wrench 6 mm from BGS 8155
8155-25	Locking Tool from BGS 8155
8155-26	3-Side Wrench for BGS 8155
8155-27	Crankshaft Locking Tool from BGS 8155
8155-20	Injection Pump Locking Tool from BGS 8155

Engine Timing Tools for VW 1.2 L Engines

- 2 pieces
- also replacement for BGS 8153 / 8155
- to be used as OEM T10123

Item #
8155-1

PRO +



Engine Timing Tool

Engine Timing Tool for VW 1.2 L Engines

- needed to control the engine timing and for replacement of the timing belt
- suitable for VAG 3 cylinder engines with engine codes AMY, BMD, BBM
- use as OEM T10120

Item #
8155-2



Camshaft Guide, 170 mm, VW

- for VW + Audi
- engine codes AAA-ABV-AES-AGZ-AMY-AZX

Item #
8122



Camshaft Locking Tool Audi + VW

- is needed for changing of the tooth belt on Audi and VW with following engines:
AUDI A4 2.4 2.8 1997-2002, A6 2.4 1997-2002, A6 2.8 1997-2002
A8 2.8 1997-2002, S4 2.7 Turbo 1997-2001 resp.
Volkswagen with ACK, ALG, APR, AQD engines such as
Passat 2.4 1996-2002, Passat 2.8 30v 1996-2001
- avoids distortion of the camshaft during tooth belt assembly
- allows easy and precise assembly of the tooth belt
- appropriate crankshaft locking tool available under BGS 8155-6

Item #
8232



Camshaft Locking Tool for Audi + VW

- is needed for changing of the tooth belt on Audi and VW with following engines:
V8 3,3L bis 4,2L 5 valve engines in Audi A6, A8 with engine codes AKB, AUX, AYS, ARS, ART, AWN
BBD, BCY, BFM 1998-2003 and VW Touareg and Phaeton
- avoids distortion of the camshaft during tooth belt assembly
- allows easy and precise assembly of the tooth belt

Item #
8234



Camshaft Locking Tool for Audi + VW

- is needed for changing of the tooth belt on Audi and VW with following engines:
2 Valve V6 Engine Audi 80, 90, A4, A6 1994-97 ABC, AFC Motor
- avoids distortion of the camshaft during tooth belt assembly
- allows easy and precise assembly of the tooth belt

Item #
8233



Camshaft Locking Bar, adjustable 12 & 30 Valve

- wide application range because of adjustable camshaft locking tool, to be used as OEM 3391 or OEM 3243
- crankshaft locking bolt to be used as OEM 3242
- is needed for changing of the tooth belt on Audi and VW with following engines:
AUDI A4 2.4 2.8 1997-2002, A6 2.4 1997-2002, A6 2.8 1997-2002, A8 2.8 1997-2002, S4 2.7 Turbo 1997-2001 resp.
Volkswagen with ACK, ALG, APR, AQD engines such as Passat 2.4 1996-2002, Passat 2.8 30v 1996-2001
2 Valve V6 engines on Audi 80, 90, A4, A6 1994-97 ABC, AFC
- avoids distortion of the camshaft during tooth belt assembly
- allows easy and precise assembly of the tooth belt

Item #
8522



Timing Chain Adjusting Wrench for VAG

- used for tensioning the timing chain
- suitable for Audi A6 from 2005
4.2 l direct injection 8-cyl., 4 Valve
- to be used as OEM T40079

Item #
8878



3-piece Crankshaft Timing Belt Pulley Locking Tool Set

- for VAG 2.0 liter TDI and some 1,9L TDI with oval crankshaft wheel
use as OEM T10100
- includes:
 - crankshaft locking Tool to be used as OEM T10100
 - locking bolt for pump to be used as OEM 3359
 - locking plate for idler to be used as OEM T10008

Item #
62640



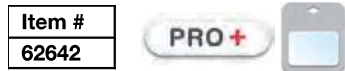
3-piece Crankshaft Timing Belt Pulley Locking Tool Set

- for VAG 1.2 - 1.4 - 1.9l TDI engines with round crankshaft wheel
- includes:
 - crankshaft locking Tool to be used as OEM T10050
 - locking bolt for pump to be used as OEM 3359
 - locking plate for idler to be used as OEM T10008



Crankshaft Timing Belt Pulley Locking Tool

- for VAG 2.0L TDI and some 1,9LTDI engines with oval crankshaft wheel to be used as VAG OEM T10100



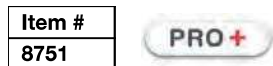
Crankshaft Locking Tool for VAG

- for VAG 1.2 - 1.4 - 1.9l TDI engines with round crankshaft wheel
- to be used as OEM T10050



Flywheel Locking Tool for VAG 1.9 TDI

- for locking the flywheel
- to be inserted into the bore of transmission housing
- fits on VW, Skoda, Seat with 1.9l diesel engines



Special Crankshaft Rotation Tool for VAG 5 Cylinder Engines

- necessary for crankshaft adjustment and use as a lever
- suitable for all 5 cylinder VW Diesel engines e.g. in VW Touareg as of 2003 and Transporter as of 2004
- fixing screw allows easy mounting on crankshaft
- use like OEM VAG T10225



Engine Timing Tool

Camshafts Sockets, VAG 1.8 / 2.8 TFSI

- used for removal and installation of 4/3-way central valve on the camshaft adjustment
- suitable for VW Passat, Audi A3, A4, A5, Q5 1.8l and 2.0 liter engines with chain drive
- to be used as OEM T10352 / T10352/1



Item #
8565



Crankshaft Rotation Tool VAG

- facilitates turning the crankshaft for e.g. checking the engine timing
- suitable for Audi A6 2005>, Audi A8 2003> with 6- and 8-cyl. engines
- 2.4 L, 3.2 L FSI, 6 - and 8-cyl. TDI Common Rail
- to be used as OEM T40058



Item #
8555



Camshaft Setting Tool Audi V8 4.2

- to adjust the camshafts, to be used as OEM T40047
- ensures correct setting of the Hall sensor wheel, an incorrect setting may cause bad idle and lazy response lead
- suitable for cars with 4.2 liter V8 engines:
AUDI A6 (05-06), A8 (04-06), Quattro (03-05), S4 (04-09)
VW Phaeton (04-06)
with engine codes:
BNK - BFM - BGK - BAS - BHF - BGH



Item #
8531



Camshaft Locking Tool for Audi 8 Cylinder Engines

- suitable for Audi A4 2001> and A6 1998> with 8 cylinder engines
- for checking and adjusting the engine timing
- to be used as OEM T40046



Item #
8532



Setting Gauges for Pump-Nozzle Unit on 3- and 4-cylinder engines

- for adjusting the pump-nozzle units
- suitable for 3- and 4-cylinder engines and for pump-nozzle units with old and new solenoid valve nut

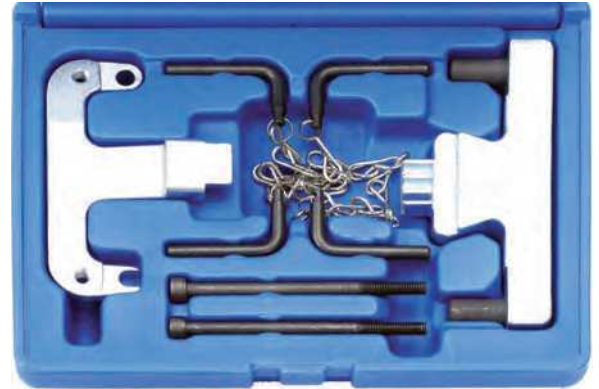


Item #
68341



Engine Timing Tool Kit for Mercedes - Chrysler

- includes tools for locking the camshaft and crankshaft
- suitable for the following engines:
 - CDI 2.0L - 2.2L - 2.7L - 3.3L - 4.0L
 - D-DT 2.0L - 2.2L - 2.5L - 2.9L - 3.0L
 - Petrol 1.8L - 2.0L - 2.3L
- for engine series:
 - M 112, 113, 137, 155, 156, 272, 979, 273, 629, 642, 992, 102, 103 104, 111, 601, 602.91, 602.92, 602.93, 602.94, 602.96 602 986, 603.91, 603.93, 603.96, 603.97, 604, 605, 606, 611, 612, 965, 966, 613, 119, 611, 980, 612, 628, 629, 640, 642, 922, 612, 965, 966, 646, 647, 648
- flywheel locking tool, incl. 2 x M6x90mm bolts to be used as OEM 601589024000, 8932
- flywheel locking tool to be used as OEM 602589004000, 8933
- camshaft locking pin set to be used as OEM 111589031500, 8929



Item #
8222



Engine Timing Tool for Mercedes M270

- for setting and checking the engine timing
- allows holding down and fixing of the camshaft
- suitable for:
 - Mercedes A-Class (W176 series) from 2012, models A180 / A200
 - Mercedes B-Class (W246 series) from 2011, models B180 / B200
- to be used as OEM 270589006100



Item #
62628



Engine Timing Tool for Mercedes M271

- is required when replacing the timing chain
- fits on Mercedes models:
 - CLK 200K (W209), C 180K, C200K, C 230K (W203), C Sportcoupe C 160K, C 180K, C 200K, C 230K, E 200K (W211), SLK 200K (R171), C 180K (W204), CLC 180K, CLC 200K, C 180 CGI, C 200CGI, C 250CGI (W204), E 200CGI, E 250CGI (W212, C207)
- suitable for engines with engine codes:
 - M271: E18ML (02-), DE18ML (03-05), E16ML (08-), DE18LA (09-)
- includes the following tools:
 - holding device for timing chain, to be used as OEM 271589014000
 - camshaft locking tool, to be used as OEM 271589006100
 - locating pin, to be used as OEM 271589001500
 - timing chain tool, to be used as OEM 271589003100



Item #
62623



Engine Timing Tool

Engine Timing Tool for Mercedes M276, M157, M278, 12-pc.

- for positioning the camshafts in the installed position
- suitable for following Mercedes models:
- CL 500 / 63 AMG (C 216) 2010-2013
- S 500 / 63 AMG (C 217) as of 2014
- CLS 300 (C 218) as of 2012
- E 300 / 350 / 400 (C/A 207) as of 2011
- CLS 350 / 400 / 500 / 63 AMG (C/X 218) 2011-2014
- SLK 350 (R 172) as of 2011
- SL 350 / 400 / 500 / 63 AMG (R 231) as of 2012
- S 500 PLUG-IN HYBRID (V 222) as of 2014
- ML 300 / 350 / 500 / 63 AMG (W 166) as of 2011
- C 400 (W 205) as of 2014
- E 400 HYBRID (W 212) as of 2012
- G 63 AMG (W 463) as of 2012
- E 300 / 350 / 400 / 500 / 63 AMG (W/S 212) as of 2011
- C 350 (W/S/C 204) as of 2011
- S 350 / 500 / 63 AMG (W/V 221) as of 2010
- S 400 / 63 AMG (W/V 222) as of 2013
- R 350 BlueEFFICIENCY (W/V 251) as of 2012
- GL 450 / 500 (X 166) as of 2012
- GLK 350 (X 204) as of 2011



Item #
62632



Timing Chain Mounting Tool for Mercedes M111

- allows troublefree mounting of timing chains on MB 111 4-cyl. petrol engines
- suitable for following MB models:
 - C-Class 180/200/220/230
 - E-Class 220/230
 - CLK 200/230
 - SLK 200/230
 - ML 230
- to be used as OEM 111 589 19 61 00



Item #
8680



26-piece Engine Timing Tool Kit for Honda, Mazda, etc.

- for Honda, Mazda, Subaru, Hyundai, Daewoo, etc.
- important kit when working on the engine, e.g. timing belt, general engine settings, camshafts, etc.
- incl. application chart



Item #
68300



Engine Timing Tool Set for Hyundai & Mitsubishi

- includes important tools for checking engine timing and changing timing tooth belt
- suitable for Hyundai 1.6 / 1.8 / 2.0 / 2.4 Twin Cams and Mitsubishi 1.8 to 3.5 16V and V6
- Mitsubishi: Colt 89-95, Lancer 89-95, Carisma 96-05, Galant 93-03, Sigma 91-96, Eclipse-91-95, 300DTG 93-00, Space Star 99-06
- engines types:
1,8 16V GDI (4G63, 4G94); 2,0 16V GDI (4G63, 4G94, 6A12)
2,4 GDI (4G64, 4G69); 3,5 GDI V6 (6G74)
2,5 V6 (6G73, 6a13); 3,0 V6 (6G72)
- Hyundai: Lantra 91-96, 93-01 Sonata, Trajet 00-05, Santa-Fe 6.1
- engines types: G4-N, G4-CP, 4JP, G4-P-, G4-R-, G4-JS



Item #	PRO +	
8530		

50-piece Engine Timing Tool Kit for Toyota + Mitsubishi

- for Toyota, Mitsubishi
- important kit when working on the engine, e.g.. timing belt, general motor settings, camshafts, etc.
- incl. application chart



Item #	PRO +
68310	

Engine Timing Tool Set for Citroen / Peugeot

- contains important tools for adjustment of:
- flywheel, crankshaft, camshaft
 - fuel injection pump shaft
 - belt pulley
 - tensioning of the timing belt
 - complete classification chart included
 - suitable for Citroen and Peugeot 16 valve engines i.e. 1.8l-16V and 2.0l 16V with engine code EW (incl. HPI engines) for example: C5, 206, 306 and 406
 - suitable for Citroen und Peugeot 1.9D, 2.0D, 2.2D engine code DW8, DW10, DW12 HDI used by Citroen, Fiat, Peugeot and Toyota
 - diesel engines (XUD+TUD) and gasoline engines (XU+TU)
- Engines may be identical in construction to Toyota and Fiat**



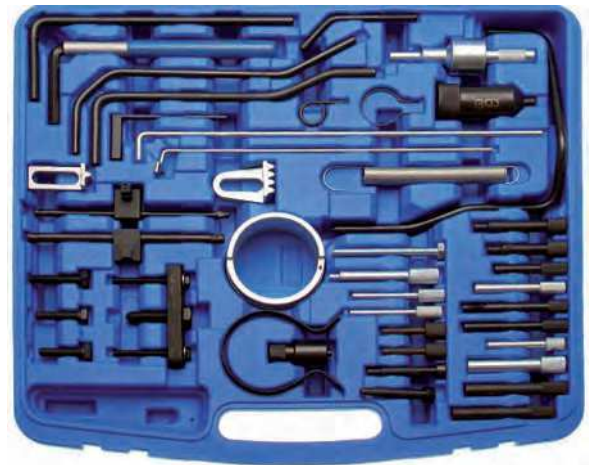
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Item #	Description
8152	Engine Timing Tool Set for Citroen / Peugeot
8152-19	Crankshaft Locking Tool Peugeot / Citroen, from BGS 8152
8152-30	Camshaft Locking Tool Peugeot / Citroen, from BGS 8152

Engine Timing Tool

Engine Timing Tool Set for Peugeot / Citroen (PSA)

- for checking and adjusting the engine timing
- suitable for e.g. following vehicles.
- Citroën: AX, Berlingo, BX, C5, C15, C25, Dispatch, Evasion, Jumper, Jumpy, Relay, Saxo, Synergie, Visa, Xsara, Xantia, XM, XJR, ZX, etc.
- Peugeot: 106, 205, 306, 405, 406, 605, 806, J5, Boxer, Expert, Partner, Solara, Talbot Express, Talbot Horizon, etc.
- PSA Petrol engines: 1.9 - 1.1 - 1.4 - 1.6 - 1.8 - 1.9 - 2.0 - 1.6 - 1.8 - 2.0 - 2.2 16V (turbo and twin camshaft)
- PSA Diesel engines: 1.4 - 1.5 - 1.7 - 1.8 - 1.9 - 2.1 - 2.5 D / TD / TDI - 1.4 - 1.6 - 2.0 - 2.2 HDI
- also suitable for identical engines in Fiat, Ford, Nissan, Renault, Rover, Toyota, etc.
- includes following tools:
- Flywheel Timing Pin with spring, to be used as 0188X, 0189X
- Tensioner Wrench 8 mm, to be used as OEM 7017-TW
- Flywheel Locking Pin 7 mm, to be used as OEM 7017-TR
- Angled Adjustment Pin 8 mm, to be used as OEM 0188D, 7004TG, 9767-34, 0153G, 7014-TJ, 1 860, 863 000, 0153N
- Tensioner Tool, to be used as OEM 4507-TJ, 9767.89, 0188Q1, 0132X1Z, 0132X
- Camshaft Locking Pin, to be used as OEM 0189A, 1871008100
- Idler Lever, to be used as OEM 0188J2
- Idler Lever, to be used as OEM 5711-TE, 0178E, 0188J/J1
- Puller, to be used as OEM 0174, 0188P, 018892, 7015-T
- Timing Belt Retaining Clip, to be used as OEM 0189K, MOT1436, 4533-TAX, 0188K, 0187J, 0132AK, 0153AK, 187000100
- Flywheel Locking Tool, to be used as OEM 0195K, 4507-TL
- Tensioner Tool, to be used as OEM 0189S1
- Flywheel Locking Tool, to be used as OEM 1867030000, 0153A, 9765.54, 6012T, 1860161000
- Tensioner Tool, to be used as OEM 0189S2
- Angled Locking Pin 5 mm
- Flywheel Locking Pin (Automatic Transmission), to be used as OEM 0189R
- Camshaft Locking Pin, to be used as OEM 0189AZ
- Crankshaft Locking Tool, to be used as OEM 0288D, 0188Y, 7014
- Flywheel Locking Pin, to be used as OEM 0189C
- Flywheel Locking Tool, to be used as OEM 0188F, 0134Q, 1870765001, 1870827000, 0134AF, 9044-T, 1871000400
- Camshaft Locking Pin (CA1), to be used as OEM 4533-TAC1, 0132AJ1
- Camshaft & Crankshaft Locking Tool, to be used as OEM 0188M, 0187B, 0194B, 303-1277, MOT1430, 0189B, 303-735, 49JE01061, 21-263
- Camshaft Locking Pin (CA2), to be used as OEM 0132AJ2, 2000023000, 0188M, 4533-TAC2
- Injection Pump Locking Tool, to be used as OEM 4527-TS1
- Injection Pump Locking Pin, to be used as OEM 0188H, 1860965000
- Flywheel Locking Pin, to be used as OEM 49JE02020, 0194C, 21-262, 999-7121, 999-7169, 303-734
- Camshaft and Crankshafts Locking Pin (2 pcs.), to be used as OEM 4507-TB, 7014-TN, 0132-R, 0153-AB, 0158-G
- Camshaft and Crankshaft Locking Tools (2 pcs.), to be used as KM-955, 7014-TM
- Camshaft Locking Pins (2 pcs.), to be used as OEM 9041-TZ, 5711-TC
- Crankshaft Locking Pins (2 pcs.), to be used as OEM 5711-TD, 119790, 0194A, 1860617000, 303-732, 07744-00104-00, 49JE02018, 0178D, 9997169, 4527-TS2, 21-260, 999-7169, 0132AB
- Camshaft Locking Pin, to be used as OEM 0189L
- Screw M8 x 80 mm
- 3 mm Tensioner Pin, to be used as OEM 0153AL, 4200TA
- Centering Clip for Crankshaft Pulley, to be used as OEM 0188AH
- Crankshaft Locking Tool 6 mm, to be used as OEM 4507-TA, 0132Z, 0132QZ

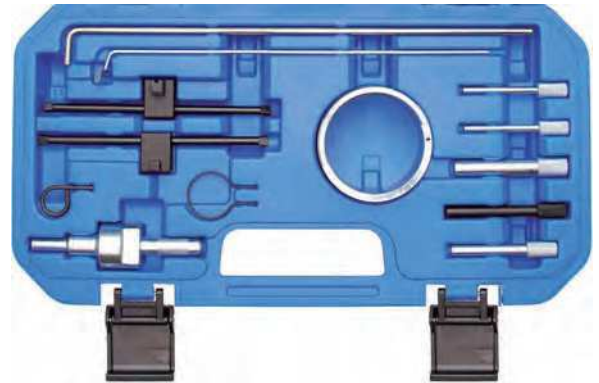


Item #
8850



Engine Timing Tool for Citroen/Peugeot 1.8/2.0L

- contains important tools for checking and adjusting the engine timing after replacing the tooth belt and engine repair
- suitable for:
 - Citroen
 - C5 1.8/2.0 HPi (02 - 05)
 - Xsara 2.0 16V (02 - 05)
 - Xsara Picasso 1.8/2.0 16V (02 - 05)
 - Peugeot
 - 406 1.8 16V (00 - 04)
 - 807 2.0 16V (02 - 05)
- engine code:
 - 6FZ (EW7J4)
 - FRN (EW10J4 / L4 / 5)
 - RLZ (EW10D)



Item #
62622



Timing Tool Set for 2.5 & 2.8L PSA Diesel Engines

- includes 2 setting pins, flywheel locking pin and tensioner retaining tool
- suitable for following models:
 - Citroen, Peugeot, Fiat, Iveco Trafic (80-00), Master (80-07), Mascot (99-07)
 - Fiat, PSA, Renault Daily (91-05), Turbo Daily (94-00), Relay / Jumper (01-02), Boxer (00-06), Arena (97-01), Movano (98-03)



Item #
8418



Timing Tool Set for Chrysler 2.5 CRD

- for checking and adjusting the engine timing
- suitable for:
 - Chrysler Voyager, Grand Voyager
 - R2516C, R2516L, R2816K engine
 - Jeep Cherokee (01-08) 2.5 / 2.8 engine
 - LDV Maxus (05-08) VM2516L engine
- camshaft locking pin (inlet) to be used as OEM VM1052
- camshaft locking pin (exhaust) to be used as OEM VM1053
- flywheel locking pin (Voyager, Grand Voyager 2.5 / 2.8 and LDV Maxus) to be used as OEM VM1068 / VM1089
- flywheel locking pin (Jeep Cherokee 2.8) to be used as OEM VM1080
- flywheel locking pin (Jeep Cherokee 2.5) to be used as OEM VM8873
- tensioner wrench to be used as OEM VM9660
- balancer shaft locking pin
- flywheel locking pin



Item #
8500



Engine Timing Tool for Volvo T6 Engines

- designed for checking and adjusting the engine timing
- fits on Volvo S80, XC90, XC60, XC70 3.0T, 3.2 with T6 engine as of 2007
- includes camshaft and crankshaft locking tool

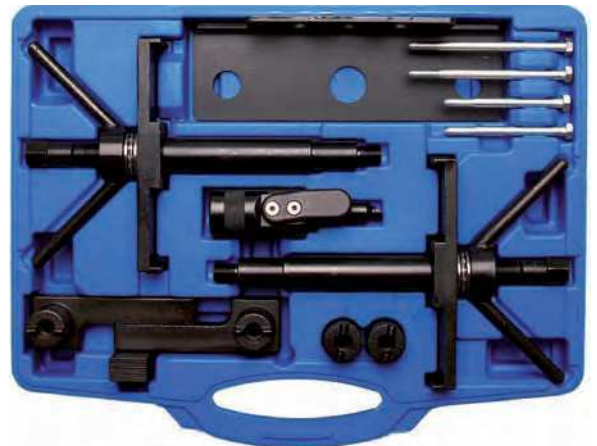


Item #
8527



Engine Timing Tool Set for Volvo 4-, 5-, 6-Cyl. Engines -06

- for alignment of the cam and crankshafts
- also for correct installation of the camshafts over the cam cover
- suitable for 4-, 5- and 6-cyl. twin cam engines (not 3.2l) until 2006 on Volvo models: 700, 800, 850, 900, 960, C70, S40, S60, S70, S80, S90, V70 -2000, V70XC, XC70, V90, XC90
- incl. following tools:
 - 2-piece camshaft cover tool, to be used as OEM 9995454
 - crankshaft locking tool, to be used as OEM 9995452
 - camshaft setting tool, to be used as OEM 9995451
 - holder, to be used as OEM 9995453
 - 2x 110 mm and 2x 85 mm screws



Item #
8562



Engine Timing Tool Set for Rover, Peugeot, Ford, Volvo 2.0 & 2.2L D

- allows inspection and adjustment of engine timing on following models and engines:
 - Peugeot: 807 (05-11), 407 (05-11), 607 (05-09) engine: DW10UTED4 (RHK), DW10BTED4 (RHR) DW12BTED4 (4HS), (4HP), (4HT), (4HR)
 - Citroën: C4 (04-10), C5 II (04-10) engine: DW10BTED4 (RHR)
 - Land Rover: Freelander (06-10) engine: DW12BTED4, 224DT
 - Volvo: S40 (03-10), V50 (06-10), C70 (06-10), S80 (07-10), C30 906-10), V70 (07-10) engine: D420T 2.0D
 - Ford: S Max 2.2 (08-10), Galaxy 2.2 (08-10), Mondeo 2.2, 2.0 (07-10) engine: QXBA(2.2), QXWA(2.0), QXBB(2.0), Q4BA(2.2), QXWA(2.0), QXWB(2.0), AZBA(2.0), AZBC(2.0), AZWA(2.0)
- includes following tools:
 - Camshaft Locking, to be used as OEM PSA 0188.M, Ford 303-1277, Volvo 999-7122
 - Flywheel Locking, to be used as OEM PSA 0188.X, Ford 303-1270/1059, Volvo 999-7121
 - Crankshaft Locking, to be used as OEM PSA 0188.F, Ford 303-1272, Volvo 999-7119/7120



Item #
8529



Engine Timing Tool

Oil Drip Pan for Motorcycles, 2L

- low height, especially suitable for motorcycles and scooters
- for changing oil and collecting used oil of e.g. clutch, gearbox, etc.
- dimensions: 380 x 212 x 73 mm
- weight: approx. 250 g



Item #
9994



Oil Filter Cap for BMW K / R 4-valve, 74 x 14

12.5 1/2

- drive: 1/2"



Item #
1043



Oil Filter Wrench for BMW Motorcycles as of 2009

- suitable for all BMW motorcycle with \varnothing 76 mm oil filters, except the new K1200S / RS
- drive: 24 mm external hexagon and 1/2" internal square drive
- material: Aluminum



Item #
5073



Oil Filter Wrench for Motorcycles from BMW, Harley, Ducati

- for oil filter \varnothing 76 mm x 14 pt.
- suitable for following motorcycles:
BMW before 2009
Harley-Davidson
Ducati
- drive: 24 mm external hexagon and 1/2" internal square drive
- material: Aluminum



Item #
5074



25-piece Carburetor Tester, 0-14 PSI

- for synchronal testing of 2-4 carburetors
- for cars and motor bikes
- 4 manometers, Ø 92.5 mm
- 4 hoses 8 x 5 x 750 mm
- 4 replacements gaskets
- 4 connectors 53 mm (M6x0.75)
- 4 connectors 60 mm (M6x1.00)
- 4 extensions 3.9 x 52 mm
- 4 extensions 3.9 x 122 mm



Item #
62670



Groove Nut Wrench for BMW Cylinder Heads

- locks nut on cylinder head to main frame
- suitable for BMW F series motorcycles



Item #
5079



Valve Spring Compressor Set, 16-30 mm

- for smaller engines and motorcycles
- 5 interchangeable bearing drivers
- 100 mm C-Clamp
- pressure screws 70 mm, 110 and 120 mm length
- tensioner pieces:
Ø 16 mm, 19 mm, 23 mm, 25 mm, 30 mm
- telescopic magnetic pick
- tweezers



Item #
1768



Valve Stem Seal Mounting Tool for BMW R series

- for mounting the valve shaft seals on BMW R series motorcycles



Item #
5082



Bowden Cable Oiler

- for easy and accurate maintenance of all cables
- good lubrication of bowden cables increases cable life



Item #
8391



10-piece Rotor Puller Set

- fits Yamaha, Honda, Suzuki, Bosch, Kawasaki, Ducati and many others
 - sizes contained:
- | | | |
|------------|------------|-------------|
| M 14 x 1.5 | M 25 x 1.5 | M 22 x 1.5 |
| M 16 x 1.5 | M 22 x 1.0 | M 27 x 1.25 |
| M 18 x 1.5 | M 28 x 1.5 | M 20 x 1.0 |
| M 26 x 1.0 | M 19 x 1.0 | M 27 x 1.0 |
| M 28 x 1.0 | M 26 x 1.5 | M 24 x 1.0 |



Item #
7748



Rotor Pullers

- suitable for generator and ignition system
- M27x 1.00: Honda, Suzuki, Yamaha
- M26x 1.50: Bosch



Item #	Description
7746	Rotor Puller, M27x1.00
7747	Rotor Puller, M26x1.50, M22x1.50



4-Way Magnetic Rotor Puller

- for removal of rotor wheels
- suitable for 5 different internal thread sizes:
M14 x 1.5 - M16 x 1.5 - M18 x 1.5 - M24 x 1 - M27 x 1
- M24 x 1 - M27 x 1 with 21 mm cut-out for counterholding
- dimensions: 165 x 165 mm



Item #
8613



Flywheel Puller, M27x1.0

- left sided thread M27 x 1.0
- M16 spindle with sliding bar
- inner diameter: 18 mm
- length: 97 mm
- material: S45C steel
- suitable for e.g. following motorcycles:
 - Aprilia Area, Gulliver, Scarabeo, Sonic, SR 50, etc.
 - Benelli 491 - 50, K2 - 50, Naked 50, Pepe 50, etc.
 - Beta Ark 50, Eikon 50, Quadra 50, Tempo 50 etc.
 - CPI Aragon 50, Crab 50, Formula 25, GTR 50, etc.
 - Italjet Dragster 50
 - KTM Ark 50, Kross 50
 - MBK CS 50, CW 50, EW 50, YH 50, YN 100, etc.
 - Yamaha CA 50, CS 50, CW 50, EW 50, YE 50, etc.



Item #
8726



Flywheel Locking Tool for Ducati

- for holding the flywheel during loosening / tightening of the flywheel nut
- suitable for Ducati models 996, 998, ST4S, etc.
- length: 680 mm
- outside diameter: 175 mm
- inside diameter: 150 mm



Item #
5077



Flywheel Puller for Yamaha Motorcycle, Kawasaki Jet Ski

- suitable for Yamaha WR 250F/WR400F and Kawasaki Jet Ski 300/440/550
- facilitates damage-free removal of the fly wheel
- 3x8 mm screws on a 55 mm round base are connected to the flywheel
- 14 mm pressure spindle with sliding T-handle
- incl. 3 M8 x 40 mm screws



Item #
8248



Flywheel Puller for KTM, Suzuki, Yamaha

- allows a non-destructive removal of flywheels with an M33 x 1.5 external thread
- suitable for the following motorcycles:
 KTM: 625 SMC (2006), 640 LC4 ADVENTURE (2004-2007), 640 LC4E (2001), 690 RFR (2008)
 SUZUKI: GSXR 1000 (2001-2008), GSXR 600 (2001-2009), GSX R750 (2000-2008)
 YAMAHA: WR 450F (2004-2008), YFZ 450 (2004-2009)



Item #
8465



Flywheel Puller for Suzuki Motorcycles

- fits on following Suzuki models:
 - GV 1400G (1986-1988), LS 650 (1987-2009)
 - LTA 400 (2002-2004), LTA 400 (2006-2008)
 - LTA 400F (2002-2008), LTA 450X (2007-2009)
 - LTA 500F (2000-2007), LTA 700X (2005-2007)
 - LTA 750X (2008-2009), LTF 400 (2002-2004)
 - LTF 400 (2006-2008), LTF 400F (2002-2008)
 - LTF 500F (1998-2007), VL 1500LC (1998-2004)
 - VL 1500LC C90 (2005-2009)
 - VS 1400GLP (1987-2004)
 - VS 1400GLP (S83) (2005-2009)
 - VS 700 GLP (1986-1987)
 - VS 750 GLP (1988-1991), VS 800GL (1992-1995)
 - VX 800 (1990-1993), VZR 1800 (2006-2007)
- material: phosphate coated carbon steel



Item #
8466



Holding Wrench for Flywheels & Clutch Baskets

- simplifies removal of flywheels
- fits most flywheels and clutch baskets of scooters and other 2-stroke engines
- suitable for diameters from 93 to 130 mm



Item #
8457



3-in-1 Clutch / Variator Tool for Piaggio

- for blocking and removing the variator and clutch bell
- integrated hex wrench for loosening the coupling nut (34 mm)
- pin pitch: 55 mm
- made of stainless steel
- to be used as OEM 14569-PI
- suitable for many models of following manufacturers: Aprilia, Derbi, Gilera, Italjet, Peugeot, Piaggio, Vespa



Item #
8729



Clutch Disc Centering Tools for BMW Motorcycles

- for aligning the clutch disc while tightening the pressure plate



Item #	Description
5089	Clutch Disc Centering Tool for 2-Valve BMW Engines
5090	Clutch Disc Centering Tool for BMW R and K Series
5091	Clutch Disc Centering Tool for BMW R and K 1200

Clutch Cage Holder

- application: graps into the clutch driver grooves and arrests it so that the central nut can be loosened securely
- bolt diameter: 5 and 9 mm



Clutch Basket Holding Tool for Ducati

- suitable for all current 6-speed Ducati models with dry clutch
- allows a damage free disassembly / assembly of clutch components
- includes retaining bolt for locking the tool
- material: fiberglass polyamide



Camshaft Sprocket Locking Tool for Ducati, 2-pc.

- is needed when loosening the central screw of the camshaft wheel
- suitable for Ducati Diavel (Carbon), Monster, Multistrada, Streetfighter and Superbike
- includes two locking tools



Camshaft Pulley Extractor for Ducati

- for removing the camshaft wheel
- suitable for following Ducati models:
Hypermotard, Monster, Multistrada,
Sport Classic, Sporttouring, Streetfighter,
Superbike, Supersport MH900E, Diavel (Carbon)



Item #
5083



Camshaft Pulley Nut Socket for Ducati, 28 mm

- allows removing and re-torquing of the camshaft wheel nut
- suitable for Ducati 749, 999, 1098, 848 and 1198
- drive: 19 mm hex.



Item #
5084



Camshaft Pulley Nut Socket for Ducati, 24 mm

- allows removing and re-torquing of the camshaft wheel nut
- suitable for Ducati 748 and 916
- drive: 19 mm hex.



