

Flexible Ratchet with T-Handle | external square 6.3 mm (1/4")

6.3 ■ 1/4

- profile: external square
- drive profile size, metric: 6.3 mm
- length: 450 mm
- surface finish: polished chrome metal
- drive profile size, inch: 1/4"

Item #
2126



Free Wheel Ratchets

- with square head that can be pushed through but never be lost
- minimal self-centring effect
- with a slim head
- non-insulated handle



Item #	Description
2274	Free Wheel Ratchet external square 6.3 mm (1/4")
2272	Free Wheel Ratchet external square 12.5 mm (1/2")



Reversible Ratchet with swivel Head | 10 mm (3/8")

10 ■ 3/8

- for screwed connections that are hard to reach
- spinning head (360°) is adjustable in every position
- if not adjusted, good for quick screwing

Item #
321



Reversible Ratchet, with exchangeable handle | 12.5 mm (1/2") | 220 - 360 - 565 mm

12.5 ■ 1/2

- the ratchet head can be used with 3 handles with different length, resulting in a ratchet with possible total length of: 220 mm, 360 mm, 565 mm
- fine toothed ratchet head, 48 teeth
- high torque up to 575 Nm

Item #
2315



Reversible Ratchets, extendable

- adjustable and fixable length
- ratchet head adjustable in 10 positions
- fine 72 tooth
- quick release
- chrome vanadium, satin chrome plated



Item #	Description
25105	Reversible Ratchet, extendable, bendable 6.3 mm (1/4") 175 - 225 mm
25106	Reversible Ratchet, extendable, bendable 10 mm (3/8") 240 - 340 mm
25107	Reversible Ratchet, extendable, bendable 12.5 mm (1/2") 345 - 495 mm



Reversible Ratchets, extendable

- adjustable and fixable
- satin chrome plated
- fine 72 tooth
- quick release



Item #	Description
25103	Reversible Ratchet, extendable 6.3 mm (1/4") 150 - 200 Nm
25104	Reversible Ratchet, extendable 12.5 mm (1/2") 305 - 445 Nm
25108	Reversible Ratchet, extendable 12.5 mm (1/2") 450 - 610 mm



Reversible Ratchet with Spinner Handle

- fine toothed
- suitable for left and right operation
- by turning the handle a rotary motion of the drive is achieved, facilitates work in narrow spaces
- conventional ratcheting is also possible
- turning direction indicated on ratchet head
- chrome plated, with ergonomic handle design



Item #	Description
105	Reversible Ratchet with Spinner Handle 6.3 mm (1/4")
106	Reversible Ratchet with Spinner Handle 10 mm (3/8")
107	Reversible Ratchet with Spinner Handle 12.5 mm (1/2")



Reversible ratchets with Ball Head

- 180° adjustable drive head can be adjusted for almost all work positions
- chrome plated
- fine 72 tooth
- quick release

Item #	Description			
112	Reversible Ratchet with Ballpoint	finely toothed	6.3 mm (1/4")	
113	Reversible Ratchet with Ballpoint	finely toothed	10 mm (3/8")	
114	Reversible Ratchet with Ballpoint	finely toothed	12.5 mm (1/2")	



Flexible Ratchet, lockable

- satin chrome plated
- securely adjustable in 5 positions
- 45 tooth
- with quick release
- anti-slip ergonomically shaped 2-component handle



Item #	Description			
285	Flexible Ratchet, lockable	external square 6.3 mm (1/4")		
286	Flexible Ratchet, lockable	external square 10 mm (3/8")		
287	Flexible Ratchet, lockable	external square 12.5 mm (1/2")		



Push-through Ratchet | internal square 6.3 mm (1/4")

6.3 ■ 1/4

- square included (replacement square available under BGS 9161)
- profile: internal square
- drive profile size, metric: 6.3 mm
- drive profile size, inch: 1/4"
- surface finish: satin chrome-plated
- no. of teeth in ratchet head: 30
- handle type: 2-component handle



Item #	Description			
9160	Push-through Ratchet internal square 6.3 mm (1/4")			
9161	Square Head	external square 6.3 mm (1/4")	for BGS 9160	



Push-through Ratchet | internal square 12.5 mm (1/2")

12.5  1/2

- without square head
- anti-slip ergonomically formed 2-component handle
- length: 270 mm
- surface finish: satin chrome plated



Item #	Description
312	Push-through Ratchet internal square 12.5 mm (1/2")
313	Square Drive external square 12.5 mm (1/2") for BGS 312



