

Pullers, Reversible Twin Leg

- forged
- chrome plated

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
- chrome plated

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+



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

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 drive pulling legs
- Ø 16 mm spindle with centering ball 24 mm drive

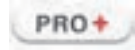


Item #
8273



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

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



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



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



Windscreen Wiper Arm Puller

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

Item #
9974



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



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, E65, E66, E67, E85, RR1
- adjustable plate



Item #
9966



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

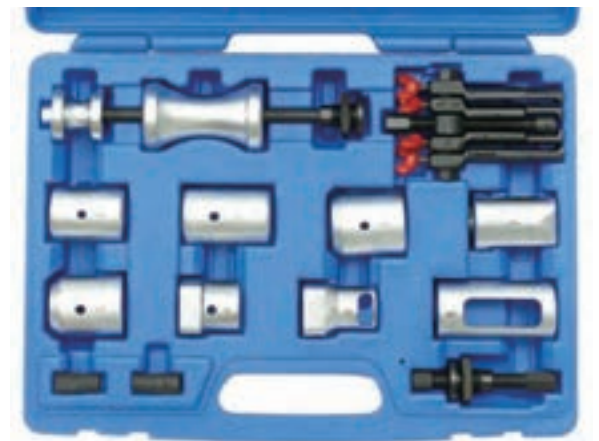


Item #
7758



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



Item #
65700



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



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



10 ton Hydraulic Puller Set

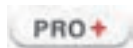
- hydraulic ram
- each 3 legs in following lengths: 100, 150 und 200 mm
- one twin head and one triple head
- 2 extension rods
- separator from 20-105 mm
- loose separators see art. 7742

Item #
7729



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



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



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

PRO+



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

Item #
7734

PRO+

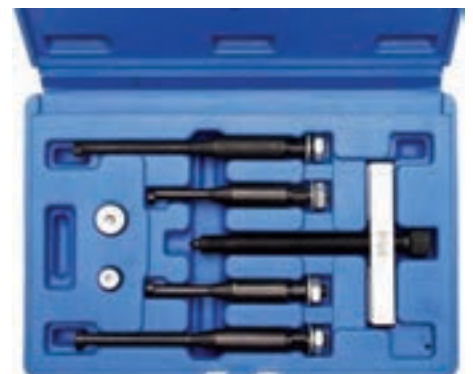


8-piece Steering Wheel Puller Set, 87+153 mm

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

Item #
7752

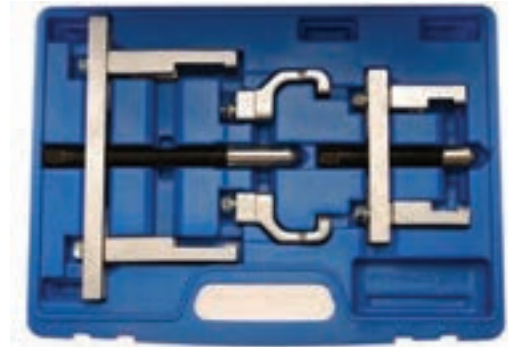
PRO+



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



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, AQQ
- 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



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



10-piece Bearing Puller Set

- interchangeable heads, Ø 5, 6 and 8 mm
- max. range 100 mm

Item #
7744



Separating Knife and Bearing Puller Set

- facilitates disassembly of bearings
- 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



Ball Bearing Separators

- HRC 42-45°
- forged
- chrome plated



Item #	Description
7741	Ball Bearing Separator, 30-50 mm
7749	Ball Bearing Separator, 50-75 mm
7742	Ball Bearing Separator, 75-105 mm

14-piece Splitting Knife Set for Ball Bearing Assemblies

- incl. shifter
- incl. 2 splitting knives: 32-56 mm and 56-78 mm
- for removing bearings, internal rings and other tightly and narrowly mounted parts



Item #
7750

Pullers

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



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

In carrying case

Item #
62610



6-piece Drive Shaft Socket Set

125 \square 1/2

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

Item #
5334



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



Pullers / Drive Shaft / Hub

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



Front Hub Puller, 100-115 mm

- for flanges with 4 and 5 hole with a hole distance of 100 to 115 mm
- carbon Steel
- thread size up to M14



Item #
7733



Wheel Bearing Puller with Sliding Hammer

- for flanges with 4 and 5 hole
- hole distance of 100 to 115 mm
- thread size up to M14
- 4kg sliding hammer
- length 570 mm



Item #
7735



Sliding Hammer for Item # 7712, 7733

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



Item #
7719



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
- thread size up to M14

Item #
7712



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



Drive Shaft / Hub

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 #
7774



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

PRO+

Item #	Description
7772	Wheel Hub Puller with Sliding Hammer
7773	3kg Additional Weight for Wheel Hub Puller BGS 7772