Item #
5085



Camshaft Locking Tool for Ducati 4 Valve Engines

- for locking the camshaft when replacing the timing belt, checking the engine timing, etc.
- suitable for Ducati models 748, 916, 996 and Desmoquattro
- not suitable for ST4 or S4 engines
- material: aluminum alloy steel, anodized



Item #
5066



Camshaft Locking Tool for Ducati (Testastretta)

- for locking camshaft when replacing the timing belt, checking the engine timing, etc.
- suitable for 4-valve Ducati models 749, 999 with Testastretta engines
- material: aluminum alloy steel, anodized



Item #
5067



Camshaft Locking Tool for Ducati 851, 888, 916, 996

- for locking the camshaft when replacing the timing belt, checking the engine timing, etc.
- suitable for Ducati models 851, 888, 916 and 996
- material: aluminum alloy steel, anodized



Item #
5065



Alternator Cover Puller for Ducati

- for removal of the left-hand engine cover
- fits on Ducati models from 1990 - 2009:
600 / 620 / 695 / 696 / 748 / 749 / 750 / 800 / 848 / 851 / 888 / 900 / 906 / 907 / 916 / 996 / 998 / 999 / 1000 / 1078 / 1098 / 1100 / 1198
- material: body made of aluminum alloy steel, anodized, studs and spindle made of carbon steel



Item #
5063



Alternator Drive Flange Holder for BMW K-Series

- for holding the alternator drive flange & the crankshaft split gear
- suitable for BMW K models
- to be used as OEM 124600



Item #
5078



Ducati Front Axle Alignment Tool, Ø 30 mm

- allows mounting and aligning of the front wheel axle when tightening the axle nut
- suitable for Ducati 848, 1098, 1198 and other models with 30 mm axle inner diameter
- material: aluminum alloy steel, anodized



Item #
5068



Ducati Front Axle Alignment Tool, Ø 25 mm

- allows mounting and aligning of the front wheel axle when tightening the axle nut
- suitable for Ducati 999, ST2, ST3, ST4, 620SS, 800SS, 1000SS and other models with 25 mm axle inner diameter
- material: aluminum alloy steel, anodized

Item #
5069

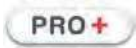


Axle Nut Socket for Ducati, 55 / 28 mm

12.5 1/2

- for loosening / tightening axle nuts
- suitable for following Ducati models: 1098, 1198 Streetfighter or Multistrada 1200, 748, 848, 916, 996, 998, Hypermotard, Multistrada, Monster, Supersport, Sport Classic
- 55 mm 12-pt. for rear wheel axle
- 28 mm 6-pt. for front wheel axle
- material: aluminum alloy steel, anodized

Item #
5071



Axle Nut Socket Set for Ducati

- for removal of the front and rear wheels
- includes the following sizes:
 - 2-in-1 combined socket
 - 55 mm, 12-pt for rear wheel nuts
 - 28 mm, 6-pt for front wheel nuts
 - 28 mm, 12-pt for front wheel nuts
 - 30 mm, 6-pt for front wheel nuts
 - 41 mm, 6-pt for for rear wheel nuts
 - 46 mm, 12-pt for for rear wheel nuts
- material: aluminum alloy steel, anodized

Item #
5061



Fork Cap Wrench for Öhlins Forks

- suitable for most Öhlins models
- disassembly and assembly of the upper fork tube caps
- rubber pad prevents damage to the nut
- material: aluminum alloy steel, anodized
- 1/2" and 6-pt drive

Item #
5062



Steering Head Bearing Remover for Motorcycles

- allows a dismantling of steering head bearings
- length 305 mm
- material: chrome-molybdenum



Item #	Description
8510	Steering Head Bearing Remover, 35 - 55 mm
8509	Steering Head Bearing Remover, 26 - 35 mm



Steering Head Bearing Assembly Tool Kit for Motorcycles

- allows a careful assembly of upper and lower steering head bearings
- suitable for Kawasaki, Honda and Harley Davidson
- Includes:
 - 1 press nut with crank
 - 1 mounting screw
 - 1 nylon washer
 - 2 step rings for Kawasaki
 - 2 step rings for Honda
 - 1 step ring for Harley Davidson
 - 1 washer plate
 - 1 pressure washer
- carbon steel
- satin chrome finish

Item #
8461



Fork Seal Driver

- for installing seals into motorcycle forks
- adjustable for fork diameter from 35 to 45 mm
- suitable for many motorcycle types

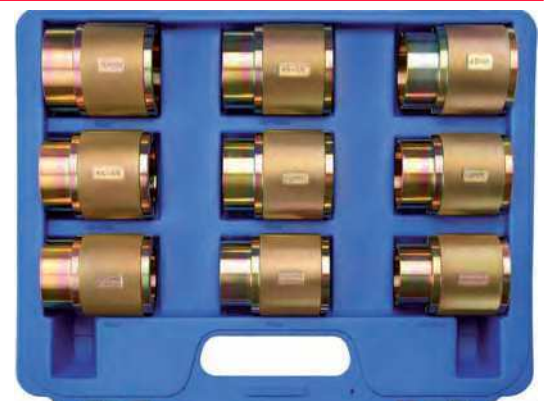
Item #
8895



9-piece Motorcycle Fork Seal Driver Set

- contains 9 half shells in following sizes: 35/36 - 39 - 41 - 43 - 45 - 46/47 - 48 - 49/50 - 54 mm
- for use on conventional and upside-down forks
- allows quick and convenient replacement of fork seals without disassembling the conventional fork legs
- zinc plated
- knurled ring for better grip

Item #
8474



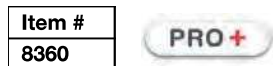
Motorcycle Fork Fill and Control Tool

- a must have tool for filling and checking the fork oil capacity. The correct amount of oil is crucial for good responding properties of a motorcycle fork
- allows testing of oil volume (ml) and oil level (mm)
- includes:
 - measuring rod with adjusting ring, 0 - 300 mm
 - filling and measuring syringe with suction hose, 70 cc



10-piece Spoke Wrench Set for Motorcycles

- for the replacement of spokes, or tightening of wheel spokes
- size: 5.2 - 5.4 - 5.6 - 5.8 - 6.0 - 6.2 - 6.4 - 6.6 - 6.8 - 7.0 mm



Wire Spoke Wrench

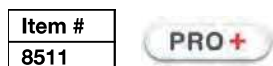
- forged
- chrome plated
- suitable for 6,3 - 5,6 - 5,0 - 4,5 mm wire spokes
- for tightening wire spokes on a bicycle



Spoke Torque Wrench, interchangeable heads

6.3 1/4

- rim life is extended by tightening all the spokes with the same torque value
- 10 interchangeable heads with 12 x 9 mm square drive, suitable for the most popular spoke sizes
 - 5.1 - 5.8 - 6.1 - 6.3 - 6.4 - 6.5 - 6.7 - 6.9 mm
- ratchet head: 6.3 (1/4), 24-tooth, for sockets
- torque range: 3 - 15 Nm
- now with quick release button
- length: 195 mm



Motorcycle

Chain Breaker (428 - 630 Chain)

- to separate O-Ring, X-Ring and conventional chains
- suitable for following chains:
428, 428H, 520, 520H, 525,
525H, 530, 530H, 630, 630H

Item #
8634



Chain Breaker for 3/8" to 5/8" Chain

- to separate motorcycle O-Ring, X-Ring and conventional chains

Item #
1743



Riveting Tool for Motorcycle Chains

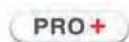
- for separating and riveting chains
- suitable for hollow and solid rivet chain locks the sizes 35 - 525
- also suitable for engine timing chain
- 3 separating tips included: 2.2-2.9-3.8 mm

Item #
8802



Hook Wrench for Adjusting Chains on Motorcycles

- for turning the eccentric hub and adjusting the chain tension
- material: stainless steel



Item #	Description
5086	Chain Adjusting Tool for Ducati 748, 916, 996, 998
5087	Chain Adjusting Tool for Ducati 1098, 1198
5088	Chain Adjusting Tool for Triumph



Motorcycle Chain Cleaning Brush, 265 mm

- extends the life of the chain
- U-shaped brush allows easy drain cleaning



Item #
8362



21-piece Motorcycle Chain Tool Set

- is required when replacing motorcycle chains
- includes the following 3 chain service tools:
- chain lock clip pliers for removal and installation of chain lock clips
- chain holding tool, holds both ends of the chain together
- extensive chain link separating and riveting tool, for disassembly and assembly of drive and timing chains
- drift punch diameter: 2.2 - 2.9 - 3.8 - 4.8 mm



Item #
8867



Wheel Bearing Tool Set for Harley-Davidson

- ideal tool for the assembly and disassembly of wheel bearings without damaging the wheel
- suitable for wheel bearings with 3/4" and 1" inner Ø, built 2000-2006 and for 25 mm wheel bearings installed on most models during 2007 - 2008 with and without ABS



Item #
8373



Spring Compressor Set for Harley Davidson

- two sets in one:
- suitable for 39 mm and 41 mm front fork springs
- special socket for disassembly and assembly of fork cap
- 195 mm long clamping spindle with a diameter of 18.6 mm



Item #
992



Motorcycle

Spring Tensioner for Upside-Down Forks

- helps save time, one-man operation
- for pre-tensioning of fork springs
- suitable for most common Upside-Down forks
- 340 to 800 mm clamping range
- made for springs up to 2350N
- length: 570 mm



Item #
1174



2-piece Motorcycle Spring Compressor Kit

- facilitates assembly of springs on the spring strut
- max opening width 100 mm
- 3/8" and 17 hex. drive
- rubber protection on the tensioning claws prevent damage to the spring coating
- made from high grade steel
- housing is made from stainless steel
- suitable for cylindrical springs with a wire diameter up to 11 mm



Item #
991



Motorcycle Coil Spring Compressor for Central Struts

- 4 adaptors for use on a wide range of coil springs
- adaptor-Ø 60 - 66 - 72 and 75 mm
- with eyelet and clevis adaptor
- is a great time saver
- manufactured from aluminium



Item #
8521



TDC Dial Indicator for Ignition Adjusting on Motorcycles

- precision gauge for locating the piston TDC
- allows precise ignition timing
- suitable for most cylinder heads
- spark plug thread adapter in 10, 12 and 14 mm
- includes:
 - 1 gauge 10 mm stroke, 1/100mm graduation
 - 1 adapter with gauge clamp, length 3 cm
 - 1 extension M8x1.0, length 3 cm
 - 1 adapter M10x1.0
 - 1 adapter M12x1.25
 - 1 adapter M14x1.25
 - 3 stylus extensions

PRO +

Item #	Description
8319	TDC Dial Indicator for Ignition Adjusting on Motorcycles
8319-1	Gauge Ø42 mm, for BGS 1938 / 8319 / 8159



Carburetor Screwdriver with Shaft

- facilitates the adjustment of carburetor kits, particularly suitable for work in tight spaces such as motorcycles
- suitable for slotted screws
- slot size: 1 x 5 mm
- adjustable depth stop 0 - 5.5 mm
- marked, lockable knurled sleeve for detecting the rotational range
- length: 470 mm

Item #
4842

PRO +



Motorcycle Brake Piston Pliers

- for removing the brake pistons
- suitable for most scooters, quads and motorcycles
- knurled jaws for better grip
- suitable for piston inside diameter 17 - 40 mm

Item #
8419

PRO +



14-piece Brake Piston Removal Kit for Motorcycles

- suitable for nearly all brands
- for piston diameter 19 to 30 mm
- allows easy disassembly of brake pistons
- works also on stuck pistons

Item #
8242

PRO +



Brake Bleeder Tool

- one-man operation
- can also be used on clutch systems
- working air pressure 6-12 bar
- includes a hose for extracting liquids
- length x width x height: 225 mm x 135 mm x 192 mm

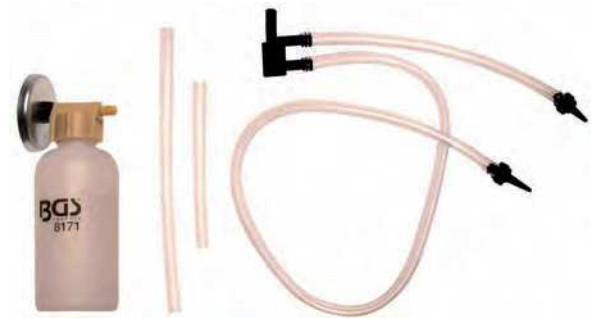


Item #
8066



Brake Bleeding Bottle

- allows a bleeding of brake and clutch systems on motorcycles
- magnet for attachment to the frame
- includes 3 adapters



Item #
8171



Motorcycle Special Socket, 19-22-24 mm

- three different int. hex. sizes:
 - 19 mm: Yamaha
 - 22 mm: Kawasaki, BMW
 - 24 mm: Suzuki & Honda, BMW K1, K1000
- for assembling / disassembling of the full floating axle
- 19 or 22 mm hex. drive socket (socket not included)



Item #
5059



Motorcycle Special Socket, 17-19-22-24 mm, 3/8" Drive

10 $\frac{3}{8}$ "

- suitable for wheel axle
- 4 different internal hexagon sizes: 17-19-22-24 mm
- for Yamaha, Kawasaki, BMW, Suzuki, Honda



Item #
5058



Internal Hexagon Bit Set for Motorcycles

12.5 1/2

- is required when working on motorcycle axles and forks
- 1/2" adaptor
- bit sizes: 17, 19, 22 and 24 mm
- material: chrom vanadium



Item #
5060

PRO +

Central Lift for Dirt Bikes / Cross Motorcycles

- facilitates cleaning of the wheels and is helpful for maintenance and repairs of the chain drive and on the wheel suspension
- min. height: 270 mm
- max. height: 390 mm
- lifting surface: 230 x 285 mm



Item #
8424

PRO +

Hydraulic Motorcycle Lifter, 680kg

- suitable for motorcycles with underslung frame
- min. height: 145 mm
- max. height: 420 mm
- lifting height: 275 mm
- rubberized lifting frame, l 325 x w 335 mm
- dimensions: 865 x 360 x 325 mm

PRO +

Item #	Description
8389	Hydraulic Motorcycle Lifter, 680kg
8389-1	Replacement Hydraulic Cylinder for BGS 8389



Motorcycle Lifter for Single-Sided Swingarms on Rear Axles

- suitable for single-sided swingarms on rear axles
- ball bearing holding bolt for rear axles
- very useful when the wheel must be turned e.g. rims when cleaning the rims, lubricating the chain, etc.
- allows removal of the rear wheel on motorcycle without center stand
- 24.8 mm lifting pin



Item #
9244



Motorcycle Wheel Balancer

- an economic alternative to an expensive balancing machine
- allows static balancing of motorcycle tires up to 740 mm diameter and 320 mm width
- centering cone: Ø 17 to 29 mm wheel centering
- painted steel frame with a carbon steel made balancing shaft
- includes 2 centering cones for centering the wheel on the balancing shaft
- precision ball bearings provide a low-friction pendulum motion for precise balancing of the wheel



Item #
8459



Tire Lever, for Motorbikes, 370 mm

- chrome plated
- plastic handle

Item #
1529



Tire Lever with Aluminium Handle, 390 mm

- chrome plated
- rounded edges
- ideal size for comfortable working
- aluminium handle for extra convenience - no fatigue limit !

Item #
1528



Nut Splitters

- forged carbon steel, separates bolts and corroded/stuck nuts
- without damaging the thread



Item #	Description
1810	Nut Splitter, up to 22 mm
1811	Nut Splitter, up to 16 mm



2-piece Nut Splitter Set, 12-16 & 16-22 mm

- consists of Item 1810 + 1811

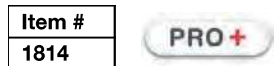


Item #
1812



Nut Splitter, 3-24 mm

- forged
- opened jaw, for nut sizes 3 - 24mm
- 360° spinning blade



Item #
1814



3-piece Measuring Cup Set

- includes the following 3 measuring cups:
 - 500 ml measuring cup with 50 ml graduation line
 - 1000 ml measuring cup with 50 ml graduation line
 - 2000 ml beaker containing 100 ml graduation line

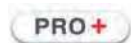


Item #
9946



Fluid Flasks

- acid, oil and alkali resistible
- with threaded nozzle for fillers (filler not included)



Item #	Description
8568	Fluid Flask, 1 L
9983	Fluid Flask, 2 L
9984	Fluid Flask, 4 L
8569	Fluid Flask, 5 L



Nut Splitter / Oil Service

Pouring Spout for Oil Cans BGS 9983 and 9984

- flexible
- facilitates filling



Item #
9988

PRO

9 Liter Coolant Water Can

- made from durable plastic material



Item #
9968

PRO+

Oil Funnel, 850 ml Reservoir

- square type



Item #
9986

PRO+

Oil Filling Set for Automatic Transmission

- for a clean filling of automatic transmission with gear oil
- suitable for transmissions which can be filled through the dipstick tube
- funnel with inspection window, Ø 125 mm, 211 mm long
- adapter tube, 150° angled, for steep dipstick tubes
- filling tube adapter for inclined dipstick tubes
- filling tube with a conical tip and rubber seal, tube diameter 16 mm, 430 mm length, for dipstick tube diameter 8 to 15 mm
- plastic hose, 200 mm length, Ø 13.5 x 16 mm



Item #
8898

PRO+

Oil Funnel, bent

- double angled for hard to reach places
- height: 320 mm
- funnel: Ø 145 mm

Item #
8695



Funnel, Metal Finish

- with flexible neck and sieve
- mouth Ø 145 mm
- neck length: 300 mm

Item #
8030



Oil Funnel for Toyota / Lexus

- for clean filling of engine oil
- fixed mounting on oil filler
- funnel diameter: 125 mm
- length: 220 mm
- 65 mm viewing window

Item #
8762



Multi Purpose Funnel, 160 mm

- suitable for oil, anti freeze, diesel etc.
- length: 400mm
- tube size: 1/2"
- closes by sliding a ring and by closing a plug at the end of the hose

Item #
8406



Oil Funnel Set

- helps to fill in engine oil spillage free
- tubing and adapter are made of aluminum
- 1l funnel capacity
- includes the following adapters:
 - M37 x 3.0 for Lexus, Toyota (except Prius & Yaris)
 - M42 x 4.5 for Subaru (except Tribeca)
 - M32 x 3.5 for Nissan, Honda, Accura (except MDX & RDX)
 - M35 x 4.0 for most Mazda
 - bajonet adaptor for Audi, VW, BMW, Mercedes, Volvo, Dodge



Item #
8505



Oil Barrel Pump, Lever Type

- for pumping liquids from barrels
- suitable for oil, antifreeze, etc. (not for fuel)
- for barrels up to 200 liters
- pumps about 300 ml per stroke
- with 2 "NPT thread



Item #
8343



Oil Barrel Pump

- with standard barrel adapter
- variable depth of immersion up to 100 cm
- 26 mm outlet pipe
- suitable for oil and other non-corrosive liquids



Item #
8345



Lever Pump for Plastic Barrels

- for transferring liquids from plastic barrels with screw connection, 56,5 - 58,5 mm
- suitable for oil, coolant, etc.
- 50" oil-resistant flexible hose
- with non-drip nozzle and a drain back nozzle holder
- self-priming down-stroke style pump
- suction pipe length: 325 mm
- capacity: 60 cc / stroke
- max. fluid temperature: 140°F (60°C)



Item #
8754



Pressure Pump for Oil Barrels

- for easy extraction of oil from barrels
- suitable for 200 l barrels
- simple and easy to operate
- for all non-corrosive liquids
- air inlet: 1/4"
- recommended air hose: 9.5 mm
- operating pressure: 2 to 7 bar
- extraction hose: Ø 12.7 mm
- flow capacity: 2 - 11 l/min
- oil viscosity: 0 - 120
- not suitable for fuel and other easy flammable fluids

Item #
9210



Hand Pump, 200 ml

- suitable for engine, gearbox, transaxle oil & coolant liquids
- transparent housing for checking fluids
- piston with double sealing rings
- material: composite plastic
- also suitable for brake fluid, by replacing the installed seals against BGS 4067-1

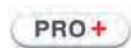


Item #	Description
4067	Hand Pump, 200 ml
4067-1	Fluoroelastomer Seals for BGS 4067



Hand Pump, 1500 ml

- suitable for engine, gearbox, transaxle oil & coolant liquids
- transparent housing for checking fluids
- piston with double sealing rings
- material: composite plastic
- also suitable for brake fluid, by replacing the installed seals against BGS 4068-1



Item #	Description
4068	Hand Pump, 1500 ml
4068-1	Fluoroelastomer Seals for BGS 4068



Manual Oil Suction Pump, Capacity 200 ccm

- for suction of small amounts of gear and clutch oil

Item #
4065



Decanter Pump

- 500 ccm capacity
- can also be used for gearbox and engine oil
- incl. 2 transparent hoses for suction/drain
- overall length (without hose): 330 mm
- diameter 58 mm
- inner diameter of hose: 9.5 mm
- suitable for oil and antifreeze

Item #
3064



Multi Purpose Pump

- suitable for oil, brake fluid and cleaning fluid
- overall size 315 mm, capacity 1000 ml
- note: the pump is not suitable for gasoline and other easy flammable liquids

Item #
8356



Gear Oil Filling Hose for VAG

- is needed when replacing the DSG engine oil
- with adaptor for 1 liter VAG gear oil (G052182A2)
- built-in valve prevents oil spillage

Item #
1402



Oil Drain Adapter Hose for Oil Filter Cartridges

- suitable for VAG 1.8 and 2.0L gasoline engines with engine codes AXW - BLX - BLR - BLY - BVX - BLY - BVZ
- Audi A3 / A4 / A6 / DD
- VW Golf V - Passat - Touran - New Beetle - EOS - Jetta III - Seat Altea - Leon - Octavia - Toledo
- opens a valve when screwing in the oil filter housing
- allows a controlled and clean oil discharge from the oil filter housing

Item #
9000



Oil Filler Tool, 7 Liters

- for filling gearboxes and differentials with oil
- new version with second hose for backflow of excessive oil
- with 8-pc adaptor set with different angles and thread types
- ideal for filling Mercedes 722.9, VW / Audi DSG and CVT transmissions
- hose length 160 cm
- can be used up to SAE 140



PRO +

Item #	Description
9991	Oil Filler Tool, 7 Liters
9991-2	Replacement Container for BGS 9991

Transmission Oil Filling Tool with Hand Pump, 7 liters, with 8 Adapters

- suitable for filling of manual and automatic transmissions
- includes the following 8 adapters:
 - adapter for Ford, 1/8" 27NPT
 - universal adapter for BMW, Honda, Nissan etc.
 - adapter for VW, Audi
 - adapter for VW, Audi, Porsche
 - adapter for VW, Audi, Mini, M10 x 1.0
 - adapter for VW & Audi DSG, M24 x 1.5
 - adapter for VW & Audi CVT, M22 x 1.5
 - adapter for Mercedes 722.9, M12 x 1.0
- viscosity range: SAE 0 to SAE 140
- capacity: 80 ccm per cycle
- tank capacity: 7 l



PRO +

Item #	Description
9992	Transmission Oil Filling Tool with Hand Pump, 7 liters, with 8 Adapters
9992-109	Adapter for Skoda, for BGS 9992
9992-110	Adapter for Audi / VW, for BGS 9992
9992-111	Adapter for Honda / Hyundai / Kia, for BGS 9992
9992-112	Adapter for Volvo (5/16-24 UNF), for BGS 9992
9992-113	Adapter for Lexus, for BGS 9992
9992-114	Adapter for Nissan / Infinity, for BGS 9992
9992-115	Adapter for Passat ATF, for BGS 9992
9992-2	Empty Case (adapter) for Art. 9992

Adaptor Set for Oil Filling Tools, 12 pcs.

- for clean and easy filling of transmission oil
- includes filling adapters for the following vehicles:
 - Ford 1/8 NPT
 - BMW, Honda, Nissan, etc.
 - VW, Audi
 - VW, Audi, Porsche
 - VW, Audi, Mini Cooper
 - Mercedes-Benz 722.9 M12 x 1.5
 - VAG (DSG) M24 x 1.5
 - VW, Audi (CVT) M22 x 1.5
 - Volvo 5/16 x 24
 - Toyota, Lexus, M18 x 1.5
 - Skoda M18 x 1.5
 - VW (Haldex) Passat and Tiguan as of 2001
- suitable for e.g. BGS 9991, 8056, 8775, 9992



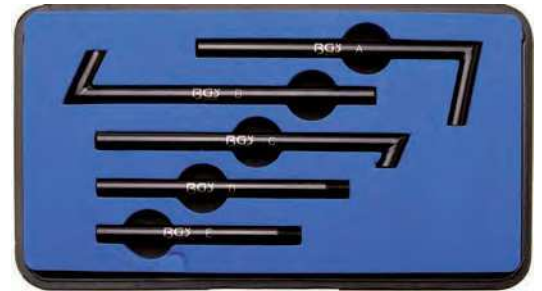
Item #
9990-1



5-pc. Adapter Set for BGS 8056

- short adapter for VAG models to be used as VAG 1924/1
- long adapter for VAG models
- straight adapter for VAG Models to be used as VAG 6262/2
- adapter for Ford models
- adapter for BMW models

Item #
8056-1



Adaptor Set for Oil Filler Tool BGS 8056

- suitable for:
 - Mercedes 722.9
 - VW / Audi DSG
 - VW / Audi CVT



Item #
9990



Air Powered Oil Removing & Filling Tool

- for easy and professional filling of transmissions
- also suitable for other non-corrosive liquids
- adapters for following transmissions:
 - adapter for Ford, 1/8" 27NPT
 - universal adapter for BMW, Honda, Nissan etc.
 - adapter for VW, Audi
 - adapter for VW, Audi, Porsche
 - adapter for VW, Audi, Mini, M10 x 1.0
 - adapter for VW & Audi DSG, M24 x 1.5
 - adapter for VW & Audi CVT, M22 x 1.5
 - adapter for Mercedes 722.9, M12 x 1.0
- pressure gauge for monitoring the filling pressure
- 43 psi safety valve
- air inlet: 1/4"
- air consumption: 2 cfm
- capacity: 6000 ccm



Item #
8775



Air Brake Bleeding and Oil Extraction Unit

- suitable for daily workshops use
- for a clean oil change
- usable for engine, transmission, rear axle oil and other non-corrosive liquids
- suction hose 9.8 - 8.0 - 6.7 - 4.5 mm Ø for extraction by suction through the dipstick tube
- 7.5 l container with base ensures stability to accommodate large amounts of oil
- suitable for oil extraction on all smart models but also for all other vehicles for which an oil change is to be performed without using a car lift
- with a special silicone brake breather hose with a valve for one-hand operation
- easy brake bleeding on brake systems of all types of vehicles
- the built-in hand vacuum pump allows brake bleeding even without compressed air



Item #
3155



70 Liter Waste Oil Drain Receiver

- designed for containing waste oils, such as on engines, gearboxes, rear axles, etc.
- with compressed air connection, makes it easier to empty the container without oil spillage
- hopper capacity: 8 liters (Ø 48 cm)
- with 4 castors, 2 swivel wheels for easy maneuvering (Ø 150 / 75 mm)
- includes emptying hose, length 165 cm
- min. height: 112 cm
- max. height: 162 cm
- container: Ø 41 cm / height 82 cm



Item #
8544

PRO

70 Liter Suction Evac Oil Drainer, Air support

- designed for extracting waste oils, such as on engines, gearboxes, rear axles, etc.
- with compressed air connection, makes it easier to empty the container without oil spillage
- large glass container to check the oil level
- with 4 castors, 2 swivel wheels for easy maneuvering
- includes:
 - flexible suction pipes: Ø 5 - 6 - 7 and 8 mm
 - metal sucking pipes: Ø 5 and 6 mm
 - emptying hose, 1.8 m



Item #
8545

PRO

Oil Tub / Drip Pan with Nozzle, 3.5 Litre

- manufactured from oil fuel resistant HDPE plastic
- impact resistant



Item #
9979



Oil Tub / Drip Pan, 15 Liter with Nozzle

- manufactured from oil and fuel resistant
- made of HDPE plastic
- impact resistant
- diameter: 450 mm
- height: 150 mm
- weight 1075 g
- impact resistant



Item #
9980



Oil Tub / Drip Pan, 8 Liter with Nozzle

- manufactured from oil and fuel resistant
- made of HDPE plastic
- impact resistant
- diameter: 410 mm
- height: 95 mm
- weight 650 g
- impact resistant



Item #
9981



Oil Changing Can, with Nozzle, 8 Liter

- closed construction, special flat type (only 12 cm high)
- ideal for small working space
- special shaped oil basin makes sure no oil will get lost
- with 3 carrying-handles and 3 plastic-screws
- for oil, petrol, chemicals and antifreeze



Item #
9982



Mobile Waste Oil Container with Spout, 40 liters

- for collection of fluids, such as e.g. engine, transmission, rear axle oils and coolant fluids
- suitable for cars and motorcycles
- easy positioning by two wheels, Ø 100 mm
- closeable opening
- equipped with handles on both sides
- overall dimensions: 900 x 500 mm
- dimensions of the collecting area: 350 x 320 mm
- height: 200 mm



Item #
8554



Waste Oil Container, extra flat

- especially suitable where a low tank height is required
- suitable for all fluids in the car such as cooling fluid, all kinds of oils, etc.
- filtering sieve
- drain and vent opening
- max. capacity: 20 l
- overall dimensions: 850 x 600 mm
- dimensions of the collecting area: 490 x 610 mm
- height: 100 mm
- movable, with 2 wheels



Item #
8719



Oil Drum Attachment for emptying of oil filters

- for installation on 20 / 30L standard barrels (Ø 28 cm)
- oil drain connects directly to the barrel opening
- with oil filter receiving for simple and efficient draining of the oil filter
- made of chemical resistant polyethylene
- includes a filter for capturing of debris



Item #
9978



Oil Drip Pan, 60 Liters

- especially suitable for ground-level repairs and for storage of oily parts
- 4 castors and drawbar allow easy positioning
- hand-crank pump for emptying the oil pan
- plastic tub with sheet steel reinforcement for a safe hold of the castors
- dimensions: 1100 x 700 x 190 mm



Item #
9987



12 Volt Oil Pump

- max. flow rate for engine oil approx. 0,2l /min
- ideal equipment for quick and clean oil-changes
- the oil-pump works by connecting the clamps to the 12V car battery
- can remove 100% of the used oil if inserted through the dipstick opening
- complete with all necessary accessories
- not suitable for fuel and other easy flammable fluids



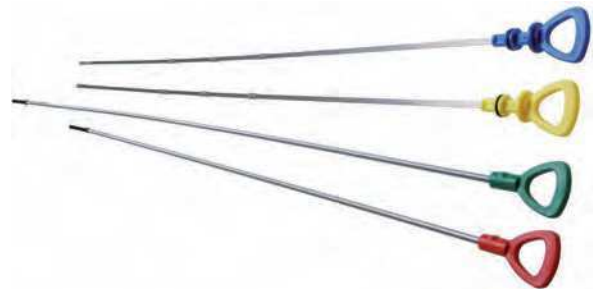
Item #
9910



4-piece Oil Dipstick Gauge Set for Mercedes Benz

- 4 dipsticks for measuring the oil of the engine and the transmission
- absolutely necessary after changing the oil, because vehicles are delivered without oil gauges
- suitable for the following models:

A (length 1220 mm): for transmission oil, transmission type 722.6
B (length 920 mm): for transmission oil, transmission type 722.7, 716.5
C (length 930 mm): for motor oil, motor type 103.943/984/985, 104, 111, 119, 120, 137, 603.913/963/97, 604, 605, 606, 611, 612, 613, 628, 612.965
D (length 930 mm): for motor oil, motor type M112, 113, 646, 647, 648



Item #
1010



Dipstick for Audi and VW with Oil Level Indicator

- suitable for Audi and VW models with oil level indicator in the display
- an unnoticed defect of the display without manual oil level check could cause engine failure
- useful tool after exchange of the oil sensor or to calibrate the driver's display
- fits the following engines:
3.0 and 2.7 L TDI - 2.0 TDI - 1.8 and 2.0 TFSI - 3.0 and 3.2 TFSI
- setting table for measuring stick included
- to be used as OEM T40178



Item #
1052



Automatic Transmission Oil Dipstick Audi A6

- suitable for following Audi A6 / 100 models (without dipstick)
4A, C4 (12.1990 - 07.1994)
44, 44Q, C3 (08.1982 - 11.1990)
43, C2 (06.1976 - 07.1982)
C1 (01.1970 - 12.1976)



Item #
8517



Oil Service Wrench for Audi A4 & A6, BMW

- 19 mm hexagon x M16 spline (tamperproof)
- length: 240 mm
- chrome-molybdenum steel
- satin chrome finish



Item #
8727



Oil Service Tool , 17 mm x H14

- 17 mm 6-pt ring spanner with 14 mm internal hex. bit, slightly angled
- satin chrome finish



Item #
8728



Internal Hexagon Key for Oil Drain and Filler Plugs, 12 mm

- suitable for Alfa Romeo, Fiat and Lancia
- for oil filter, oil filler and oil drain plugs on the transmission, differential
- angled key 40° and 90°
- length: 283 mm



Item #
1005



Special Oil Drain Plug Wrench, 8x10 mm

- forged
- for PEUGEOT



Item #
1006



Oil Pan Special Key 8-in-1

- for daily workshop use
- 4 square sockets: 8 - 10 mm and 3/8" - 1/2"
- 4 hex. sockets: 10 - 12 - 14 - 17 mm
- overall length: 270 mm



Item #
1012



6-piece Drain Plug Key Set, 8-14 mm

12.5 \square 1/2

- satin chrome finish
- sizes: 8-10-12-14 mm, 1/2" & 3/8" square head
- on socket rail



Item #
1016



Drain Plug Key Set, for all Car Types

- for all sorts of cars
- used in combination with spark plug socket or wrench 14 mm or 21 mm
- 6-piece in metal case
- sizes 5/16 x 3/8" (hex.) - 8 mm x 3/8" (sq. head)
- 8 mm x 10 mm (hex.) - 11 mm (sq. head) x 12 mm (hex.)
- 13 mm (sq. head) x 14 mm (hex.) - 1/2" x 17 mm (hex.)



Item #
1015



12-piece Universal Drain Plug Key Set

10 $\frac{3}{8}$ "

- 7 hex. sockets:
8-9-10-12-14-17 mm + 3/8"
- 4 sq. head sockets:
8-11-13 mm + 3/8"
- 1 sliding t-bar



Item #
1017



21-piece Oil Drain Socket Set, 3/8"

10 $\frac{3}{8}$ "

- black finish
- 9 hexagon sockets:
8-9-10-12-14-17 mm, 5/16", 3/8", 1/2"
- 5 square sockets 8-12-13-14 mm, 1/2"
- 1 inner square socket 10 mm
- 1 triangle socket 10 mm
- 1 spline socket M16
- 1 sliding T-bar 200 mm



Item #
1014



15-piece Magnetic Sockets for Oil Drain Screws

10 $\frac{3}{8}$ "

- facilitates the disassembly / assembly of oil drain plugs
- oil drain plugs will be held on the magnetic sockets
- includes the following sizes:
 - 8 - 10 - 12 - 13 - 14 - 17 mm,
for drain plugs with internal 6-pt.
 - 8 - 10 mm for drain plugs with internal 4-pt.
 - T45 for drain plugs with T-Star
 - 13 - 14 - 17 - 18 - 19 - 21 mm,
for drain plugs with external 6-pt.
- shiny chrome finish



Item #
2256



534-pcs. Oil Drain Plug Screws and Aluminum O-Ring Assortment

- Oil Drain Plug Screws:
5x M10, 5x M12, 5x M13, 5x M14, 5x M15,
3x M16, 3x M18, 3x M20
- Aluminum O-Rings:
50x6 mm, 50x8 mm, 50x10 mm, 50x12 mm, 50x13 mm,
50x14 mm, 50x15 mm, 50x16 mm, 50x18 mm, 50x20 mm

in plastic storage case



534-piece Oil Drain Plug Screws and Copper O-Ring Assortment

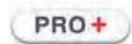
- Oil Drain Plug Screws:
5x10 mm, 5x12 mm, 5x13 mm, 5x14 mm,
5x15 mm, 3x16 mm, 3x18 mm, 3x20 mm
- Copper O-Rings:
50x6 mm, 50x8 mm, 50x10 mm, 50x12 mm, 50x13 mm,
50x14 mm, 50x15 mm, 50x16 mm, 50x18 mm, 50x20 mm

in plastic storage case



Oil Drain Plug Repair Kit

- Each set contains:
- 1 screw tap HSS-G
 - 6 spare screws
 - 6 gasket rings



Item #	Description
168	Repair Set for Oil Drain Thread, M13x1.25
156	Oil Drain Plug Repair Kit, M13x1.5
151	Oil Drain Plug Repair Kit, M14x1.25
157	Oil Drain Plug Repair Kit, M15x1.5
158	Oil Drain Plug Repair Kit, M17x1.5
159	Oil Drain Plug Repair Kit, M20x1.5



Oil Drain Plugs

Oil Drain Repair Kit, 64-pcs.