Ratchet Adaptor | fine gearing | external square 12.5 mm (1/2")

12.5  1/2

- fine toothed (72 tooth)
- reversible clockwise/anticlockwise
- easy to use in combination with handle BGS 265 or 12.5 (1/2") sliding t-bar
- max. diameter 40 mm
- length: 60 mm



Item #
2301



Scaffolding Ratchets

- reversible
- forged shaft



Item #	Description
308	Scaffolding Ratchet 17 x 19 mm
309	Scaffolding Ratchet 17 x 21 mm
310	Scaffolding Ratchet 19 x 22 mm
311	Scaffolding Ratchet 19 x 24 mm
305	Scaffolding Ratchet 24 x 30 mm
306	Scaffolding Ratchet 27 x 32 mm
307	Scaffolding Ratchet 36 x 41 mm



Bit Ratchets

- for adapter-free operation of bits



Item #	Description
354	Bit Ratchet internal Hexagon 6.3 mm (1/4")
353	Bit Ratchet internal Hexagon 10 mm (3/8")



Bit Ratchet | internal Hexagon 8 mm (5/16")

- can also be used as replacement for door hinge tool set BGS 3539
- profile: internal hexagon
- drive profile size, metric: 8 mm
- length: 240 mm
- drive profile size, inch: 5/16"



Item #
3559

Repair Kit for Ratchet Head

- all wearing components for the head of a ratchet in one set



Item #	Description
179	Repair Kit for Ratchet Head on BGS 227
180	Repair Kit for Ratchet Head on BGS 2304
176	Ratchet Head Repair Kit for BGS 302, 315, 318, 25105
177	Ratchet Head Repair Kit for BGS 303, 316, 319, 25106
178	Ratchet Head Repair Kit for BGSs 317, 320, 324, 25104, 25107
182	Repair Kit for Ratchet Head on BGS 302
183	Repair Kit for Ratchet Head on BGS 303
184	Repair Kit for Ratchet Head on BGS 304
321-REPAIR	Ratchet Repair Kit for BGS 321
322-REPAIR	Ratchet Repair Kit for BGS 322
323-REPAIR	Ratchet Repair Kit for BGS 323
355-REPAIR	Ratchet Repair Kit for BGS 355
356-REPAIR	Ratchet Repair Kit for BGS 356
357-REPAIR	Ratchet Repair Kit for BGS 357
211-REPAIR	Ratchet Repair Kit for BGS 211
2315-REPAIR	Ratchet Repair Kit for BGS 2315, 1204
232-REPAIR	Ratchet Repair Kit for BGS 232
300-REPAIR	Repair Kit for Ratchet for BGS 300



Flexible extension bar | 6.3 mm (1/4")



Item #	Description
2320	Flexible Extension bar 6.3 mm (1/4") 150 mm
2321	Flexible Extension Bar 6.3 mm (1/4") 450 mm



Special Extension Bar | 6.3 mm (1/4")

6.3  1/4

- especially suitable for difficult to access screws
- useful for e.g. screws on front engine covers on transverse-mounted engines and other applications
- chain driven
- 265 mm extension
- max. torque 55 Nm
- length: 300 mm
- width: 33 mm



Item #
8616

Extension Bar Set | 6.3 mm (1/4") | 300 / 380 / 450 mm

6.3  1/4

- profile: external square
- drive profile size, metric: 6.3 mm
- material: carbon steel
- surface finish: polished chrome metal
- drive profile size, inch: 1/4"



Item #
2235



"Wobble" Extension Bar Set | 6.3 mm (1/4") | 50 / 150 / 250 mm | 3 pcs.

6.3  1/4

- knurled
- 3 extension bars, 6.3 mm (1/4") drive: 50 - 150 - 250 mm
- surface finish: satin chrome-plated



Item #
2233



"Wobble" Extension Bar Set | 6.3 mm (1/4") / 10 mm (3/8") / 12.5 mm (1/2") | 9 pcs.

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

- 3 "wobble" extension bars, 6.3 mm (1/4") drive: 50 - 100 - 250 mm
- 3 "wobble" extension bars, 10 mm (3/8") drive: 75 - 150 - 250 mm
- 3 "wobble" extension bars, 12.5 mm (1/2") drive: 50 - 125 - 250 mm



Item #
2253



Extension Bar Set | 10 mm (3/8") | 375 / 450 / 600 mm | 3 pcs.