Propshaft Separator

- new model
- for separating propshafts
- fits for most car models (except for Seat)

Item #
1518

PRO+



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

PRO+



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

PRO+



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



Chain Pipe Cutters

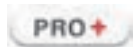
- cuts exhaust pipes with diameters up to 85 mm
- re-adjustable during cutting action via butterfly nut



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

Ratcheting Tube Cutter for Exhaust Pipes

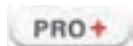
- fits pipes Ø 28-67 mm
- cutting depth 6 mm
- ratchet has 60 teeth, 6° between each click



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

Exhaust Pipe Expander

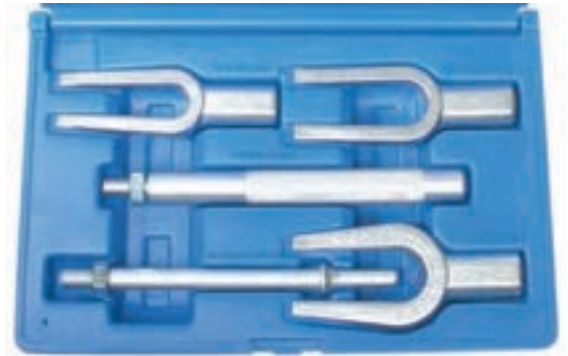
- allows the installation of new exhaust pipes on old exhaust parts



Item #	Description
120	Exhaust Pipe Expander, 38-64 mm
127	Exhaust Pipe Expander, 28-44 mm
128	Exhaust Pipe Expander, 54-89 mm

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
- a) length 300 mm - jaw opening 24.5 mm
- b) length 300 mm - jaw opening 29 mm
- c) length 300 mm - jaw opening 35 mm
- d) length 300 mm - jaw opening 42 mm
- e) length 400 mm - jaw opening 18 mm



Item #
63800



Ball Joint Puller, 18 mm Jaw Opening

- forged
- zinc coated



Item #
1803



Universal Ball Joint Puller

- forged carbon steel
- 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
- all parts hardened
- 19 mm jaw opening

Item #
1807



Ball Joint Separator, 20-22 mm

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

Item #
1795



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, 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
- jaw opening: 20 - 30mm

Item #
8541



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



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

- forged carbon steel



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



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



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



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



Pick-up Truck & Bus Ball Joint Extractors

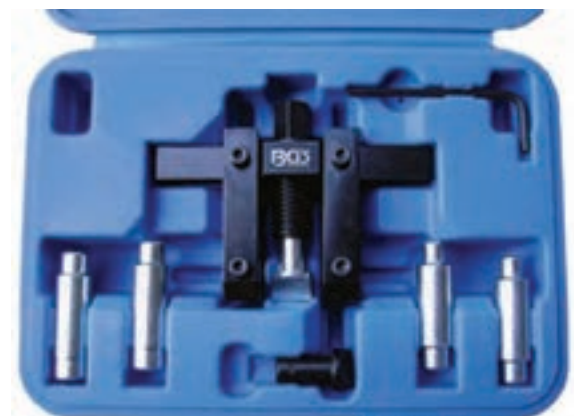
- suitable for cars, light trucks and SUV
- solid execution for long product life time
- hardened pressure spindle and centering tip



Item #	Description
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

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



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



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
- 2 compression heads 40 mm and 54 mm
- 3 pressure pads 22 mm, 33 mm and 57 mm

Item #
8293



Ball Joint Tool Kit / Installer for BMW

- for installing / removing the ball joint on BMW E 36 series
- exchangeable yokes allow multi-purpose use
- can also be used for hydro and plastic bearings

Item #
1525



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



Flywheel Holding Lever

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



Item #
8348



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



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



Item #
1037



Universal Filter Wrench

125  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

Chain Oil Filter Wrench, 1/2", 65-115 mm

125  1/2

- heavy duty finish
- with extremely robust 32 chain links

Item #
1033



Professional Oil Filter Chain Wrench

125  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 Wrenches

- heavy duty tool with duplex chain
- chain width approx. 22 mm
- handle satin chrome plated
- claw prevents slipping
- 180° swivel handle
- ease to use due to special chain-lock



PRO+

Item #	Description
1003	Heavy Duty Oil Filter Chain Wrench, 60-105 mm
1011	Heavy Duty Oil Filter Chain Wrench, 60-160 mm

Three Leg Oil Filter Wrench, 3/8", 19 mm hex. Adaptor

10 3/8

- for filters with a diameter between 35-75 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



Item #
1030

PRO

Three Leg Air Filter Wrench, 75-135 mm

125 1/2

- for loosening granulate air dryer cartridges in trucks
- black finish



Item #
1032

PRO+

Three Leg Oil Filter Wrench, Workshop Quality

125  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



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