- 4 piece chrome molybdenum taps:
M13x1.5 / M15x1.5 / M17x1.5 / M20x1.5
- 5 screws each:
M13x1.5 / M15x1.5 / M17x1.5 / M20x1.5
- 10 aluminum washers each: 13 - 15 - 17 - 20 mm

PRO +

Item #	Description
126	Oil Drain Repair Kit, 64-pcs.
126-BM13	M13x1.5 Taps from BGS 126
126-BM15	M15x1.5 Taps from BGS 126
126-BM17	M17x1.5 Taps from BGS 126
126-BM20	M20x1.5 Taps from BGS 126
126-SM13	M13x1.5 Drain Plug, 5 pcs., for BGS 126
126-SM15	M15x1.5 Drain Plug, 5 pcs., for BGS 126
126-SM17	M17x1.5 Drain Plug, 5 pcs., for BGS 126
126-SM20	M20x1.5 Drain Plug, 5 pcs., for BGS 126
126-UM13	13 mm Sealing Rings, 10pcs., for BGS 126
126-UM15	15 mm Sealing Rings, 20pcs., für BGS 126
126-UM17	17 mm Sealing Rings, 20pcs., for BGS 126
126-UM20	20 mm Sealing Rings, 20pcs., for BGS 126



Oil Drain Plugs / Oil Filter Strap Wrenches

Repair Kit for Oil Drain Screws, 114 pcs.

- 6 taps:
M13x1.25 / M13x1.5 / M15x1.5
M17x1.5 / M20x1.5 / M22x1.5
- 6 screws each:
M13x1.25 / M13x1.5 / M15x1.5
M17x1.5 / M20x1.5 / M22x1.5
- 72 aluminum washers 13 - 15 - 17 - 20 - 22 mm

Item #
123



Oil Filter Strap Wrench XL, 125 - 145 mm

12.5 \square 1/2

- for extra large oil filter diameters up to 145 mm
- high strength steel strip for long life
- also suitable for loosening granulate air dryer cartridges on trucks

Item #
8793



Oil Filter Wrench

- for loosening of tight oil filters
- especially suitable for tight spaces
- steel strip is tensed by turning the clamping screw at the end of the handle
- profiled steel strip prevents sliding over the filters

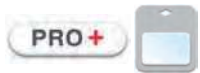


Item #	Description
8537	Oil Filter Wrench, 65 - 105 mm
8536	Oil Filter Wrench, 110 - 155 mm
8537-1	Replacement Band 65 - 105 mm for BGS 8537
8536-1	Replacement Band 110 - 155 mm for BGS 8536



Oil Filter Wrench, Spring Steel Strip, Aluminium Diecast

- for all types of oil filters



Item #	Description
1028	Oil Filter Wrench, Spring Steel Strip, Aluminium Diecast, up to 105 mm
1029	Spare Spring Strip for #1028
1027	Oil Filter Wrench, Spring Steel Strip, Aluminium Diecast, up to 155 mm
1025	Spare Spring Strip for #1027



Oilfilter Strap Wrench, 20-190 mm

- continuously adjustable
- strap width approx. 26 mm
- length of tool body approx. 255 mm
- extra heavy duty finish, tool weighs ca. 875 g
- perfect for working on oil filters etc.
- strap material similar to a V-belt
- material: steel

Item #
1008



30-piece End Cap Oil Filter Wrench Set

10 $\frac{3}{8}$

- black finish caps
- three leg oil filter wrench
- adaptor 10 (3/8) x 12,5 (1/2)

PRO +

Item #
1039

CV



Set Contents

Item #	Size	Steps	Grooves	Planes	Example Applications
1039-66-6	66	1	6		Fiat Punto 1.2, Renault Clio 1.2, Rapid, Twingo
1047	65	1		14	Daihatsu, Toyota, Nissan, Fiat
1039-65-67	65-67	1		14	Daihatsu, Toyota, Nissan, Fiat
1039-68-14	68	1		14	Mazda, Ford, Subaru
1039-73-14	73	1		14	Toyota, Lexus
1039-74-15	74	1		15	Audi, Rover, Chrysler
1039-74-76	74-76	2		15	Ford, Opel, VW, Audi, Mercedes
1039-75-77	75-77	2		15	VW, Audi, Isuzu, Mercedes
1039-76-12	76	1		12	Fiat, Mercedes, Renault
1039-76-14	76	1		14	VW, Porsche, Mercedes-benz, BMW, Audi, Opel
1039-76-30	76	1	30		Ford
1039-76-8	76	1	8		Fiat, Lancia
1039-78-15	78	1		15	Nissan, Ford, Toyota
1039-80-15	80	1		15	Nissan, Honda, Opel, Mazda
1039-80-82	80-82	2		15	Subaru, Toyota, Honda, Nissan
1039-86-16	86	1		16	Volvo
1039-86-18	86	1		18	VW Golf, Audi A6 TDI, Peugeot, Citroen
1039-90-15	90	1		15	Honda, Mitsubishi, Isuzu
1039-92-10	92	1		10	Fiat
1039-93-15	93	1		15	Mazda, Volvo, Mitsubishi, Nissan, Honda
1039-93-36	93	1	36		Ford
1039-93-45	93	1	45		VW, Audi TDi
1039-95-15	95	1	15		Toyota, Alfa, Ford
1039-96-18	96	1	18		Audi A4, A6 TDI, VW Passat TDI, Renault Laguna
1039-100-15	100	1		15	Isuzu, Mitsubishi
1039-106-15	106	1		15	Fiat Ducato
1039-108-15	108	1		15	Volvo
1039-108-18	108	1	18		Renault Espace, Laguna, Safrane, Traffic
1039-ADAPT	Adaptor 12,5 (1/2) x 10 (3/8)				
1039-SPINNE	Oil filter wrench				

9-piece Oil Filter Cap Set

10  3/8

- includes the following oil filter cap wrenches:
 - 64.5 mm x 14-pt., aluminum chrome finish, for Toyota Auris, Corolla, Premio, Prius
 - 64.5 mm x 14-pt., aluminum chrome finish, for Toyota V6 Modelle von 2007-2008 Lexus ES 350, GS 350, GS 350h, LS 460, RX 350, LS 600j L
 - 88.8 mm x 15-pt., aluminum chrome finish, for Kia and Hyundai
 - 74.2 mm x 14-pt., aluminum chrome finish, for Audi, BMW, Ford, Mazda, Toyota, Volkswagen, Porsche, Mercedes V6 / V8
 - 86.6 mm x 16-pt., aluminum chrome finish, for BMW 335i, 535i, 3 series E90, X6 3.0L, Volvo Modelle 1999-2006 (not 2005 40 and 50 models)
 - universal oil filter cap wrench 63 - 83 mm, SCM 440 chrome finish
 - 27 mm x 6-pt., S45C nickel, for Mercedes and Smart models
 - 32 mm x 6-pt., S45C nickel, for Opel 4-cyl. 2.2 L X10XE, X12XE, Y17DT, Y17DT and Mercedes OM 364, OM 366
 - 36 mm x 6-pt, S45C nickel, for Mercedes Diesel OM604, OM605, OM606, BMW M52, M60, M70, Mini, VW VR6



Item #
8667



7-piece Low Profile Oil Filter Wrench Set

10  3/8

- low profile design perfect for use on cartridge style filters
- contains following sizes:
 - 24 mm (misc. BMW)
 - 27 mm (Mercedes A-class)
 - 32 mm (Opel Astra G, Corsa B, Zafira)
 - 36 mm (misc. BMW, Ford Mondeo 2.0, Transit 2.0, D, Opel Vectra B, Zafira, misc. Mercedes)
 - 38 mm Opel Vectra 2.0D
 - 29 mm (misc. models)
 - 30 mm (misc. models)
- drive: 3/8"



Item #	Description
8377	7-piece Low Profile Oil Filter Wrench Set
8377-27	27 mm Oil Filter Cap Wrench for Mercedes A-Class, from BGS 8377
8377-36	36 mm Socket from BGS 8377

36mm Oil Filter Socket, 1/2"

12.5  1/2

- suitable for e.g. the following models:
 - Opel (Vauxhall) Astra, Corsa 1.9 CDTi I
 - Ford Mondeo, Transit 2.5 & 2.0 (Duratorq)
 - Mercedes Vito
 - VW Passat, Polo 1.2L petrol from 05
 - VW Transporter T5 1.9 liter diesel from 04, Touran TDI
 - Audi A6 3.2 L TSI V6 from 04
 - and engines built in BMW and MAN



Item #
8821



Oil Filter Cap Wrenches

End Cap Oil Filter Wrenches, Black Finish

10  3/8

- 1036: for Toyota Diesel
- 1047: for Daihatsu, Toyota, Nissan, Fiat
- 1047: for Daihatsu, Toyota, Nissan, Fiat

PRO +

Item #	Description
1036	End Cap Oil Filter Wrench, black Finish, 99 mm x P15
1046	End Cap Oil Filter Wrench, black Finish, 76 mm x P14
1047	End Cap Oil Filter Wrench, black Finish, 65 mm x P14
1007	Oil Filter Cup Wrench for MB Sprinter, 84 mm x 14pt



End Cap Oil Filter Wrenches, Aluminium Diecast

12.5  1/2

- 1041: for VW, Mercedes, BMW, Audi, Opel
- 1042: for Toyota, Nissan, Fiat, Daihatsu
- 1045: for GM, Chrysler

PRO +

Item #	Description
1041	End Cap Oil Filter Wrench, Aluminium Diecast, 74 mm x P14
1042	End Cap Oil Filter Wrench, Aluminium Diecast, 64 mm x P14
1045	End Cap Oil Filter Wrench, Aluminium Diecast, 75 mm x P15



Oil Filter Cap Wrench Set, 65 - 75 mm

12.5  1/2

- includes 4 aluminum oil filter cup wrenches
- 65 mm x 14-kant
- 67 mm x 14-kant
- 74 mm x 14-kant
- 75 mm x 15-kant



Item #
8384



Oil Filter Cap Wrench 76 mm x 6 Groove

12.5  1/2

- 1/2" and 24 mm 6-pt drive
- suitable for 76 mm oil filters with 6 grooves, installed in:
 - Audi A3, A4, A6
 - BMW motorcycle
 - Citroen C5, Xantia
 - Fiat Brava, Bravo, Punto, Tipo
 - Ford Fiesta, Escort
 - Mercedes Benz cars and Sprinter
 - Peugeot 106, 206, 306, 406
 - Renault Clio, Kangoo, Megane, Laguna, Rapid
 - Honda Accord, Civic, Prelude, CRX
 - Opel Astra G / F, Corsa B / B, Corsa, Zafira, Frontera
 - Suzuki Grand Vitara 1.9 2009
 - VW Golf III & IV, Polo, Passat, Sharan
 - Seat Alhambra, Toledo, Leon, Cordoba
 - Skoda Octavia
- also suitable for fuel filter on
 - Renault Espace, Laguna, R19
 - Volvo S40, V40 up to 99
- black coated steel



Item #
8539

PRO +

Oil Filter Cap Wrench for Toyota / Lexus, 64.5 x 14-pt.

10  3/8

- suitable for the following models:
 - 2007-2008 Toyota 3.5l V6
 - Lexus GS300 (2006)
 - Lexus IS250 (2006 -)
 - Lexus ES350 (2007 -)
 - Lexus GS350 (2007 -)
 - Lexus GS450h (2007 -)
 - Lexus LS460 (2007 -)
 - Lexus RX350 (2007 -)
 - Lexus LS600H (2008)
- drive: 3/8" and hex. 24 mm
- material: aluminum, black coated



Item #
8761

PRO +

Oil Filter Cap Wrench for Hyundai / Kia

10  3/8

- suitable for KIA Mohave und Hyundai Veracruz
- 15-pt.
- aluminum
- 3/8" drive



Item #
997

PRO +

Oil Filter Cup Wrench for Toyota

10  3/8

- for most Toyota 1.8 & 2.0l 4 cylinder engines
- installed in Toyota Auris, Corolla, Premio and Prius
- aluminum
- 3/8" drive



Item #
998

PRO +

Oil Filter Cup Wrench Set for Renault dCI Engines

- suitable for Renault 1.5 L, 1.9 L, 2.2 L, 2.5 dCI engines
- also suitable for identical engines in Nissan, Opel and Dacia identical
- 27 mm x 12-pt cup also fits for MB A-Class
- 96 mm x 18-pt cup also fits Audi A4, A6 TDI and VW Passat TDI



Item #
1009



3-piece End Cap Oil Filter Wrenches

10 3/8

- suitable for following models:
- 27mm 6-pt
Mercedes, Smart, Cadillac CTS, SI 2.8L, 3.2L & 3.6L SRX, Buick Rendezvous Ultra, Buick LaCrosse CXS, Stum L3000, Saab 9-5
- 32mm 6-pt
Mercedes, GM Opel/Vauxhall, Astra, Corsa, Zafira.
- 36mm 6-pt
Vauxhall / Opel, Omega DL 16V, Vectra, Zafira 98, BMW 16V, Ford Mondec 16V Duratorq, Transit 2.5 & 2.0 Dura Torq Diesel, Mercedes 116MB, Vito
- height of caps: 35 mm



Item #
1037



Oil Filter Cap for Mercedes-Benz / Jeep Cherokee

10 3/8

- suitable for Mercedes E320, Sprinter and Jeep Cherokee 3.0L V6 Diesel 07-



Item #
1053



Chain Oil Filter Wrench, 1/2", 65-115 mm

12.5 1/2

- heavy duty finish
- with extremely robust 32 chain links



Item #
1033



Professional Oil Filter Chain Wrench

12.5 1/2

- pro version with duplex chain
- chain width 13 mm
- for every day workshop use
- also for stuck oil filters
- easy handling
- suitable for all steel filter cartridges with diameter 60-115 mm



Item #
1002



Heavy Duty Oil Filter Chain Wrench, 60-160 mm

- heavy duty tool with duplex chain
- chain width approx. 22 mm
- handle satin chrome finished
- claw prevents slipping
- 180° swivel handle
- ease to use due to special chain-lock
- suitable for oil filters 60-160 mm
- length 520 mm



Item #
1011

Three Leg Oil Filter Wrench, 1/2", 21 mm hex. Adaptor

10 3/8

- for filters with a diameter between 45-75 mm
- chrome plated



Item #
1031

PRO +

Three Leg Oil Filter Wrench, 3/8", 19 mm hex. Adaptor

10 3/8

- for filters with a diameter between 70-120 mm
- incl. adapter 1/2" to 3/8" with 21 mm outside 6 pt.



Item #
1030

PRO

Three Leg Air Filter Wrench, 75-135 mm

12.5 1/2

- for loosening granulate air dryer cartridges in trucks
- black finish



Item #
1032

PRO +

Three Leg Oil Filter Wrench, Workshop Quality

12.5 □ 1/2

- for oil filters and air cleaners
- right and left handed, for tightening and loosening
- for cartridges with an approx. Ø 95 mm - 160 mm
- 60 mm arm length
- extra heavy duty design 1325 g



Item #
1049



Oil Filter Removal Tool

- for removing 55 to 95 mm oil filters
- three leg oil filter wrench with 4- / 6-pt. drive
- replaceable legs in different lengths
- handwheel for loosening and tightening
- 150 Nm capacity for stuck filters



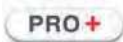
Item #
8596



Universal Filter Wrench

12.5 □ 1/2

- universal use for many filters
- spring loaded, self contracting



Item #	Description
8395	Universal Filter Wrench, 1/2", 60-80 mm
8396	Universal Filter Wrench, 1/2", 80-98 mm
8390	Universal Filter Wrench, 1/2", 110-140 mm

Three Leg Oil Filter Wrenches / Oil Filter Special Wrenches

5-piece Oil Filter Wrench Set

- for removing oil filter housing
- special design for tight spaces
- includes the following sizes:
 - 24 mm, suitable for BMW N62, models 5/7
 - 27 mm, suitable for:
 - BMW Mini - Renault 1.5 / 1.9 / 2.2 / 2.5 DCI
 - Ford Fiesta 1.4 / 1.6 TDCi Mercedes A-Class
 - Ford Transit 2.2 / 2.4 / 3.2 > 2006
 - 32 mm, suitable for:
 - Ford Transit 2.0 / 2.4 2000-2006
 - Volkswagen Polo 1.2, Transporter T5 1.9 > 2004
 - Audi A6 3.2 V6 TSI > 2004 - Vauxhall / Opel Astra G, Corsa B
 - 36 mm suitable for:
 - M616 Mercedes vans, vans 116MB/100
 - Mercedes 220D, E220D, M604, C250D, E250D, M605, E300D, M606
 - BMW M52 (3/5 series), M60 (5/7/8 series), M73 (7/8 series)
 - Vauxhall / Opel Vectra B di 16V > 98
 - Volkswagen Transporter T5, Lupo 1.2 TDi, Toureg TDi
 - 38 mm, suitable for Vauxhall / Opel Astra, Zafira 2.0 / 2.2 dti
- to be used with ratchet
- on metal rail



Item #	PRO +
8677	

Oil Filter Cap for PSA & Ford, 27 mm

- suitable for Ford Duratorq 2.0 / 2.2 TDCI with engine code DW10C and DW12C, PSA 2.0 and 2.2 HDI
- e.g. in models: S-Max, Mondeo, Galaxy
- 12-pt. type with 1/2" drive



Item #	PRO +
1044	

Oil Filter Wrench, especially for Mercedes, Dodge and Jeep

- suitable for e.g. following models:
 - Mercedes-Benz Sprinter (2007)
 - Mercedes-Benz E320 (2007)
 - Dodge Sprinter (2007)
 - Jeep Cherokee 3.0 V6 Diesel (2007)
- depth: 48 mm
- drive: 1/2"



Item #	PRO +
8765	

Oil Filter Wrench for Opel 3.0 Dti

12.5 1/2

- size: 110 mm x 15-pt,



Item #	PRO +
8859	

Renault Oilfilter Wrench

- for Renault EF34 oil filters 76 mm 12-point
- stuck oil filters can be easily loosened due to extra long handle
- suitable for the following models:
 - Renault Twingo R5, Rapid sedan with C, Clio, Kangoo petrol-R12 Espace III, Laguna sedan with F, Megan Kangoo with K Gasoline engines, R21 Espace I + III F Gasoline engines and Traffic with J gasoline engines
 - Ford Diesel 1.8 Motorcraft filter and EFL344
 - Peugeot with Purflux Filter



Item #
8259



Oil Filter Wrench for Haldex Clutch

- 46 mm 12-point
- for VW 4-wheel manual transmission



Item #
1048



Self Grip Oil Filter Pliers, 53-115 mm

- forged
- nickel plated
- range of jaw: 53-115 mm
- 230 mm long



Item #
1038



Oil and Fuel Filter Pliers with Swivel Jaws

- jaws can be inclined up to 90° in both directions for easy removal of oil and fuel filters
- ideal for loosening filters in hard-to-reach areas that could not be loosened with common oil filter pliers
- jaws adjust in 4 positions every 45°
- can grip filters from 57 mm to 120 mm
- slipping around the filters is avoided by 6 heavy claws on each jaw



Item #
8271



Voltage Tester GS, 120-250 Volt, 140 mm long

- TÜV / GS approved
- with lense and metal clip



Item #
725

Universal Voltage Tester

- TÜV / GS approved
- 12-400 V AC voltage
- 12-500 V DC voltage
- 2-pole
- 5-way LED-polarity light
- 12 volt/50 volt/120-150 volt/
220-230 volt/400 -500 volt

Item #
724



Diode Testing Light, 3-48 Volt, LED Display

- allows stippling of insulated cords

Item #
723



Voltage Tester with Continuity Tester, 1-24 Volt

- handy tester for 1 - 24 volt DC measurements on e.g. trucks, cars, motorcycles and other battery-powered electric 1-24 V systems
- LED for better illumination of the works
- test needle for measurements of cabling
- built-in continuity tester is ideal for testing e.g. switches, wiring, fuses etc.
- 12 LED power indicator

Item #
63521



Voltage Tester / Multimeter

Brass Car Light Tester, 6-24 Volt

- nickel plated
- with needle with screwable top



Item #	Description
2072	Car Light Tester, 6-24 Volt
72	Reserve Bulb for Item # 2072



Battery and Alternator Tester

- for fault diagnosis of 12V battery and charging systems
- easy to use, just connect and check indicator lights
- LED's are electronically controlled
- 3 LED's for battery test:
 - LED red = battery empty or defective
 - LED yellow = battery OK
 - LED green = battery very good
- 3 more LED's for alternator test:
 - LED green = charging system OK
 - LED yellow = charging system OK (maximum charging voltage)
 - LED red = charging system is not OK (it may damage the battery and other parts of the electric system)



Voltage Detector with Digital Display

- LCD display for AC and DC voltage from 24 V to 690 V
- LED display in following 5 voltage steps: 24V, 50V, 120V, 230V, 400V and 690V
- phase rotation indicator: frequency 50 - 60 Hz / voltage 0V - 690V
- continuity tester with acoustic and optical display
- single-pole voltage test
- polarity detection positive / negative (LED display)
- protection class: IP65
- battery test, indicates when the internal battery is weak
- power supply: 2x 1.5V (R03)
- dimensions: 275 x 51 x 30 mm
- weight: 210 g



Voltage Tester / Multimeter

Automotive Circuit Tester

- notably useful and handy multimeter with single-handed control
- for testing electronic circuits (6 - 24 V) in Cars, trucks and motorcycles
- bright LED guarantees a well lit work space
- easy troubleshooting by applying positive or negative potentials
- potential is indicated by two alternatively colored LEDs - comes in handy when testing ignition and injection systems
- built in continuity tester with optical indicator
- 6m power cord is long enough for any measurements /applications on cars and motorcycles
- additional 6m extension cord with reverse polarity protection for applications on trucks and hangers
- one reverse polarity protected voltage adaptor for connecting the multimeter with batteries
- one reverse polarity protected voltage adaptor for connecting the multimeter with your vehicle's cigarette lighter

Item #
40100



Voltage Tester / Multifunction-Probe with Display and 8 Features

- very useful, one hand multi function tester with LCD display
- for testing electric 12-24 volt systems on car, truck and motorcycles
- with bright LED lit work area
- easier troubleshooting by connecting from a positive or negative potential
- potential is indicated by two different colored LED's, very useful for measurements of ignition and injection systems
- built-in continuity tester with optical signal
- Frequency measurements up to 8000 Hz
- non-contact measurement of KV ignition test
- 6 meter power supply cable is sufficient for measurements of cars and motorcycles
- 6 meter extension cable for measurements of trucks or trailers
- reverse polarity protected DC power adapter for connection to battery
- reverse polarity protected DC power adapter for connection to board socket (Cigarette lighter)
- special tip for measurements on low-lying contacts
- 6 adjustable voltage threshold 0.5 V 1.0 V 2.0 V 5.0 V 10.0 V and 48V, as soon as the measured voltage is higher than the preset threshold, then sounds an acoustic signal will sound.
- the measurement options are selected by push buttons

Item #
40105



Voltage Tester / Multimeter

Digital Multimeter

- 3.5 Digits LCD
- low battery indication
- overload protection
- manual range selection
- safety sockets and plugs
- range:
 - DC Voltage 200 mV, 2000 mV, 20 V, 200 V, 250 V
 - AC Voltage 200 V, 250 V
 - DC Current 200 μ A, 2000 μ A, 20 mA, 200 mA, 10 A
 - resistance 200 Ohm, 2000 Ohm, 20 kOhm, 200 kOhm, 2000 kOhm
 - audible continuity sounds under 50 Ohm
 - diode test with read forward voltage



Item #	PRO+		CE
63400			

Digital Multimeter, 3 1/2-digit

- shock resistant plastic protection
- with put-up hinge
- energy-saving LCD-display
- meets the latest regulations
- suitable for measurements in the following ranges:
 - DC voltage: 200mV - 2V - 20V - 200V - 600V
 - AC voltage: 200V - 600V
 - resistance: 200Ohm - 2KOhm - 20KOhm - 200KOhm - 2MOhm
 - DC current: 20 μ A - 200 μ A - 2mA - 20mA - 200mA - 10A
 - diode forward voltage
 - measured value memory button (HOLD)
 - power supply: 9V
 - suitable for measurements in CAT II area



Item #	PRO+		CE
63402			

Automotive Digital Multimeter with USB Interface

- ideal automotive measuring tool
- suitable for 2 and 4-stroke engines
- illuminated 3 5/6 digit display
- USB port for connection to PC
- auto-range, automatically selects the range size
- relative mode, enables differential measurement
- data hold function, freezes the measured value
- overload indication
- low battery indicator
- measuring ranges:
 - DC voltage: 6 - 60 - 600 - 1000V
 - AC voltage: 6 - 60 - 600 - 1000V
 - DC current: 60 mA - 600 mA - 6A - 20A
 - AC current: 60 mA - 600mA - 6A - 20A
 - Resistance: 600 Ohm - 6 KOhm - 600 KOhm - 6 MOhm - 60 MOhm
- Continuity: buzzer sounds under 20 Ohm
- Diode: test current approx. 0.8 mA
- Capacity: 40nF to 4000uF
- Temperature: -20 °C to 400 °C
- Frequency: 10 Hz to 10 MHz
- Duty cycle: 0.5% to 99.9%
- Speed: 120 to 20,000 rpm
- Dwell: (0-90 °) - (0-72 °) - (0-60 °) - (0-45 °)
- Pulse width: 0.5ms to 20ms
- includes: temperature probe, condenser adapter, inductive pick up, 2 measuring cables, USB cable, CD with driver/software, pouch and 9V battery



Item #	PRO+
63401	

Voltage Tester / Multimeter

Digital Clamp Meter

- display: LCD, 3½ digit (1999 count)
- reading rate: 3 reading/sec
- polarity indication
- overload indication
- measuring range:
- DC voltage: 200 V / resolution: 100 mV
600 V / resolution: 1 V
- AC voltage: 200 V / resolution: 100 mV
600 V / resolution: 1 V
- AC current: 2000 mA / resolution: 1 mA
20 A / resolution: 10 mA
600 A / resolution: 1 A
- resistance: 200 Ohm / resolution: 0.1 Ohm
200 KOhm / resolution: 100 Ohm
- dimensions: (l x w x h) 193 x 73 x 25 mm
- weight: 145 g (incl. battery)
- power requirements: 2x 1.5V (AAA)
- incl. storage bag, 2 measuring cables and 2 batteries



Item #	PRO +		CE
2203			

Digital Multimeter with Clamp for DC and AC Current

- 3-3/4 digits LCD max. display value 3999
- measuring ranges:
- AC and DC voltage:
400.0 mV, 4.000V, 40.00 V, 400.0 V, 600 V
- resistance:
400 Ohm, 4 KOhm, 40 KOhm,
400 KOhm, 4 MOhm, 40MOhm
- AC and DC current up to 400A
smallest measure 100 mA
- indicator for negative polarity and overrange
- max. clamp opening: 33mm, max. cable: Ø 28mm
- battery: 2x 1.5V AAA or similar
- low battery indicator
- storage condition: from -10°C to +50°C, max. 85% RH
- dimensions: 194x71x38 mm
- weight: about 215 g (including batteries)
- suitable for category CAT II



Item #	PRO +		CE
2202			

Digital Current Tester for Fuse Contact

- current measurements directly at the fuse box of cars and trucks
- helps to find "hidden" current
- to measure, remove the original fuse and connect the tester plug
- protection of the circuit is still provided by a fuse in the tester
- plugs both for mini fuse and standard fuse sockets
- suitable for 12 V and 24 V systems
- max. current: 20 ampere



Item #	PRO +		CE
63520			

Trailer Socket Tester

- for checking the electrical socket, e.g. after mounting a trailer hitch
- suitable for 12V systems
- possible functional test:
 - right and left indicator light
 - brake light
 - left and right tail light
 - rear fog light
 - polarity test
- LED type
- 100 cm connecting cable



Item #
80763



OBD II (EOBD) Trouble Code Reader

- allows reading and deleting OBDII trouble codes
- no trouble code list required, all trouble codes are displayed in plain text
- viewing the freeze frame values is an important feature to locate a fault
- reading of readiness codes indicates if emission systems are ready or not
- enables reading live data, various parameters are shown in real time
- power supply via OBDII cable from the vehicle
- easy to use
- menu languages: German, English
- OBDII error code = motor control error codes a reading of comfort and safety systems such as Airbag, ABS, radio, heated seats, etc. is not possible with the device



Item #
63311



Digital Battery Load Tester

- big 3-digit LED-Digital-Display
- quick indicator (3 LED lights) for Battery Power Status
- heavy and strong steel housing, chrome plated
- heavy, safe and strong clamps
- fixed Current Load - 100 Amps
- max. capacity of battery to be tested 250Ah / 1.000 CCA
- battery voltage: 12V



Item #
63500



Voltage Tester / Multimeter

12 V Car Battery Charger

- for 12V batteries (cars, motorcycles, boats)
- use for charging lead acid batteries 1,2 Ah to 120 Ah
- overload, short circuit and wrong polarity protection
- fully automatic charging and protection against sulphate collection
- prolonged connection possible for continued charging and battery maintenance
- CPU-Controlled
- input voltage: 220-240V 50-60Hz
- output voltage: 12 V 3,6-4,0 A
- charging voltage: 14,4 V / 0,8 A (Modus 1)
 14,4 V / 3,6 A (Modus 2)
 14,7 V / 3,6 A (Modus 3)
- charging current: max. 3,6 A



Item #
63505



Battery / Charging System Analyzer with Printer

- LCD shows voltage and battery status as well as the available battery capacity
- for 6V & 12V batteries und 12V & 24V charging systems
- for testing VRLA, GEL, AGM as well as SLI batteries
- test based on SAE, DIN, EN, IEC & JIS/AH ratings
- fast testing: 2 seconds for one test
- no need to remove the battery out of the car
- can also test starter and charging system
- application areas: 40-200A SAE, 40-2100 A EN2, 50-2500 A EN 1, 25-1300 A DIN, 30-1500 A IEC
- **built-in printer 25x37 mm**
- software includes English, French, German, Italian, Spanish, Portuguese, Japanese language
- manual included



Item #	Description
2196	Battery / Charging System Analyzer with Printer
2196-ROLLE	2-pcs. spare Paper Roll Set for Item #2196

Wire Piercing Guide

- protects fingers when piercing cables for measuring
- quick, safe and precise piercing of cable insulations
- facilitates measurements in the wiring without destroying the insulation of a large area
- holds test cables in position, so that both hands are free
- suitable for cables up to 2,5 mm²



Item #
8458



Voltage Tester / Multimeter

Fuse Tester

- suitable for mini, standard and maxi-fuses
- LED does not light if fuses are damaged
- with clip for fuse removal



Item #
8468



16-piece Probe Assortment

- allows measurement on connectors and components without destroying the insulation or the plug connection
- 4 mm connection for banana plugs
- includes:
 - 4 mm banana plug
 - 1,3 mm test needle
 - male flat plug adaptor: 6,3 - 4,8 - 2,8 - 2,3 - 1,3 and 0,9 mm
 - female flat plug adaptor: 6,3 - 4,8 - 2,8 - 2,3 - 1,3 and 0,9 mm
- BGS 2192, 2194 and other meters with 4 mm plug



Item #
8516



15-piece Universal Line and Accessories Assortment

- for use with multimeters, testing lights etc.
- 2 cables each 100 and 50 cm, red and blue
- 2 colored LED testing leads for polarity test
- 1 wire piercing probe
- 4 needle testing cables, red and black
- 2 testing tips, red and black
- 2 crocodile clamps, red and black
- suitable for automotive applications up to 24V, 10A



Item #
2185



92-piece Power Probe Test Lead Set

- use together with multimeters (e.g. BGS 2192, 2194, 2195)
- for checking all types of electric circuits
- perfect for maintenance of car electricity
- contents:
 - 72 testing leads (=36 male and 36 female terminals)
 - 2 pcs 5KOhm potentiometers (variable resister)
 - 2 LED stroboscopes
 - 2 SRS connectors
 - 2 alligator clips
 - 2 standard probes
 - 2 acicular probes
 - 2 connectors "1 female to 2 male"
 - 4 connectors "1 female to 1 male"



PRO +

Item #	Description
2186	92-piece Power Probe Test Lead Set
2186-1	Potentiometer for BGS 2186

25-piece Carburetor Tester, 0-14 PSI

- for synchronal testing of 2-4 carburetors
- for cars and motor bikes
- 4 manometers, Ø 92.5 mm
- 4 hoses 8 x 5 x 750 mm
- 4 replacements gaskets
- 4 connectors 53 mm (M6x0.75)
- 4 connectors 60 mm (M6x1.00)
- 4 extensions 3.9 x 52 mm
- 4 extensions 3.9 x 122 mm



Item #
62670

PRO +

Voltage Tester / Multimeter / Test Tools / Test Equipment

Compression Tester, M14 + M18

- suitable for motorcycle and cars with 14 mm or 18 mm spark plug
- 300 mm flexible hose
- large (ø 70 mm) easy to read scale
- scale: 0 - 21 bar / 21,5 kg/cm² / 300 P.S.I.
- blow off valve
- to test engine valve and piston rings
- ! Shut down power of ignition coil before working with this tool !



Item #	Description
8005	Compression Tester, M14 + M18
8005-10	M10 Adapter for Compression Tester BGS 8005, 8235, 8236
8005-12	M12 Adaptor for Compression Tester BGS 8005, 8235

Compression Tester, M10 + M14

- suitable for motorcycle and cars with 10 mm or 14 mm spark plug
- 300 mm flexible hose
- large (ø 70 mm) easy to read scale
- accuracy: +/- 3%
- scale: 0 - 21 bar / 21,5 kg/cm² / 300 P.S.I.
- blow off valve
- to probe engine valve and piston rings
- ! Shut down power of ignition coil before working with this tool !



Compression Tester, M12 + M14

- suitable for motorcycle and cars with 12 mm or 14 mm spark plug
- 300 mm flexible hose
- large (ø 70 mm) easy to read scale
- accuracy: +/- 3%
- scale: 0 - 21 bar / 21,5 kg/cm² / 300 P.S.I.
- blow off valve
- to probe engine valve and piston rings
- ! Shut down power of ignition coil before working with this tool !



Diesel Engine Compression Testing Kit

- included various adaptors (for glowplugs and dummy injectors) make this kit useful for many car types
- 1 manometer (0-70 bar) (tolerance +-5%)
- incl. 90° elbow
- suitable for nearly all brands, such as:
BMW, Mercedes, Ford, VW, Toyota, Renault, Volvo
Mazda, Citroen, Opel, Nissan, Peugeot, Vauxhall
- incl. instruction manual

PRO +

Item #	Description
8008	Diesel Engine Compression Testing Kit
8008-1	Pressure Meter for BGS 8008
8008-2	Adapter BOSCH for BGS 8008, M10 x 1.0
8008-M10X1.0	Adaptor M10x1, length 119 mm for BGS 8008
8008-M10K	Adaptor M10x1, short for BGS 8008



Digital Compression Tester, M10-12-14-18

- high accuracy analysis by microprocessor
- connection hose with double thread M14 and M18
- with two adaptors M12 and M10
- display: digital 0.2 to 20 bar in steps of 0.05 bar
- with quick connect
- tolerance +/-1%
- auto off function
- battery life: 3000 measurements
- temperature range: -10 ° C to + 45 ° C

Item #
8021

PRO +



Petrol & Diesel Engine Compression Test Kit

- compression pressure testing up to 50 bar (725PSI)
- quick couplings in straight and angled versions
- includes:
 - glow plug adaptors for the following manufacturers:
Alfa, BMW, Chrysler, Daewoo, Fiat, Ford, Hyundai, Isuzu, Land Rover, Mazda, Mercedes, Mitsubishi, Nissan, Opel, PSA, Renault, Saab, Suzuki, Toyota, VAG, Vauxhall and Volvo
 - injector adaptors for M20, M22, M24 and Ford Stanadyne injectors
 - spark plug adaptors M10, M12, M14 and M18
- suitable for most cars, trucks, buses, agricultural and marine engines

Item #
8400

PRO +



Petrol & Diesel Engine Compression and Leakage Test Kit

- suitable for most petrol and modern HDi, TDCi, pump injector and older diesel engines
- compression pressure testing up to 50 bar (725PSI) possible
- quick couplings in straight and angled versions, for
 - glow plugs on Alfa, BMW, Chrysler, Daewoo, Fiat, Ford, Hyundai, Isuzu, Land Rover, Mazda, Mercedes, Mitsubishi, Nissan, Opel, PSA, Renault, Saab, Suzuki, Toyota, VAG, Vauxhall and Volvo
- injector adapters M20, M22, M24 and Stanadyne injectors for Ford
- spark plug adapters M10, M12, M14 and M18
- suitable for most cars, trucks, buses, agricultural and marine engines
- additional pressure gauge for pressure drop test
- all gauges with rubber protection

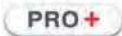


Item #	
8401	



7-piece Pressure Loss Testing Kit

- for checking pressure tightness of single cylinders on Diesel and gasoline engines
 - includes dial indicator
 - adaptor M12 x 1.25 mm for motorbikes
 - adaptor M10 x 1.00 mm for motorbikes
 - adaptor M24 x 2 mm for Diesel engines
 - adaptor M12 x 1.25 mm with 7 mm hole for VW Diesel engines
 - adaptor for multi valve engines
 - adaptor for M14 x 1.25 and M18 x 1.5 mm
 - maximum pressure 6.8 bar / 100 PSI
 - before connecting to compressed air system the adjusting valve must be closed.
- Connect the device to the compressed air system and open the adjusting valve slowly until the pointer reaches the 0-mark!