10  3/8

- profile: external square
- drive profile size, metric: 10 mm
- material: carbon steel
- surface finish: polished chrome metal
- drive profile size, inch: 3/8"



Item #
2236



"Wobble" Extension Bar Set | 10 mm (3/8") | 75 / 150 / 250 mm | 3 pcs.

10  3/8

- knurled
- surface finish: satin chrome plated

Item #
2239



Special Extension Bar | 10 mm (3/8")

10  3/8

- especially suitable for difficult to access screws
- useful for e.g. screws on front engine covers on transverse-mounted engines and other applications
- chain driven
- 265 mm extension
- max. torque 150 Nm
- length: 300 mm
- width: 33 mm

Item #
8617



Impact Extensions

- for both manual and impact wrenches
- can be fixed on impact wrench by pin and O-ring
- length: 75 mm
- surface finish: black burnished



Item #	Description
192	Impact Extension Bar 12.5 mm (1/2") 75 mm
193	Impact Extension Bar 12.5 mm (1/2") 125 mm
194	Impact Extension Bar 12.5 mm (1/2") 250 mm



Impact Extension Bar with Ball Bearing Handle | 12.5 mm (1/2") | 200 mm

12.5  1/2

- for both manual and impact wrenches
- can be fixed on impact wrench by pin and O-ring
- also an additional handle, for easy holding heavy machines with two hands
- only the interior extension bar spins the handle stays firmly in its place
- profile: external square
- drive profile size, metric: 12.5 mm
- length: 200 mm
- drive profile size, inch: 1/2"

Item #
191



Extension Bar Set | 12.5 mm (1/2") | 450 / 600 / 750 mm | 3 pcs.

- profile: external square
- drive profile size, metric: 12.5 mm
- material: carbon steel
- surface finish: polished chrome metal
- drive profile size, inch: 1/2"

Item #
2237



"Wobble" Extension Bar Set | 12.5 mm (1/2") | 50 / 125 / 250 mm | 3 pcs.

12.5 mm 1/2"

- knurled
- 3 extension bars, 12.5 mm (1/2") drive: 50 - 125 - 250 mm
- surface finish: satin chrome-plated

Item #
2240



Flexible Extension Bar | 12.5 mm (1/2") | 190 mm

12.5 mm 1/2"

- profile: external square
- drive profile size, metric: 12.5 mm
- length: 190 mm
- surface finish: chrome-plated
- drive profile size, inch: 1/2"

Item #
2323



Flexible Extension Bar | external/internal square 12.5 mm (1/2") | 300 mm

12.5 mm 1/2"

- allows screwing also in hard to reach areas
- 360° twistable
- only for putting screws in place or hand-tight screw connections
- length: 300 mm

Item #
8483



LED Extension Bar | 12.5 mm (1/2") | 63 mm

12.5 mm 1/2"

- 12.5 mm (1/2") extension bar with built in LED light
- illuminates the working area through the socket
- batteries and spare batteries included
- length: 63 mm

Item #
3125



Extension Bar Set with magnetic holders | 6.3 mm (1/4") / 10 mm (3/8") / 12.5 mm (1/2") | 3 pcs.

- holds screws and nuts in the socket after loosening in socket
- extension bar 6.3 mm (1/4") drive
- extension bar 10 mm (3/8") drive
- extension bar 12.5 mm (1/2") drive

Item #
198



Impact Extension Bar Set | external/internal square 20 mm (3/4") | 3 pcs.

20 3/4

- for both manual and impact wrenches
- can be fixed on impact wrench by pin and O-ring
- Impact extension: 100 mm
- Impact extension: 150 mm
- Impact extension: 250 mm

Item #
8840



Electric Drill Wobble Adaptor Set | 6.3 mm (1/4") drive | 3 pcs.

6.3 1/4

- adaptor, length 65 mm drive outer square with retaining ball 6.3 mm (1/4")
- adaptor, length 65 mm drive outer square with retaining ball 10 mm (3/8")
- adaptor, length 72 mm drive outer square with retaining ball 12.5 mm (1/2")

Item #
9162



Socket Adaptor | 65 mm | SDS external square 12.5 mm (1/2")

- for adaptation of e.g. sockets on SDS-machines
- length: 65 mm

Item #
8214-1



Adaptor Set | SDS - external square 6.3 mm (1/4"), 10 mm (3/8"), 12.5 mm (1/2") | 3 pcs.

