

Electricians-Metal Workshop Tool Case | 3 Drawers | with 147 Tools

- suitable set for the field of application of electrical installation
- partly equipped with insulated tools and tested according to DIN EN/IEC 60900
- with its 118 parts this tool set offers a wide range of tools and is suitable for many applications
- in a sturdy metal tool case and 4 EPE foam inserts made of robust, high-quality hard foam, offers each tool its fixed place
- case lockable, lock with optical visual control
- 1 upper compartment with lid
- 3 drawers
- 1st to 3. drawer loadable up to max. 6 kg (per drawer)
- total load max.: 20 kg
- central locking of all drawers by lid opening and closing
- 2 side metal carrying handles
- 1 upper plastic carrying handle
- internal compartment dimensions (W x D x H) 515 x 215 x 90 mm
- sockets, reversible ratchets, VDE pliers, VDE screwdrivers and combination wrenches made of chrome vanadium steel
- surface finish: satin chrome plated
- bits made of high-quality chrome vanadium steel (S2), with intelligent color coding system for each profile



scope of delivery:

- 1 metal tool case, empty | 3 drawers (BGS 3312)
- 1 reversible ratchet | fine tooth | 6.3 mm (1/4") (BGS 630)
- 13 sockets, hexagon | 6.3 mm (1/4") drive | 4 - 4.5 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 mm
- 6 sockets, E-Type | 6.3 mm (1/4") drive | E4 - E5 - E6 - E7 - E8 - E10
- 6 sockets, hexagon, deep | 6.3 mm (1/4") drive | 8 - 10 - 11 - 12 - 13 - 14 mm
- 6 bit sockets | 6.3 mm (1/4") drive | T-Star tamperproof (for Torx) T10 - T15 - T20 - T25 - T30 - T40
- 6 bit sockets | 6.3 mm (1/4") drive | internal hexagon 3 - 4 - 5 - 6 - 7 - 8 mm
- 3 bit sockets | 6.3 mm (1/4") drive | cross slot PH1 - PH2 - PH3
- 3 bit sockets | 6.3 mm (1/4") drive | slot SL 4 - 5.5 - 6.5 mm
- 2 "wobble" extension bar | 6.3 mm (1/4") | 50 - 100 mm
- 1 sliding handle | external square 6.3 mm (1/4") (BGS 276)
- 1 universal joint | 6.3 mm (1/4") (BGS 250)
- 1 reversible ratchet | fine tooth | 12.5 mm (1/2") (BGS 632)
- 19 sockets, hexagon | 12.5 mm (1/2") drive | 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 24 - 27 - 30 - 32 mm
- 1 socket, hexagon | 12.5 mm (1/2") drive | E11 (BGS 6461)
- 2 spark plug sockets, hexagon | 12.5 mm (1/2") drive | 16 - 21 mm
- 2 "wobble" extension bar | 12.5 mm (1/2") | 125 - 250 mm
- 1 sliding adaptor for extension bars | external square 12.5 mm (1/2") (BGS 289)
- 1 universal joint | 12.5 mm (1/2") (BGS 251)
- 1 sliding handle | external square 6.3 mm (1/4") (BGS 276)
- 1 spinner handle | external square 6.3 mm (1/4") | 150 mm (BGS 216)
- 1 VDE combination pliers | 180 mm (BGS 7150)
- 1 VDE side cutter | 160 mm (BGS 7154)
- 1 VDE long nose pliers | 200 mm (BGS 7152)
- 1 voltage tester | 120 - 250 V | 140 mm (BGS 725)
- 3 VDE screwdriver | cross slot PH0 | blade length 75 mm - PH1 | blade length 80 mm - PH2 | blade length 100 mm
- 4 VDE screwdriver | slot SL3 mm | blade length 75 mm - 4 mm | blade length 100 mm - 5.5 mm | blade length 125 mm - 6.5 mm | blade length 150 mm
- machinist's hammer | fibreglas shaft | DIN 1041 | 300 g 3852
- 9 L-type wrench | extra long | internal Hexagon / internal Hexagon with ball head 1.5 - 2 - 2.5 - 3 - 4 - 5 - 6 - 8 - 10 mm
- 12 combination spanner | 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 mm
- 1 magnetic pick-up tool | 650 mm | capacity 3 kg (BGS 3188)
- 1 color bit set | 32 pcs. (BGS 4816)
- 1 spinner handle for bits | internal hexagon 6.3 mm (1/4") | 200 mm (BGS 217)
- 1 universal shears | stainless steel | 180 mm (BGS 7962)
- 1 water pump pliers | box-joint type | 240 mm (BGS 75111)
- 1 cordless bendy lamp | COB-LED | 5W (BGS 85334)

Art.-Nr.

3350

Electricians Tool Assortment | 118 pcs.

- perfect tool combination for use in the range of electrical installations
- partly equipped with insulated tools and tested according to DIN EN/IEC 60900
- with its 118 parts, this tool set offers a wide range of tools and is suitable for many applications
- in a heavy-duty hard case made of ABS plastic with reinforced corners, which protects the case from damages and makes it particularly durable
- during transport, all parts contained in the case are well protected and secured in their places by elastic straps and hook and loop fasteners
- tool boards made of dirt-repellent coated MDF wood fibre boards
- an EPE foam insert made of robust, high-quality hard foam glued in the bottom area offers each tool its firm place
- sockets, reversible ratchets, VDE pliers, VDE screwdrivers and combination wrenches made of chrome vanadium steel
- surface finish: satin chrome plated
- bits made of high quality chrome vanadium steel (S2), with intelligent color coding system for each profile



scope of delivery:

- 1 reversible ratchet | fine tooth | 6.3 mm (1/4")
- 1 reversible ratchet | fine tooth | 12.5 mm (1/2")
- 13 socket, super lock | 6.3 mm (1/4") drive | 4 - 4.5 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 mm
- 13 socket, super lock | 12.5 mm (1/2") drive | 10 - 13 - 14 - 16 - 17 - 18 - 19 - 20 - 22 - 24 - 27 - 30 - 32 mm
- 1 sliding handle | external square 6.3 mm (1/4")
- 1 universal joint | 6.3 mm (1/4")
- 1 universal joint | 12.5 mm (1/2")
- 2 "wobble" extension bar | 6.3 mm (1/4") | 50 - 100 mm
- 2 "wobble" extension bar | 12.5 mm (1/2") | 125 - 250 mm
- 1 sliding adaptor for extension bars | external square 12.5 mm (1/2")
- 1 bit adaptor with retaining Ball | 6.3 mm (1/4") drive | internal Hexagon 6.3 mm (1/4")
- 1 machinist's hammer | hickory handle | DIN 1041 | 300 g
- 1 measuring tape | 19 mm x 5 m
- 9 L-Type wrench | extra long | internal Hexagon / internal Hexagon with ball head 1.5 - 2 - 2.5 - 3 - 4 - 5 - 6 - 8 - 10 mm
- 9 L-type wrench | extra long | T-Star tamperproof (tor Torx) T10 - T15 - T20 - T25 - T27 - T30 - T40 - T45 - T50
- 1 aluminium hacksaw frame | 150 mm
- 1 adjustable wrench with soft rubber handle | max. 25 mm
- 1 cross chisel | 6 x 200 mm
- 1 scraper | stainless steel | solid 2-component rubber grip handle with hole
- 1 spinner handle for bits | internal hexagon 6.3 mm (1/4") | 200 mm
- 8 combination spanner | 8 - 10 - 11 - 12 - 13 - 14 - 17 - 19 mm
- 1 VDE side cutter | 160 mm
- 1 VDE long nose pliers | angular | 200 mm
- 1 VDE combination pliers | 180 mm
- 1 VDE water pump pliers | 250 mm
- 1 VDE wire stripping pliers | 160 mm
- 1 VDE screwdriver | cross slot PH1 | blade length 80 mm
- 1 VDE screwdriver | cross slot PH2 | blade length 100 mm
- 1 VDE screwdriver | slot SL 3 mm | blade length 75 mm
- 1 VDE screwdriver | slot SL 4 mm | blade length 100 mm
- 1 voltage tester | 120 - 250 V | 140 mm
- 1 aluminium water level | 300 mm
- 1 wooden folding rule | 2 m
- 1 VDE cable knife with slip protection
- 1 voltage detector with digital display
- 1 colour bit set | 32 pcs.
- 1 snap-off knife | blade width 18 mm
- 1 ABS plastic empty case for BGS 15503

Art.-Nr.

15503

New Items May (customers only)

Sanitary Combination Tool Assortment | 86 pcs.

- corresponding basic equipment for refrigeration and air conditioning installation
- partly equipped with insulated tools and tested according to DIN EN/IEC 60900
- with its 86 parts, this tool set offers a wide range of tools and is suitable for many applications
- in a heavy-duty hard case made of ABS plastic with reinforced corners, which protects the case from damages and makes it particularly durable
- during transport, all contained parts in the case are well protected and secured in their places by elastic straps and hook and loop fasteners
- tool boards made of dirt-repellent coated MDF wood fiber boards
- a EPE foam insert made of robust, high-quality hard foam glued in the bottom area offers each tool its firm place
- sockets, reversible ratchet, VDE pliers, VDE screwdrivers, pin punches and combination wrenches made of chrome vanadium steel
- surface finish: satin chrome plated
- L-type wrenches and bit sockets made of high quality chrome vanadium steel (S2)



scope of delivery:

- 1 reversible ratchet | fine tooth | 6.3 mm (1/4")
- 13 sockets, super lock | 6.3 mm (1/4") drive | 4 - 4.5 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 mm
- 1 spinner handle | external square 6.3 mm (1/4") | 150 mm
- 1 universal joint | 6.3 mm (1/4")
- 1 bit ratchet adaptor | ext. hexagon 6.3 mm (1/4") - ext. square 6.3 mm (1/4") | 30 mm
- 1 flexible extension bar | 6.3 mm (1/4") | 150 mm
- 2 "wobble" extension bars | 6.3 mm (1/4") | 50 - 100
- 4 bit sockets | 6.3 mm (1/4") drive | slot SL 4 - 5.5 - 6.5 - 7 mm
- 6 bit sockets | 6.3 mm (1/4") drive | cross slot PH1 - PH2 - PH3 - PZ1 - PZ2 - PZ3
- 6 bit sockets | 6.3 mm (1/4") drive | internal hexagon 3 - 4 - 5 - 6 - 7 - 8 mm
- 5 bit sockets | 6.3 mm (1/4") drive | T-Star tamperproof (for Torx) T10 - T20 - T25 - T30 - T40
- 1 hand cone cutter | 3 - 12 mm
- 1 L-type wrench set | short | internal Hexagon 1.5 - 10 mm | 9 pcs.
- 1 tube bending tool | for pipe diameter 3 - 4.75 - 6 mm
- 12 double open end spanner | 6 x 7 - 8 x 9 - 10 x 11 - 12 x 13 - 14 x 15 - 16 x 17 mm
- 1 tube bending pliers | 4.75 + 6 mm
- 2 tube cutter | Ø 3 - 35 mm / 1/8" - 1 3/8" - Ø 3 - 30 mm
- 1 screwdriver | slot SL 6 mm | blade length 38 mm
- 1 screwdriver | cross slot PH2 | blade length 38 mm
- 1 adjustable wrench with soft rubber handle | max. 25 mm
- 1 magnetic pick-up tool | 650 mm | capacity 3 kg
- 1 universal flaring tool kit | adjustable 4,7 - 16 mm
- 1 aluminium hacksaw frame | 150 mm
- 1 measuring tape | 19 mm x 5 m
- 1 universal shears | stainless steel | 180 mm
- 6 pin punches | 150 mm | 3 - 4 - 5 - 6 - 7 - 8 mm
- 1 machinist's hammer | hickory handle | DIN 1041 | 300 g
- 1 VDE water pump pliers | 250 mm
- 1 VDE side cutter | 160 mm
- 1 VDE long nose pliers | 160 mm
- 1 VDE combination pliers | 180 mm
- 1 voltage tester | 120 - 250 V | 140 mm
- 4 VDE screwdriver | slot SL 3 mm | blade length 75 mm - 4 mm | blade length 100 mm - 5.5 mm | blade length 125 mm - 6.5 mm | blade length 150 mm - PH0 | blade length 75 mm - PH1 | blade length 80 mm mm
- 3 VDE screwdriver | cross slot PH0 | blade length 75 mm - PH1 | blade length 80 mm - PH2 | blade length 100 mm mm
- 1 ABS plastic empty case for BGS 15504

Art.-Nr.