Item #	Description
62645	7-piece Pressure Loss Testing Kit
62645-1	Gauge for BGS 62645

Compressed Air Adapter M14 and M18 for Cylinder Pressure

- for filling the cylinder with compressed air
- is used when removing valve springs without removing the cylinder head
- for acoustic leak testing of valves, piston rings, head gasket, etc.
- suitable for spark plug threads M18 x 1.5 and M14 x 1.25



Item #	
8526	



Oil Pressure Test Kit

- helps to locate faults in the oil pump system
- with many adaptors:
- R 1/8" DIN 2999, 1/8" x 27 NPT, 1/4" x 18 NPT, 3/8" x 20 UNF, 1/2" x 20 UNF
- M10 x 10, M12 x 1,5, M14 x 1,5
- M16 x 1,5, M18 x 1,5, 90°
- scale measuring 0 - 10 bar (tolerance +-5%)



PRO +

Item #	Description
8007	Oil Pressure Test Kit
8007-1	Gauge with Valve for Oil Pressure Tester BGS 8007

Gear Box Compression Test Kit

- for professional diagnosis of automatic transmission mechanism
- long test hoses allow test from the driver's seat
- suitable for the following automatic transmission
 - VW, Mercedes, Honda, Hyundai almost all series
 - Audi VW 003, VW 010, VW 097, almost all ZF transmission
 - BMW Borg Warner 65, almost all ZF transmission
 - Chrysler A-Series rear-wheel drive, 32, 36, 42, 44, 46 RH + RE A-series rear, 42LE, KM series, F3A
 - AMC / Eagle A604/41, 42LE, KM series, W4A32-1 ZF transmission (Eagle Premier), MB-1, AR4, MJS (Renault), AW-4
 - Jeep A904, A999, A500, A518, A727, 30, 32RH Turbo HyDRY-Matic TH400
 - Ford A4LD, AOD, AXOD, ATX, C3, C4, C5, C6, AODE, E40D, 4R70W, 5R55E, AOT, Mazda Getr 4EAT
 - GM Turbo Hydra-Matic, AL60E, 4L80E, AT60E Aisin Warner MX-1 + MS-7, JATCO KF-100
 - Isuzu Borg-Warner BW-35, AISIN Warner BW-35 JATCO F3A/F10, Hydra-Matic TH4L30E, 4L60E
 - Jaguar ZF transmission, Borg-Warner 65, Hydra-Matic
 - Mazda JATCO, Ford A4LD, Peugeot ZF transmission
 - Mitsubishi AISIN Warner, KM series, JATCO, Torque Lite
 - Porsche 010 VW, ZF transmission
 - Saab Borg-Warner 37, ZF transmission
 - Toyota AISIN Warner A-20 + A-30, almost all models
 - Volvo AISIN Warner, Borg Warner, ZF transmission
- includes following tools:
 - high-pressure pressure gauge 0-500 PSI (0-35 bar), diameter 60 mm, tube length 350 cm
 - pressure gauge 0-100 PSI (0-7 bar) diameter 60 mm, tube length 350 cm
 - 230 mm hose adapter 1/8-27 to 1/4 quick coupling
 - adapter 1/8-27 - M10x1.0, 1/8-27 - 1/16-27 NPT
 - 1/8-27 - 5/16-24 NF, 1/8-27 - M8x1.25
 - 1/8-27 - M8x1.0, 1/8-27 - VW Audi, 1/8-27 - 1/8-28 BSPT
 - adapter internal thread 1/8-27 male thread 1/4-18 NPT
 - elbow 1/8-27 - 90° + 45°
 - adapter 1/8-27, 50 mm



Item #
8028

PRO +

Fuel Pressure Gauge, 0-8 bar

- all purpose set with precision manometer (0.03-8 bar) (tolerance +-2%)
- for mechanic and electronic fuel injection systems
- 30 adaptors make this set suitable for nearly all european, asian and american car brands, such as: Mercedes, BMW, Audi, Honda, Mazda, Renault, Peugeot etc.
- can be used for nearly all injection systems, e.g.: K-Jetronic, L/LH-Jetronic, Motronic, Motronic-Jetronic, MPFI, TBI, EFI, DIGIFANT 1/2, CIS-Digital, Weber CFI, Spi, Singlepoint, Multipoint
- easy checking of leak tightness, system and control pressure due to 3-way valve



PRO +

Item #	Description
8026	Fuel Pressure Gauge, 0-8 bar
8026-1	Dial Gauge with Connectors for BGS 8026

2-way Vacuum Tester

- 2-way: vacuum and pressure
- brake bleeding equipment
- tests of various under / over-pressure systems e.g. Turbo-charge pressure tests
- including manometer up to 4 bar (tolerance +-5%)
- several accessories



PRO +

Item #	Description
8067	2-way Vacuum Tester
8067-1	2-way Vacuum Pump from BGS 8067
8067-2	Replacement Gauge for BGS 8067

Vacuum / Pressure Pump Set

- suitable for checking pressure and vacuum systems like boost pressure, vacuum solenoid valves, tank vents, MAP sensors, etc.
- also suitable for brake bleeding
- 63.5 mm pressure / vacuum gauge
- pressure indicator range: +0 to +3 bar
- vacuum indicator range: -0 to -1 bar
- max. vacuum: -0.7 bar
- max. pressure: 3 bar

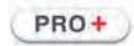


Item #
8038



CO2 Leak Detector for Cooling Systems

- contrast agent included (also available separately)
- can be combined with item # 8027 (pressure testing kit)



Item #	Description
8037	CO2 Cylinder Head Gasket Leak Tester
8037-1	Contrast Agent for Leak Detector #8037



Testing Tool for Turbo Charger Systems

- for checking the charging system components when installed
- professional and economic troubleshooting
- safety valve prevents applying excessive pressure
- suitable for turbochargers, G-chargers, compressors
- fits on most charging system hoses
- system is closed by plugs and pressurized
- also suitable for leak detection
- includes 4 pairs of adapter
- suitable for the following hose sizes:
 - 35 - 40 - 45 mm
 - 50 - 55 - 60 mm
 - 65 - 70 - 75 mm
 - 80 - 85 - 90 mm



Item #
8563



Test Tools / Test Equipment

Testing Tool for Turbo Charger Systems with Bayonet Adapter

- helps to locate leaks in the components of turbocharger systems such as pressure hoses, air-to-air intercooler, etc.
- testing must be performed when engine is switched off
- for professional and economic diagnosis
- includes:
 - pressure regulator to ensures optimum test pressure
 - test adapter with bayonet lock, Ø 31 - 38 - 46 - 51 - 56 - 61 mm
- use of additional leak detection sprays is possible for finding even the smallest leaks
- suitable for e.g. VW, Mercedes-Benz, Renault, Nissan



Item #	PRO +
8777	

Tachometer

- digital display
- photoelectric
- measuring range: 1 - 99.999 rpm
- tolerance +-0,05% +1d
- in plastic protection case

PRO + CE



Item #	Description
2188	Tachometer
2188-1	Reflector strips for BGS 2188

Mechanics Stethoscope

- suitable for detecting faults in engines, bearings and other moving parts
- with steel tip



Item #	PRO
3535	

Electronic Stethoscope

- facilitates finding the location of noise sources and reduces the diagnosis time
- enables fast and uncomplicated acoustic testing for alternators and other parts of the engine
- headset features a padded headband and ear cups for excellent wearing comfort



Item #	PRO +
3532	

Electronic Stethoscope

- the stethoscope allows fast and easy locating of noises and helps to find the cause of a motor problems



PRO+

Item #	Description
3530	Electronic Stethoscope
3530-1	Microphon Main Unit for BGS 3530

Electronic Stethoscope

- easily finds the origin of noises and reduces the diagnosis time
- 1-way amplifier allows fast and uncomplicated acoustic testing for example to test alternators and other parts of the engine
- includes 6-way amplifier and 6 color-coded probes
- allows troubleshooting while driving at various test points
- with alligator clips for easy attaching to the test points
- for mounting on e.g. engine, transmission and axle parts
- headset features a padded headband and ear cups for excellent wearing comfort



Item #
3531

PRO+ CE

Ultrasonic Leak Detector for Gas, Air, Water Tanks

- for a reliable detection of leaks in closed, pressurized and non-pressurized pressure and vacuum tanks
- consisting of ultrasonic transmitter, receiver and headphones
- with visual and audible indication
- frequency response: 40 kHz \pm 2 kHz
- operating conditions: Temperature: 0°C to 40°C
- relative humidity: max. 80%
- battery: 9V, 6F22 or equivalent
- size: 192 x 50 x 30mm
- weight: about 115g (including battery)



Item #
63524

PRO+ CE

Paint Thickness Tester

- allows measurements of paint and plastic coating thickness on metal surfaces
- ideal for the vehicle trade, improper bodywork repairs can be quickly found without much effort
- output via 3-color LEDs
 - red LED, paint thickness is greater than 1.8 mm
 - yellow LED, paint thickness is between 1.0 to 1.8 mm
 - green LED, paint thickness is less than 1.0 mm
- comparison measurements are possible on a reference base
- measuring head protected by a removable cap
- weight 50g
- dimensions: 68 x 40 mm



Item #
63535



Coating Thickness Gauge, for Iron Metals

- measures the coating thickness on iron-metal
- digital display with backlight
- one-hand operation
- measuring range: 0 - 40 mils / 0 - 1000 μm
- resolution: 0,1 mils / 0,1 μm
- accuracy:
 - +/- 4 dgts (0 - 7,8 mils)
 - +/- 7 dgts (0 - 199 μm)
- response time: 1 sec
- auto hold function
- automatic turn-off

delivered with bag, battery, calibration pad & manual

Item #
2193



Coating Thickness Gauge, for Iron and Non-Iron Metals

- measures the coating thickness on iron-metal and non-iron-metal (steel, copper, aluminum, brass, etc.)
- digital display with backlight
- one-hand operation
- measuring range: 0 - 40 mils / 0 - 1000 μm
- resolution: 0,1 mils / 0,1 μm
- accuracy:
 - +/- 4 dgts (0 - 7,8 mils)
 - +/- 10 dgts (0 - 199 μm)
- response time: 1 sec
- auto hold function
- automatic turn-off

delivered with bag, battery, calibration pad & manual

Item #
2197



Battery Filler

- for suction and filling of liquids
- particularly suitable when charging batteries

Item #
9989



Electronic Brake Fluid Tester

- determines the percentage of water in the brake fluid quickly and easily
- immediate indication of the test results via diodes:
 - green= 1,5% water
 - yellow: 1,5 - 3% water
 - red: >3 % water
- suitable for brake fluids DOT3, DOT4, DOT 5.1
- not suitable for brake fluids DOT5
- with automatic shutdown
- includes battery

Item #
67240



Professional Brake Fluid Tester

- high accuracy and reliability
- test results are displayed on 4 LEDs
- with protective cap to protect the sensors
- works on a 1.5V AAA battery (included)
- easy to use, switch on, insert sensors into the brake fluid, read result
- suitable for brake fluids DOT3, DOT4, DOT 5.1
- not suitable for brake fluid DOT5
- length: approx. 150 mm
- diameter: approx. 20 mm

Item #
67241



Brake Fluid Tester

- 4 LED display for reading the condition of the brake fluid
- warning if battery is empty
- battery: 9V, 6F22, or equivalent

Item #
63525



Boiling Type Brake Fluid Tester

- allows exact measurement of the boiling point as in a laboratory
- measurement by thermal boiling method, the tester boils brake fluid and the determined boiling temperature can be read on the display
- short measurement process: 30 seconds
- 12-volt terminals for connection to the vehicle battery
- measuring directly on the vehicle or via pipette and cup outside of the vehicle
- suitable for all brake fluids on glycolic base (DOT 3, DOT 4, DOT 5.1)
- measuring range: up to 320°C
- the device is recommended by leading vehicle manufacturers and corresponds to the Austrian and Swiss test standards



Item #
67245



Digital Thermometer with Stainless Steel Sensor Probe

- wide range of applications, suitable for e.g. air conditioning, food processing, heating and ventilating, agriculture, automobile, photography, food storage, refrigeration, laboratory, etc.
- memory of the last measured value
- low battery display
- sensor fault display
- auto power off after 15 min.
- switch between °C and °F
- temperature range: -50°C to +300°C (-58°F ~ +572°F)
- temperature steps: 0.1 °C
- accuracy: (-20°C - 80°C) +1°C
- power: 1.5V battery
- length of probe: 125 mm



Item #
8714



Digital Laser Thermometer

- for measuring temperature without touch
- range -20 up to +420° Celsius
- precision 2%
- incl. synthetic leather case, 9V battery



Item #
2190



3W UV Leak Detector LED Lamp Set

- allows detection of leaks in air condition systems, engines, gearboxes, etc. (in conjunction with fluorescent additives)
- includes UV flashlight, 2 rechargeable batteries, charger, protective glasses with special UV filter
- LED type: 3 Watt UV high power
- housing: aluminum anodized
- batteries: 2x 18650 (2200 mAh)
- AC battery charger: 1x Battery 18650



PRO +

Item #	Description
8523	3W UV Leak Detector LED Lamp Set
8523-1	UV Protective Goggles from BGS 8523

Air Condition Leakage Tester

- for easier leak detection on cars, trucks, and other air conditioners
- suitable for refrigerants: R134a, R12, R11, R500, R503, R22, R123, R124, R502, R404a, R125, AZ 50, HP62, MP39
- visual and audible signal upon leak detection
- adjustable sensitivity
- working mode: continuous and no limit
- short reaction time
- size: 22.9 x 6.5 x 6.5 cm
- weight: 560 grams
- power supply: 3V DV (2x 1,5V)
- probe length: 35.5 cm



Item #
8557

PRO + CE

Air Condition Pressure Gauge

- ideal replacement item for defective gauges on service devices
- can also be used for diagnosis without service devices
- includes high- and low pressure hose and connection hose for service devices
- gauges are protected in an aluminum housing
- shut-off valves for high and low pressure
- with hanging hook
- hose length: 150 cm



Item #
8425

PRO +

Gas Detector

- detects methane, isobutane and propane gas
- quick to pinpoint gas leaks
- automatically calibrate when power is on
- auto power off to save battery life
- 5-level LED leak alarm
- over 440mm long flexible probe
- built in earphone jack
- mute function
- probe: Semiconductor
- response time: under 10 seconds
- warm up: max. 60 seconds
- operating temperature: -5°C to 45°C
- measuring range from:
 - methane 120 - 1920 ppm
 - propane 40 - 640 ppm
- also suitable for car LPG gas



Item #
2198



Video Borescope with LCD Monitor

- 5.9 mm super thin camera lens
- 3,5" large LCD color display
- 100 cm flexible gooseneck
- camera head with 3 LED
- display resolution: 320 x 240 Pixel
- camera resolution: 640 x 480 Pixel
- frame rate: Real-time display (30 fbs)
- colour sensor: CMOS
- focusing: automatic
- angle of vision: 54°
- image can be rotated
- IP67 water proof
- incl. 4x 1.5V AA batteries
- nylon storage bag
- optional accessory kit with hook, side view mirror and magnet available under BGS 63246



Item #
63245



Side View Mirror, Hook, Magnet for BGS 63245

- hook and magnet for fishing objects
- mirror optics enables a 90° lateral vision
- 6.5 mm outside diameter
- in plastic box with polyurethane insert



Item #
63246



USB Borescope with LED Lighting

- for inspecting difficult to access locations
- camera head with lighting and adjustable brightness
- snapshot function, image is frozen on PC monitor
- compatible with Windows PC with operating systems XP, Windows 7 and 8
- camera: 640 x 480 pixel
- picture rate: 30 pic./sec.
- lens: F = 2,8
- white balance / insolation: automatically
- visual field: 54°
- focus: > 60 mm
- camera head: Ø 14 mm (without magnet)
- connection cable: 2 meter
- swan neck: 660 mm
- swan neck bending radius: min. 6 cm
- over all length: 850 mm
- handle: 220 mm (rubber coated)
- power supply: 5V over usb
- incl. CD with driver / software



Item #
63220

Digital Stroboscopic Gun for Gasoline Engines

- angle adjustment allows for precise electronic flash of the markers
- especially suitable for engines that have no angle mark on the pulley
- further measurements are possible over the easy-to-read 7-segment display:
 - Dwell at 2, 3, 4, 5, 6 and 8-cylinder engines
 - Voltage and Power Loss Test
 - Motor speed
- specifications:
 - firing angle: 0 to 60 °
 - speed: 200-9990 U /
 - dwell: 0-99,9%



Item #
40106



Digital Stroboscopic Gun for Gasoline and Diesel Engines

- angle adjustment allows precise electronic flash of the markers
- especially suitable for engines that have no angle mark on the pulley
- further measurements are possible over the easy-to-read 7-segment display:
 - dwell at 2, 3, 4, 5, 6 and 8-cylinder engines
 - voltage and Power Drop Test
 - engine speed
- **also used for testing at the start of diesel injection**
- signal is picked up by a piezoelectric transducer to be mounted on the diesel line.
- specifications:
 - firing angle: 0 to 60 °
 - speed: 200-9990 U /
 - dwell: 0-99,9%
 - voltage: 0 to 30 V



Item #
40107



Electronic Brake Resetting and Diagnostic Device

- range of application
- EPB / SBC trouble code reading and clearing
- SBC / EPB system activation and deactivation
- inspection of brake systems
- position of rear brake piston must be set before and after changing brake discs & pads
- suitable for:
 - Audi A8 (2004-2012),
 - VW Passat (2005-2012),
 - Mercedes E211/E219 (until 2006)
 - Mercedes S221 (until 2007)
- display: backlight, 128 x 64 pixel display
- operating temperature: 0-60° C
- 9 V cell battery
- dimensions: 209x107x37 mm
- user's manual



Item #
8385



12V Glow Plug Analyser

- reduces the cost for glow plug testing, removing of the glow plugs for testing is not necessary
- test results are shown on LED display
- suitable for testing of 12V glow plugs
- easy to use



Item #
2178



Precision Straight Edge, 600 mm

- suitable for engines with up to 6-cylinders
- for using together with a feeler gauge
- material: S50C
- tolerance: - 0.05mm
- dimensions: 600 x 60 x 36 mm

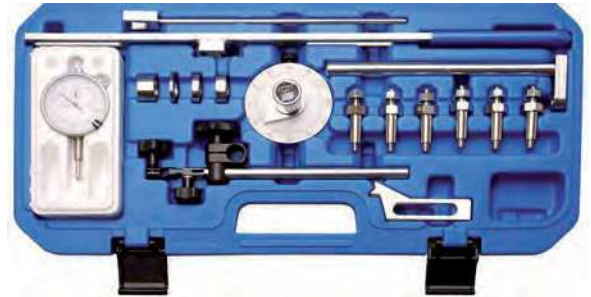


Item #
8397



Testing Tool for Dual-Mass Flywheel

- suitable for testing of freeplay angle and the clearance on dual mass flywheel (DMF)
- a checking of the flywheel is recommend because a worn or defective DMF can damage the new clutch
- test can be performed directly on the vehicles if the clutch has been removed
- includes:
 - 2 different claws for locking the flywheel
 - angular disc with holder
 - dial indicator with holder
 - assembly / measuring bolt
 - twist lever



Item #
8681



Axle Tolerance Testing Tool

- for locating of defectives on axles, such as defective ball joints, wheel bearings, etc.
- suitable for fault diagnosis with loaded axle (as in normal operation)
- testing is done by visual, acoustical and tactile sense verification
- especially suitable when car is mounted on 4-post lift but also usable on the workshop floor
- 1/2" drive for use with sliding bar
- overall length: 355 mm
- dimensions of the plastic coating: Ø 60 x length 265 mm



Item #
8633



Knee Protector 1200 x 540 x 30 mm

- soft and stable material facilitates your job and protects your knees
- oversized, also suitable as upper body pad



Item #
4804



Knee Protector Mat

- dimensions: 480 x 320 x 36 mm
- acid-resistant EVA foam



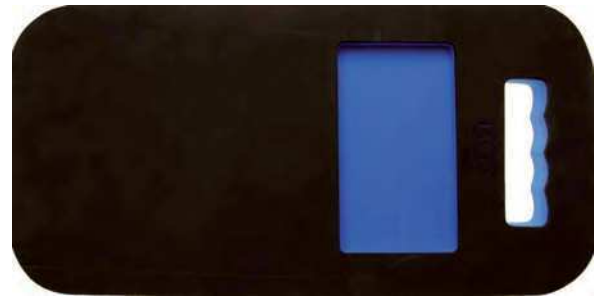
Item #
4800



Knee Protector

- dimensions: 450 x 210 x 30 mm
- with storage compartment, prevents rolling away of tools and parts
- acid-resistant EVA foam

Item #
4801



Wheeled Sliding Kneeboard

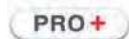
- for fatigue-free working
- 5 castors for high stability
- padded knee trough
- with storage and carry handle
- max. capacity: 100 kg

Item #
8807



Mechanic's Creeper, 103x50x10 cm, with working light

- made from resistant PE material
- max. capacity: 150 kg
- 6 castors Ø 75 mm
- 103 cm length x 50 cm width
- LED working lamp for under car lighting included
- comfortable head rest



Item #	Description
2996	Mechanic's Creeper, 103x50x10 cm, with working light
2996-1	Gooseneck Lamp with 4 LED for BGS 2996



Workshop Creeper, 100x51 cm

- heavy duty finish
- ergonomically shaped head rest
- 4 rolling wheels

PRO

Item #	Description
2994	Workshop Creeper, 100x51 cm
2989	Spare Wheel for Item Nr. 2994 + 2996



Workshop Creeper, 100x42x10 cm

- square head metal frame
- blue lacquered finish
- size: 100x42x10 cm
- padded cover
- 6 swivel action casters with ball bearing rubber wheels for easy movement
- max. capacity: 90 kg

Item #
2992

PRO



Foldable Mechanics Creeper / Seat

- can be used as a seat or a creeper
- 6 wheels
- facilitates maintenance and service works
- max load: (creeper) 150 Kg
(seat) 130 Kg
- dimensions: 1060 x 450 x 150 mm
- steel frame, coated

Item #
2850

PRO +



Mechanics Creeper / Seat

- with double ball bearing rolling wheels
- persistent synthetic leather padded cover
- converts easily from creeper to seat and back, adjustable
- size: 120 x 42 cm
- laying height: 120 mm



PRO

Item #	Description
2995	Mechanics Creeper / Seat
2997	Spare Wheel for Item Nr. 2995

Mechanic's Creeper, 5 Castors

- padded seat
- large storage compartment in the base
- height: 450 - 650 mm
- seat: Ø 360 mm
- shelf plate: Ø 440 mm
- max. capacity: 90 kg
- castor size: 75 mm



Item #
8388

PRO +

Roller Seat

- tool storage tray underneath the seat
- plastic
- black
- with 4 rolling wheels



PRO +

Item #	Description
1919	Roller Seat
1916	Spare Wheel for Item Nr. 1919

3-piece Special Socket Set for BMW Rim Locks

12.5 1/2

- sizes:
- 17T x 14,5 mm
- 10T x 16,0 mm
- 21T x 16,5 mm

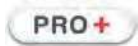
Item #
5285



10-piece Rim Lock Dismantling Tool Set

- allows professional removing of rim locks
- "open" almost all rim locks without damaging the rim
- conical dismantling sleeves for high power transmission
- the kit includes:
- dismantling sleeves, length 60 mm with inner diameter: 18 - 19 - 20 - 21 - 22 - 23 - 24 - 25 mm
- 2 dismantling mandrels
- made of S45C and SCM440 material

Item #
8656



12-piece Markers, White

- for marking tires, metals, etc.
- water resistant

Item #
8822



12-piece Markers, yellow

- for marking tires, metals, etc.
- water resistant

Item #
8823



Tire Service

Tire Bead Retainer

- facilitates the installation of tires
- made of durable plastic
- protects aluminum rims



Item #
8658



Tire Bead Retainer

- facilitates wheel mounting on rim
- dimensions: 290 x 150 x 50 mm
- material: 30% fiberglass



Item #
8655



Tire Repair Inserts, 50-pc., 102 mm length

- for using with stitch awl



8900

8901



Item #	Description
8900	Tire Radial Inserts, 50-pc., 102 mm length
8901	Mounting Paste for Tire Radial Inserts BGS 8900

Car Tire Booster

- tire booster helps filling tires with loose beads as a result of e.g. prolonged storage
- max. pressure: 11 bar, limited by safety valve
- tank capacity: 20 l
- weight: ca. 13 kg
- dimensions (without filling cone):
Ø 260 mm x width 420 mm x height 300 mm



Item #
8365



Loosening Tool for Wheel Nut Covers

- Wheel nut caps can be removed without damaging the rims
- especially suitable for aluminum rims
- gripping claws made of spring steel
- T-handle for easy working



Item #
8257



Wheel Balancing Weight Pliers, 240 mm

- chrome plated
- insulated handles



Item #
1539



50-piece Wheel Balancing Weights, 12 x 5 g

- 12 weights of 5g each
- material: steel with anti-corrosion coating
- self-adhesive



Item #
8426



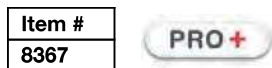
Digital Tire Depth Gauge

- measuring range from 0,00 - 28 mm
- mm / inch display
- battery included



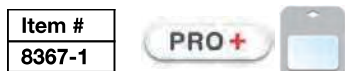
Rim Bore-Circle Calipers

- for measurements the hole circle on steel and aluminum rims
- greatly facilitates the determination of the hole circle
- suitable for 4 -, 5 -, 6 - and 8-hole rims



Rim Bore-Circle Calipers, Aluminum Type

- for measuring the hole circle on steel and aluminum rims
- greatly facilitates the determination of the hole circle
- suitable for 4 -, 5 -, 6 - and 8-hole rims



Tyre Valve Cutting Tool

- for cutting-off tire valves
- allows fast renewing of tire valves
- cutting edge width: 18 mm
- cutting edge opening: max. 30 mm
- length: 230 mm



Tire Valve Replacing Tool

- allows economic renewing of tire valve stems without dismantling the tire from rim
- includes:
 - extractor for pulling out the defective valve stems
 - mounting tool, consisting of a mounting shaft and cone



1/4" Special Socket for Steel Tire Valves

6.3 1/4

- facilitates the installation and removal of steel valves
- central stem allows a slipping free loosening and tightening with a torque wrench
- suitable for example for aluminum rims, rims of vans and mobile homes
- recommended by steel valve manufacturers to prevent pressure loss

Item #
8311



Thread Tap for Tire Valves

- suitable for car tire valves
- features:
 - turning out of valves
 - recutting of valve threads

Item #
8453



14-piece Tire Valve Repair Kit

- 1 pencil gauge with key chain
- 1 thread repair cutter
- 4 plastic caps
- 4 chrome plated hex caps
- 4 valve inserts

In assortment box

Item #
3272



2-piece Tire / Valve Tool

- for the assembly of valves
- length: 130 mm

Item #
1536



Valve Core Torque Tools

- for screwing in rubber-sealing valves
- no more overwinding, no more damaged seals
- acoustic alert when reaching the max. torque

PRO +



Item #	Description
1550	Valve Core Torque Tool 0.25 NM
1551	Valve Core Torque Tool 0.45 NM

Tire Valve Installer

- plastic, perfect for aluminium rims
- length 285 mm

Item #
1538



Tire Valve Shaft Assembly Tool

- easy assembly of new valves into the valve hole of the rim of tubeless tyres
- length: 310 mm
- suitable for all sorts of rims

Item #
1535



Tyre Pressure Sensor Tool Kit (TPMS)

6.3 1/4

- includes a 1-8 NM torque screwdriver and following 1/4" tools:
- 6-pt. deep sockets, 11 and 12 mm
- T-Star bit socket T20
- 6pt. "Pro Torque" socket, 6 mm
- adaptor for 1/4" Bits
- sliding T-Bar
- extension bar 100 mm
- 10x bits, 1/4" drive:
 - slotted 5.5 - 4.5 mm
 - T-Star T15 - T20
 - PH1 - PH2 - PH3 - PZ1 - PZ2 - PZ3

Item #
8889



Edge Protection Set, 150 mm

- prevents rim damage when mounting tires
- suitable for motorcycle and car rims
- with cord against loss



Item #
8504



Tire Pressure Gauge

- ABS
- scale reads 10-75 Psi / 0,5 - 5,5 kg/cm²

Item #
2102



Digital Tire Pressure Gauge

- testing range: 0,35 - 7,00 BAR
- display reads in: BAR, PSI, kPA, kg/cm²
- tolerance 1psi / 0,07 bar

Item #
2101



Dead Blow Bumping Hammer

- blow-back proof due to steel balls in the head of the mallet, therefore stronger impact
- especially for loosening stuck rims when changing tires

- Art. 1968: standard weight, for cars
- Art. 1876: extra heavy duty, for trucks and SUV



Item #	Description
1968	Dead Blow Bumping Hammer, Head Ø 70 mm
1876	Dead Blow Bumping Hammer, Head Ø 105 mm



Four-Way Wheel Wrench for Cars, DIN 899

- chrome plated
- with polished sockets
- hardened and forged
- arm length 355 mm
- 16 mm Ø
- 17x19x 22x13 /16"

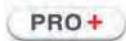


Item #	1455
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Four Way Wheel Wrenches

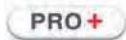
- chrome finish
- hardened
- one side with 4 pt. for sockets



Item #	Description
1457	Four-Way Wheel Wrench for Trucks, 24x27x32x3/4" 4pt. Head
1459	Four-Way Wheel Wrench for Cars, 17x19x21x1/2" 4pt. Head

Four-Way Wheel Wrenches

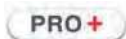
- higher torque through adjustable joint



Item #	Description
1458	Four-Way Wheel Wrench for trucks, foldable, 24x27x32x3/4" square
1456	Four-Way Wheel Wrench for cars, foldable, 17x19x21x1/2" square

Plastic Scrapers

- for the removal of glued wheel balancing weights on aluminum wheel rims and for removing glued protective strips
- blade can be sharpened



Item #	Description
365	Plastic Scraper, 22 mm
367	Plastic Scraper, 19 mm

4-piece Plastic Scraper Set, 19-22-25-38 mm

- ideal for the removal of glued weights on aluminium rims (motorcars and motorbikes)
- suitable for removing glued protective strips on a car's body
- blade can be sharpened
- material: POM (Polyoxymethylen)



Scraper, Stainless Steel, solid Rubber Grip Handle

- blade width: 30 mm
- blade length: 105 mm



4-piece Allround Scraper Set

- solid, ergonomically shaped rubber grip handle with hanging hole and metal cap for use with hammer
- 2x scrapers, 2.4 mm thick, with slightly flattened blade, e.g. for removing rust
 - blade length 94 mm x wide 31 mm
 - blade length 43 mm x wide 20 mm
- 2x scrapers, 1.1 mm thick, with a sharp blade, e.g. for removing seals
 - blade length 94 mm x wide 31 mm
 - blade length 43 mm x wide 20 mm



Gasket Scraper, 280 mm

- for cleaning cylinder head / valve cover and carburetor cover gaskets
- blade size: 23mm wide



7-piece Windscreen Removal Set

- for bonded/sticked windscreens
- panel-removal tool with handle 275 mm
- piercing awl 350 mm
- 2 handles for cutting wire
- 1.80 m cutting wire
- double hook handle 240 mm
- pull scraper with handle and pull rope

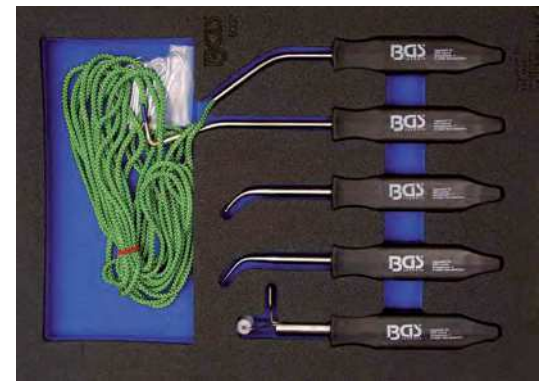


Item #
8004



5-piece Windscreen Assembly Set

- for not bonded / sticked windscreens
- includes the following tools:
 - role handle for easy redirect of the rope
 - ball handle 210 mm, angled for non-destructive lifting the sealing rubber
 - hook handle 210 mm, 45° angled and hook handle 270 mm, 90° angled, facilitated the installation of the sealing rubber
 - guide handle 220 mm, for tracking the installation rope
 - installation rope 6.0 m



Item #
8002



4-piece Windscreen Removal Set

- 2 handles
- 22 m triangle windscreen cutting wire, stainless
- 1 int. hex. key for adjusting the wire



Item #
8022



2 Handles for Windscreen Cutting Wire (from Item # 8004)



Item #
8003



Window Cutting Wire

- for cutting out glued windows
- braided from three stainless steel wires
- length: 25 m
- thickness: 0.9 mm
- suitable as replacement wire for e.g. BGS 8004

Item #
8583



Square Window Cutting Wire, 50 m

- stainless
- use along with item # 8003 (handles) + 8022

Item #
8006



4-piece Dashboard Protector

- to protect the dashboard when e.g. removing the windshield
- includes:
 - protection panel, slightly rounded lip, L205 x B265 mm
 - protection panel, straight, L205 x B265 mm
 - protection panel, slightly rounded lip, L305 x B455 mm
 - protection panel, straight, L305 x B455 mm
- with handle

Item #
7685



Molding Installer Tool

- for easy installation of moulding / rubber strips on car windows
- moulding / rubber strips are pulled through the pane by nylon roller, allows tight strip installation
- acrylic made holder

Item #
8860



Bonded Windscreen Removal Tool for Removing bonded/sticked Car Windows

- aluminium handle
- hardened blade



Item #	Description
7999	Bonded Windscreen Removal Tool for Removing bonded/sticked Car Windows
8001	Spare Blade for Item # 7999



Wire-Through Testing Probe, T-Handle

- stainless steel tube (length approx. 100 mm) for pushing through the cutting wire
- aluminium handle



Item #
67200

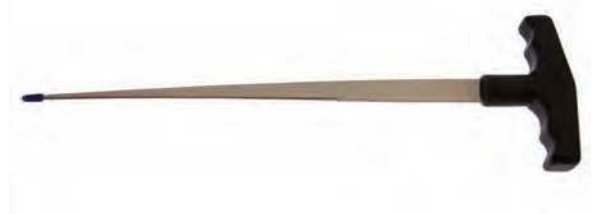


Parting Awl, 320 mm

- adapts to curved surfaces, making it easier to insert wires in vehicles with deep cockpits
- wire insertion is made easier by the fork opening
- made of stainless steel
- slotted head
- T-handle for easy operation



Item #
67202



Car Windshield Removal Tool

- suitable for all bounded car windshields
- long angled shaft reduces the risk of damaging the car interior
- ergonomically shaped nylon handle
- wire is clamped by screw



Item #
67201



Professional Windshield Removing Tool

- for professional removing of glued car windshields
- wire pull system with deflection pulley
- 150 mm suction discs with hand pump provide a firm grip on the windshield
- cutting wire reel with 3/8" drive
- to be used with e.g. Window Cutting Wire (Art. 8583)



Item #
69505

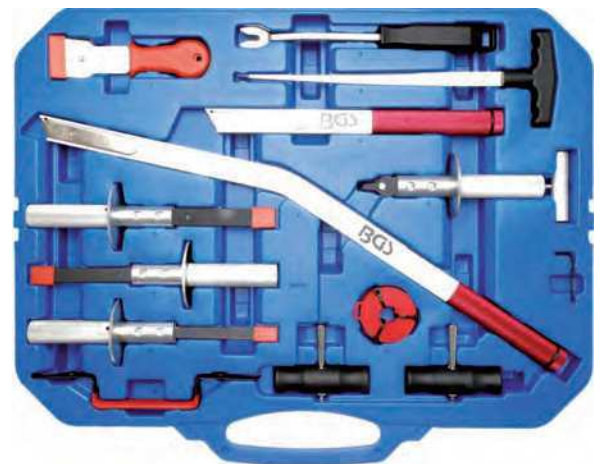


14-piece Windshield Removal Tool Kit

Kit has all tools needed to cut the vinyl adhesive and urethane around windshield.