- the adaptor kit allows use of square socket wrench inserts with SDS Drills

Item #
8214



Bit Ratchet Adaptors | 30 mm

Item #	Description
2229-1	Bit Ratchet Adaptor ext. Hexagon 8 mm (5/16") - ext. square 10 mm (3/8") 30 mm
8202	Bit Ratchet Adaptor ext. Hexagon 6.3 mm (1/4") - ext. square 6.3 mm (1/4") 30 mm



Adaptor Set | 6 pcs.

- 1 adaptor 6.3 mm (1/4") drive - external square 10 mm (3/8"), max. capacity 60 Nm
- 1 adaptor 10 mm (3/8") drive - external square 6.3 mm (1/4"), max. capacity 60 Nm
- 1 adaptor 10 mm (3/8") drive - external square 12.5 mm (1/2"), max. capacity 200 Nm
- 1 adaptor 12.5 mm (1/2") drive - external square 10 mm (3/8"), max. capacity 200 Nm
- 1 adaptor 12.5 mm (1/2") drive - external square 20 mm (3/4"), max. capacity 500 Nm
- 1 adaptor 20 mm (3/4") drive- external square 12.5 mm (1/2"), max. capacity 500 Nm
- surface finish: satin chrome plated

Item #
199



Impact Adaptor Set | 6 pcs.

- suitable for both manual and impact wrenches
- can be fixed on impact wrench by pin and O-ring
- 1 adaptor 6.3 mm (1/4") drive - external square 10 mm (3/8"), max. capacity 60 Nm
- 1 adaptor 10 mm (3/8") drive - external square 6.3 mm (1/4"), max. capacity 60 Nm
- 1 adaptor 10 mm (3/8") drive - external square 12.5 mm (1/2"), max. capacity 200 Nm
- 1 adaptor 12.5 mm (1/2") drive - external square 10 mm (3/8"), max. capacity 200 Nm
- 1 adaptor 12.5 mm (1/2") drive - external square 20 mm (3/4"), max. capacity 500 Nm
- 1 adaptor 20 mm (3/4") drive - external square 12.5 mm (1/2"), max. capacity 500 Nm

Item #
200



Impact Adaptor and Universal Joint Set | 6.3 mm (1/4") - 25 mm (1") | 11 pcs.

- suitable for both manual and impact wrenches
- can be fixed on impact wrench by pin and O-ring
- Adaptor 6.3 mm (1/4") drive - external square 10 mm (3/8")
- Adaptor internal square 10 mm (3/8") - external square 6.3 mm (1/4")
- Adaptor internal square 10 mm (3/8") - external square 12.5 mm (1/2")
- Adaptor 12.5 mm (1/2") drive - external square 10 mm (3/8")
- Adaptor 12.5 mm (1/2") drive - external square 20 mm (3/4")
- Adaptor internal square 20 mm (3/4") - external square 12.5 mm (1/2")
- Adaptor internal square 20 mm (3/4") - external square 25.4 mm (1")
- Adaptor internal square 25.4 mm (1") - external square 20 mm (3/4")
- 3 universal joints external/internal square: 6.3 mm (1/4"), 10 mm (3/8"), 12.5 mm (1/2")

Item #
25140



Socket Rails with Clips

- manufactured from metal
- with eye
- suitable for sockets

Item #	Description
2316	Socket Rail with 7 Clips 6.3 mm (1/4")
2120	Socket Rail with 15 Clips 6.3 mm (1/4")
2317	Socket Rail with 7 Clips 10 mm (3/8")
2330	Socket Rail with 15 Clips 10 mm (3/8")
2318	Socket Rail with 7 Clips 12.5 mm (1/2")
2540	Socket Rail with 15 Clips 12.5 mm (1/2")
3460	Socket Rail with 12 Clips 20 mm (3/4")



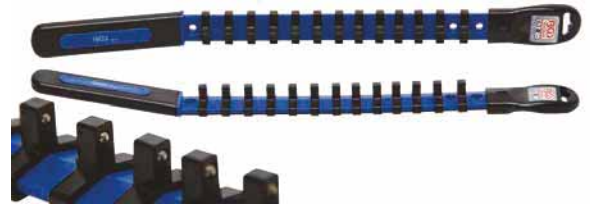
Socket Rails

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

- with locking ball



Item #	Description
9193	Socket Rail with 13 Clips 6.3 mm (1/4")
9194	Socket Rail with 11 Clips 10 mm (3/8")
9195	Socket Rail with 9 Clips 12.5 mm (1/2")