15504

VDE Screwdriver Set | with Interchangeable Blades | 13 pcs.

- compact VDE tool set (not only) for electricians
- for work at various locations such as on construction sites, on solar installations and in control cabinets
- safe hold of the blades in the handle, automatic locking against unintentional pulling out
- interchangeable blades with reduced blade diameter up to a round blade
- thus also low-lying screw and spring elements can be reached and operated
- all tools safely and orderly in a robust and handy plastic folding case
- perfectly suitable for mobile use
- ergonomic handle
- tested according to DIN EN/IEC 60900

- handle type: 2 component handle

scope of delivery:

- 1 VDE handle with interchangeable blade holder, with 2 component handle (red/yellow).
- 4 interchangeable blades, Slot SL 1.2 x 6.5 mm, SL 1.0 x 5.5 mm, SL 0.8 x 4.0 mm, SL 0.5 x 3.0 mm, blade length 100 mm
- 3 interchangeable blades, T-Star (for Torx), T10, T15, T20, blade length 100 mm
- 1 interchangeable blade, cross slot PH2, blade length 100 mm
- 1 interchangeable blade, cross slot PH1, blade length 80 mm
- 1 interchangeable blade, cross slot PZ2, blade length 100 mm
- 1 interchangeable blade, cross slot PZ1, blade length 80 mm
- 1 voltage tester | 120 - 250 V | 140 mm (BGS 725)



Item #
35814



VDE Screwdriver Set | with Interchangeable Blades | 8 pcs.

- compact VDE tool set (not only) for electricians
- for work at various locations such as on construction sites, on solar installations and in control cabinets
- safe hold of the blades in the handle, automatic locking against unintentional pulling out
- interchangeable blades with reduced blade diameter up to a round blade
- thus also low-lying screw and spring elements can be reached and operated
- with 2 switchboard cabinet keys for operating switchboard control device locking systems
- all tools safely and orderly in a robust and handy plastic folding case
- perfectly suitable for mobile use
- ergonomic handle
- tested according to DIN EN/IEC 60900
- handle type: 2 component handle

scope of delivery:

- 1 VDE handle with interchangeable blade holder, with 2 component handle (red/yellow).
- 3 interchangeable blades, Slot SL 1.0 x 5.5 mm, SL 0.8 x 4.0 mm, SL 0.5 x 3.0 mm, blade length 100 mm
- 1 interchangeable blade, cross slot PH2, blade length 100 mm
- 1 interchangeable blade, cross slot PH1, blade length 80 mm
- 1 switchboard cabinet key, square, 8 mm
- 1 switchboard cabinet key, triangular, 9 mm



Item #
35813



Reversible Ratchets | Fine Tooth | 6.3 mm (1/4")

6.3 1/4 10 3/8 12.5 1/2

- lever type offset
- finetooth 90 teeth
- with quick release function
- non slip, ergonomical, 2-components handle
- surface-finish: satin chrome plated

- **BGS 630:** drive: external square, drive profile size, metric: 6.3 mm, drive profile size, inch: 1/4", length: 155 mm
- **BGS 631:** drive: external square, drive profile size, metric: 10 mm, drive profile size, inch: 3/8", length: 205 mm
- **BGS 632:** drive: external square, drive profile size, metric: 12.5 mm, drive profile size, inch: 1/2", length: 255 mm



Item #	Description
630	Reversible Ratchet Fine Tooth 6.3 mm (1/4")
631	Reversible Ratchet Fine Tooth 10 mm (3/8")
632	Reversible Ratchet Fine Tooth 12.5 mm (1/2")

Double-Joint Ratchet Combination Wrench Set | adjustable | 8 - 19 mm | 12 pcs.

- for hard-to-reach working areas in confined spaces and low-lying screw connections
 - slim design
 - ratchet ring head with double joint
 - 180° stepless, swiveling ratchet ring head
 - fine toothed with 72 teeth
 - metric version
-
- output profile ring side: 12 pt.
 - surface finish: satin chrome plated
 - teeth: 72
 - actuation angle: 5°
 - head offset: 15°

scope of delivery:

- 1 double-joint ratchet combination wrench | adjustable | 8 mm, length 162 mm (BGS 6168)
- 1 double-joint ratchet combination wrench | adjustable | 9 mm, length 162 mm (BGS 6169)
- 1 double-joint ratchet combination wrench | adjustable | 10 mm, length 179 mm (BGS 6170)
- 1 double-joint ratchet combination wrench | adjustable | 11 mm, length 203 mm (BGS 6171)
- 1 double-joint ratchet combination wrench | adjustable | 12 mm, length 223 mm (BGS 6172)
- 1 double-joint ratchet combination wrench | adjustable | 13 mm, length 223 mm (BGS 6173)
- 1 double-joint ratchet combination wrench | adjustable | 14 mm, length 245 mm (BGS 6174)
- 1 double-joint ratchet combination wrench | adjustable | 15 mm, length 245 mm (BGS 6175)
- 1 double-joint ratchet combination wrench | adjustable | 16 mm, length 261.5 mm (BGS 6176)
- 1 double-joint ratchet combination wrench | adjustable | 17 mm, length 261.5 mm (BGS 6177)
- 1 double-joint ratchet combination wrench | adjustable | 18 mm, length 284 mm (BGS 6178)
- 1 double-joint ratchet combination wrench | adjustable | 19 mm, length 284 mm (BGS 6179)



Item #
6180



Double-Joint Ratchet Combination Wrench Set | adjustable | 8 - 19 mm | 5 pcs.