Contents:

- 600 mm weather strip cutting knife
- 300 mm weather strip cutting knife
- 3-piece replaceable blade pinchweld scraper (3/4" - 5/8" - 1/2")
- extra wide pinchweld scraper
- 72 feet Triangle wire
- 2-piece Wire gripping handles
- Windshield removal tool
- Hex wrench
- Wire feeder tool
- Trim pad remover
- Windshield moulding release tool



Item #
69500



Windscreen Removal / Assembly

Windshield Installation Frame with Swivable Suckers

- especially suitable for disassembly / assembly of larger windshields
- 4 suction cups with hand-operated vacuum pump
- movable suction cups for adaptation of the windshield bulge
- frame dimensions: 1310 x 280 mm
- suction cup diameter: 150 mm
- max. weight of windshield: 80 Kg



Item #
8817



Hose Clamp Pliers Set in Tool Tray

- dimensions: (W x D x H) 570 x 410 x 30 mm
- includes the following tools:
 - BGS 8412 Hose Clamp Pliers 0 - 38 mm
 - gripper opening up to 38 mm
 - ratchet locking function
 - opens by spring mechanism
 - BGS 471 Bent Hose Clip Pliers for CLIC / -R
 - 190 mm long
 - swivel jaws
 - BGS 473 Ratcheting Hose Clip Pliers
 - for spring band clips
 - interchangeable jaws (2 pairs)
 - length: 200 mm
 - BGS 161 CV-Joint Boot Pliers
 - universal use, works on steering gear gaiters, fuel hoses
 - for working on Oetiker System hose clamps
 - length 235 mm
 - BGS 8600 Hose Clamp Pliers
 - specifically made for space-saving hose clips
 - ratchet mechanism for holding hose clips open
 - suitable for most vehicles
 - especially suitable for new type hose clips on VAG fuel lines
 - BGS 470 Hose Clip Pliers with Bowden Cable
 - universal handtool for installation and removal of 18 - 54mm long elastic collars, even in narrow spaces (due to the bowden cable)
 - bowden cable available as spare part Art.47
 - length 630 mm
 - Hose Clamp Tension Tool
 - suitable for spring steel band clamps
 - by turning the knurled nut, the tool opens the hose clamp and it can remain in this position until the disassembly / assembly is complete
 - max. Opening: 62 mm



Item #
504



Hose Clamp Pliers

- specifically made for space-saving hose clips
- ratchet mechanism for holding hose clips open
- suitable for most vehicles such as Alfa Romeo, Citroen, Fiat, Ford, Hyundai, Lancia, Mercedes, Opel, Peugeot, Porsche, Renault, Seat, Skoda, Toyota, Volvo, etc.
- especially suitable for new type hose clips on VAG fuel lines

Item #
8600



Hose Clip Pliers

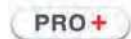
- for solving hose clamps
- also suited for solving hoses
- 2-step adjustable
- serrated gripping jaws for better grip
- non-slip handle

Item #
8409



Hose Clamp Pliers

- dip-coated handle
- ratchet locking function
- opens by spring mechanism



Item #	Description
8412	Hose Clamp Pliers 0 - 38 mm
8414	Hose Clamp Pliers 22 - 55 mm



CLIC-L Hose Clamp Pliers

- allows easy and fast unlocking and locking of clipped, reusable hose clamps
- length: 150 mm

Item #
8470



Hose Clips / Hose Clip Pliers

CLIC-L Hose Clamp Pliers

- disassembly and assembly of Clic-L hose clamps
- suitable for VW-Audi, Citroen, Mercedes Opel (Vauxhall), Peugeot, etc.
- hardened jaws
- chrome plated handle
- length 175 mm



Item #
8347



CLIC Type Collar Pliers with Swivel Head

- heads can rotate 360°, for lateral pre-tensioning of hose clamps
- length: 205 mm



Item #
499



Bent Hose Clip Pliers for CLIC & CLIC-R Clips

- 190 mm long
- turnable jaws



Item #
471



CV-Joint Boot Pliers

- universal use: works on steering gear gaiters, fuel hoses on VAG, Opel, BMW, Mercedes-Benz, Honda, Nissan, Mazda etc.
- for working on Oetiker System hose clamps
- nickel plated
- length 235 mm



Item #
161



Pliers for Ear-Type Clamps

- allows a professional squashing of ear-type hose clamps
- length: 240 mm
- dip coated handles



Item #
8359



CLIC-R Hose Clip Pliers with Bowden Cable

- universal handtool for even in narrow spaces (due to the bowden cable)
- installation and removal of CLIC-R hose clamps
- 630 mm bowden cable length



Item #
8752



Hose Clamp Pliers for VAG 2.0 TDI

- suitable for new style hose clamps, as built into VAG 2.0 TDI engine
- also suitable for tight spaces because of bowden cable operation
- hose clamp has a locking function and release button



Item #
66120



Hose Clip Pliers with Bowden Cable

- universal handtool for installation and removal of 18-54 mm long elastic collars, even in narrow spaces (due to the bowden cable)
- black finish with red plastic handles
- length 630 mm



Item #	Description
470	Hose Clip Pliers with Bowden Cable
47	Spare bowden Cable for Item Nr. 470

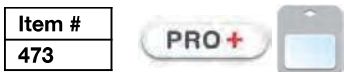
Ratcheting Bent Hose Clip Pliers

- length 220 mm
- nickel plated handles



Ratcheting Hose Clip Pliers, 200 mm long

- for spring band clips
- interchangeable jaws (2 pairs)



Hose Clip Pliers, 245 mm

- for compressing clips (oetiker system), for example on:
- fuel lines, coolant lines
 - axle boots
 - max. opening: 31 mm



Hose Clamp Tool, 0 - 40 mm

- also usable on new style VAG clips

Item #
8804



Hose Clamp Tool, spreading 0 - 40 mm

- for compressing spring steel hose clamps
- particularly useful in confined spaces
- knurled wheel for pre-tensioning
- 3/8" drive for ratchets, extension bars, etc.
- jaw capacity: 0 to 40 mm
- carbon steel, chrome finish

Item #
8805



Adjustable Hose Remover, Ø 24-53 mm

- perfect for removing cooling hoses
- small teeth inside jaws hold even oily hoses firmly
- with cable for more pulling power

Item #
492



Adjustable Hose Remover, Ø 45-120 mm

- perfect for removing cooling hoses
- small teeth inside jaws hold even oily hoses firmly
- with cable for more pulling power

Item #
487



Axle Boot Kit Clamp Pliers for VAG, Mercedes, Toyota

- suitable for progressively adjustable clamps (without lug holding down device) installed on axle boots on VAG, Mercedes und Toyota
- special claws for easy application
- automatic opening

Item #
479



Spring Clamp Pliers for Fuel Lines

- suitable for Audi, Seat, Skoda and Volkswagen
- especially suitable for spring clamps on fuel lines
- facilitates the dismantling and assembly of small spring clamps
- hardened, warp-free claw
- with spring

Item #
66102



Pliers for Self-Locking Metal Bands

- for tightening of self-locking metal bands installed on e.g. axle boots
- suitable for metal bands up to max. 10 x 0.4 mm

Item #
439



Axle Boots Clamping Pliers For Torque Wrench Operation

10 $\frac{3}{8}$ "

- forged Steel
- suitable for stainless steel hose clamps
- simply adjust the required torque using a torque wrench on the $\frac{3}{8}$ " square

Item #
163



Hose Stripping Pliers, 200 mm

- suitable for tube diameter 4 to 13 mm
- length 200 mm
- PVC dipped insulated handles

Item #
486



3-piece Hose Clamp Pliers Set

- for clamping rubber hoses, e.g. brake, fuel and coolant hoses
- approx. 30° angled
- suitable for tube Ø10, Ø15 and Ø24 mm
- fiberglass composite material

Item #
8764



Hose Clip Pliers

- for clamping coolant, brake fluid and fuel lines
- adjustable



Item #	Description
1715	Hose Clip Pliers, 155 mm
1716	Hose Clip Pliers, 185 mm
1717	Hose Clip Pliers, 255 mm



3-piece Hose Clip Pliers Set, 155-255 mm

- for coolant, brake fluid and fuel lines
- sizes: 155, 185, 255 mm
- adjustable



3-piece Hose Clamping Pliers Set

- all metal body
- flexible jaws
- sizes:
 - max. opening 18 mm, 205 mm long
 - max. opening 20 mm, 245 mm long
 - max. opening 32 mm, 305 mm long



Expert Hose Clamps

- for clamping fuel lines and other plastic hoses
- with spinning metal frame



Item #	Description
1825	Expert Hose Clamps, Diameter 10 mm
1826	Expert Hose Clamps, Diameter 15 mm
1827	Expert Hose Clamps, Diameter 25 mm
1828	Expert Hose Clamps, Diameter 45 mm



4-piece "Expert" Hose Clamps Set

- 4 sizes for various Ø
- up to 10-15-25-45 mm Ø
- stops fluids within the hose



Item #
1823



5-piece Hose Locking Set

- for locking the brake lines and hoses with Banjo fitting during repair jobs
- prevents spillage and leakage of operation liquids
- for e.g. brake hoses, air conditioning hoses, power steering hoses
- contains 2 locking pliers and 3 locking clips, suitable for 3 different hose diameters (internal diameter 5 mm - 6.3 mm - 8 mm)



Item #
1719



4-piece Steel Line Stopper Set

- for closing brake, fuel and other automotive steel pipes
- fits on e.g. 3/8", 5/16" and 1/2" banjo fittings
- distance of sealing rubber is adjustable
- prevents fluid leaks and contamination during service
- suitable for all automotive fluids



Item #
8705



8-piece Hose Locking Pliers Set

- for locking hoses during repair jobs
- prevents spillage and leakage of operation liquids
- for e.g. brake hoses, power steering hoses
- contains 8 line stoppers



Item #
1721



Flexible Hose Clamp Screwdriver

- 500 mm
- 1/4" drive
- incl. 3 sockets 4-5-7 mm

Item #	PRO +	
7824		



Flexible Hexagon Screwdrivers, especially for Clamps

- hexagon reception
- mainly for operating hose clamps
- anti slip handle

PRO +

Item #	Description
7826	Flexible Hexagon Screwdriver, Length 280 mm, 6 mm
7827	Flexible Hexagon Screwdriver, Length 280 mm, 7 mm
7828	Flexible Hexagon Screwdriver, Length 280 mm, 8 mm



Hose Clip Installation Tool

- for tighteneing hose clips
- with cutter
- operated via 13 mm socket

Item #	PRO +	
1521		



10-piece Automotive Special Sockets, 3 - 5 - 6 and 10-pt

12.5 1/2

- 10S, 6pt., for Toyota idle wheel centre screw
- 6S, 6pt., for Nissan & Renault clutch
- 8S, 6pt., for Nissan cylinder head & balance shaft
- 12S, 6pt., for Nissan cylinder head
- 8TS, 3pt., for Nissan balance shaft
- 10 mm, 5pt., for brake systems
- 12 mm, 5pt., for Nissan fuel pump
- 14 mm, 5pt., for GM & Smart Car
- 19 mm, 5pt., for Peugeot, Renault & Citroen parking brake
- 20 mm, 10pt., for Honda Civic lower control arm
- length: 38 mm



Item #	PRO +		CRO MO
2560			

2-piece Generator Socket 1/2" XZN M10x110, Spline

12.5 1/2

- length 110 mm
- for VW, Audi, Skoda, Seat, Porsche, BMW, Ford, Mercedes
- 33 tooth pulley holder

Item #	PRO +		CV
4245			



Hose Clips / Hose Clip Pliers / Special Sockets / Wrenches

2-piece Generator Socket 1/2", T50x110

12.5  1/2

- length 110 mm
- for Mercedes Benz A-class
- 33 tooth pulley holder

Item #
4240



Pipe Wrench, for Mercedes-Benz W204 Bumpers, 1/4"

6.3  1/4

- 10 mm 6-pt. Pipe Wrench
- length: 160 mm
- chrome plated

Item #
8479



Special Wrench for VW / Audi V6 and TDI Turbo Chargers

- wrench for assembly and disassembly of turbo chargers
- facilitates assembly of hard-to-reach screws
- 12 mm hex wrench with 12-pt and 3/8" drive
- depth 85 mm, length 99 mm

Item #
1004



7-piece 3/8" Slotted Special Socket Set

10  3/8

- hardened
- satin chrome plated
- slotted sockets in 10, 11, 12, 14, 17 and 19 mm
- for the assembly of top and side wired temperature sensors, thermo switches and other components
- also suitable for nuts and bolts of bent pipes
- the slot width is: 7.4 mm, 8.8 mm, 9.1mm, 10.5 mm, 13.3 mm und 14.4 mm
- on socket rail

Item #
1105



Special Socket Set 12-19 mm

12.5  1/2

- especially suitable for pipeline fittings
- no widening because foot has special profile
- sizes 12,14,16, 17,18 and 19 mm with 1/2" drive
- angled, slotted socket with double hexagon
- length: 98 mm

Item #
1300

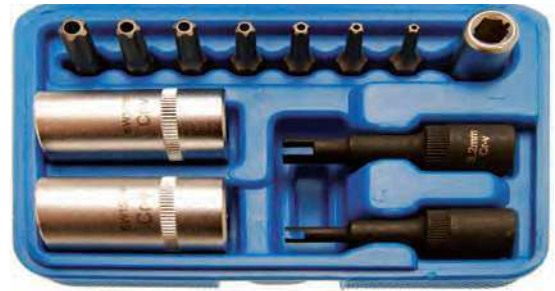


Special Sockets / Wrenches

Air Conditioner Tool Set

- contains all tools for fittings on air conditioning systems
- a useful supplement for item 8036
- special sockets for 2.2 and 3.2 mm fixed throttles
- 2 special 8-pt. sockets 12 and 15 mm
- TS-(5-Star-Profil) bits for loosening flanges etc:
TS10, TS15, TS20, TS25, TS27, TS30 und TS40

Item #
2275



VAG 4WD Drive Shaft Socket

20 $\frac{3}{4}$ "

- suitable for drive shaft nut on 6-speed gearbox 0A3 (4WD) to be used as OEM T40097
- to be used e.g. on:
Audi A4 2001+, Audi A6 2005+
- 3/4" drive
- length: 124 mm

Item #
8572



Pin Socket for Mercedes-Benz M-Class Joints

125 $\frac{1}{2}$ "

- suitable for suspension ball joints on front and rear axles on Mercedes-Benz M-Class W163 and W164
- flat type

Item #
8575



11-piece Special Socket Set for Grooved Nuts, 22-75 mm

125 $\frac{1}{2}$ "

- for gentle loosening groove nuts
- suitable for e.g. bearing nuts
- 1/2" drive, length 60 mm

all dimensions in mm

insideØ D2	outsideØ D1	tooth width ZB	tooth length ZL
15.5	22.0	3.3	5.8
18.5	26.0	3.8	5.8
21.5	30.0	4.3	5.8
25.0	33.0	4.0	4.8
27.5	37.0	4.8	4.8
33.5	44.0	5.3	4.8
38.5	50.0	5.8	3.8
44.5	56.0	5.8	3.8
50.5	63.0	6.3	3.8
55.5	69.0	6.8	2.8
61.5	75.0	6.8	2.9

Item #
8265



10-piece Special Socket Set with Inside Tooth for Grooved Nuts, 26-88 mm 12.5 □ 1/2

- for gentle loosening groove nuts
- suitable at e.g. bearing nut
- 1/2" drive, length 60 mm

all dimensions in mm			
insideØ D2	outsideØ D1	tooth width ZB	tooth length ZL
20.0	26.0	2.8	2.5
23.5	31.0	2.8	3.0
26.5	34.0	3.8	2.5
29.5	38.0	4.8	2.5
34.5	42.0	3.8	3.5
40.5	50.0	4.8	3.5
46.5	58.0	4.8	4.0
59.5	75.0	5.8	4.5
65.8	82.0	5.8	5.0
71.8	88.0	5.6	5.0



Item #
8266



5-piece Groove Nut Socket Set 12.5 □ 1/2

- suitable for Mercedes differential, gear and rear axle flange
- for Mercedes series 107 - 114 - 115 - 116 - 126 etc.
- allows gentle loosening and tightening using a torque wrench
- 1/2" drive

Item #
67220



Stud Extractor

- suitable for damaged or broken studs with a diameter 6,3 to 14 mm (1/4" to 9/16")
- adjustable via 19 mm socket

Item #
1903



Stud Bolt Extractor, 6 - 19 mm

- for loosening stuck studs
- suitable for loosening and tightening
- suitable for studs diameter from 6 to 19 mm
- knurled and hardened clamp wheel

Item #
8799



Stud Extractor, 6 - 12 mm

- allows a fast dismantling and mounting of studs
- chuck is suitable for 6 - 12 mm studs
- 36 mm 6-pt. chuck
- drive: 24 mm or 1/2"

Item #
8576



Stud Extractors

12.5 □ 1/2

- knurled



Item #	Description
1883	Stud Extractor, 6 mm
65515-7	Stud Bolt Extractor, 7 mm
1884	Stud Extractor, 8 mm
1885	Stud Extractor, 10 mm
1886	Stud Extractor, 12 mm



4-piece Stud Extractor Set

12.5 □ 1/2

- sizes: 6-8-10-12mm
- 1/2" drive

Item #
1882



11-piece Stud Extractor Set

12.5 □ 1/2

- in sizes: 5 - 6 - 7 - 8 - 9 - 10 - 10,5 - 11 - 12 - 14 - 16 mm
- all sockets with outer hexagon for optional operating with open end wrench

Item #
65515



5-piece Stud Extractor Set

- contains:
 - 1 double ring ratchet wrench 14 x 17 mm, reversible
 - 4 stud sockets for automatic clamping of studs 6, 8, 10 and 12 mm



Item #
65505



Hook Wrench with flexible Jaw

- special steel
- black finish
- for slotted/grooved nuts (DIN 1804) and for adjusting stirring head bearings
- range of jaw: 35-60 mm
- overall length 175 mm

Item #
1226



Face Pin Wrench, adjustable, 180 mm

- range: 11 mm and up
- arm length 172 mm (center joint - center pin)
- offset front end 11 mm
- pin diameter 4 mm
- riveted pins

Item #
1463



Face Pin Wrench Set, adjustable

- face pin wrench, length: 245 mm
- special steel, hardened, zinc-plated
- with 8 exchangeable pins - only one wrench needed for all standard pins
- pin diameters: 2,5 - 3 - 4 - 5 - 6 - 7 - 8 - 9 mm
- spanning width 102 mm



Item #	Description
1464	Face Pin Wrench Set, adjustable
1464-5	5 mm Pin Pair from BGS 1464



8-piece Hook Wrench Set, 35 - 120 mm

- suitable for DIN 1804 nuts and DIN 981 bearing nuts
- for diameters: 35-60, 60-90, 90-120 mm
- hook and pin lug are interchangeable



Item #
8542



Oxygen Sensor Wrench, 22 mm

- short, handy type
- suitable also for use with extension tube



Item #
8605



Oxygen Sensor Wrench, 22 mm

- length: 250 mm
- slotted, angled head with hexagon and double hexagon drive
- chrome plated



Item #
8272



Oxygen Sensor Wrench Set

- special design for installing lambda probes
- wrenches with different offset angles for difficult-to-access lambda probes
- sizes 19 and 22 mm
- material: chrome vanadium
- satin chrome finish



Item #
8701



7-piece Oxygen Sensor Socket Set

10 3/8 12.5 1/2

- 3/8" + 1/2" drive
- for assembly of oxygen sensors, radiator thermo switch and Diesel injection nozzles
- sizes:
 - 29 x 90 mm, 1/2" drive
 - 7/8" x 90 mm, 3/8" drive
 - 7/8" x 50 mm, 1/2" drive
 - 27 x 78 mm (12-pt.), 1/2" drive
 - 7/8" x 90 mm, 3/8" drive
 - 7/8" offset, 3/8" drive
 - 7/8" 12-pt.offset, 1/2" drive



PRO +

Item #	Description
1140	7-piece Oxygen Sensor Socket Set
1140-27	Oxygen Sensor Socket, 27 mm x 78 mm, 1/2" drive
1140-22	Oxygen Sensor Socket, 22 mm (7/8") x 50 mm, 1/2" drive
1148	Oxygen Sensor Socket, 22 mm (7/8") x 50 mm, 3/8" drive

14-piece Oxygen Sensor Socket Set

12.5 1/2

- fits various car models:
- 1/2" drive x 30 mm 12-pt., length 80 mm: for Bosch, General Motors, Mercedes-Benz
- 1/2" drive x 27 mm 6-pt., length 80 mm: for various models
- 1/2" drive x 28 mm 12-pt., length 80 mm: fits Volvo, Scania, HGV
- 1/2" drive x 21 mm 12-pt., length 85 mm: fits Ford, VAG
- 1/2" drive x 27 mm 12-pt., length 85 mm: fits BMW, Fiat, Ford, Peugeot
- 1/2" drive x 22 mm 12-pt., length 80 mm: for various models
- 1/2" drive x 27 mm 12-pt., length 110 mm: fits Citroen, Peugeot
- 1/2" drive x 22 mm 12-pt., length 110 mm: fits Audi, BMW, Mercedes, VW, Volvo
- 1/2" drive x 22 mm 12-pt., length 150 mm, fits BMW
- 1/2" drive x 20 mm 6-pt., length 80 mm, slotted, for various models
- 1/2" drive x 19 mm 12-pt., length 80 mm, fits VW, Audi, Seat
- 1/2" drive x 17 mm 12-pt., length 80 mm, fits BMW, Mercedes Renault
- 1/2" drive x 22 mm 12-pt., length 50 mm, offset drive, for various models
- 3/8" drive x 22 mm 6-pt., length 30 mm, offset drive, for various models



Special Sockets / Wrenches

Item #	PRO +	CV
1149		

1/2" Thermo Switch Socket

12.5 1/2

- black
- extra deep, slotted finish
- length 78 mm
- socket size 29 mm for VW + Audi
- no damage of the thermo switch



Item #	PRO +	CV
2537		

Oxygen Sensor Socket, Size 22 mm x 1/2" hex.

12.5  1/2

- deep and slotted finish
- length: 90 mm

Item #
1138



Oxygen Sensor Socket, 22 mm x 3/8" sq. Head

10  3/8

- VW, Passat, BMW, Nissan

Item #
1139



Lambda Probe Impact Loosening Wrench

- for loosening oxygen sensors
- suitable for e.g. air impact hammer BGS 3515
- 10 mm shaft diameter
- for lambda probes with 22 mm hexagon drive

Item #
8791



1/2" Oxygen Sensor Socket 22 mm

12.5  1/2

- for VAG, BMW, Mercedes, Ford, Opel, etc.
- length: 150 mm
- max. outside diameter: 30 mm
- slot width: 13 mm
- slot length: 115 mm

Item #
1173



Diesel Filter Special Socket, 27 mm

12.5  1/2

- length 44 mm
- milled, D17 mm x W20 mm
- suitable for 2.0/2.2 HDI engines on Citroen, Ford, Lancia, Land Rover, Volvo, Peugeot

Item #
8630



Special Wrench for Fuel Filters on HDI Engines

- suitable for Peugeot, Renault, etc., with HDI engines
- 3/8" drive
- for filter caps with Ø 108 mm with 46 grooves

Item #
8290



Diesel Filter Removal Tool Kit, Opel / Fiat

- prevents damage to the fuel filter housing
- clamping device for clamping the filter housing in a bench vise
- special wrench allows easy disassembly of the housing cover
- suitable for:
 - Opel engines:
 - DA13, Z13DT, Z13DTH, Z13DTJ
 - Z19DT, Z19DTL, Z19DTH
 - (not for Corsa and Meriva-D as of 2007)
 - Fiat-/Lancia-Motoren:
 - 1.3 MJTD 16V - 1.3 16V JDT - 1.9 JTD 8V
 - 2.0 8V JDT - 2.2 16V JTD - 2.3 16V JDT
 - 2.8 JTD - JTD 3.0 16V
 - (only for vehicles with fuel filter insert)

Item #
8553



Tank Sensor Wrench for VAG

- for dismantling of tank sensor unit
- special shape Ø 99 mm
- length: 390 mm

Item #
8535



Fuel Filter Wrench

10 3/8

- diameter 109 mm
- especially designed for installing and removing Citroen, Peugeot and Renault fuel filters

Item #
8416



Special Sockets / Wrenches

Fuel Tank Sender Unit Spanner, 25 mm Drive

- all-purpose spanner, adjustable: Ø 75-160 mm
- for removing and tightening the plastic ring on fuel tank sender units



Item #	PRO +	
1001		

Spanner Set for Fuel Tank Senders

- for assembly and disassembly of the plastic retaining rings of the fuel tank sender unit
- 5 different shaped pairs of clamping arms allow use on a variety of fuel tanks
- can be used for diameters of 75-160mm, 80-122mm and 110-170mm
- can be used with 2 and 3 arms
- 24 mm hexagon drive



Item #	PRO +
8355	

Fuel Tank Wrench Set for Mercedes-Benz

- for loosening and tightening the fuel sensor
- includes 3 fuel sensor removal tools for the following models
 - Mercedes 129, 140 and 230
 - Mercedes 163, 203, 209, 211, 219
 - Mercedes 202 and 208



Item #	PRO +
8749	

13-piece Universal Socket and Cap Wrench Set

- continuously adjustable from 49 to 145 mm
- suitable for and 6-pt and 8-pt nuts, groove nuts and round nuts
- 3 pins 6 mm, 8 mm und 10 mm
- side length 45 mm
- chrome plated
- can be used for all special sizes
- 3/4" and 1/2" drive

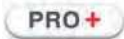


Item #
1513



Relay Pliers

- for disassembly and assembly of automotive relays
- ideal for tight plugged relays
- fits on most relays
- fibre glass / plastic handles
- self-opening, spring-loaded



Item #	Description
8312	Relay Pliers, straight
8313	Relay Pliers, 45° offset

Lock Ring Pliers, 220 mm

- chrome plated, handles insulated
- straight nose
- especially for lock / snap rings on axle and gear box shafts



Item #
530



Lock Ring Pliers, 225 mm

- chrome plated, insulated handles
- hooked nose
- especially for lock / snap rings in engine or clutch area



Item #
531



Removal Pliers for Fuel Lines

- for VW, Audi, Volvo, Citroën, Fiat, Alfa and others
- 90° offset head allows work under difficult conditions

Item #
66101



Fuel Hose Clip Loosening Pliers

- for VW-Audi, Fiat, GM, Opel, and others
- for removal and replacement of hose clips connections on in-line fuel filters
- a must-have when changing the fuel filter unit and repairing the engine

Item #
8260



Pliers for Removing Fuel Lines with Quick Couplers

- for removing fuel lines with quick couplers on e.g. filter units, and fuel tank breather
- suitable for:
 - Fiat, Alfa Romeo, Lancia 1.3, 1.9, 2.4 Diesel
 - Opel Vectra C 1.9, Signum 1.9, Astra H 1.3, Astra H 1.9 Diesel, Corsa C, Combo, Meriva 1.3 Diesel, Corsa B, Astra F, Astra G, Vectra B, Omega B Petrol
 - Chrysler Neon 1.8, Stratus 2.0 and 2.5
 - Renault passenger cars since 1997

Item #
8314



Release Pliers for Fuel Pipes and Fuel Filters on VW, Fiat, Opel etc.

- for quick and easy separating of gasoline quick locks
- suitable for quick-on fuel filters and similar connections that are separated by pressure on the outer ring
- electroplated surface
- handle dip coated

Item #
8274



3-piece Pliers Set for Loosening Fuel Line Connectors

- for Fiat, Ford, Opel, Peugeot, Renault, Citroen, VW



Item #
8012



Separating Pliers for BMW Oil Coolers

- simplifies the assembly and disassembly of oil coolers
- holding forks bolted, 15 and 22 mm
- distance adjustable (like water pump pliers)



Item #
8289



Special Exhaust Clamp Pliers, 305 mm

- for expanding of exhaust clamps when changing the exhaust pipe
- suitable for: Citroen, Peugeot and Renault etc.
- 4 locking positions for easy working
- opening width 20-60 mm



Item #
8250



Special Pliers for BMW Outside Mirrors

- suitable for outside mirror of BMW models: E12, E21, E23, E24, E28, E30, E31, E32, E34, E36, E38 and E39
- removal is very difficult without these pliers
- with spring mechanism and stop setting
- made of carbon steel
- dip-coated handles



Item #
8288



Bulb Pliers

- allows a non-destructive dismantling and assembly of light bulbs, e.g. in instrument clusters, switch-units, etc.
- specially molded plastic jaws prevent slipping

Item #
8325



Axle Boot Pliers

- for boots without hooks
- black finish
- 235mm long

Item #
468



Soldering Aid Pliers, 240 mm

- for holding cable ends during soldering
- clip springs on the pliers jaws provide a safe grip
- perfect for soldering while working on a car

Item #
9945



Glow Plug Pliers

- for removing electrical connectors on glow plugs
- double joint mechanism
- long version

Item #
8662



Spark Plug Pliers, 200 mm, Ring Tip

- ring tip with 16 mm internal diameter
- satin nickel plated
- heavy duty soft grip handles black & red

Item #
1737



Special Pliers / Spark-, Glow Plug Tools

Spark Plug Pliers

- satin nickel plated
- for operating spark plugs which are deep set into engine blocks
- heavy duty soft grip handles - black & red

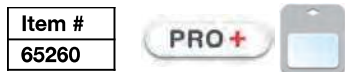


Item #	Description
1784	Spark Plug Pliers, 200 mm
1739	Spark Plug Pliers, 290 mm



2-piece Spark Plug Socket Puller Set, 225 + 350 mm

- especially for metal coated spark plug sockets on VW engines
- prevents spark plug wires from damage during assembly

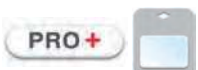


Item #	65260
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Glow Plug Socket Pliers

- for assembling and disassembling of glow plugs

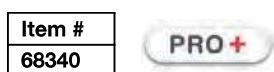


Item #	Description
66155	Glow Plug Socket Pliers, straight
66157	Glow Plug Socket Pliers, 90° bent



4-piece Glow Plug Connector and Ignition Coil Puller Set

- for damage free removal of ignition coils
- fits VW engines



Item #	68340
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PVC Coated Spark Plug Wrenches, Ball Joint, extra long

PVC coated T-type handle



Item #	Description
143	PVC coated Spark Plug Wrench - Ball Joint, 375 mm long, 16 mm
144	PVC coated Spark Plug Wrench - Ball Joint, 375 mm long, 20.8 mm



Spark Plug Wrench for Toyota Prius, 5/8" x 13/16"

- pipe wrench with side hole for installation / removal of spark plugs
- sizes: 5/8" x 13/16" (16 x 20,6 mm)
- incl. rotary bar
- satin chrome finish
- length: 300 mm

Item #
8772



Flexible Joint Spark Plug Wrench with limited Torque 20 NM, 550 mm long, 16 mm

- chrome vanadium steel
- satin chrome plated
- 12-point
- due to the torque limit spark plugs can not be damaged

Item #
146



Spark Plug Socket with Rubber Insert

- 12-pt. type, forged
- satin chrome finish



Item #	Description
2385	1/2" Spark Plug Socket with Rubber, 16 mm
2386	1/2" Spark Plug Socket with Rubber, 21 mm
2387	3/8" Spark Plug Socket with Rubber, 18 mm



Spark Plug Sockets, Rubber Inlay

- forged
- chrome plated and polished



Item #	Description
2466	Spark Plug Socket, 3/8" Drive, SW 16 mm
2462	Spark Plug Socket, 1/2" Drive, SW 16 mm
2464	Spark Plug Socket, 3/8" Drive, SW 18 mm
2461	Spark Plug Socket, 1/2" Drive, SW 20.8 mm



Spark Plug Sockets, magnetic

- forged
- chrome plated and polished
- magnetic inlay



Item #	Description
2469	Spark Plug Socket, magnetic, 3/8" Drive, SW 16 mm
2468	Spark Plug Socket, magnetic, 1/2" Drive, SW 16 mm
2463	Spark Plug Socket, magnetic, 1/2" Drive, SW 21 mm



Spark Plug Socket, satin chrome plated, Rubber Inlay

- forged
- satin chrome finish



Item #	Description
2471	Spark Plug Socket, satin chrome plated, 3/8" Drive, SW 16 mm
2472	Spark Plug Socket, satin chrome plated, 1/2" Drive, SW 16 mm
2470	Spark Plug Socket, satin chrome plated, 1/2" Drive, SW 20,8 mm



Spark Plug Sockets with Retaining Spring, 6-point

12.5 1/2

- satin chrome plated
- with retaining spring for spark plugs
- 1/2" and 20 mm hex drive
- length: 65 mm



Item #	Description
2401	Spark Plug Socket, 16 mm, with Retaining Spring
2402	Spark Plug Socket, 18 mm, with Retaining Spring
2403	Spark Plug Socket, 21 mm, with Retaining Spring



16 mm Spark Plug Socket, with holding rubber, 12-point

10  3/8"

- satin chrome finish
- length 90 mm

Item #
2448



Spark Plug Sockets with Retaining Spring, 12-point, extra long

- with retaining spring for spark plugs
- length: 250 mm



Item #	Description
2404	Spark Plug Socket, 14 mm, with Retaining Spring, 3/8", 12-pt
2405	Spark Plug Socket, 16 mm, with Retaining Spring, 3/8", 12-pt
2449	Spark Plug Socket, 18 mm, with Retaining Spring, 3/8", 12-pt



14 mm Spark Plug Socket, 12-point, 3/8", Length 90 mm

10  3/8"

- satin chrome finish
- 18.5 mm outside diameter
- magnet for holding the spark plug
- with extra big knurl for better grip

Item #
2446



14 mm Spark Plug Socket, with Magnet, 12-point, 3/8", Length 250 mm

10  3/8"

- satin chrome finish
- spark plug is held by a magnet
- with extra big knurl for better grip
- outside diameter: 18.5 mm

Item #
2447



Spark Plug Socket, 14 mm, with Retaining Spring

- with retaining spring for 14 mm spark plugs
- 3/8" and 17 mm hex drive
- 12-pt
- length: 65 mm
- outside diameter: 20 mm
- black finish



Item #
2400



6-piece 3/8" Glow Plug Socket Set 8 - 16 mm

- sizes 8 - 9 - 10 - 11 - 12 - 14 - 16 mm
- screwed universal joint
- with rubber insert to hold the glow plug sockets
- length: 158 mm
- depth of 6-pt. 13 mm