Spinner Handle for bits | external square 6.3 mm (1/4") | 200 mm

- magnetic bit holder
- anti-slip ergonomically formed 2-component handle
- profile: internal hexagon
- drive profile size, metric: 6.3 mm
- length: 200 mm
- drive profile size, inch: 1/4"

Item #
217



Bit Screwdriver for Bits with flexible Shaft | 6.3 mm (1/4")

- magnetic bit holder
- anti-slip ergonomically formed 2-component handle
- length: 260 mm

Item #
7829



Ratchet Spinner Handle for bits, reversible | 6.3 mm (1/4") drive

- ratchet mechanism with 18 teeth
- magnetic bit holder
- continuously adjustable shaft length from 35 to 145 mm
- 2-component handle
- length: 200 - 305 mm

Item #
9150



Spinner Handle | external square 6.3 mm (1/4") | 150 mm

6.3 ■ 1/4

- profile: external square
- drive profile size, metric: 6.3 mm
- length: 150 mm
- surface finish: chrome-plated
- drive profile size, inch: 1/4"

Item #
239



Spinner Handle | external square 6.3 mm (1/4") | 150 mm

6.3 ■ 1/4

- anti-slip ergonomically formed 2-component handle
- profile: external square
- drive profile size, metric: 6.3 mm
- length: 150 mm
- surface finish: satin chrome plated
- drive profile size, inch: 1/4"

Item #
216



Flexible Socket Driver | external square 6.3 mm (1/4")

6.3 ■ 1/4

- anti-slip 2-component handle
- profile: internal square
- drive profile size, metric: 6.3 mm
- overall length: 275 mm
- drive profile size, inch: 1/4"

Item #
7825



Double T-Handles for BGS 7985

- with two bit holders
- Bit holder is optionally available under BGS 1729
- for 6.3 mm (1/4") Bits

Item #
7985-1



T-handles

- ergonomically designed handle
- satin chrome plated



Item #	Description
7800	T-Handle external square 6.3 mm (1/4") 230 mm
7802	T-Handle external square 10 mm (3/8") 230 mm
7805	T-Handle external square 12.5 mm (1/2") 230 mm



T-Handle | wobbly type

- wobble type makes it especially suitable for hard to reach places
- ergonomic handle
- with hanging holes



Item #	Description
7802-1	T-Handle wobbly type 10 mm (3/8") 230 mm
7805-1	T-Handle wobble type 12.5 mm (1/2") 230 mm



Universal Joints

- satin chrome plated
- DIN 3123



Item #	Description
250	Universal Joint 6.3 mm (1/4")
299	Universal Joint 10 mm (3/8")
251	Universal Joint 12.5 mm (1/2")



Universal Joint Set | with spring | 6.3 mm (1/4") / 10 mm (3/8") / 12.5 mm (1/2") | 3 pcs.

- 1 universal joint, 6.3 mm (1/4")
- 1 universal joint, 10 mm (3/8")
- 1 universal joint, 12.5 mm (1/2")
- surface finish: polished chrome metal



Item #
252



Impact Ball Joint Set | 3 pcs.

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

- suitable for both manual and impact wrenches
- can be fixed on impact wrench by pin and O-ring
- material: chrome molybdenum steel
- 6.3 mm (1/4") drive | external square 6.3 mm (1/4")
- 10 mm (3/8") drive | external square 10 mm (3/8")
- 12.5 mm (1/2") drive | external square 12.5 mm (1/2")



Item #
9459



Impact Ball Joint

- suitable for both manual and impact wrenches
- can be fixed on impact wrench by pin and O-ring



Item #	Description
188	Impact Ball Joint 6.3 (1/4")
189	Impact Ball Joint 10 mm (3/8")
190	Impact Ball Joint 12.5 mm (1/2")
197	Impact Ball Joint 20 mm (3/4")



Flexible Handle, extendable | external square 12.5 mm (1/2") | 450 - 600 mm

12.5  1/2

- black finish head
- profile: external square
- drive profile size, metric: 12.5 mm
- length: 450 - 600 mm
- surface finish: satin chrome plated
- max. capacity: 550 Nm
- drive profile size, inch: 1/2"

Item #
258



Flexible Handle with reversible Ratchet | external square 12.5 mm (1/2"), 620 mm

- profile: external square
- drive profile size, metric: 12.5 mm
- length: 620 mm
- max. capacity: 512 Nm
- drive profile size, inch: 1/2"



Item #	Description
228	Flexible Handle with reversible Ratchet external square 12.5 mm (1/2"), 620 mm
228-1	Repair Kit for Flexible Handle for BGS 228