- for hard-to-reach working areas in confined spaces and low-lying screw connections
 - slim design
 - ratchet ring head with double joint
 - 180° stepless, swiveling ratchet ring head
 - fine toothed with 72 teeth
 - metric version
-
- output profile ring side: 12 pt.
 - surface finish: satin chrome plated
 - teeth: 72
 - actuation angle: 5°
 - head offset: 15°

scope of delivery:

- 1 double-joint ratchet combination wrench | adjustable | 8 mm, length 162 mm (BGS 6168)
- 1 double-joint ratchet combination wrench | adjustable | 10 mm, length 179 mm (BGS 6170)
- 1 double-joint ratchet combination wrench | adjustable | 13 mm, length 223 mm (BGS 6173)
- 1 double-joint ratchet combination wrench | adjustable | 17 mm, length 261.5 mm (BGS 6177)
- 1 double-joint ratchet combination wrench | adjustable | 19 mm, length 284 mm (BGS 6179)

Item #
6181



Double-Joint Ratchet Combination Wrenches & -Set | adjustable | 8 - 19 mm

- for hard-to-reach working areas in confined spaces and low-lying screw connections
- slim design
- ratchet ring head with double joint
- 180° stepless, swiveling ratchet ring head
- fine toothed with 72 teeth
- metric version
- output profile ring side: 12 pt.
- surface finish: satin chrome plated
- teeth: 72
- actuation angle: 5°
- head offset: 15°

- **BGS 6168:** 8 mm, length 162 mm
- **BGS 6169:** 9 mm, length 162 mm
- **BGS 6170:** 10 mm, length 179 mm
- **BGS 6171:** 11 mm, length 203 mm
- **BGS 6172:** 12 mm, length 223 mm
- **BGS 6173:** 13 mm, length 223 mm
- **BGS 6174:** 14 mm, length 245 mm
- **BGS 6175:** 15 mm, length 245 mm
- **BGS 6176:** 16 mm, length 261.5 mm
- **BGS 6177:** 17 mm, length 261.5 mm
- **BGS 6178:** 18 mm, length 284 mm
- **BGS 6179:** 19 mm, length 284 mm



Item #	Description
6168	Double-Joint Ratchet Combination Wrench Set adjustable 8 mm
6169	Double-Joint Ratchet Combination Wrench Set adjustable 9 mm
6170	Double-Joint Ratchet Combination Wrench Set adjustable 10 mm
6171	Double-Joint Ratchet Combination Wrench Set adjustable 11 mm
6172	Double-Joint Ratchet Combination Wrench Set adjustable 12 mm
6173	Double-Joint Ratchet Combination Wrench Set adjustable 13 mm
6174	Double-Joint Ratchet Combination Wrench Set adjustable 14 mm
6175	Double-Joint Ratchet Combination Wrench Set adjustable 15 mm
6176	Double-Joint Ratchet Combination Wrench Set adjustable 16 mm
6177	Double-Joint Ratchet Combination Wrench Set adjustable 17 mm
6178	Double-Joint Ratchet Combination Wrench Set adjustable 18 mm
6179	Double-Joint Ratchet Combination Wrench Set adjustable 19 mm



New Items May (customers only)

Engine Timing Tool Set | for BMW B38, B48, B58

- for checking and setting the engine timing
- suitable for engines B38, B48, B58, built in following models:

- 1.5 Liter BMW engines (B38):
 - 1er (F20/F21/F40) (2014-)
 - 2er (F44/F45/F46/F22/F23) (2014)
 - 3er (F30/31) (2015-)
 - 4er (F32/F36) (2015-)
 - X1 (F48) (2015-), X2 (F39) (2018-)
- 2.0 Liter BMW engines (B48):
 - 1er (F20/21) (2016-)
 - 2er (F22/F23) (2016-)
 - 3er (G20/G21/F30/F31/F34) (2015-)
 - 4er (F32/F33/F36) (2016-)
 - 5er (G30/31) (2017-)
 - 6er (G32) (2017-)
 - 7er (G11/12) (2015-)
 - X3 (G01) (2017-)
 - X4 (G02) (2018-)
- 3.0 Liter BMW engines (B58):
 - 1er (F20/F21) (2016-)
 - 2er (F22/F23) (2016-)
 - 3er (G20/G21/F30/F31/F34/F80) (2015-)
 - 4er (F32/F33/F36) (2014-)
 - 5er (G30/31) (2017-)
 - 6er (G32) (2017-)
 - 7er (G11/G12) (2015-)
 - 8er (G16) (2019-)
 - X3 (G01) (2017-)
 - X4 (G02) (2018-)
 - X5 (G05) (2018-)
 - X6 (G06) (2019-)
 - X7 (G07) (2018-)
 - Z4 (G29) (2018-)

scope of delivery:

- 1 camshaft setting tool holder, to be used as OEM 2456372
- 4 camshaft setting tool, to be used as OEM 2358122
- 1 crankshaft setting pin, to be used as OEM 2288380
- 1 crankshaft setting pin adapter, to be used as 2365488
- 1 timing chain pre-tensioning tool, to be used as OEM 2455654
- 1 crankshaft turning tool, to be used as OEM 116480
- 1 special bit socket | length 200 mm | 12.5 mm (1/2") Drive | T-Star (for Torx) T60
- 1 actuator special wrench
- 2 fixing screws, M6, internal hexagon drive, 5 mm
- 2 fixing screws, M8, external hexagon drive, 13 mm



Item #
70114

Honing Tool Set | flexible | 6.3 mm (1/4") Drive | Grit 60/80 | 8 - 12 - 20 mm | 3 pcs.

- for use in automotive, aerospace, hydraulics and for plumbing and heating applications
- for machining cylinder barrels before mounting new piston rings
- self-centering internal brush with trim of flexible silicon carbide balls
- for edge breaking, finishing of surfaces and honing work
- produces uniformly honed surfaces with high contact ratio
- honing does not increase the cylinder diameter
- only the surface is restructured
- the honing marks provide the necessary oil adhesion
- to be used with hand drills and stationary machines

- drive profile: external hexagon
- shaft Ø: 6.3 mm (1/4")
- fill length: 2 - 2.8 - 6 mm
- drive speed: 300 rpm
- grain type: silicon carbide (SiC)
- grain size: K 60/80
- brush length: 63 mm
- total length: 150 mm

- the use of grinding oil is recommended!



Item #
1272



New Items May (customers only)

Honing Tool | flexible | Grit 120

- for use in automotive engineering, aerospace, hydraulics and plumbing and heating applications
- for machining cylinder barrels before mounting new piston rings
- self-centering internal brush with trim of flexible silicon carbide balls
- for edge breaking, finishing of surfaces and honing work
- produces uniformly honed surfaces with high contact ratio
- honing does not increase the cylinder diameter
- only the surface is restructured
- the honing marks provide the necessary oil adhesion
- to be used with hand drills and stationary machines

- drive speed: 300 rpm
- grain type: silicon carbide (SiC)
- grain size: K 120
- total length: 200 mm

- the use of grinding oil is recommended!