Item #
2986



6-piece Joint Socket Set for Glow Plugs 3/8"

- 3/8" drive, sizes 8-9-10-12-14-16 mm
- glow plugs are held by internal rubber ring
- with screwed universal joint, adjustable
- total length 75 mm / 80 mm (14 + 16 mm)
- perfect for jobs in hard-to-reach areas
- single sizes available under Art. 2980-2985



Item #	Description
2990	6-piece Joint Socket Set for Glow Plugs 3/8"
2980	Joint Socket for Glow Plugs, 3/8" Drive, 8 mm
2981	Joint Socket for Glow Plugs, 3/8" Drive, 9 mm
2982	Joint Socket for Glow Plugs, 3/8" Drive, 10 mm
2983	Joint Socket for Glow Plugs, 3/8" Drive, 12 mm
2984	Joint Socket for Spark Plugs, 3/8" Drive, 14 mm
2985	Joint Socket for Spark Plugs, 3/8" Drive, 16 mm

Torque Limited Glow Plug Sockets 8-10-12 mm

10 3/8"

- 3/8" drive, length 120 mm
- 8 mm torque limited to 15 Nm
- 10 mm torque limited to 18 Nm
- 12 mm torque limited to 18 Nm



Item #
7195



Spark-, Glow Plug Tools

Glow Plug Socket Set specifically for Fiat / Alfa / Lancia

- for removal of glow plugs with fixed connector cable, built into latest Fiat, Alfa and Lancia models
- slotted sockets 8 - 9 - 10 mm
- 6-pt drive

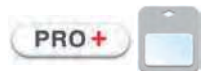


Item #
7191



Spark Plug Thread Repair Sets

- suitable for repairing spark plug threads
- easy to use
- contains special taps with 6-point-drive and 4 threaded bushes, lengths 9.5 - 11.5 - 12.7 and 19 mm

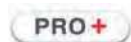


Item #	Description
167	Spark Plug Thread Repair Kit M8 x 1.0
165	Spark Plug Thread Repair Kit M10 x 1.00
166	Spark Plug Thread Repair Kit M12 x 1,25
150	Spark Plug Thread Repair Kit M14 x 1.25
167-1	Threaded Insert M14 x 1.0, 4 pcs.
165-1	Replacement Threaded Inserts M10 x1.00, 4-pcs., for BGS 165
166-1	Replacement Threaded Inserts M12 x1.25, 4-pcs., for BGS 166
150-1	Threaded Insert M14 x 1.0, 4 pcs., for BGS 150



Spark Plug Thread Repair Kit M14x1,25

- 1 tap / rethreader for M14 threads HSS-G
- 5x 11 mm tap inserts black finished
- 5x 16 mm tap inserts black finished
- 5x 19 mm tap inserts yellow Zinc plated



Item #	Description
149	Spark Plug Thread Repair Kit M14x1,25
149-11	Replacement Threaded Sleeves M14x1,25, length 11 mm for BGS 149, 5 pieces
149-16	Replacement Threaded Sleeves M14x1.25, length 16 mm for BGS 149, 5 pieces
149-19	Replacement Threaded Sleeves M14x1.25, length 19 mm for BGS 149, 5 pieces
149-1	Taps for BGS 149

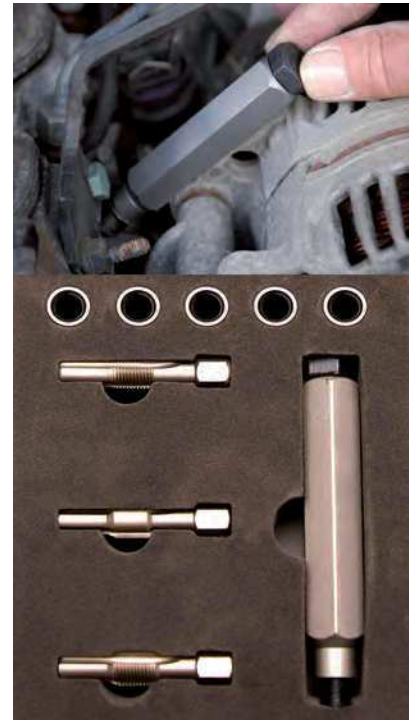


Repair Sets for Glow Plug Threads

- for repairing the glow plug mounting thread in the cylinder head
- includes:
 - reamer for reaming the original thread
 - taps for threaded sleeves
 - taps for trimming the original thread
 - assembly tools for inserting the threaded sleeves
- BGS 8647 5x threaded sleeves M8 x 1.0 (11 mm long)
- BGS 8648 5x threaded sleeves M9 x 1.0 (11 mm long)
- BGS 8649 5x threaded sleeves M10 x 1.25 (12 mm long)
- BGS 8650 5x threaded sleeves M10 x 1.0 (12 mm long)
- 5x threaded sleeves M10 x 1.0 (19 mm long)
- BGS 8651 5x threaded sleeves M12 x 1.25 (12 mm long)
- 5x threaded sleeves M12 x 1.25 (19 mm long)
- 5x threaded sleeves M12 x 1.25 (26 mm long)

PRO+

Item #	Description
8647	Repair Kit for Glow Plug Threads, M8 x 1.0
8647-1	Threaded Inserts M8 x 1.0 (11 mm long) for BGS 8647
8648-1	Threaded Inserts M9 x 1.0 (11 mm long) for BGS 8648
8648	Repair Kit for Glow Plug Threads, M9 x 1.0
8649	Repair Kit for Glow Plug Threads, M10 x 1.25
8649-1	Threaded Inserts M10 x 1.25 (12 mm long) for BGS 8649
8650	Repair Kit for Glow Plug Threads, M10 x 1.0
8650-1	Threaded Inserts M10 x 1.0 (12 mm long) for BGS 8650
8650-2	Threaded Inserts M10 x 1.0 (19 mm long) for BGS 8650
8651	Repair Kit for Glow Plug Threads, M12 x 1.25
8651-1	Threaded Inserts M12 x 1.25 (12 mm long) for BGS 8651
8651-2	Threaded Inserts M12 x 1.25 (19 mm long) for BGS 8651
8651-3	Threaded Inserts M12 x 1.25 (26 mm long) for BGS 8651



Spark-, Glow Plug Tools

Repair Kit for Glow Plug Threads, M8-M9-M10-M12

- for repairing the glow plug mounting thread in the cylinder head
- includes:
 - 5x reamer for reaming the original thread
M8 x 1.0 - M9 x 1.0 - M10 x 1.0 - M10 x 1.25 - M12 x 1.25
 - 5x taps for threaded sleeves
M8 x 1.0 - M9 x 1.0 - M10 x 1.0 - M10 x 1.25 - M12 x 1.25
 - 5x taps for trimming the original thread
M8 x 1.0 - M9 x 1.0 - M10 x 1.0 - M10 x 1.25 - M12 x 1.25
 - assembly tools for inserting the threaded sleeves
- 5x threaded sleeves M8 x 1.0 (11 mm long)
- 5x threaded sleeves M9 x 1.0 (11 mm long)
- 5x threaded sleeves M10 x 1.25 (12 mm long)
- 5x threaded sleeves M10 x 1.0 (12 mm long)
- 5x threaded sleeves M10 x 1.0 (19 mm long)
- 5x threaded sleeves M12 x 1.25 (12 mm long)
- 5x threaded sleeves M12 x 1.25 (19 mm long)
- 5x threaded sleeves M12 x 1.25 (26 mm long)

Item #
8653

PRO+



Repair Kit for Glow Plug Threads, 33 pcs.

- for repairing the glow plug threads in cylinderhead
- suitable for glow plug threads in sizes:
M8x1.0 - M10x1.0 - M10x1.25 - M12x1.25
- includes the following tools:
 - 6 Taps for trimming the original thread
or cutting the thread for the new thread sleeves
M8x1.0 - M10x1.0 - M10x1.25
M12x1.0 - M12x1.25 - M14x1.25
 - 20 thread repair coils, each 5 pieces
M8x1.0 - M10x1.0 - M10x1.25 - M12x1.25
 - 2 coil drivers
 - 3 centering pieces
 - 1 guide pin



Item #
65631

PRO +

Ignition-Firing Interval Tester for Classic / Vintage Cars

- for checking the ignition voltage

Item #
3030

PRO



Spark Plug Cleaning Brush, 140 mm long

- compact brush with dense brass fill in wooden stock

Item #
3080

PRO



Double Offset Ratchet Wrench for Glow Plugs, 8 and 12 mm

- for installing and removing glow plugs
- suitable for VW, Audi, Renault diesel engines
- for glow plugs between engine and diesel injector pump
- double-hexagon profile
- 8 mm for operation of conductor rail screws
- 12 mm for operation of glow plugs
- length: 300 mm

Item #
8264

PRO +



1/4" Twist Socket Set for Glow Plug Electrodes

6.3 1/4

- for gripping the electrodes together with Glow Plug Removal and Thread Repair Set BGS 8297
- includes 2.6 - 3.2 - 3.5 - 4.5 - 6.5 - 8.25 mm sockets



Item #	Description
5290	6-piece 1/4" Turn Off Socket Set for Glow Plug Electrode
5290-2.6	1/4" Turn Off Socket 2.6 mm, for Glow Plug Electrode from BGS 5290
5290-3.2	1/4" Turn Off Socket 3.2 mm, for Glow Plug Electrode from BGS 5290
5290-3.6	1/4" Turn Off Socket 3.5 mm, for Glow Plug Electrode from BGS 5290
5290-4.5	1/4" Turn Off Socket 4.5 mm, for Glow Plug Electrode from BGS 5290
5290-6.5	1/4" Turn Off Socket 6.5 mm, for Glow Plug Electrode from BGS 5290
5290-8.25	1/4" Turn Off Socket 8.25 mm, for Glow Plug Electrode from BGS 5290



Glow Plug Shaft Cleaning Brush

- for cleaning glow plugs manholes
- it is recommended to clean manholes before replacing the glow plugs
- length: 105 mm, Ø 9 mm
- total length: 310 mm



Item #	PRO+
8561	

Ignition and Glow Plug Thread Cleaner

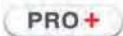
- for cleaning and recutting the threads in the cylinder head
- prevents conglutination of plugs
- makes it easier to renew plugs
- made from hardened and tempered steel
- includes following reamers:
 - M8 x 1.00 - 117 mm length
 - M10 x 1.0 - 117 mm length
 - M12 x 1.25 - 140 mm length
 - M12 x 1.25 - 268 mm length
 - M14 x 1.25 - 140 mm length
 - M14 x 1.25 - 268 mm length
 - M18 x 1.50 - 89 mm length



Item #	PRO+
8503	

Internal Spark Plug Rethreader Tool

- for cleaning and regrooving of spark plug threads in the cylinder head
- length 270 mm, also suitable for cylinder heads with deep-seated spark plugs
- 13 mm 6-pt. drive

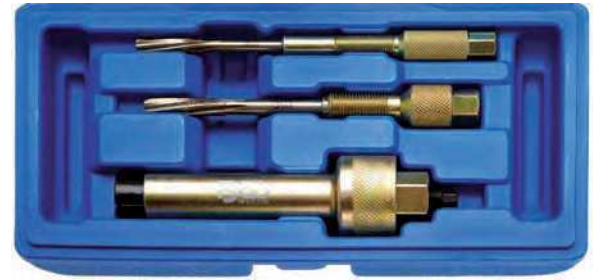


Item #	Description
8375	Internal Spark Plug Rethread Tool, M12 x 1.25
8376	Internal Spark Plug Rethread Tool, M14 x 1.25



3-piece Glow Plug Repair Tool Kit

- for removal of pollution from the glow plug channel and for extraction of stuck glow plugs
- perfect for Mercedes-Benz CDI engines
- tapered reamer M10 x 1.00 (4, 5 and 6 cylinder engines OM611, 612, 613 and Smart CDI R660)
- tapered reamer M12 x 1.25 (4 valve engines OM604, 605, 606)
- glow plug extractor for glow plug threads SW10 (OM611, 612, 613)



Item #
65630



Glow Plug Tool

- for unscrewing and disassembly of glow plugs in the cylinder head, especially for glow plugs that are stuck because of carbonization remains
- cylinder does not need to be removed any more
- fits all Mercedes 10 mm glow plugs, engine codes 611-612-613 etc., especially CDI engines

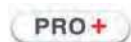


Item #
65601



Glow Plug Removal and Thread Repair Set, M8 & M10

- simplifies the assembly and disassembly and professional repair of glow plug threads
- suitable for most injectors
- assembly and disassembly of glow plugs and repair glow plug threads
- extractor for fixed glow plugs
- step drill to drill out damaged glow plugs 7 x 5.5 mm and 9 x 5.5 mm
- taps M8 x 1.0, 10 x 1.0 and 1/4"-28UNF for repairing glow plug threads
- tap holder
- E10 socket



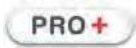
Item #	Description
8297	Glow Plug Removal and Thread Repair Set, M8 & M10
8297-1	Step Drill 5.5 x 7 mm, titanium nitride from set 8297
8297-2	Step Drill 5.5 x 9 mm, titanium nitride from set 8297
8297-3	Pull Tab m. Thread from set 8297
8297-4	Guide sleeve 40 mm long x 6 mm x 3.5 mm set of 8297

9-piece Glow Plug Removal Tool Kit M9

- allows removing of defective and broken M9 x 1.0 glow plugs
- suitable for e.g. Fiat engines
- consisting of:
 - special step drill with depth stop
 - tap M9 x 1.0
 - tap 1/4" x 20 UNC
 - removal sockets 2.6-4.5-8.25 mm
 - tool holder for tappers
 - pull-out unit with hardened spindle



Item #
8657



Air Impact Wrench Set for Glow Plugs

6.3 1/4

- allows loosening of stuck glow plugs
- can also be used on screws where a low torque is required
- 4-stage torque adjustable to approx. 20-30-40-50 NM to minimize the risk of tear-off of the glow plugs
- torque setting is possible in forward and reverse rotation
- incl. 5 deep sockets in 8, 9, 10, 11 and 12 mm, 1 extension bar and 1 universal joint
- 1/4" drive bar
- working pressure: 6.2 bar

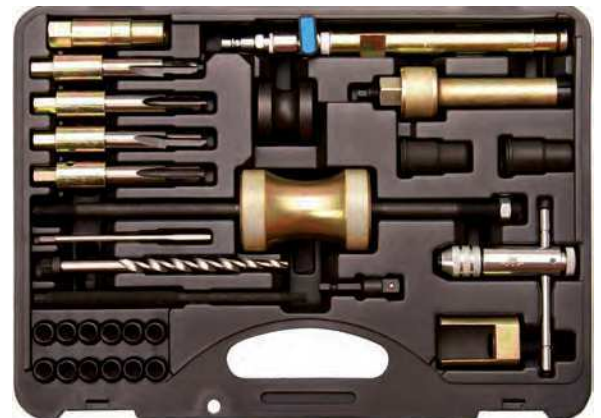


Item #
3320



Glow Plug Removal Tool, M10x1.0

- ensures the correct removal of burned-in, corroded or broken-off glow plugs
- allows repairing of the glow plug retaining thread without removing the cylinder head
- defective original thread M10 x 1 is repaired by insertion of a new threaded sleeve
- includes:
 - puller and sliding hammer for removing of stuck and broken glow plugs
 - reamers for reaming of the defective thread
 - tap M10 x 1 and M12 x 1
 - centering sleeve for reamers and taps
 - special step drills and taps for removal of broken glow plugs
 - 12 thread repair sleeves M12 x 1 to M10 x 1
 - compressed air adapter
- suitable for Mercedes CDI-engines OM 611, 612, 613, 628, 646 (not EVO), 647, 648



Item #
8699



28-piece Glow Plug Thread Repair Tool for VW / Audi

- for quick and professional drilling out damaged or torn-off glow plugs without removing the cylinder head
- allows recutting or repairing of the glow plug thread and cleaning of the electrode bore
- exact depth and drilling angle are reached using guide sleeves
- suitable for:
 - M10 x 1 glow plug thread on e.g. VW Passat, Audi V6 TDI with 2.5l / 2.7l / 3.0l engines
 - with engine codes: AFB, AKE, AKN, ASB, AYM, BAU, BCZ, BDG, BDH, BFC, BKN, BKS, BMK, BNG, BSG, BUN, BUG
- includes the following tools:
 - cover plate for intake ports
 - compressed air adapter for injector bore
 - 9.1 mm drill for M10 x 1
 - 11.1 mm drill for M12 x 1
 - tap with guide sleeve for M10 x 1 threads
 - tap with guide sleeve for M12 x 1 threads
 - 10 threaded inserts for M10 x 1 with external thread M12 x 1
 - M6 x 1.25 taps
 - extraction tool
 - 2 reamers 4.8 mm, long and short type
 - reamer 5.8 mm long type
 - 3 guide sleeves
 - Ø 17,5 mm OD - 38 mm length
 - inside Ø 9 mm and 13 mm - 63 mm length 13 mm inside Ø
 - 2.4 - 5.5 mm tapping holder 240 mm long with 1/4" drive
 - 3 extractor electrodes for 2.5 - 3.5 - 4 mm



Item #	PRO +
8722	

Glow Plug Bore Reamer Set

- 4 adaptors and 3 reamers
- cleaning is recommended before installation of new glow plugs
- suitable for glow plug threads M8 - M10 - M12
- 145 mm drive shaft, knurled for hand use
- can also be used with 14 mm hexagon socket or 1/4" square end
- material: CR-MO + S45C Steel

Item #	PRO +
8447	



3-piece Glow Plug Reamer Set M10 + 2x M12

- for professional cleaning of the glow plug manhole
- cleaning of the manhole is recommended before installation of new glow plugs

PRO +

Item #	Description
138	3-piece Glow Plug Reamer Set M10 + 2x M12
138-1	Glow Plug Reamer M12 x 59 mm
138-2	Glow Plug Reamer M12 x 94 mm
138-3	Glow Plug Reamer M10 x 107 mm



Spark-, Glow Plug Tools

Glow Plug Electrodes Removal Tool Set, M8 & M10

- for extracting the glow plug electrodes
- suitable for glow plugs threads
M8 x 1.0 - M10 x 1.0 - M10 x 1.25
- contains tap sizes
M8 x 1.0 - M10 x 1.0 - M10 x 1.25
- M3 x 0.5 tap 100 mm
- M4 x 0.7 tap 100 mm
- special drills 2.5 x 120 mm - 3.3 x 140 mm
- 180 mm pulling bolt
- material: Chrome-Molybdenum



Item #
8698



6-piece Parallel Pin Punch Set, 3-8 mm, 150 mm long

- 3 - 4 - 5 - 6 - 7 - 8 mm
- hardened, colored shaft



Item #
1651



6-piece Center Punch Set

- hardened, tips polished, shaft lacquered
- length 150 mm
- sizes: 3-4-5-6-7-8 mm



Item #
1656



6-piece Parallel Pin Punch Set, 3 - 10 mm, 200 mm

- hex. shaft, hardened
- 3 - 4 - 5 - 6 - 8 - 10 mm
- extra long: 200 mm
- in tetron wallet



Item #
1655



8-piece Splint Driver Set with Chisel and Center Punch

- hardened hexagonal shaft
- splint driver: 3-4-5-6-8 mm
- 1 flat chisel 15mm
- 1 cross-cut chisel 4mm
- 1 center punch
- length 150 mm
- in tetron wallet

Item #
1658



18-piece Pin Punch Set

- extra long and thin
- includes following 18 punches
 - 8x pin punches, 200 mm length, 1.5 - 2.5 - 3.0 - 4.0 - 5.0 - 6.0 - 8.0 - 9.5 mm
 - 2x pin punches, 150 mm length, 8.0 - 9.5 mm
 - 7x pin punches, 100 mm length, 1.5 - 2.5 - 3.0 - 4.0 - 5.0 - 5.5 - 6.0 mm
 - 1x automatic centre punch, 125 mm length
- hardened, painted shaft

Item #
1695



12-piece Pin Driver Set, including Chisel + Punch

- heavy duty type with hex shaft
- forged carbon steel
- 6 different flat chisels:
 - 14.5 mm x 145 mm to 19 mm x 250 mm
- 3 4.5 x 250, 6.5 x 180 and 8 x 250 mm
- 1 drift punch 9.7 x 200 mm
- 2 punch 150 mm and 200 mm long
- in storage bag with suspension eyelets

Item #
1657



28-piece Chisel and Punch Set

- 5 pin punches made from chrome vanadium
 - 2.4 x 110 mm, 3.2 x 120 mm, 4 x 125 mm
 - 5 x 135 mm, 6.5 x 145 mm
- 5 tapered punches made from chrome vanadium
 - 2.4 x 135 mm, 3.2 x 145 mm, 4 x 150 mm
 - 5 x 160 mm, 6.5 x 170 mm
- 3 cold chisel made from chrome vanadium
 - 9.5 x 140 mm, 12.5 x 150 mm, 16 x 165 mm
- 2 center punches made from chrome vanadium
 - 3 x 125 mm, 4.8 x 150 mm
- 1 chisel punch gauge
- 6 cold chisel made from high carbon steel
 - 12.5 x 170 mm, 5 x 180 mm, 19 x 200 mm
 - 18 x 200 mm, 22 x 250 mm, 25 x 250 mm
- 4 cold chisel made from high carbon steel
 - 3 x 150 mm, 18 x 260 mm, 9.5 x 125 mm, 9.5 x 250 mm
- 2 center punches made from high carbon steel
 - 145 mm und 375 mm
- in tetron wallet

Item #
1650



28-piece Punch Set for Brakes

- includes following diameters:
2.4 - 2.8 - 3.2 - 3.6 - 4.0 - 4.4 - 4.8 - 5.2
5.6 - 6.0 - 6.4 - 6.7 - 7.1 - 7.5 - 7.9 - 8.3
8.7 - 9.1 - 9.5 - 9.9 - 10.3 - 10.7 - 11.1
11.5 - 11.9 - 12.3 - 12.7 - 13.5 mm
- length: 123 mm
- material: carbon steel
- without handle (straight type)
- in metal holder
- with painted tip



Item #
2029



15-piece Chisel and Punch Set

- ergonomically shaped non-slip rubber coated handle
- quick change handle manufactured from chrome molybdenum steel

contents:

- 1 chisel holder
- 7 flat cold chisels
- 1 cross cut chisel
- 1 taper pin punch
- 3 centre punches
- 2 parallel pin punches



Item #
1641



Flat Chisel, 295 mm

- with wide safety insulation
- hexagon shaft, Ø 16 mm



Item #
1646



Automatic Center Punch, 15-25 kg

- heavy duty finish
- continuously adjustable 15 - 25 kg



Item #	Description
2085	Automatic Center Punch, 15-25 kg
2085-1	Replacement Tip for Automatic Center Punch BGS 2085

Valve Stem Seal Ring Pliers

- for easy removing of deep valve stem seals on multi valve engines
- length 250 mm
- for VW, OPEL, FORD and many others

Item #
1780



Valve Stem Seal Pliers, 270 mm

- for easy removing of deep valve stem seals on multi valve engines
- to be used e.g. on Opel, VW and Ford
- hardened jaws

Item #
8668



Valve Shims Pliers

- for removing valve adjusting shims
- suitable for OHC engines on Audi, Porsche, Ford, Fiat, VW, etc.
- length: 275 mm

Item #
8830



Valve Spring Compressor for OHV Valve Springs

- length 320 mm

Item #
1781



Valve Spring Compressor Set, 16-30 mm

- for smaller engines and motorcycles
- 5 interchangeable bearing drivers
- 100 mm C-Clamp
- pressure screws 70 mm, 110 and 120 mm length
- tensioner pieces:
Ø 16 mm, 19 mm, 23 mm, 25 mm, 30 mm
- telescopic magnetic pick
- tweezers



Item #
1768



Valve Spring Compressor, 35 - 200 mm

- chrome plated
- for large petrol or Diesel engines
- 2 valve spring pressure pieces:
outside dia. 25 mm for spring dia. 21 - 25 mm
outside dia. 30 mm for spring dia. 24 - 30 mm



Item #
1878



Valve Spring Compressor, 68-130 mm

- chrome plated

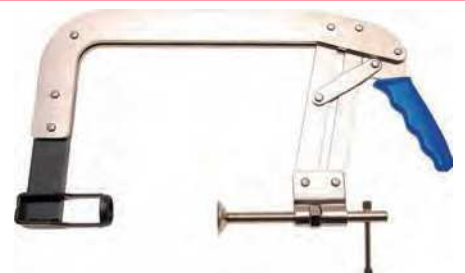


Item #
1877



Valve Spring Compressor, 72-240 mm, for OHC Engines

- pressed steel
- for Toyota and others



Item #
1940



Special Valve Spring Compressor, 75 mm

- 'overhead'
- nickel plated

Item #
1873



OHC Valve Spring Compressor

- with reversible legs and automatic valve shaft sealing
- not suitable for valve springs that are set deeply into the engine
- valve springs and valve shaft seals are replaced by the cylinder head

Item #
1777



Valve Spring Compressor "Overhead"

- for uncovered valves

Item #
1762



15-piece Air Valve Spring Compressor Set

10 $\frac{3}{8}$ "

- operates in connection with 3/8" drive T-type handle or ratchet
- extensive accessories
- prevents the engine valve from falling into the body due to a counterpressure, caused by air delivered via a spark plug-thread

Item #
1744



13-piece Valve Spring Compressor Assembly Set

- for depressing the valve springs
- allows a changing of the valve stem seals without removing the cylinder head
- pressure hose for filling compressed air into the cylinder
- suitable for M14 and M18 ignition plug threads
- including valve collet mounting tool
- max. width: 515 mm



Item #
1778



Universal Valve Spring Tensioner

- for tensioning of valve springs
- suitable for 1 to 12 cylinder engines with two and four-valve technology
- also suitable for inline and V engines from VW, Audi, Ford, Peugeot, Volvo, etc.
- mounting on different breakpoints is possible
- universally usable by a variety of settings
- contains 7 pressure pieces with varying diameter sizes for e.g. following models:
 - Ø 21 mm Peugeot, Citroen HDI
 - Ø 24 mm VW, Audi, Seat, Smart, Opel
 - Ø 25 mm Hyundai
 - Ø 28 mm Toyota, Ford 16V
 - Ø 32 mm Opel, Peugeot
 - Ø 35 mm Renault, Peugeot
 - Ø 42 mm Ford



Item #
8357

Universal Valve Spring Installer and Remover Tool Set

- suitable for assembly and disassembly of valve springs and replacement of valve stem seals on cars, without removing the cylinder head
- valves are closed by pressurized air and can not fall down into the combustion chamber
- works great in narrow space conditions
- can be applied on European, American and Japanese cars, such as BMW, Volvo, Toyota, VAG, Ford, etc.
- especially suitable for:
 - Mercedes Benz engines: M102, M103, M104, M111, M112, M113, M271, M272
 - BMW engines: N42, N52, N62, M54, M52, M56, E38, M60, V8



Item #
8475



Valve Spring Compressor for BMW N20, N26, N56

- for removing and installing the pressure spring on the intermediate lever
- to be used as BMW OEM 117110

Item #
62673



Valve Shim Remover for DOHC Engines

- suitable for all DOHC engines e.g. Volvo Opel, Ford, Renault ect.
- sliding t-bar for easy handling

Item #
8252



Valve Spring Tensioning Tool for Peugeot / Citroen

- very useful when working on valves
- suitable for 1.0, 1.1, 1.4, 1.6 petrol
- Peugeot 106, 205, 206, 306, 307, 405 and Citroen Xsara, Berlingo
- for following engines:
T9M (CDY,CDZ), TU1M (HDZ,HDY), TU3M/Z (KDX,KDY,KDZ)
TU3JP (KFW,KFX), TU3FJ2 (KFY,KFZ), TU5JP (NFZ)
- to be used as OEM 4533-TZ

Item #
8238



Valve Wedge Removing Tool

- suitable for most car engines with 2-, 3-, 4- or 5-valve technology
- quick and easy disassembly of the valve wedges
- minimizes repair costs

Item #
8444



Sliding Hammer Extractor

- suitable for PSA engines
- for fast, accurate and professional extraction of stuck valve stem seals without causing damage to the surrounding areas
- fits from 10-19 mm
- sliding hammer thread: M16 x 2.0

In carrying case



Item #
62610



Precision Feeler Gauges

- rust-proof
- with conical blades
- 100 mm long
- 0,05 - 1,0 mm
- metal handle



Item #	Description
3082	13-Blades Precision Feeler Gauges
3083	20-Blades Precision Feeler Gauges

11-piece Special Feeler Gauge

- ideal for measuring the piston ring tolerance
- 0,03 - 0,04 - 0,05 - 0,06 - 0,07 - 0,10 - 0,15 - 0,25 - 0,30 - 0,40 - 0,50 mm

Item #
3135



12-Blade Precision Feeler Gauge, bent

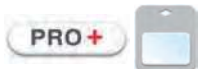
- rust-proof
- 0,08 - 0,10 - 0,12 - 0,13 - 0,14 - 0,15 - 0,16 - 0,18 - 0,19 - 0,20 - 0,25 - 0,26 Inch
- 0,203 - 0,254 - 0,305 - 0,330 - 0,356 - 0,381 - 0,406 - 0,457 - 0,483 - 0,508 - 0,635 - 0,660 mm

Item #
3184



Suction Valve Grinders

- 220 mm
- wooden handle , 2 rubber suction cups



Item #	Description
1740	Suction Valve Grinder, 16x21 mm
1741	Suction Valve Grinder, 28x34 mm

Valve Lapping Tool Attachment

- facilitates the insertion of valves
- automatic change in direction
- for use with fine grinding paste
- with 8 mm shank
- working speed min. 1000 rpm, max. 1250 rpm
- 2 different suction plates in 18 mm and 24 mm
- 13 mm shaft for attaching the suction cups

PRO +

Item #	Description
1738	Valve Lapping Tool Attachment
1738-1	Rubber Adaptor, 17.3 mm for BGS 1738
1738-2	Rubber Adaptor, 22 mm for BGS 1738



27-piece Valve Seat Cutter Set, 30-60 mm

- Milling in the following sizes:
at 45° and 90°:
30 - 32,5 - 35 - 37,5 - 40 - 42,5 -
45 - 47,5 - 50 - 52,5 - 55 - 57,5 - 60 mm
- 13 stem guide in the following sizes:
6 - 6,5 - 7 - 7,5 - 8 - 8,5 - 9 -
9,5 - 10 - 10,5 - 11 - 11,5 - 12
- not suitable for hardened valve seats

In metal case.

Item #
1970

PRO +



14-piece Valve Seat Milling Cutter Set

- suitable for cylinder heads with hardened valve seats
- includes:
 - 6 double-sided cutters
 - Ø 28-35 mm, 45° and 75°
 - Ø 37-44 mm, 30° and 75°
 - Ø 37-46 mm, 45° and 68°
 - Ø 44-52 mm, 30° and 75°
 - Ø 46-60 mm, 30° and 45°
 - Ø 52-65 mm, 60° and 75°
 - 4 continuously adjustable guides for Ø 6.5 to 12.5 mm
 - T-Handle for milling cutters

Item #
68346

PRO +



Scissor Jack with Cranking Handle, Capacity 1.5t

- minimum height 225 mm / maximum height 360 mm



Item #
1875

Hydraulic Jacks

- packed in coloured cardboard box
- item 1870, 1871 and 1974 with 60 mm spindle length (adjustable)
- item 1872 with 70 mm spindle length (adjustable)
- item 1973 with 80 mm spindle length (adjustable)

PRO CE

Item #	Description
1870	Hydraulic Jack 2t.
1871	Hydraulic Jack 3t.
1872	Hydraulic Jack 5t.
1973	Hydraulic Jack 12t.
1974	Hydraulic Jack 20t.



Hydraulic Jack, Capacity 10t.

- double ram hydraulic system
- min height: 210 mm
- max. height: 520 mm
- lifting height: 245 mm
- weight: 10.7 kg
- stand area: 160 x 165 mm

Item #	PRO +	CE
1977		



Air Hydraulic Jack, 20 to.

- for compressed air use, can also be operated by hand pump
- max. capacity: 20,000 kg
- size of foot: 223 x 133 mm
- min. height: 260 mm
- max. height: 510 mm
- adjustable height: 80 mm
- stroke: 170 mm
- working pressure: 8 - 9 bar
- weight: 16.3 kg

Item #	PRO +	CE
2883		



Mobile Air Hydraulic Jack, 22 T

- capacity: max. 22 ton
- min. height: 260 mm
- max. height: 435 mm
- 4 attachments for different min. and max. heights:
 - Ø 48 mm, length 20, 60 and 100 mm
 - Ø 68 mm, length 25 mm
- 80 mm lifting spindle, adjustable
- air inlet: 1/4" NPT
- wheel diameter: 72 mm
- air hose: 10 mm (3/8") outer diameter, length 1.2 m
- working pressure: 6.9 - 8.3 bar (120 - 200 PSI)



Item #
2888



Miniature Aluminum Jack, 90 kgs

- suitable for decoration and for large vehicle models up to approx. 1:5
- with hydraulic function
- all parts are metal (aluminum) made
- lifting capacity: 90 kg
- length: 200 mm
- max. Height: 145 mm



Item #
11



Aluminum Hydraulic Floor Jack, 1.5t.

- low weight aluminum construction
- min. height: 125 mm
- max. height: 340 mm
- length: 492 mm
- width: 230 mm
- weight: 9,2 kg
- front castors: Ø 65 mm
- steering castors: Ø 40 mm
- with convenient carrying handle



Item #
2885



Aluminum Hydraulic Floor Jack, 2.5t., Aluminum-Steel Constuction

- dual lifting piston
- durable and lightweight aluminum-steel construction
- min. height: 100 mm
- max. height: 460 mm
- length: 640 mm
- width: 285 mm
- weight: 26.6 kg
- front castors: Ø 65 mm
- steering castors: Ø 45 mm

PRO+ CE



Item #	Description
2889	Aluminum Hydraulic Floor Jack, 2.5t., Aluminum-Steel Constuction
2889-1	Hydraulic Spare Part for BGS 2889

Hydraulic Floor Jack, 3 To.

- 4 metal castors, 2 swivel castors
- max. load: 3,000 kg
- lifting height: 140 - 520 mm
- weight: 36,5 Kg
- dimensions: L660 x W344 x H180 mm (height without lifting tube)

Item # 9248 PRO+



Turbo-Lifter Floor Jack Flat 2,25 To.

- professional quality
- suitable for cars with low ground clearance
- reduced noise because of nylon castors
- foam coated lever helps to prevent damage to the car
- capacity: 2.25t
- min. height: 90 mm
- max. height: 515 mm
- rear height: 155 mm
- length: 850 mm
- width: 400 mm
- weight: 54 kg

Item # 9242 PRO+ CE



Turbo-Lifter Floor Jack 3 To.

- professional quality
- reduced noise because of plastic castors
- foam coated lever helps to prevent damage to the car

- capacity: 3t
- min. height: 130 mm
- max. height: 490 mm
- length: 720 mm
- width: 360 mm
- weight: 41kg



PRO+ CE

Item #	Description
9240	Turbo-Lifter Floor Jack 3 To.
9240-1	Rubber Pad for Workshop Jack BGS 9240, 9241, 9242

Farm Jack, 400 kg

- especially for off-road vehicles with a high ground clearance
- allows easy lifting, even when lifting on soft underground
- has a setback locking mechanism for actuating tube
- lifting capacity (max): 400 kg
- lifting height: min. 130 mm to max. 930 mm
- weight: 14.5 kg



Item #	PRO+
2884	

Hydraulic Vehicle Positioning Jack, Lifting Capacity 600 kg

- easier to maneuver in the smallest space
- ideal for exhibitions, workshops and towing companies
- BGS 1975
 - load capacity 600 kg per positioning jack
 - tire width up to max. 290 mm
 - ground clearance: 145 mm
 - max. lifting roll distance: 650 mm (extended)
 - min. lifting roll distance: 300 mm (retracted)
 - dimensions: 630 x 550 mm
- BGS 8604
 - load capacity 600 kg per positioning jack
 - tire width up to max. 330 mm
 - ground clearance: 160 mm
 - max. lifting roll distance: 610 mm (extended)
 - min. lifting roll distance: 355 mm (retracted)
 - dimensions: 650 x 620 mm



PRO+



Item #	Description
1975	Hydraulic Vehicle Positioning Jack, Lifting Capacity 600 kg
1975-1	Hydraulic Cylinder for Item# 1975
1979	Spare Wheel for Item# 1975
8604	Hydraulic Vehicle Positioning Jack, Lifting Capacity 600 kg
8604-1	Hydraulic Cylinder for BGS 8604

Car Positioning Shells, 1 Pair

- capacity / piece: 450 kg
- ideal for maneuvering in small areas
- 4 steel castor wheels
- max. tyre width: 360 mm
- dimensions: 385 x 605 mm
- max. tyre width: 360 mm
- dimensions: 385 x 605 mm



Item #

8386

PRO+

1 Pair of Axle Stands, High End Finish

- heavy duty, 4 leg finish
- 10-step ratchet-type action



PRO +

Item #	Description
3014	1 Pair of Axle Stands, 2 to/piece, 278-423 mm
3015	1 Pair of Axle Stands, 3 to/piece., 285-420 mm
3016	1 Pair of Axle Stands, 6 to/piece., 420-600 mm

Drive-On Ramp, one piece

- extra strong and wide finish
- 840 mm long
- 205 mm wide
- drive-on height: 210 mm,
- load capacity: 2 tons when using two platforms
- for tyres up to 195 mm wide
- to be used by pair only



Item #
3001

PRO +

2 piece Folding Ramp Set

- multi-purpose and mobile
- for loading and unloading quads, motor bikes, lawn mowers etc.
- can also be used as car stand when folded
- suitable for trailers with 700 to 900 mm loading height
- maximum capacity per ramp:
 - 1.100 kg (folded)
 - 350 kg (unfolded)
- space saving because it folds
- dimensions 580 x 160 x 265 mm (folded)
- overall length 1985 mm (unfolded)
- carrying handle for easy transport



Item #
2999

PRO +

Magnetic Clip

- strong magnet
- suitable for torches etc.



Item #
67152

PRO +

Jacks / Axle Stands / Workshop Equipment

Magnetic Shell, Inox

- Ø 150mm
- **stainless finish**
- very strong magnet
- rubber coated
- "no scratches"
- sold without the displayed contents

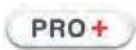
Item #
1150



Magnetic Shell, Inox

265x290 mm

Item #
1151



Magnet Tray, deep type, Ø 145 mm

- all purpose: use in workshop, construction, car-repair, etc.
- special high finish allows storing of non-magnetic small parts like aluminium, brass, stainless steel as well as large magnetic tools and parts
- plastic coating around magnet

Item #
67100



Magnetic Cup Holder

- can fit coffee mugs, pop cans, water bottles and more
- powerful magnet on backside
- diameter: 88 mm
- height: 188 mm

Item #
67160



Magnifier with Flexible Arm and Magnetic Foot

- focal length: 320 mm
- magnifier diameter: 105 mm
- magnet diameter: 65 mm
- total length: 260 mm
- Ø 26 mm flexible arm

Item #
8372



Magnetic Holder

- for air tools / other tools
- capacity: 4.5 kg

Item #
1158



Magnetic Air Tools Holder

- holds air impact wrenches, wheel nut sockets and torque wrenches on lifting platforms
- 2 strong magnets
- 15 kg lifting capacity

Item #
1159



Magnetic Shell Set 3-pc., 150-210-310 mm

- 3 shelves with strong magnet
- individually attachable
- sticks to all metal surfaces
- perfect storage box for tools, aerosol cans and other tools
- sizes:
 - 150 x 120 mm, max. load capacity 0.60 kg
 - 210 x 120 mm, max. load capacity 0.77 kg
 - 310 x 120 mm, max. load capacity 1.17 kg

Item #
67150



Magnetic Can Storage Tray

- fits 3 standard spray cans
- 6 strong magnets, capacity approx. 4kgs
- 10 holes on bottom position Ø 19 mm, can also hold screwdrivers
- dimensions: 210 x 75 x 70 mm

Item #
67156



Magnetic Paper Towel Holder

- with strong magnetic capacity approx. 3kgs
- holder Ø 33 mm

Item #
67159



Magnetic Holder for Sockets

- sockets are held by magnetic strip
- with strong holding magnet
- 3011-1 for holding 10x 1/4" sockets
- 3011-2 for holding 12x 3/8" sockets
- 3011-3 for holding 10x 1/2" sockets



Item #	Description
3011-1	Magnetic Holder for 1/4" Sockets
3011-2	Magnetic Holder for 3/8" Sockets
3011-3	Magnetic Holder for 1/2" Sockets

Fender Protection Cover

- for a professional, clean work
- protects fender from dirt and scratches
- upper edge with magnetic stripe



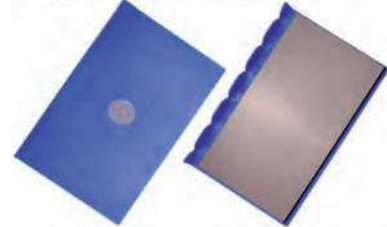
Magnetic Fender Cover, 79x59 cm

- for protection of the body at work,
- built in magnets



2-piece Body-Edge Protection, magnetically

- for edge protection when sanding or painting
- with magnets on backside for easy handling
- material: polypropylene
- dimensions: 153 x 88 mm
- includes 2 pieces

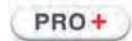


Item #
8508



Universal Seat and Steering Wheel Cover Sets

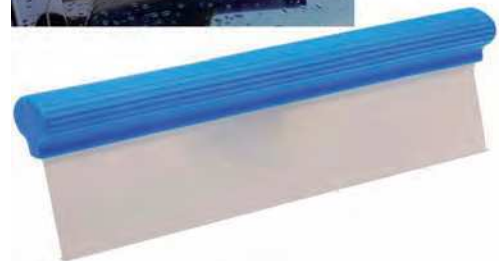
- protects against pollution from grease, oil, water, food scraps and other materials
- can be easily cleaned by wiping off with a damp cloth or sponge
- consists of seat, steering wheel and gear knob cover



Item #	Description
66529	Universal Seat and Steering Wheel Cover Set, Synthetic Leather
66531	Universal Seat and Steering Wheel Cover Set, Polyester

Silicon Water Remover, 300 mm

- for removing of water on all even surfaces, such as windshields
- soft silicone, very gentle to surfaces



Item #
8855



Working Platform, Foldable

- with one step
- platform area: 760 x 300 mm
- platform height: 495 mm
- floor area: 1090 x 415 mm
- dimensions (folded): 790 x 413 x 165 mm
- low weight aluminum construction
- max. capacity: 115 kgs
- weight: 3.6 kg



Item #
8366



Windshield Carrying Tool Cart

- very useful for transporting and storing screens and tools
- 3 shelf levels, plate size: 500 x 380mm
- dimensions:
 - height: 940 mm
 - width: 685 mm
 - depth: 435 mm
- 4 rubber pads for safe storing of windshield
- 4 swivel castors, 2 with brakes
- 2 handles
- made of lightweight plastic
- max. capacity: 50 kg



Item #
8789



Windshield Holder

- ideal for storing windshields while removing or applying adhesive materials etc.
- foldable, saves storage space
- soft wrapped upper frame for secure holding of windscreen
- width: 1005 mm
- frame depth: 570 to 800 mm
- frame height: 600 to 900 mm (depending on the setting of frame depth)



Item #
8380



Windshield Holder with Suction Pads

- ideal for storing windshield while removing or applying adhesive material etc.
- foldable, saves storage space
- 4 suction pads for secure holding of windscreen
- max. load: 25 kg
- height: 950 mm
- support point distance: 710 x 620 mm



Item #
8460



Windshield Holder / Multi-Purpose Table

- ideal for storage of windshields and car body parts, e.g. when removing or applying adhesive materials, etc.
- heavy duty construction
- adjustable and lockable in width and height, therefore can be stored in a small area
- 4 swivel castors
- padded seating surface
- width: 22 cm to 135 cm
- height: 84 cm to 125 cm
- depth: 87 cm
- capacity: 100 kg



Item #
9238



Engine Support, 750-1450 mm

- for assembling and disassembling of engine and gearbox
- strong square-type tube
- adjustable width
- ball bearing wheels
- rubber pads protect fenders
- 9235 comes with two chains, 9234 with one (each chain 90 cm long)



Item #	Description
9234	Engine Support, 750-1450 mm, 300 kg
9235	Engine Support XL, 750-1450 mm, 500 kg
9234-2	Rotary Handle with External Thread for BGS 9234
9234-1	Rotary Handle with Internal Thread for BGS 9234 / 9235

Universal Engine Traverse

- 2- and 3-point support on car wing edges and hood latch
- wide area of application due to adjustable suspension points
- comes with 2 pendant ropes
- capacity: 315 kg
- cross beams width: 1000 - 1550 mm
- longitudinal beam length: 24-fold adjustable 90, 120, 150, 180, 210, 240, 270, 300, 330, 360, 390, 420, 450, 480, 510, 540, 570, 600, 630, 660, 690, 720, 750, 780 mm
- supporting foot height (longitudinal beam): 100-130 - 160-185 - 210-240 mm
- supporting foot height (cross beams): 105 mm

Item #
8515



4-point Engine Support

- especially suitable for vehicles with auxiliary frame
- prevents undesired twisting and tilting of the engine
- two positionable longitudinal beams for support on front panel
- can also be used without longitudinal beams
- including two chains and shackles, length 530 mm
- variable width, up to 1500 mm
- variable length of longitudinal beams 510-845 mm
- lifting spindle length 340 mm
- capacity: 315 kgs

Item #
9237



Engine / Gearbox Support

- secure support of engine or gearbox during assembly
- is required for e.g. disassembly of the engine mount, timing belt and replacement of clutch
- sturdy square tube construction
- feet and support plate are height adjustable and lockable
- rotatable retaining hooks, adjustable in height by hand wheel
- slidable and fixable crosspiece and retaining hook
- support plate with non-slip rubber pad
- especially suitable for large fender angle, where a mounting of engine bridge is very difficult
- suitable for many common vehicles
- length of the longitudinal beam: 690 up to 1050 mm
- max. retaining hook distance: 500 mm

Item #
8606



Engine Mounting Balancer

- for balancing engines when lifting with an engine crane
- allows a precise alignment when installing the engine on gearbox
- capacity: 350 kg
- dimensions: 280 x 390 mm
- adjustment: +/- 160 mm
- chain length: 2x 350 mm (incl. mounting bracket)
- crank length: 100 mm



Item #
8492

PRO

Engine Crane, 1000 Kg

- engine crane for lifting engines and other heavy loads
- lifting arm can be adjusted in 4 positions of different length
- technical data:
 - capacity position 1: 1000Kg
 - capacity position 2: 750kg
 - capacity position 3: 500Kg
 - capacity position 4: 250kg
 - maximum height in position 1: 2019 mm
 - maximum height in position 4: 2248 mm
 - length of the lifting arm in position 1: 902 mm
 - length of the lifting arm in position 2: 1003 mm
 - length of the lifting arm in position 3: 1080 mm
 - length of the lifting arm in position 4: 1169 mm
 - frame length: 1257 mm
 - overall height: 1400 mm
- foldable for easy storing

PRO+ CE

Item #	Description
9245	Engine Crane, 1000 Kg
9245-1	Hydraulic Cylinder for Engine Crane BGS 9245



Mobile Engine Stands

- rotates 360° and can be locked in 8 positions
- ball bearing wheels and castors
- turnable plate allows easy moving of the engine
- adjustable angle and distance



PRO



Item #	Description
9231	Engine Stand, 450 kg
9230	Engine Stand XL, 560 kg

Gearbox Lifter, 600 kg

- for assembling and disassembling of gearboxes, rear axles and suspension parts
- swivel saddle
- height 1130 to 1970 mm
- 4 ball bearing castors
- heavy duty construction
- 840 mm stroke
- quick lift hydraulic foot pump
- weight 34 Kg



Item #
9239

PRO+



Gearbox Lifter, 500 kg, Heavy Duty

- for assembling and disassembling engines, gearboxes and rear axles
- adjustable head plate 60 mm to the side and from -10° to 35° in inclination, therefore especially suitable for mounting of automatic transmissions
- height approx. 880 to 1770 mm
- 4 ball bearing caster wheels
- compact construction, lightweight
- high lifting range
- fast lifting due to hydraulic foot pedal
- heavy duty
- weight: 80 kg



PRO+ CE

Item #	Description
9233	Gearbox Lifter, 500 kg, Heavy Duty
9233-2	Hydraulic Cylinder for Gear Lifter BGS 9233
9233-1	Replacement Wheel for BGS 9233

Hydraulic Workshop Press 10 T

- for removal and installation of bearings, bushings, etc.
- suitable for fixed mounting on e.g. workbenches
- dimensions: (H) 1075 x (W) 620 x (D) 450 mm
- 3-way adjustable support beam
- can be used on workpieces up to following dimensions:
 - width: 345 mm
 - height: 170 to 330 mm
- stroke of hydraulic cylinder: 90 mm



PRO+

Item #	Description
9247	Hydraulic Workshop Press 10 T
9247-1	Hydraulic Pump for Workshop Press BGS 9247
9247-2	Hydraulic Cylinder for Workshop Press BGS 9247
9247-3	Pressure Gauge for Hydraulic Workshop Press BGS 9247

Shop Press 20 to.

- suitable for daily workshop use
- facilitates renewal of e.g. wheel bearings, gear shaft bearings, rubber bushings etc.
- large work area with 9-way adjustable supporting surface
- big pressure gauge: 0 - 14500 psi (0 - 1000 Bar)
- working range: 0-1030 mm
- width: 530 mm
- stroke: 150 mm
- weight: 95 kg



PRO+



Item #	Description
9246	Shop Press 20 to.
9246-1	Hydraulic pump for Workshop Press Art 9246
9246-2	Hydraulic Cylinder for Workshop Press BGS 9246
9246-3	Pressure Gauge for Workshop Press BGS 9246

Parts Washer, 230V

- for cleaning of small parts
- cleaner brush is rinsed for best cleaning results
- W640 x D440 x H260 mm



Item #
8693

PRO+



40L Pneumatic Fuel Extracting Unit

- for extracting gasoline and diesel fuel
- allows an easy renewing of tanks, fuel pumps, tank sensors or emptying wrongly refilled tanks
- 3 suction tubes Ø 6 - 8 - 10 mm, 2 m long
- suction power: 5 l/min
- working pressure: 5 to 8 bar
- air consumption: 170 l/min
- air connection: 1/4"



Item #
8702



Trailers Socket Tester

- the tester allows a quick check of 12V electrical systems on trailers, cars, motorhomes, ect.
- suitable for 7-pin connectors
- battery: 9V (not included)

Item #
2187

Trailer / Vehicle Tester, 7- / 13-pin

- the tester allows a quick check of 12V electrical systems on trailers, cars, motorhomes, ect.
- suitable for 7- and 13-pin connectors
- incl. adapter 7- to 13-pin and 13- to 7-pin
- battery: 9V (not included)

Item #
2171



Trailer Socket Tester

- for checking the electrical socket, e.g. after mounting a trailer hitch
- suitable for 12V systems
- possible functional test:
 - right and left indicator light
 - brake light
 - left and right tail light
 - rear fog light
 - polarity test
- LED type
- 100 cm connecting cable



Item #
80763

PRO

Wire Rope Winch, 270 kg

- for mounting on boat trailer, etc.
- rope Ø: 4.2 mm
- length of rope: 8 m
- rope winding roller: Ø 48 mm
- crank Length: 155 mm
- crank Handle Width: 89 mm
- max. Load: 270 kg (275 daN)
- gear ratio: 3.1: 1
- overall height: 118 mm

suitable for pulling loads only, not for lifting



Item #
3485

PRO +

Chain Hoist, Lifting Range 2.5 m

- closed body
- minimal amount of manual work needed due to special power transmission even when max. load capacity is reached



PRO CE

Item #	Description
3483	Chain Hoist, Lifting Range 2.5 m, Capacity 1 to.
3484	Chain Hoist, Lifting Range 2.5 m, Capacity 2 to.

Three Leg Air Filter Wrench, 75-135 mm

12.5 \square 1/2

- for loosening granulate air dryer cartridges in trucks
- black finish



Item #
1032

PRO +

9-piece End Cap Oil Filter Wrench Set

- black finish
- special sizes for utility vehicles:
36 mm x 6 edge, 74 mm x 14 edge, 106 mm x 15 edge
107 mm x 15 edge, 108 mm x 15 edge, 108 mm x 18 edge
135 mm x 18 edge
- 160 mm oil filter wrench included
- all sizes also available separate

PRO +

Item #	Description
1019	9-piece End Cap Oil Filter Wrench Set
1019-106	End Cap Oil Filter Wrench, 106 mm x 15-edge
1019-107	End Cap Oil Filter Wrench, 107 mm x 15-edge
1019-108	End Cap Oil Filter Wrench, 108 mm x 15-edge
1019-108-18	End Cap Oil Filter Wrench, 108 mm x 18-edge
1019-135	End Cap Oil Filter Wrench, 135 mm x 18-edge
1019-36	End Cap Oil Filter Wrench, 36 mm x 6-edge
1019-74	End Cap Oil Filter Wrench, 74 mm x 14-edge
1019-1	Oil Filter Band Wrench, 160 mm



Oil Filter Strap Wrench XL, 125 - 145 mm

12.5 1/2

- for extra large oil filter diameters up to 145 mm
- high strength steel strip for long life
- also suitable for loosening granulate air dryer cartridges on trucks

Item #
8793



Oil Pan for Truck Axles

- for collecting oil during axle repairs
- suitable for rim inner diameter over 13-3/4" (350 mm)
- with side opening for draining the oil
- temperature range: -40 ° C to +80 ° C
- dimensions: 316 x 246 x 156 mm

Item #
8720



4-piece Special Truck Socket Set

- sockets for working on the nozzle holder
- socket 1/2" drive , 4-tooth, length 72 mm, fits Mercedes series:
OM 401/421, 403/423, LA, A, 470
- socket with 32 mm outer hexagon, length 70 mm, 4-tooth with internal thread M14 1.5 mm, fits Mercedes, Neopplan, Setra
- socket 1/2" drive, 3-tooth, length 120 mm, fits Mercedes, MAN
- socket with 32 mm outer hexagon, length 120 mm, 4-tooth, fits MAN, Mercedes



Item #
67210

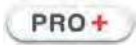


Nozzle Extractor, Four Tooth for MAN and Mercedes

- extractor made of carbon steel with four tooth counterholder and 27 mm 6-pt
- suitable for MAN and Mercedes trucks
- M14 Spindle
- spindle with 6 mm hex drive for mounting nozzle on spindle
- allows easy and professional removal of the nozzle
- length: 105 mm



Item #
67230



4-Tooth Special Nozzle Socket for Mercedes, Neopplan, Setra

- sockets for working on the nozzle holder
- 32 mm outer hexagon drive, length 70 mm
- 4-tooth with internal thread M14 1.5 mm, fits Mercedes, Neopplan, Setra
- replacement tool for Art. 67210



Item #
67210-1



Truck Socket Tools, Rear Wheel

- for professional truck repair
- for more details about each socket please visit our website and enter the respective item#



Item #	Description
5413	Truck Socket Tool, Rear Wheel, 80 mm, SCANIA front axle
5417	Truck Socket Tool, 8 points, 100 mm, SCANIA
5410	Truck Socket Tool, Rear Wheel, 111 mm, BPW 12t
5416	Truck Socket Tool, 8 points, 115 mm, Volvo



Front Wheel Axles Damper Rod Socket, 28 mm

- suitable for SCANIA rear axles damper rod
- 28 mm special specially shaped socket
- 2-pt.
- 3/4" drive
- for professional truck repair

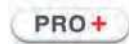
Item #
5418



Grooved Nut Wrench

20 3/4

- made from heavy duty steel
- for professional truck repair
- for more details about each socket please visit our website and enter the respective item#



Item #	Description
5420	Pin Wrench Socket For Ball Joint, Mercedes M-Class
5421	Transmission Clutch Front Main Shaft Socket 72/80 mm



6-piece Impact E-Type / 12-point Socket Set, 3/4"

20 3/4

- suitable for impact wrenches, length 110 mm
- E18-20-22-24 + 17 and 19 mm 12-point sockets
- fits truck cylinder head screws, e.g. MB 300-400-420-500-900; MAN M 2000, F90, F8, D20, D25, D28



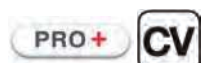
Item #	Description
5250	6-piece Impact E-Type / 12-point Socket Set, 3/4"
5345	3/4" Impact Socket, deep, 17 mm
5346	3/4" Impact Socket, deep, 19 mm
5347	3/4" Impact Socket, E18 x 110 mm
5348	3/4" Impact Socket, E20 x 110 mm
5349	3/4" Impact Socket, E24 x 110 mm
5250-E26	3/4" Impact Socket, E30 x 110 mm
5250-E28	3/4" Impact Socket, E30 x 110 mm
5250-E30	3/4" Impact Socket, E30 x 110 mm



E Type Sockets with 30 mm hex. drive

- with retaining ball
- length approx. 40 mm
- 30 mm hex. drive

- E20 - BGS 6451
- suitable for MAN TGL brake caliper
- E24 - BGS 6452
- suitable for MAN TGL brake caliper



Item #	Description
6451	E20 E-type Socket with 30 mm hex. drive
6452	E24 E-type Socket with 30 mm hex. drive



Groove Nut Sockets for MB Rear Axle

20  3/4

- made according to DIN 3121 / ISO 1174
- high accuracy
- extremely robust construction
- suitable for high tightening and loosening torque
- stud: 6 pcs.
- stud width: 10 mm
- weight: 2.6 kg

BGS 8268

- suitable for Mercedes Benz Actros rear axles, HL/HL 8 (Hypoid) etc.
- inner diameter: 105 mm
- outer diameter: 125 mm
- height: 182 mm
- stud diameter: 115 mm

BGS 8269

- suitable for Mercedes Benz Atego rear axles, Vitaro 814, MAN, etc.
- inner diameter: 80 mm
- outer diameter: 95 mm
- locating tube diameter: 49 mm
- height: 185 mm
- stud diameter: 87 mm



Item #	Description
8269	Groove Nut Socket, MB Atego, 80 - 95 mm
8268	Groove Nut Socket, MB Actros, 105 - 125 mm

Groove Nut Socket for Ford Transit with Type 34 Axle

125  1/2

Item #	PRO+	CROMO
5423		



Ford Wheel Hub Remover with Sliding Hammer

- suitable for removal and installation of brake discs on front and rear wheel drive vehicles
- to be used as OEM 204-345B

Item #	PRO+
7776	



Truck Tire Assembly / Disassembly Lever, 28-30 mm

- for removing and installing truck tires
- allows renewing of tires without mounting device and power supply
- suitable for 22.5 and 24.5" wheels
- total length: 131 cm



Item #
8891

PRO

Truck Tire Cart

- facilitates the transport of truck wheels
- lifting frame width: 500 mm
- lifting frame depth: 350 mm
- max. wheel weight 68 Kgs



Item #
9236

PRO

Torque Multiplier Set

25 1

- for loosening stuck wheel nut sockets on trucks and vans
- maximum torque 3200 Nm
- gear ratio 1:56
- for 1" sockets



PRO+

Item #	Description
1230	1" Torque Multiplier Set
1230-REPAIR	Repair Set for Torque Multiplier

Commercial Vehicles

Torque Multiplier

25 ■ 1

- for loosening stuck wheel nut sockets on trucks and vans
- maximum torque 3200 Nm
- gear ratio 1:56
- for 1" sockets



Item #
1230-1

PRO+

6-piece Torque Enhancer Kit, 1/2" + 3/4"

20 ■ 3/4 12.5 ■ 1/2

- 1/2" drive, max. torque 300 NM
- 3/4" drive, max. torque 1000 NM
- gear rate 1:4, torque rate 1:3,3
- overall length (with straight handle bar) 460 mm
- can alternatively be combined with an angle bar that abridges in the rim
- includes 1/2" ratchet with quick release function (fine toothed) and crank handle for quick and easy spinning
- includes power adaptor 3/4" intake x 1/2" output for working on ordinary wheel nuts



PRO+

Item #	Description
1204	6-piece Torque Enhancer Kit, 1/2" + 3/4"
1204-REPAIR	Repair Set for Torque Multiplier Item 1204

3/8" Butterfly Type Air Impact Wrench, 135 NM

10  3/8

- 1/4" BSP
- loosening torque 100 NM,
max. torque 135 NM after 15 seconds
- 9000 U/min
- one hand forward and reverse
butterfly control
- solid and compact finish
- air consumption 85l/min

Item #
3238

PRO 



1/2" Air Impact Wrench from # 3223, loose, 366 NM

12.5  1/2

- loosening torque 332 NM,
max. torque 366 NM after 15 seconds
- air consumption 113 l/min

Item #
3209

PRO 



16-piece 1/2" Air Impact Wrench Kit, 366 NM

12.5  1/2

- contents:
- 1/2" reversible impact wrench
 - BSP nipple
 - oil pot
 - 125 mm impact extension bar
 - hex. adaptor
 - 10 impact sockets
9-10-11-13-14-17-19-22-24-27 mm
 - loosening torque 332 NM
max. torque 366 NM after 15 seconds (320 NM after 5 seconds)
 - air consumption 113 l/min

Item #
3223

PRO 



1/2" Impact Wrench, 678 Nm

12.5 \square 1/2

- square drive: 1/2"
- working torque: 515 Nm
- max. torque: 678 Nm
- free speed: 11,000 RPM
- working pressure: 90 psi
- impact mechanism: twin hammer
- air inlet: 1/4"
- recommended hose size: 3/8"
- weight: 1.6 kg
- short, lightweight design



Item #
3245



Air Impact Wrench 12.5 (1/2), Composite Housing, 880 NM

- very durable, suitable for daily use in workshops
- handy and well balanced
- drive: 12.5 (1/2)
- peak torque after 15 sec. 1110 Nm
 - Level 1: 200 Nm
 - Level 2: 610 Nm
 - Level 3: 880 Nm
- air consumption: min 139 l / min
- working pressure: 6.2 bar
- connector: 1/4"
- hose inside diameter (recommended): 10 mm



Item #
3280



1/2" Air Impact Wrench "Powerhouse", 1355 NM

12.5 \square 1/2

- heavy duty impact wrench for everyday workshop use
- air consumption 153 l/min
- torque:
 - step 1: 580- 650 NM
 - step 2: 745- 810 NM
 - step 3: 950- 1017 NM
- max. torque after 15 seconds: 1355 NM



Item #
3233



16-piece Air Impact Wrench Set 1/2", 1355 NM

12.5  1/2

- heavy duty impact quality for workshop use
- 3 protective impact sockets in 17, 19 and 21 mm
- 125 mm extension bar
- 60 mm universal joint
- sockets: 12, 13, 14, 15, 16, 17, 18, 19, 21 and 22 mm
- Impact wrench:
air consumption 153 l/h
torque:
Step 1: 580-650 NM
Step 2: 745-810 NM
Step 3: 950-1017 NM
max. torque after 15 seconds: 1355 NM



Item #
5259



3/4" Air Impact Wrench, 700 NM

20  3/4

- loosening torque 678 NM, max. torque 880 NM after 15 seconds
- 3/8" BSP
- operating air pressure 6-8 bar
- air consumption 285l/min



Item #
3225



Air Impact Wrench, 3/4", 1152 NM

20  3/4

- impact mechanism: Twin Hammer
- max. torque: 850 FT-LB (1152Nm)
- free speed: 7500 R.P.M.
- air consumption: 7.4 CFM (210 l/min)
- hose inner diameter: 3/8" (10 mm)
- air inlet: 1/4"
- weight: 5.61 LBS (2.55kg)
- length: 6-3/4" (170 mm)
- same construction as BGS 3246



Item #
3248



3/4" Air Impact Wrench, 1355 NM

20  3/4

- weight 2200 g
- air consumption 390 l/min
- torque:
 - step 1: 580- 650 NM
 - step 2: 745- 810 NM
 - step 3: 950- 1015 NM
- max. torque after 15 seconds: 1356 NM



Item #
3235

PRO+ CE

Air Impact Wrench, 3/4", 1600 NM

20  3/4

- side handle for better grip
- square drive: 3/4"
- max. torque: 1600 Nm
- air pressure: 90 psi
- avg. air consumption: 255 l/min
- free speed: 4600 rpm
- air inlet: 3/8"
- weight: 7.6 kg



Item #
32805

PRO+ CE

1" Air Impact Wrench, 2169 NM

25  1

- air pressure: 6.2 bar (90psi)
- air consumption 380 l/min
- free speed: 3900 rpm
- torque:
 - step 1: 1288 Nm
 - step 2: 1762 Nm
 - step 3: 2033 Nm
- max. torque after 15 seconds: 2200 Nm



Item #
3240

PRO+ CE

1" Impact Wrench, 2034 Nm

25 1

- very handy with pistol grip and side handle
- square drive: 1"
- max. torque: 2034 nm
- working air pressure: 90 psi
- max. air pressure: 100 psi
- air consumption: 7,0 cfm
- max. rpm: 5300
- air inlet: 3/8"
- recommended hose: 1/2"
- max. sound level: 105,4 db/(A)
- weight: 4900 g



Item #
8497



Air Impact Wrench Set for Glow Plugs

6.3 1/4

- allows loosening of stuck glow plugs
- can also be used on screws where a low torque is required
- 4-stage torque adjustable to approx. 20-30-40-50 NM to minimize the risk of tear-off of the glow plugs
- torque setting is possible in forward and reverse rotation
- incl. 5 deep sockets in 8, 9, 10, 11 and 12 mm, 1 extension bar and 1 universal joint
- 1/4" drive bar
- working pressure: 6.2 bar



Item #
3320



Retaining + O-Ring for 1/2" Impact Wrench

- suitable for all 1/2" impact wrenches



Item #
32899



Air Ratchet, extra-short type, 30 NM

- very handy and powerful type
- max. torque: 22 ft-lbs (30Nm)
- max. air pressure: 90psi (6,3 bar)
- average air consumption: 3.9 CFM (110L/min)
- max. speed: 300 rpm
- air inlet: 1/4"
- length: 5-1/2" (140 mm) only
- weight: 1.1lbs (500g)



Item #	Description
8472	Air Ratchet, extra-short type, 1/4"
8473	Air Ratchet, extra-short type, 3/8"

1/4" Reversible Air Ratchet, 34 NM

6.3  1/4

- drive: 6,3 (1/4)
- max. torque: 34 Nm (25,2 ft-lbs)
- max. air pressure: 6,2 Bar (90psi)
- average air consumption: 113 L/min (4 cfm)
- max. speed: 265 rpm
- air inlet: 1/4"
- noise: LpA = 94,69 dB(A)
LwA = 105,69 dB(A)
- vibration: ahd = 3,54 m/s²
K = 1,5 m/s²
- length: 175 mm
- weight 0,6 Kg



Item #
3234



3/8" Reversible Air Ratchet, 34 NM, stubby type

10  3/8

- spring-loaded ball bearing
- max. torque: 25 ft-lbs (34 Nm)
- max. air pressure: 90 psi
- max. speed: 160 rpm
- air inlet: 1/4"
- length 175 mm



Item #
3239



1/2" Reversible Air Ratchet, 68 NM

12.5  1/2

- spring-loaded ball bearing
- max. torque 68 Nm
- operating with 90 PSI
- free speed: 150 Nm
- length 265 mm



Item #
3229



1/2" Reversible Air Ratchet, 74 NM

12.5  1/2

- contents:
- 1/2" reversible ratchet
 - spring-loaded ball bearing (operating with 90 PSI), length 250 mm
 - 7 impact sockets 9-10-11-13-14-17-19 mm
 - impact extension bar 75 mm
 - 1 bit holder 75 mm
 - 3 bits
 - air consumption 113 l/min



Item #
3224



Air Ratchet Wrench, 1/2"

- special long lasting ratchet mechanism
- rubber handle
- drive: 1/2"
- max. torque: 102 Nm
- max. pressure: 6.2 Bar
- average air consumption: 85,8 l/m
- max. speed: 180 U/min (180 rpm)
- air inlet: 1/4"
- noise level: LpA=85 dB(A), LwA=95 dB(A)
- vibration: ahd=3,8 m/s² (13,7 m/s² under load)
- length: 265 mm
- weight 1,3 kg



Item #
3282



Air Multi-Tool with 3 changeable Working Heads

- quick release for faster and easier change of working heads
- 3 tools in one, air ratchet, drilling machine, air grinder
- max. air consumption: 115 l/min (4 cfm)
- max. air pressure: 6.3 bar (90 psi)
- air inlet: 1/4"
- specific data of grinder:
 - free speed: 20000 rpm
 - chuck size: 3.6 mm
 - length: 215 mm
- specific data of ratchet:
 - free speed: 150 rpm
 - air consumption: 115 l/min (4 cfm)
 - drive: 12,5 (1/2")
 - length: 278 mm
 - max torque: 81 Nm
- specific data of drill:
 - free speed: 2200 rpm
 - max. chuck size: 9.5 mm (3,8")
 - length: 205 mm



Item #
3262



Air Blow Pin

- especially suitable for small spaces
- operated by gently bending the grommet
- good handling
- length 80 mm



Item #
3278



Air Blow Gun, Length 110 mm

- miniature finish
- adjustable blow
- with clip-holder
- tip outer diameter is 5.3 mm



Item #
3210



Air Blow Gun, Aluminium Diecast Body

- incl. 3 tubes 25-100-200 mm



Item #
3215



Air Blow Gun, Aluminium Diecast Body

- heavy duty
- aluminium body



Item #
3212



Air Blow Gun with Flow Regulator

- adjustable air flow
- 110 mm nozzle
- material: aluminum alloy
- air supply can be attached to handle or top of the gun
- non-slip handle
- includes 1/4" air connector
- max. pressure 10 bar, operating pressure 6.3 bar
- noise level: 86 dB
- air consumption: up to 320 l/min



Item #
8706



Air Blow Gun with Venturi Nozzle

- the Venturi nozzle increases the air flow rate many times, making it easier to loosen dust



Item #
8538



Air Blow Guns

- chrome plated seamless steel tube
- nylon fibre body with trigger
- 1/4" PT



Item #	Description
3208	Air Blow Gun, Length 100 mm
3207	Air Blow Gun, Length 250 mm
3202	Air Blow Gun, Length 330 mm



Air Blow Gun, 165 - 300 mm

- length: 165 - 300 mm (adjustable)
- working pressure: 6.2 - 8 bar (90 - 120 psi)
- max. pressure: 15 bar (217 psi)
- air inlet: 1/4"
- noise: max. 73 dBA



High Performance Air Blow Gun with Venturi Nozzle

- with long steel pipe for blowing air into tight, confined spaces
- with venturi nozzle for higher air flow
- tube length: 290 mm



Air Paint Gun, 500 ccm

- 1.5 mm spray valve
- universal head: round, wide, flat
- air consumption: at 3 bar = air flow rate 120 l/min
at 5 bar = air flow rate 200 l/min



Mini Paint Spray Gun, 120 ccm

- aluminium body
- chromed surface
- PP cup 120 ccm, with filter
- stainless nozzle (0.8 mm)
- air inlet: euro type quick connector



Item #
3315



Air Paint Spray Gun

- suitable for painting car and machine parts
- aluminium body
- chromed surface
- 500 ccm cup, with filter
- stainless nozzle (1.4 mm)
- air inlet: Euro type quick connector
- max. pressure: 87 PSI
- working pressure: 30 to 43 PSI
- air consumption: 14.5 cfm
- noise level: 74.8 db(A)
- temperature range: 5 to 40°C



Item #
3317



Air Spray Gun Set

- perfect for paint repairs and repainting cars, trucks, machinery and other surfaces
- includes:
 - 1 HLVP spray gun for painting small surfaces cup size 125 ml, nozzle size 0.8 mm, weight 230 g
 - 1 HLVP spray gun for painting large surfaces cup size 600 ml, nozzle size 1.3 mm, weight 490 g
 - 1 pressure regulator with gauge
 - 1 cleaning brush
 - 1 multifunction wrench
- maximum pressure: 4.8 bar (70 psi)
- recommended operating pressure: 1.4 - 3.45 bar
- aluminium body
- air connection 1/4"



Item #
8381



Air Spray Gun, 1000 ccm

- for detergent and solvent



Item #
3204



Airbrush Gun

- adjustable spray pattern
- for 1/4" air hose
- 1.0 to 3.5 bar
- various accessories:
 - nozzle holder
 - hose
 - tanks
- nozzle diameter: 0.35 mm

Item #
3276



24-piece Spray Gun Cleaning Kit

- 3 large brushes
- 5 mini brushes
- 2 aluminum holders
- 6 micro needles
- 1 brass brush
- 1 large cleaning brush
- 1 plastic bottle with special lubrication fluid for air spray guns

In storing case

Item #
3270



Air Spray Gun

- for detergent and solvent

Item #
3220



Air Underbody Coating Gun

- fits on all standard cartridges
- incl. flexible 600 mm air hose

Item #
3203



Air Sandblasting Cabinet, illuminated

- for sandblasting / cleaning of surfaces with e.g. dry glass beads or plastic granule abrasives
- suitable for part size up to 66 x 53 x 49 cm
- sealed cabinet with lid and viewing window, mounted gloves and cabinet air filters, to prevent the escape of abrasive material
- saves blasting material, prevents workplace contamination
- includes blasting gun and 4x different nozzles, replaceable protective film for viewing window
- working pressure: 6.2 bar
- dimensions:
W585 x H(front 415) (rear 485) x D495 mm



Item #
8717



Pneumatic Sand Blasting Cabinet, large

- for sandblasting / cleaning of surfaces with e.g. dry glass beads or plastic granule abrasives
- sealed cabinet with lid and viewing window, mounted gloves and cabinet air filters, to prevent the escape of abrasive material
- saves blasting material, prevents workplace contamination
- includes blasting gun, 4 nozzle sizes (4, 5, 6, 7 mm) and mounted protective gloves
- illuminated sand blasting area (230V)
- working pressure: 4.1 - 8.6 bar (60 - 125 psi)
- overall dimensions incl. legs:
(WxDxH) 860 x 570 x 1390 mm
- working space: 840 x 550 x 350/550 mm
- weight: 51 kg



Item #
8841



Sand Blaster Gun

- with 100 cm rubber feeding hose, inner-Ø 10.5 mm
- 1/4" air connection
- nozzle size: 6 mm
- incl. 6 mm replacement nozzle
- operating pressure: min. 6 bar / max. 8 bar
- air consumption: 15 cfm at 87 psi
- noise level: LpA: 90 dB (A) / LwA: 101 dB (A)



Item #
8382



Blasting Sand 46# (Fepa 220)

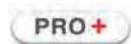
- content: 395 ml blasting sand



Item #
8593-1

Air Sander Set

- perfect for all applications around the car body and all other metal surfaces
- can be used with brown aluminum oxide and grain sizes from 46 - 100
- for removing old paint, rust, dirt etc.
- 4 different caps included
- easy-to-use:
 1. fill about 1/3 of the bag with shot
 2. chose an appropriate cap
 3. connect to your air compressor
 4. start sandblasting
- for 1/4" air hoses
- working pressure: 4-12 BAR
- air consumption: 350 l/min.