- **BGS 1235:** shaft Ø: 2.2 mm, fill length: 1 mm, brush length: 51 mm
- **BGS 1236:** shaft Ø: 2.5 mm, fill length: 1.5 mm, brush length: 51 mm
- **BGS 1237:** shaft Ø: 3 mm, fill length: 2 mm, brush length: 51 mm
- **BGS 1238:** shaft Ø: 3.2 mm, fill length: 2 mm, brush length: 64 mm
- **BGS 1248:** shaft Ø: 3.6 mm, fill length: 2.8 mm, brush length: 64 mm
- **BGS 1249:** shaft Ø: 4 mm, fill length: 3 mm, brush length: 64 mm
- **BGS 1250:** shaft Ø: 4.5 mm, fill length: 7 mm, brush length: 72 mm
- **BGS 1251:** shaft Ø: 5 mm, fill length: 7 mm, brush length: 72 mm
- **BGS 1252:** shaft Ø: 5.1 mm, fill length: 8 mm, brush length: 72 mm
- **BGS 1253:** shaft Ø: 5.5 mm, fill length: 9 mm, brush length: 72 mm
- **BGS 1254:** shaft Ø: 6.0 mm, fill length: 11 mm, brush length: 72 mm
- **BGS 1255:** shaft Ø: 6.0 mm, fill length: 13 mm, brush length: 72 mm
- **BGS 1256:** shaft Ø: 6.5 mm, fill length: 16 mm, brush length: 72 mm
- **BGS 1259:** shaft Ø: 6.5 mm, fill length: 17 mm, brush length: 73 mm



Item #	Description			
1235	Honing Tool	flexible	Grit 120	5 - 5.5 mm
1236	Honing Tool	flexible	Grit 120	7 - 7.5 mm
1237	Honing Tool	flexible	Grit 120	8 - 8.5 mm
1238	Honing Tool	flexible	Grit 120	10 - 11 mm
1248	Honing Tool	flexible	Grit 120	12 - 13 mm
1249	Honing Tool	flexible	Grit 120	16 - 17 mm
1250	Honing Tool	flexible	Grit 120	21 - 22 mm
1251	Honing Tool	flexible	Grit 120	26 - 27 mm
1252	Honing Tool	flexible	Grit 120	29 - 30 mm
1253	Honing Tool	flexible	Grit 120	34 - 35 mm
1254	Honing Tool	flexible	Grit 120	40 - 42 mm
1255	Honing Tool	flexible	Grit 120	46 - 48 mm
1256	Honing Tool	flexible	Grit 120	52 - 54 mm
1259	Honing Tool	flexible	Grit 120	58 - 60 mm

Double Piston Lever Type Grease Gun

- for lubrication of vehicle and machine components with grease nipple
- for professional processing of commercial greases
- for use in mining, industry, construction, vehicles, agriculture, machinery, etc.
- with double piston for 3 times higher grease output per stroke
- 4-jaw gripping mouthpiece for firm grip on the grease nipple
- compatible with all commercially available 400 ml grease cartridges or 500 cm³ loose grease
- low effort for greasing due to optimal hand lever ratios
- non-slip textured powder coated finish
- die-cast aluminum head with vent valve
- ergonomic rubber grip on the hand lever

- pressure: 413 bar (6000 psi)
- load capacity: 500 cm³
- delivery rate: 2.4 g per stroke
- connection thread: M10 x 1
- tube length: 150 mm
- wall thickness: 1.2 mm



Item #
71040



Diesel High Pressure Pump Sprocket Locking Tool | for Jaguar, Land Rover

- used to lock the sprocket of the high-pressure diesel pump in the setting position
- required when changing the high-pressure pump timing belt
- to be used as OEM 310-212

suitable for the following vehicles with 3.0 liter diesel engine:

- Jaguar
 - Jaguar XF 3.0L (AJ-V6D / 306DT) (2009-2014)
 - Jaguar XJ 3.0L (AJ-V6D / 306DT) (2010-2014)
- Land Rover
 - Land Rover Discovery 4 3.0L (SDV6 / 306DT) (2011-2014)
 - Land Rover Discovery 4 3.0L (SDV6/TDV / 306DT) (2009-2014)
 - Land Rover Discovery 4 3.0L (TDV6 / 306DT) (2009-2014)
 - Land Rover Range Rover 3.0L (SDV6 Hybr / 306DT) (2014-)
 - Land Rover Range Rover 3.0L (TDV6 / 306DT) (2011-2014)
 - Land Rover Range Rover Sport 3.0L (SDV6 / 306DT) (2011-2014)
 - Land Rover Range Rover Sport 3.0L (TDV6 / 306DT) (2009-2014)
 - Land Rover Range Rover Sport 3.0L (SDV6 Hybr / 306DT) (2014-2014)



Item #
71045

New Items May (customers only)

Aluminum Snow Shovel | with collapsible Quick Release Shovel Handle

- ideal accessory for car, truck, off-road vehicle or snowmobile
 - also suitable for outdoor activities, hiking tours, mountaineering, camping or skiing
 - robust and lightweight aluminum construction
 - extremely stable shovel blade, for efficient snow removal
 - prevents snow from sticking due to slippery surface
 - plug-in system with quick-release button for easy, tool-free assembly and disassembly
 - telescopic handle, can be disassembled into three parts
 - can be used in different lengths
 - easily adjustable to the desired length of 550 mm or 295 mm
 - with ergonomic T-handle for optimal power transmission
 - when disassembled space-saving storage in the trunk of the vehicle
 - easy and space-saving to transport in a backpack
 - shovel surface and the shovel handle made of robust aluminium
- dimensions assembled: 820 x 213 mm
 - shovel handle (long): 550 mm
 - shovel handle (medium): 255 mm
 - shortened shovel handle (handle directly on shovel blade, without extension): 215 mm
 - shovel blade: 280 x 213 mm
 - hole diameter: 9 mm
 - material thickness of shovel blade: 1.7 mm
 - material shovel blade and handle: aluminium, anodized
 - material T-handle: nylon

Item #
2139



Impact Bit Sockets | length 75 mm | 12.5 mm (1/2") Drive | internal Hexagon with Ball Head 6 - 19 mm **12.5 1/2**

- for both manual and impact wrenches
 - can be fixed on impact wrench by pin and O-ring
 - spherical output profile
 - allows safe work even in difficult working areas
 - enables screwing at an angle of up to 25°
 - moveable to the screw axis
-
- drive profile: internal square
 - drive profile size, inch: 1/2 "
 - drive profile size, metric: 12.5 mm
 - length: 75 mm
-
- **BGS 5488-6:** internal hexagon with ball head 6 mm
 - **BGS 5488-8:** internal hexagon with ball head 8 mm
 - **BGS 5488-10:** internal hexagon with ball head 10 mm
 - **BGS 5488-12:** internal hexagon with ball head 12 mm
 - **BGS 5488-14:** internal hexagon with ball head 14 mm
 - **BGS 5488-15:** internal hexagon with ball head 15 mm
 - **BGS 5488-17:** internal hexagon with ball head 17 mm
 - **BGS 5488-19:** internal hexagon with ball head 19 mm
 - **BGS 5488:** set, internal Hexagon with Ball Head 6 - 19 mm | 8 pcs.