Item #	Description
3243	Air Sander Set
3243-TASCHE	Sandblast Bag for BGS 3243



Air Sander Set

- heavy duty ABS-body
- sand container can keep up to 600 cm³, can be used with brown aluminum oxide and grain sizes from 46 - 100
- 1/4" air inlet, air consumption 3,3 liter / sec.
- 5 mm steel tip



PRO+ CE

Item #	Description
3244	Air Sander Set
3244-1	Replacement Tips for Sand Blasting Gun BGS 3244

Twister Gun

- for cleaning heavily soiled surfaces
- suitable for all types of mixing cleaners
- with integrated shut-off valve also suitable for drying after cleaning
- max. working air pressure: 8.5 bar
- air consumption: 310 l/min
- tank capacity: 1 litre



Item # 3277 PRO+ CE

Air Grease Gun, 400 ccm

- capacity 400 ccm
- incl. flexible and rigid delivery tubes
- 1/4" air connection

PRO+

Item #	Description
3236	Air Grease Gun, 400 ccm
3236-1	High-Pressure Hose Made of Flexible Nylon for BGS 3236



Air Caulking Gun, for 310 ml Cartridges

- for permanent sealing materials, adhesive paste, groove sealants etc.
- for paper, aluminum and plastic cartridges
- with pressure release, avoids material leakage
- controller for quantity adjustment



Item # 3514 PRO+ CE

3-in-1 Air Multi-Functional Tool

- versatile 3-in-1 air tool: Delta Sander - Saw - Scraper
- powerful operation
- perfect for working in hard to reach areas and close to corners
- triangular sanding pad: 3" (45°)
- diamond cutting disc
- air pressure: 90 psi
- air inlet: 1/4" -18 NPT
- maximum oscillations: 18,000 rpm
- air consumption 6.0 cfm
- noise LpA: 86 dB(A) - LwA: 97 dB(A)
- vibration: 3,62 m/s²

PRO CE

Item #	Description
8580	3-in-1 Air Multi-Functional Tool
8580-2	Abrasive Pads for BGS 8580



Saw Blade for BGS 8580, straight

Item # 8580-1 PRO



Scraper Set for BGS 8580

Item # 8580-3 PRO



Saw Blade for BGS 8580, offset

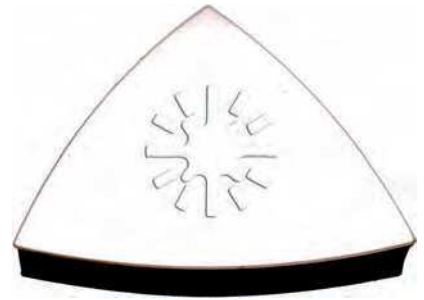
Item # 8580-4 PRO



other Air Tools

Abrasive Pad Holder for BGS 8580

Item #
8580-5



Air Nibbler

- for cutting a wide range of material up to 1mm thickness cleanly (e.g. sheet metal)
- air consumption 120 l/min



Item #	Description
3237	Air Nibbler
3237-2	Replacement Blades for Air Nibbler BGS 3237



Air Spot Welding Cutter

- new model with guiding lever
- incl. 4 drills/cutters
- air consumption 170 l/min



Item #	Description
3205	Air Spot Welding Cutter
3205-1	4-pc. Milling Cutter Set for BGS 3205
3205-2	Ironing from BGS 3205



Combination Air Nailer, 50 mm

- suitable for brads 10 - 50 mm (18GA) and narrow crown staples 16 - 40 mm (18GA)
- air inlet: 1/4 npt
- operating pressure: 58 - 116 psi
- max. pressure: 120 psi
- air consumption: 1,4 l/min (4 bar)
- noise level: LpA = 79,9 dB(A)
LwA = 92,9 dB(A)
- magazine capacity: 100 pcs.

Item #
32801



Combination Air Nailer, 32 mm

- suitable for brads 15 - 32 mm (18GA) and narrow crown staples 16 - 32 mm (18GA)
- air inlet: 1/4 npt
- operating pressure: 58 - 100 psi
- max. pressure: 120 psi
- air consumption: 0,9 l/min (4 bar)
- noise level: 78 db
- magazine capacity: 100 pcs.

Item #
32802



Air Nailer, 16 mm

- suitable for brads 6 to 16 mm (21GA)
- air inlet: 1/4 npt
- operating pressure: 58 - 100 psi
- max. pressure: 120 psi
- air consumption: 0,5 l/min (4 bar)
- noise level: 82 db
- magazine capacity: 140 pcs.

Item #
32803



Air Edge Setter / Hole Punch Pliers

- length 245 mm
- stampØ 5 mm
- punches up to 1.5 mm thickness
- also suitable for stainless sheets
- air consumption 113 l/min

Item #
3255



Air Riveter

- for easy and quick riveting
- suitable for aluminum rivets in sizes 2.4 - 3.2 - 4.0 - 4.8 mm
- pulling power: 720 Kg
- air consumption: 0.86 l/min
- stroke: 14 mm
- air inlet: 1/4"
- working pressure: 6.2 bar



Item #
3284



Air Angle Drill

- suitable for working in confined spaces for e.g. drilling out broken screws on engines, etc.
- chuck size: 10 mm (3/8")
- length: 195 mm (7-11/16")
- air pressure: 6.2 bar (90PSI)
- air consumption: 105 L/min (3.7 CFM)
- free speed: 1.800 RPM
- air inlet: 1/4"
- hose size: 10 mm (i.d.) (3/8")
- weight: 0.9 kg (2.0 lbs)



Item #
8471



7-piece Air Hammer Kit, for 10 mm round chisel

- suitable for work on car body and for mechanics
- includes:
 - 4 chisel with different profiles
 - quick release head
 - plastic coated air hammer
- specifications:
 - strokes per minute: 3,500
 - air consumption: 179 l / min
 - chisel shank: round, 10 mm
 - stroke: 67 mm
 - working pressure: 6.2 bar
 - air connection: 1/4 "
 - length: 170 mm
 - weight: 1.60 kgs
- especially suitable with Vibro Chisel Set BGS 8436



Item #
3515



Impact Chisel Set

- ideal for loosening rusty bolts and components
- chisels have different profiles to facilitate dismantling
- using these tools has a rust-removing effect and ensures deep entering of rust removers
- suitable for ball joints, bearings, bushings, sleeves etc.
- for all air chisel with 10 mm 6-pt. and round adaptor, e.g. BGS 3515

Item #
8436



Vibro Air Hammer Head

- allows loosening of rusted track rod nuts
- improves the entering of rust remover spray
- C-frame prevents slipping of the nut
- for using with pneumatic hammer, e.g. BGS 3515
- heavy duty construction
- length: 190 mm
- width: 65 mm
- clear width: 27 mm
- 10 mm shaft diameter

Item #
8800



Air Needle Scaler

- ideal for removing rust and paint
- stroke speed: 4000 bpm
- air pressure: 90 psi (6.2 bar)
- air consumption: 7.0 cfm (198 l/min)
- air inlet: 1/4"
- weight: 4.19 lbs (1.90kgs)
- length: 13" (330 mm)



Item #	Description
8540	Air Needle Scaler
8540-1	Repair Kit for Needle Scaler BGS 8540



Air Tool Kit

contents:

- 1 tire inflator with gauge
- 1 blow gun
- 1 air hose
- 1 spray gun, ideal for most spray shop applications
- 1 paraffin/washing gun

All parts manufactured from aluminium diecast

Item #
3214



Air Brake Piston Wind Back Tool

- for left- & right-side threads,
- the direction is determined by moving the angled lever at the end of the hydraulic spindle
- fits for all thread pitches
- to be used with BGS item # 1115, 1117, 1119, 1127
- 1/4" air hose adaptor



Item #
1118



3 Sawing Blades for Air Body Saw Item# 3260

- one blade each 18-24-32 tooth
- made from high grade bi-metal
- cuts up to 1.2 mm thickness
- blade length 95 mm



Item #
3261



CV Boot Air Assembly Tool

- solid Aluminum construction
- 20-115 mm spread (adjustable)



Item #
162



Air "Window Seal Cutter"

- easy removal of glued car windows
- incl. screwed hose and knife
- 1/4" BSP
- air consumption 113 l/min



Item #
3218



Spare Cutting Knives for Air "Window Seal Cutter" BGS 3218

for BGS 3218 (Air Window Remover)

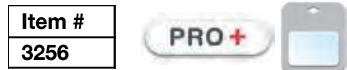


Item #	Description
3219	Spare Knife, straight, 52x1 mm (1 piece)
3257	2 Spare Knives, half round, 2x24 mm, for Art. 3218
3258	2 Spare Knives, half round, 2x36 mm, for Art. 3218



7-piece Cutting Knives Set for Air "Window Seal Cutter" BGS 3218

- for BGS 3218 (Air Window Remover)



17-piece Micro Air Grinder Kit

- 54.000 speed /min
- 1/4" air hose connection
- air consumption 0,143 m3/min
- 90 PSI air pressure required
- various grinding stones and automatic oiler included



170 mm Air Die Grinder Short

- heavy and robust extended air die grinder for universal use
- for contour grinding, cutting, polishing, shaping, deflashing and keying
- capacity 1/4" (6 mm)
- shaft size 5" (127 mm)
- free speed 22000 RPM
- required air pressure 90 PSI / 6.2 Bar
- air inlet 1/4" (6.3 mm)
- average air consumption: 127 l/min
- overall length 170 mm (6.7")
- net weight 600g



340 mm Extended Air Die Grinder

- heavy and robust extended air die grinder for universal use
- for contour grinding, cutting, polishing, shaping, deflashing and keying
- capacity 1/4" (6 mm)
- shaft size 5" (127 mm)
- free speed 22000 RPM
- required air pressure 90 PSI
- air inlet 1/4" (6.3 mm)
- average air consumption: 127 l/min
- overall length 13.4" (340 mm)
- net weight 2.90 LBS (1300g)



155 mm Air Die Grinder 90° Angle

- heavy and robust extended air die grinder for universal use
- for contour grinding, cutting, polishing, shaping, deflashing and keying
- capacity: 1/4" (6 mm)
- shaft size: 127
- free speed: 18,000 RPM
- required air pressure: 90 PSI / 6.2 BAR
- air inlet: 1/4"
- average air consumption: 99 l/min
- length: 155 mm
- weight: 790 g



Item #
3269



Air Cutter, 75 mm

- handy, short design
- adaptor for following cutting discs included:
3" Ø, 3/8" bore, 1/16" thickness
- free speed: 20,000 rpm
- average air consumption: 4.5 CFM
- required air pressure: 90 PSI
- air inlet: 1/4"
- recommended air hose: 3/8" (inside diameter)
- overall dimensions: 185 x 80 mm
- weight: 0.78 kg



Item #	Description
3286	Air Cutter, 75 mm
3286-1	Cutting Disc, 75 mm

Air Grinder / Cut Off Tool, 310 mm

- lightweight aluminum housing
- 2-component soft handle
- steel guard protects you from sparks
- lever block trigger for safety
- with rear exhaust
- cutting disc size: Ø 75 mm
- cutting disc bore: Ø 10 mm
- working pressure: 90 psi
- air inlet: 1/4"
- max. speed: 18,000 rpm
- length: 310 mm



Item #
3287



Air Separation Tool, extra long, flat Head

- cutting disc: Ø 100 mm / 4" adapter Ø 16 mm
- free speed: 15000 rpm
- air pressure: 6.2 bar / 90 psi
- air consumption: 88 L/min
- air inlet: 1/4"
- hose size: 3/8"
- length: 376 mm
- weight: approx. 1.4 kg
- noise: LpA = 85 dB(A)
LwA = 88 dB(A)
- vibration: K = 0,6 m/s²
- head height including spark protection 60 mm
- cutting disc available under BGS item Nr. 3266

Item #
3268



Air Angle Sander

- 30, 50 and 70 mm velcro disc holder, shaft M6 x 1
- rotation speed: 14,000 rpm
- length: 185 mm
- weight: 830g
- max. working pressure: 6.2 bar
- air connection: 1/4"
- air consumption: 127 l/min



Item #	Description
3291	Air Angle Sander
3291-30	Ø 30 mm Velcro Pad for BGS 3291
3291-50	Ø 50 mm Velcro Pad for BGS 3291
3291-70	Ø 70 mm Velcro Pad for BGS 3291



Air Eccentric Grinder

- 150 mm velcro holder for polishing and grinding discs
- rotation speed: 10.000 rpm
- max. working pressure: 6.2 bar
- air connection: 1/4"
- length: 225 mm
- weight: 1900g
- air consumption: 142 l/min



Item #	Description
3290	Air Eccentric Grinder
3290-1	Ø 150 mm Velcro Pad for BGS 3290



Air Eccentric Sander

- for sanding surfaces
- with air hose and dust bag
- sanding pad: Ø 6"
- free speed: 10000 rpm
- sanding stroke: 5 mm
- air inlet: 1/4"
- air suction hose: 3/8"
- grinding wheel adapter with 6 suction holes
- air consumption: 4.5 cfm
- working pressure: 6.3 bar
- length: 225 mm
- weight: 1 kg



Item #
8688



Air Eraser with Hoover Connection

- for the proper removal of stickers, adhesive residue and films on smooth surfaces and coatings
- specially designed for use on vehicles
- also for use on aluminum, metals, glass and plastic
- after working, surfaces are polished
- especially suitable for professional vehicle preparation
- with 28 and 34 mm hoover connection
- includes adaptors for:
 - 110 mm abrasive cleaning fleece, 110 mm erasers and adaptation for round steel brushes
- air pressure: 90psi
- speed: 4000 rpm



Item #	Description
3274	Air Eraser with Hoover Connection
3274-1-1	Wire Brush 103 x 23 x 0.5, straight for BGS 3274
3274-1-2	Wire Brush 103 x 23 x 0.5, bent, for BGS 3274
3274-1-3	Wire Brush 103 x 23 x 0.7, bent, for BGS 3274
3274-2	Sanding Wheel 115 mm, for BGS 3274
3274-3	Eraser Wheel 105 x 30 x 53 mm, for BGS 3274
3274-4	Wire Brush Adapter for BGS 3274

Pistol-Grip Air Inflator

- aluminium diecast
- with flexible 400 mm hose
- 270° pressure gauge
- working pressure: max. 115 psi (8 bar)



Item #
3201



Pistol-Grip Air Inflator, calibrated

- made in Europe, calibrated
- operating range: 0-10 BAR
- rubber coated test gauge
- length of hose: approx. 400 mm
- scale diameter 56 mm

Item #
55400



Pistol-Grip Air Inflator with Gauge, 0 -12 bar

- pressure gauge range: 0-12 bar, 0.1 bar steps
(0-174 psi, 2 psi steps)
- pressure gauge diameter: 80 mm
- hose length: 540 mm
- dimensions (without hose): 230 x 100 x 110 mm

Item #
3242



Pistol-Grip Air Inflator, calibrated

- made in Europe, calibrated
- operating range: 0-10 BAR
- rubber coated test gauge
- Length of hose: approx. 540 mm
- scale diameter 56 mm

Item #
55410



Tire Inflating Device, 0-11 bar

- inflating connection separate from inflating handle
- pressure gauge is protected by aluminum housing
- offset inflating nozzle
- hose between the inflating connection and housing coated with protective spring
- pressure gauge scale 0-11 bar / 0-160 psi
- heavy duty finish, tool weighs ca. 1180 g
- length of tool body ca. 260 mm

Item #
55415



Spare Hoses with Adaptor for Air Inflators

- made in Europe
- fits BGS items 3242, 55400, 55410

PRO +

Item #	Description
55401	Spare Hose with Adaptor for Air Inflators, 40 cm
55411	Spare Hose with Adaptor for Air Inflators



Spare Hose with Adaptor for Air Inflators, 100 cm

- fits BGS items 3242, 55400, 55410

Item #
3242-1

PRO



Spiral Air Hose, 10 m

- 1/4" air adaptor with quick release
- hose inside diameter: 6 mm
- hose outside diameter: 8 mm

Item #
3265

PRO



Spiral Air Hose, 10 m

- 1/4" air adaptor with quick release
- hose inside diameter: 8 mm
- hose outside diameter: 10 mm

Item #
66528

PRO



Air Spiral Hose

6.3  1/4

- min. length: approx. 0.9 m
- max. Length: approx. 6 m
- spiral diameter: approx. 60 mm
- hose inside diameter: 5 mm
- hose outside diameter: 8 mm
- with bend protection on the couplings
- rotatable and removeable coupling adapter
- made of durable polyurethane
- max. pressure: 10 bar

Item #
66540

PRO +



Coiled Air Hose, 6 m

- 12 mm outer diameter
- 8 mm inner diameter
- with 1/4" air quick coupler

Item #
66541

PRO +



Air Hose, 10 m, Internal Diameter 6 mm

- 1/4" BSP
- 20bar / 290psi maximum pressure

Item #
3250

PRO



Retractable Air Hose Reel, 15 m

- suitable for mounting on wall, floor and ceiling
- with hose stop, auto retracting
- hose diameter: inside 9.5 mm, outside 17 mm
- hose length: 50'
- air inlet (F): 1/4" German type quick coupling
- air outlet (M): 1/4" German type quick coupling
- maximum pressure: 300PSI
- maximum air flow: 25 CFM
- made of steel sheet
- hose made of NBR rubber

Item #
8584

PRO +



Air Hose with Automatic Rewinder, 12 m, High Quality Finish

- with wall holder
- 1/4" plug
- hose diameter 8 mm / 12 mm (internal / external)
- solid metal housing



PRO +

Item #	Description
3252	Air Hose with Automatic Rewinder, 12 m, High Quality Finish
3252-1	Replacement Quick Coupler for BGS 3252

Air Filter/Oiler Unit with Pressure Regulator

- for filtering and oiling of compressed air
- can be screwed on a wall
- max. pressure: 15 bar (220 psi)
- air inlet and outlet: 1/4" thread
- pressure gauge adjustable 0 to 10 bar (0 - 150 psi)
- oil adjustable in 10 steps



Item #
8603

PRO



Air Pressure Regulator, 0.275 - 11 bar

- continuously variable from 0,275 - 11 bar
- protects air tools by reducing the air pressure from the compressor
- can be mounted directly on the air tool or connected to the compressor / air distributor
- dimensions: 33 x 45 x 55 mm



Item #
3263

PRO +



Exhaust Air Hose for Air Tools, 530 mm

- keeps dirty air away from the car
- lowers the noise level
- suitable for BGS item# 3233, 3235, 3245



Item #
68010

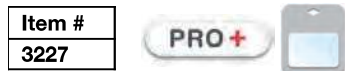
PRO +

Mini Oiler, 1/4" BSP



Coupling, 1/4" internal Thread

- for air hoses
- ball headed joint
- 360° turnable



Nipple, 1/4" external Thread

- for various air tools



Coupling, 1/4" external Thread

- for air hoses
- ball headed joint
- 360° turnable



Air Quick Coupler

- brass
- for standard air hoses
- 6 mm long nipple



Air Nippel, 1/4"

- wear part for air inflators
Art. 3201, 3241, 55400, 55410
- fixed with hose clamp (not included)



Cordless Angle Grinder, 20V 1500 mAh Li-ion

- for cutting and grinding
- powerful, lightweight and well-balanced
- for cutting disc size: 115mm
- max speed: 7000 rpm
- dimensions (case): 355 x 130 x 300 mm
- machine weight: about 1.5 kg
- weight with case: about 3.8 kg
- noise level: LPA 76.2 dB(A)
LWA 87.2 dB(A)
- vibration level: ah = 4.272 m/s² (K = 1.5 m /s²)
- battery: Li-ion 20V (1500 mA)
- charger: 230 V AC



PRO +

Item #	Description
9258	Cordless Angle Grinder, 20V 1500 mAh Li-ion
9258-1	Spare Battery 20V Li-Ion for Cordless Angle Grinder BGS 9258
9258-2	Quick Charger for Cordless Angle Grinder BGS 9258

10.8 V Cordless Drill, with 2 Li-Ion batteries

- 10.8V DC handy cordless drill driver
- set includes:
- **cordless drill**
 - no-load speed: 0-800 U/min
 - max. torque: 81kg-cm (8.1ft-lb)
 - no-load current: 2.2A
 - weight (without battery): 0.75 kgs
- **charger**
 - for gentle charge at all states of charge
 - charging time: 1 hour (with automatic shut-off)
- **2 Li-Ion batteries**
 - low self discharge
 - suitable for quick charging
 - powerful and durable



Item #
9931

PRO + CE

10,8V Li-Ion Replacement Battery for BGS 4018, 4019, 9931, 8496



Item #
9916

PRO + CE

Electric-powered tools

5-piece Battery Ratchet Set, in tool tray for roller cabinets

- suitable for automotive workshop use
- professional devices with aluminum housing
- ratchet mechanism made of hardened steel
- right-and left running, adjustable at ratchet head (like a manual ratchet)
- includes:
 - 6.3 mm (1/4) - 10 (3/8) and 12.5 (1/2) ratchet
 - 2 high-capacity battery
 - an electronically controlled charger for gentle charging at any charge state with automatic shutdown
- specifications:

- drive size:	1/4"	3/8"	1/2"
- idle speed:	220 rpm	180 rpm	180 rpm
- max. torque:	34Nm	62Nm	62Nm
- weight:	980 g	1330 g	1330 g
- voltage:	10.8 V	10.8 V	10.8 V
- battery weight: 185 g
- battery voltage: 10,8V
- charging time: 1hour
- tray size: 285 x 405 mm (1/2 drawer)



Spare Battery Li-Ion available as BGS 9916
Spare Charger available as BGS 9917

Item #
4018



8-piece Li-Ion Battery Polisher and Grinder Set, in tool tray for roller cabinets

- suitable for automotive workshop use
- tray size: 285 x 405 mm (1/2 drawer)
- includes:
 - 1 grinder - 1 polisher - 1 work lamp
 - 2 high-capacity batteries
 - electronically controlled charger for gentle charging at any charge state with automatic shutdown
- specifications:

	polisher	sander
- voltage:	10.8 V	10.8 V
- speed:	3000 rpm	22000 rpm
- torque:	350 kg-cm	630 kg-cm
- weight:	875 g	805 g
- velcro disc:		73 mm

	work lamp
- voltage:	10.8 V
- brightness:	160 / 35 lux
- burn time:	9 / 35 h
- weight:	433 g

	battery
- weight:	185 g
- voltage:	10.8 V Li-Ion
- charging time:	1 hour
- tray size: 285 x 405 mm (1/2 drawer)



Spare Battery Li-Ion available as BGS 9916
Spare Charger available as BGS 9917

Item #
4019



Cordless Impact Wrench 530 NM

12.5  1/2

- max. torque: 530 NM
- weight: only 3.2 kg
- dimensions: 254x80x269 mm (LxWxH)
- powerful 19.2 V motor, air cooled
- solid impact gearbox, speed adjustable
- free-wheel speed: 0-1800 RPM
- production approved by ISO 9001
- long life due to metal gearbox body
- ergonomically shaped soft grip for convenient extended use
- for loosening and tightening up to 160 wheel nuts with just one fully charged battery
- incl. one rechargeable battery 19.2 V (NI-CD), 2.0 AH and an one-hour-quick-charger
- manual included

In strong blow mould carrying case



PRO+



Item #	Description
9905	Cordless Impact Wrench 530 NM
9902	1-Hour Quick-Charger for Impact Wrench 9905
9901	Rechargeable Battery for Impact Wrench 9905

Plastic Repair Kit, cordless

- for repairing cracks in plastic parts bigger than 1 mm thickness
- suitable for plastic material with max. 40% glass fiber content
- for repairing plastic bumpers, panels, brackets, etc.
- includes repairing clamps in V-shape 0.6 mm , U-shape 0.6 mm and U-shape 0.8 mm
- this tools heats up the clamps to a temperature between 100 and 200° C so that they can connect the breaking points and bring back stability
- can also be used for enforcing strongly used areas
- includes: heating unit, charger, battery



Item #
868

PRO+



Digital Electronic Soldering Station

- Ideal for electricians, schools, car electricians and for development and production
- soldering iron holder and cleaning sponge
- digital LCD temperature display simultaneously shows the set and actual temperature
- compact design
- electronic temperature control
- reaches set temperature after a short time
- secure, low operating voltage on soldering iron
- temperature pre-selection by buttons 200°, 300°, 400°
- fine adjustment is done via + and - buttons
- conversion button for switching the unit from °C to °F
- potential equalization socket for protecting sensitive components
- error appears on the display and by an audible signal
- power supply: 220 to 240 volts (50Hz)
- fuse: T1 A/250 V 50 x 20 mm glass tube
- temperature range: 150 °C to 450 °C
- soldering iron power: 48 Watt (24V)
- temperature display: LCD display 2x 3 ½ digits
- display area: 150 °C to 450 °C.
- accuracy: 5% Air pressure: 600 hPa to 1000 hPa
- working temperature range: +5 °C to +40 °C
- relative humidity: 85%
- weight: ca.1800g
- dimensions: 210 x 125 x 135 mm



Item #
8612



Electric Soldering Iron, 60 Watt

- suitable for soldering of up to 6 mm² cables
- flat, coated tip



Item #
9948



Professional Cordless Caulking Gun, LI-ION, 10.8 V

- durable industrial seal gun for silicone, acrylic, grease, assembly adhesives, etc.
- with 10.8 V LI-Ion Accu
- additional batteries available under BGS 9916
- suitable for 400 ml cartridges or bags
- allows quick and clean application
- automatic reverse function avoids pressure in the system and prevents the leakage of liquids
- adjustable feed speed from 1 - 5.0 mm/s
- gear rack pushing bar
- one battery charge allows processing of multiple silicone cartridges
- thrust power: 450 kg
- weight: 2.2 kg
- contents: dispensing gun, battery, charger



Item #
8496



Rechargeable Grease Gun, 12V

- 3-way loading: Cartridge + Bulk + Pump
- maximum working pressure: 6.000 psi / 420 bar
- 750 mm flexible hose
- with spring guard
- self-locking trigger
- battery capacity display
- 12 V / 1,7 Ah NiCd rechargeable battery
- incl. additional battery
- quick charger
- grease reservoir
- capacity: 14,5 oz
- grease output: 2,6 oz / min. at 1000 psi

Rechargeable battery allows mobile working - ideal for cars and machines, perfect equipment for all service teams.



PRO +



Item #	Description
3145	Rechargeable Grease Gun, 12V
3145-3	Charger for Grease Gun BGS 3145
3145-1	Replacement Battery for Cordless Grease Gun BGS 3145
3145-2	Replacement Hose with Nozzle for BGS 3145

Hot Air Gun 2000 Watt

- suitable for:
 - shrinking of shrink down tubing and packaging
 - soldering of non insulated cables and cable lugs
 - loosening of uninsulated solder joints
 - forming and welding of plastics
 - drying of surfaces
 - acceleration of adhesive processes
 - de-frosting of icy stairs, steps, door locks, etc.
 - removing old paint
 - disinfection of surfaces
- heating of engines and transmission parts for assembly
- voltage: 230V
- max. power: 2000W
- temperature: adjustable by handwheel up to 600°C



Item #

8495

PRO +



Induction Heater

- Principle of operation:
There is an alternating magnetic field.
The metallic object (e.g. nut), in the induction coil, acts on the induced eddy currents as an electrical resistance and thus heats up.
- allows heating of screws / nuts without severely heating surrounding components or even destroying them, as it is often the case when heated with a torch
- within the shortest possible time, e.g. rusty nuts are heated and can be loosened
- using for e.g. ball joint pinch bolts and other items on axle and engine
- also for heating components such as bearings
- includes the following induction coils
inductive coil 19 mm, 220 mm long (for \varnothing 10-16 mm)
inductive coil 27 mm, 220 mm long (for \varnothing 17-24 mm)
inductive coil 50 mm, 235 mm length (for heating small surfaces)
formless coil, 780 mm, for heating of components (bearings, etc.)
- power supply: ~230V (50-60Hz)
- current: 7.5 Amps
- max. power: 1.5 kw
- protection class IP20
- dimensions: 200 x 140 x 75 mm
- weight 4.5 Kg



Electric-powered tools



Item #
2169



Battery Booster Cables

- TÜV / GS approved
- insulated clips



Item #	Description
9610	Battery Booster Cables, 200 amp. (16 mm ²), Length 3 m
9611	Battery Booster Cables, 400 amp. (25 mm ²), Length 3.5 m
9612	Battery Booster Cables, 600 amp. (35 mm ²), length 3.5 m

Overvoltage Protection, 12 V

- prevents from dangerous overvoltage when welding
- rubber coated clamps and cable
- length of cable: 195 mm



Tow Rope, max. Rated Load 2000 kg

- elastic and extendable length: 1,5 - 4m
- colour: white-blue
- attachable via heavy duty springloaded safety lock hook at each end of the rope



3-piece Towing Brace, Length 1.80 m

- new model
- sq. head tubular shaft
- up to 2000 kg total weight



Battery Booster Cables / Towing

Web Slings

- double tube standard EN1492-1
- length: 300 cm
- material: polyester

PRO +

Item #	Description
9661	3T Web Sling, 3m
9662	5T Web Sling, 3m



Power Puller

- not to be used for lifting !

PRO



Item #	Description
3480	Power Puller, 500 daN
3482	Power Puller, 1000 daN



Battery Lifter

- easy lifting and carrying of all kinds of batteries
- adjustable size from 110 to 180 mm
- max. capacity: 35 Kg

Item #
3230

PRO +



Battery Emergency Switch, 300A

- for separating the battery from the electrical system
- is used in motor sports, construction machines
- prevents battery drain
- 2 mounting holes
- protective cap prevents entry of moisture
- incl. 2 keys with hole for operating cable

Item #
80756

PRO +



Battery Adaptor

- for disconnecting the battery during longer period of not using it
- can also be used to prevent theft of a car
- max. current: 250 A

Item #
1414



Battery Adapter, angled

- for disconnecting the battery when not used for a prolonged period
- can also be used to prevent theft of a car
- suitable for batteries with round terminals
- max. current: 250 A

Item #
1415



Battery Adapter, flat

- for disconnecting the battery when not used for a prolonged period
- can also be used to prevent theft of a car
- suitable for batteries with flat terminals
- max. current: 250 A

Item #
1416



Anti Slip Rubber Mat, 122x61 cm

- all purpose
- with amazing anti slip function - all things stay in their place
- rubber mat can be cut to the size you need
- tearproof, shockproof and easy to clean

Item #
65701



Voltage Converter 12V to 220V with 5V USB Plug

- allows operation of 220/230V devices in cars, boats, and on motorcycles
- additional USB charging socket for charging e.g. MP3 players, mobile phones, navigation, etc.
- with overload protection, this is indicated by a red LED
- specifications:
 - input voltage: 10.5 to 15.5 volts
 - output voltage: 220V ~ 50Hz
 - power: 60 watts constant
 - USB output: 5V 100mA

Item #
63528



12 Volt Oil Pump

- max. flow rate for engine oil approx. 0,2l /min
- ideal equipment for quick and clean oil-changes
- the oil-pump works by connecting the clamps to the 12V car battery
- can remove 100% of the used oil if inserted through the dipstick opening
- complete with all necessary accessories

- not suitable for fuel and other easy flammable fluids



Item #
9910

PRO+ CE

Hose Pump

- Pump off quickly and safely - without electricity
- the flexible hose pump is a pump for decanting water, diesel fuel and cleaning agents as well as other types of chemicals
- no manual suction necessary, which means no danger of swallowing unpleasant smelling or tasting liquids.
- 12 mm inner diameter, 17 mm outer diameter
- 180 cm hose length

Just follow these three easy steps:

1. Place the suction head in the liquid which should be a higher level and other end of the tube in a container below it.
2. Move the suction head quickly up and down a few times
3. The liquid will automatically begin to flow through the tube.

- not suitable for fuel and other flammable fluids



Item #
4066

PRO

Emergency Pump

- for transfilling e.g. oil, water, antifreeze, etc.
- astonishingly effective
- hose length approx. 1,75 m
- hose inner diameter: 9 mm

- not suitable for fuel and other flammable fluids



Item #
4064

Yellow Warning Light, H1 Bulb

- 12 V connection
- quality H1 bulb
- magnetic base
- 360° rotating
- check traffic rules in your country before use



Item #
9762

PRO