Item #	Description
5488-6	Impact Bit Socket 12.5 mm (1/2") Drive internal Hexagon with Ball Head 6 mm
5488-8	Impact Bit Socket 12.5 mm (1/2") Drive internal Hexagon with Ball Head 8 mm
5488-10	Impact Bit Socket 12.5 mm (1/2") Drive internal Hexagon with Ball Head 10 mm
5488-12	Impact Bit Socket 12.5 mm (1/2") Drive internal Hexagon with Ball Head 12 mm
5488-14	Impact Bit Socket 12.5 mm (1/2") Drive internal Hexagon with Ball Head 14 mm
5488-15	Impact Bit Socket 12.5 mm (1/2") Drive internal Hexagon with Ball Head 15 mm
5488-17	Impact Bit Socket 12.5 mm (1/2") Drive internal Hexagon with Ball Head 17 mm
5488-19	Impact Bit Socket 12.5 mm (1/2") Drive internal Hexagon with Ball Head 19 mm
5488	Impact Bit Socket Set length 75 mm 12.5 mm (1/2") Drive internal Hexagon with Ball Head 6 - 19 mm 8 pcs.



New Items May (customers only)

Air Impact Wrench and Impact Socket Set | 12.5 mm (1/2") | 1200 Nm | 16 pcs.

- compact set composition
- powerful and robust air impact wrench with 13 different impact sockets
- additionally equipped with 3 protective impact sockets for working on sensitive materials such as aluminum rims
- for use with hexagon nuts or bolt heads
- ideal for use when changing tires or other assembly work
- for large, strong and tight bolted joints on axles of passenger cars as well as wheels, axles and bodywork of vans and commercial vehicles
- compact, lightweight, powerful air impact wrench
- powerful loosening torque of 1200 Nm combined with compact design and low weight
- powerful double hammer impact mechanism
- with ergonomic soft-grip handle
- easy one-hand operation with practical switch lever (left / right)
- 3-fold torque preselection

- impact mechanism: double hammer
- loosening torque (counterclockwise): 1200 Nm
- working torque: 610 Nm
- drive speed: 7500 rpm
- air consumption: 142.5 l/min
- sound pressure level max.: 95.16 dB(A)
- sound power level max.: 106.16 dB(A)
- vibration level: ahd = 8.47 m/s² / K = 1.33 m/s²
- output profile: external square
- drive profile size, metric: 12.5 mm
- drive profile size, inch: 1/2"
- recommended hose diameter: 3/8" (10 mm)
- operating pressure: 6.3 bar (90 PSI)
- length: 185 mm (with external square) / 182.5 mm (without external square)

scope of delivery:

- 1 air impact wrench | 12.5 mm (1/2") | 1200 Nm (BGS 6829)
- 10 impact socket, hexagon | 12.5 mm (1/2") drive |
 - 12 mm (BGS 5212)
 - 13 mm (BGS 5213)
 - 14 mm (BGS 5214)
 - 15 mm (BGS 5215)
 - 16 mm (BGS 5216)
 - 17 mm (BGS 5217)
 - 18 mm (BGS 5218)
 - 19 mm (BGS 5219)
 - 21 mm (BGS 5221)
 - 22 mm (BGS 5222)
- 3 protective impact socket | 12.5 mm (1/2") drive |
 - 17 mm (BGS 7201)
 - 19 mm (BGS 7202)
 - 21 mm (BGS 7203)
- 1 impact extension bar | 12.5 mm (1/2") | 125 mm (BGS 193)
- 1 impact ball joint | 12.5 mm (1/2") (BGS 190)



Item #
5295

Ratchet Combination Wrench Set | metric / Inch Sizes | 22 pcs.

- suitable for daily DIY use
- universally applicable for working and counterholding on screw connections
- set contains practical metric and inch sizes
- in a practical roll-up pouch with labeled individual compartments for each wrench
- ratchet function facilitates work on heavy-duty screws and ensures optimum power transmission
- suitable for left- and right-hand tightening
- flat design
- fine tooth with 72 teeth
- extra small adjustment angle 5°
- jaw position: 15°
- output profile: 12 pt.
- surface finish: chrome plated, mirror polished
- wrench size 1: 6 - 18 mm
- wrench size 2: 1/4 - 3/4"
- teeth: 72
- ratchet head material : chrome vanadium steel
- material: carbon steel

scope of delivery:

- 1 ratchet combination wrench 6 mm
- 1 ratchet combination wrench 8 mm
- 1 ratchet combination wrench 9 mm
- 1 ratchet combination wrench 10 mm
- 1 ratchet combination wrench 12 mm
- 1 ratchet combination wrench 13 mm
- 1 ratchet combination wrench 14 mm
- 1 ratchet combination wrench 15 mm
- 1 ratchet combination wrench 16 mm
- 1 ratchet combination wrench 17 mm
- 1 ratchet combination wrench 18 mm
- 1 ratchet combination wrench 1/4"
- 1 ratchet combination wrench 9/32"
- 1 ratchet combination wrench 5/16"
- 1 ratchet combination wrench 11/32"
- 1 ratchet combination wrench 3/8"
- 1 ratchet combination wrench 7/16"
- 1 ratchet combination wrench 1/2"
- 1 ratchet combination wrench 9/16"
- 1 ratchet combination wrench 5/8"
- 1 ratchet combination wrench 11/16"
- 1 ratchet combination wrench 3/4"



Item #
30010

New Items May (customers only)

Torpedo Level | with Magnet | 3 Spirit Levels | 230 mm

- can be used as a surveying aid for numerous construction projects
- for work around the house and workshop
- for aligning pictures, cabinets or other objects
- compact, light and handy
- ideal for general applications and work in confined spaces
- equipped with 3 spirit levels
- for vertical, horizontal and 45° angle measurements
- middle bubble has an additional viewing window
- aluminum-reinforced sides for improved robustness
- magnetic spirit level can be easily fixed on metallic surfaces by the magnet on the bottom side
- with hanging hole

- usable up to a working temperature of 70 °C
- measuring accuracy: 1.0 mm/m
- material 1: aluminium
- material 2: polypropylene (PP)



Item #
50868



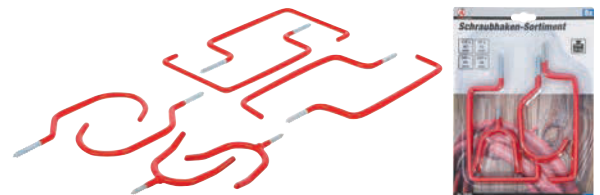
Wall and Ceiling Screw Hook Assortment | 8 pcs.

- universally applicable in household, garden & garage
- for hanging bicycles, ladders, tools, plants, garden hoses, ropes, electrical appliances or ironing board and vacuum cleaner
- turns the unused wall space into an efficient storage space
- universal hooks in various designs and dimensions
- with pre-drilled holes suitable to assemble on wall and ceiling
- PVC cover to protect delicate utensils

- material: carbon steel (Q195)
- material thickness: 4.5 mm
- surface finish: PVC coated
- material thickness coated: 5.5 up to 6 mm
- thread length: 25 up to 30 mm
- load capacity: 5 kg / 15 kg

scope of delivery:

- 2 wall and screw hooks, U-shape, 200 x 48 mm, load capacity 15 kg
- 2 wall and screw hooks, Y-shape, 95 x 63 mm, load capacity 5 kg
- 2 wall and screw hooks, bicycle holder, 145 x 65 mm, load capacity 15 kg
- 2 wall and screw hooks, L-shape, 178 x 97 mm, load capacity 15 kg



Item #
88308



Retractable Air Hose Reel | Automatic | 10 m + 1.5 m

- robust automatic hose reel creates order in the workshop and reduces the risk of accidents
- plastic housing protects hose from external influences
- high stability and durability of hose and container
- automatic stop function secures the position of the extended hose at the desired point, ensures high safety during use
- with quick-connect coupling and plug nipple
- highly flexible polyurethane (PU) hose
- easy assembling on wall or ceiling
- large swivel range of the housing ensures flexible application in all working areas
- metal retaining bracket and screws with anchor dowels

- internal diameter: 8 mm
- external diameter: 12 mm
- hose length: 10 m
- supply line: 1.5 m
- compressed air connection: 1/4"
- working pressure: 8 bar (116 PSI)
- hose material: polyurethan (PU)



Item #
71055

Retractable Air Hose Reel | Automatic | 12 m + 2 m

- robust automatic hose reel creates order in the workshop and reduces the risk of accidents
- plastic housing protects hose from external influences
- high stability and durability of hose and container
- automatic stop function secures the position of the extended hose at the desired point, ensures high safety during use
- with quick-connect coupling and plug nipple
- highly flexible polyurethane (PU) hose
- easy assembling on wall or ceiling
- large swivel range of the housing ensures flexible application in all working areas
- metal retaining bracket and screws with anchor dowels

- internal diameter: 12 mm
- external diameter: 16 mm
- hose length: 12 m
- supply line: 2 m
- compressed air connection: 1/4"
- working pressure: 8 bar (116 PSI)
- hose material: polyurethan (PU)



Item #
71048

Brake Bleeder Set | with Deaerator Bottle | 4 pcs.

- for bleeding hydraulic brake and clutch systems
- for easy and safe use on the vehicle
- hand pump with pressure gauge, can be used at any location independent of compressed air systems
- bleeding process does not require external power source
- suitable for most vehicles with european standard expansion tank (E20 adapter)
- tank capacity: 4 l
- tank capacity deaerator bottle: 1 l
- pressure range: 0 - 1.9 bar (0 - 28 psi)
- working pressure: 3.4 bar
- hose length: 1 m
- hose material: silicone
- tank material: polyethylene (PE)

Scope of delivery:

- 1 key for E20 adapter
- 1 brake bleeder with hand pump and pressure gauge, 4 l, plastic
- 1 suction bottle, 1 l, plastic, with retaining chain and hook
- 1 silicone hose with quick coupling and adapter (E20)



Item #
71032

Snap hook | D-shape | with screw lock

- suitable for closing duffel bags, backpacks or as a keychain
- ideal companion for outdoor activities, hiking, fishing, camping or mountain biking
- versatile applicable
- with two locking systems, additionally with manual screw closure with knurl
- large asymmetric shape
- edge-free surface on the inside
- corrosion and weather resistant
- not suitable for climbing, personal security and rescue operations
- internal dimensions: 57 x 25 mm
- external dimensions: 70 x 39 mm
- material: aluminum alloy
- surface finish: oxidized
- material thickness: 6 mm
- net weight: 13 g
- max. load capacity: 100 kg



Item #
85795



Flat Steel Connector Set | 180 x 40 x 2.5 mm | 6 pcs.

- for lateral connection of light to heavy wooden elements
- variably applicable in the hobby and do-it-yourself sector for cabinet, shelf and interior fittings
- combination hole pattern allows both, nailing out of the panels and fastening with screws
- easy assembling
- high strength
- full nailing is recommended for the maximum carrying capacity

- material: sheet steel
- surface finish: galvanized
- load capacity: 70 kg
- hole diameter 1: 11 mm
- hole diameter 2: 5 mm
- length: 180 mm
- width: 40 mm
- material thickness: 2.5 mm
- DIN/EN/ISO: EN 14545

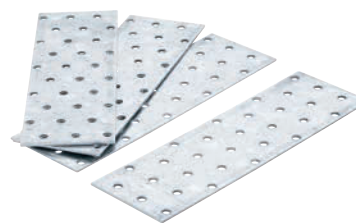


Item #
80791

Flat Steel Connector Set | 200 x 60 x 2 mm | 4 pcs.

- lend high stability to narrow or large-area timber joints
- for tension- and compression-stressed node connections of wood/wood constructions
- also suitable for the production of collar beam connections, or for the construction of trusses
- for fastening with anchor nails and/or comb nails
- high strength
- full nailing is recommended for the maximum carrying capacity

- material: sheet steel
- surface finish: galvanized
- load capacity: 70 kg
- hole diameter: 5 mm
- number of fixing holes: 30
- length: 200 mm
- width: 60 mm
- material thickness: 2 mm
- DIN/EN/ISO: EN 14545



Item #
80795

Tree Watering Ring | 55 l

- reliable and mobile water supply
 - ideal for bridging long dry periods
 - suitable for new plantings, young and existing trees and shrubs
 - can be used in the home garden or for urban trees along streets and in parks
 - due to the brown color the ring blends inconspicuously into the garden environment
 - large capacity of 55 liters
 - long-lasting water delivery between 5 to 10 hours per filling (drop by drop)
 - gentle and even watering of the root area
 - optimal water absorption thanks to continuous soil moisture
 - fast and effortless application by simple folding over
 - easy to fill with a water hose due to practical opening
 - cap at the inlet valve prevents subsequent leakage of water
 - reusable several times
 - robust material withstands any weather and is designed for long-term outdoor use
- outer dimension (non folded): Ø 900 mm
 - inner dimension (non folded): Ø 140 mm
 - capacity: 55 l
 - material: PVC (polyvinyl chloride)
 - material thickness: 0.43 mm
 - grammage: 520 g/m²
 - color: brown



Item #
53755

Tree Irrigation Bag | 75 l

- reliable and mobile water supply
 - ideal for bridging long dry periods
 - continuous release of precise amounts of water
 - suitable for tree diameter up to 170 mm when used individually
 - to a deep water saturation and thus promotion of root growth
 - appending and filling of the irrigation bag in just a few minutes
 - long-lasting water delivery between 5 to 10 hours per filling (drop by drop)
 - strong reduction of drought stress and transplant shock
 - robust material withstands any weather and is designed for long-term outdoor use
 - integrated UV protection
 - with zipper to connect up to two watering bags
 - with carrying loops
-
- outer dimension (non folded): Ø 920 x 880 mm
 - capacity: 75 l
 - material: PVC (polyvinyl chloride)
 - material thickness: 0.38 - 0.40 mm
 - grammage: 400 g/m²
 - color: green



Item #
53775

Water Hose | Textile | flexible | with Garden Hand Shower with 7 Functions | 3 - 10 m

- for watering lawns, plants, flowers, planters, trees or shrubs
- can also be used for cleaning garden furniture, the terrace or for washing cars
- can be used regardless of the season and outdoor temperatures, with UV resistance
- kink-free use and easy handling facilitate watering
- flexible plastic fabric prevents knotting of the hose
- the hose has almost no own weight compared to normal hoses
- hose expands up to three times when water pressure is applied
- space-saving storage
- simple plug-in system enables quick and easy connection
- multifunctional hand shower with ergonomic pistol grip
- water jet can be adjusted in 7 different spray patterns for area of application
- for watering with gentle water mist or stronger intensity
- locking screw on the handle for permanent water pressure for longer working
- working pressure: 2.7 - 7.3 bar
- pressure: 12 bar
- wall thickness: 1.75 mm
- internal hose diameter: 6 mm
- external hose diameter: 9.5 mm
- inner material hose: latex
- outer material hose: polyester
- hand shower material: ABS plastic
- adapter material: ABS plastic
- working temperature: 0 - 55 °C

scope of delivery:

- 1 water hose | textile | flexible | 3 - 10 m
- 1 multifunctional hand shower in pistol shape and 7 single functions
- 2 quick connectors with 1/2" quick couplings mounted on the hose
- 1 water tap connection adapter, female thread 3/4", male thread 1/2"
- 1 water tap connector with quick coupling, internal thread 1/2"



Item #
70903

Water hose | PVC | with Water Spray Gun and Quick Couplings | 15 m | 6-pcs.

- robust water hose for use in home and garden
- for watering lawns, plants, flowers, planters, trees or shrubs
- also applicable in agriculture
- three-layer hose construction, ensures high pressure resistance and long service life
- pressure-resistant cross-thread fabric made of tear-resistant polyester
- simple plug-in system enables quick and easy connection
- infinitely adjustable water sprayer
- spray intensity adjustable from fine water mist to full jet by rotating movement
- compatible with all conventional irrigation systems

- working pressure: 6 bar
- burst pressure: 18 bar
- wall thickness: 2 mm
- internal hose diameter: 11.5 mm
- external hose diameter: 15.5 mm
- hose material: PVC
- material 1: ABS plastic
- material 2: PP plastic
- working temperature: 0 - 60 °C

scope of delivery:

- 1 water hose, 3-ply, with cross-thread fabric | PVC | 15 m
- 1 water sprayer, infinitely adjustable
- 1 water tap connection adapter, internal thread 3/4" (female), external thread 1/2" (male)
- 1 water tap connector with quick coupling, internal thread 1/2"
- 1 quick connector with quick coupling 1/2"
- 1 quick connector with quick coupling and water stop 1/2"



Item #
70906

Multifunction Garden Hand Shower | with 6 Functions | 5-pcs.

- for watering lawns, plants, flowers, planters, trees or shrubs
 - can also be used for cleaning garden furniture, the terrace or for washing cars
 - simple plug-in system quick and convenient connection and disconnection of hoses
 - ergonomic pistol grip with ribbed structure for safe handling
 - easy grip due to preformed handle design, even with wet hands
 - allows to adjust the water jet to 6 different spray patterns and individual requirements for the respective area of application
 - spray patterns: fog, spray, cone spray, flat spray, shower, spot spray
 - locking clamp for the control lever for continuous operation
 - quick connector with quick couplings and union nuts for a high hose holding force and trouble-free assembly
 - for use with all conventional irrigation systems
- working pressure: 2 - 5 bar
 - hand shower material: plastic (TPR + PP + ABS)
 - water tap connection adapter material: ABS plastic
 - quick couplings material: plastic (PP)
 - working temperature: 0 - 45 °C
 - color: red/black

scope of delivery:

- 1 multifunction hand shower in pistol shape and 6 individual functions
- 1 water tap connection adapter internal thread 3/4" (female), external thread 1/2" (male)
- 1 water tap connector with quick coupling, internal thread 1/2"
- 1 quick connector with quick coupling 1/2"
- 1 quick connector with quick coupling and water stop 1/2"



Item #
70905