Sliding Adaptors for Extension Bars

- satin chrome plated



Item #	Description	
288	Sliding Adaptor for Extension Bars	external square 10 mm (3/8")
289	Sliding Adaptor for Extension Bars	external square 12.5 mm (1/2")
263-1	Sliding Adaptor for Extension Bars	external square 20 mm (3/4")
206	Sliding Adaptor for Extension Bars	external square 25 mm (1")



Torque Wrench | 6.3 mm (1/4") | 2 - 10 Nm

6.3 ■ 1/4

- 6.3 mm (1/4") drive
- auto-locking
- release with „click signal"
- particularly suitable for tightening the sensors of Tire Pressure Monitoring Systems (TPMS)

Item #
8661



Torque Wrench | 6.3 mm (1/4") | 1 - 5 Nm

6.3 ■ 1/4

- incl. bit-adaptor
- auto-locking
- release with „click signal"
- accuracy: ±6%
- packed in a plastic case
- length: 235 mm

Item #
975



Digital Torque Wrench | 6.3 mm (1/4") | 1 - 10 Nm

6.3 ■ 1/4

- for tightening and loosening of screws with left- and right-hand threads
- perfect for e.g. installation of tire pressure sensors
- incl. adaptor external hexagon 6.3 mm (1/4") to external square 6.3 mm (1/4")
- torque range: 1 - 10 Nm (10 - 100 in-lb)
- operating mode: peak & track
- memory: 10 readings
- unit selection: Nm, Ft-lb, In-lb, Kg-m
- battery: 3 1.5 V AAA (UM-4)
- profile: internal hexagon
- drive profile size, metric: 6.3 mm
- drive profile size, inch: 1/4"
- max. torque: 10 Nm
- min. torque: 1 Nm
- battery type: 3 AAA | 1.5 V
- operating temperature: -10 - +55 °C
- accuracy left/right: +/- 1 / +/- 1.5 %
- storage temperature: -40 - 85 °C
- humidity: 0 - 90 %

Item #
956



Torque Wrenches

- reversible ratchet with automatic release via click signal
- set torque is locked by stop screw
- delivered with calibration certificate

Item #	Description
960	Torque Wrench 6.3 mm (1/4") 5 - 25 Nm
959	Torque Wrench 10 mm (3/8") 5 - 25 Nm
962	Torque Wrench 10 mm (3/8") 7 - 105 Nm
98	Torque Wrench + Adaptor + Extension Bar 12.5 mm (1/2") 28 - 210 Nm
964	Torque Wrench 12.5 mm (1/2") 70 - 350 Nm



Torque Wrenches

- reversible ratchet with automatic release via click signal
- set torque is locked by sliding bush
- high precision
- delivered with calibration certificate

Item #	Description
967	Torque Wrench 6.3 mm (1/4") 6 - 30 Nm
966	Torque Wrench 10 mm (3/8") 20 - 110 Nm
965	Torque Wrench 12.5 mm (1/2") 42 - 210 Nm
971	Torque Wrench 12.5 mm (1/2") 70 - 350 Nm
968	Torque Wrench 20 mm (3/4") 100 - 500 Nm
969	Torque Wrench 20 mm (3/4") 140 - 700 Nm
990	Torque Wrench 20 mm (3/4") 140 - 980 Nm
970	Torque Wrench 25 mm (1") 140 - 980 Nm



Torque Wrench | 6.3 mm (1/4") | 1 - 6 Nm

6.3 mm 1/4"

- Reversible ratchet with quick release button
- clicks when the previously set torque value is reached
- right side use only
- resolution: +/- 4%
- delivered with calibration certificate

Item #
954



Torque Wrenches

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

- ratcheting head, reversible, 48 teeth
- suitable on screws with right **and left hand thread**
- torque display in both directions
- viewing window for torque value
- Resolution: +/- 4%, incl. test certificate

• BGS 2803

Torque range: 5 - 25 Nm
Fine scale: 0.1 Nm
Length: 320 mm

• BGS 2804

Torque range: 20 - 100 Nm
Fine scale: 0.5 Nm
Length: 401 mm

• BGS 2805

Torque range: 40 - 200 Nm
Fine scale: 0.5 Nm
Length: 500 mm

• BGS 2806

Torque range: 60 - 640 Nm
Fine scale: 1.0 Nm
Length: 604 mm

• BGS 2807

Torque range: 150 - 750 Nm
Fine scale: 2.5 Nm
Length: 1210 mm

• BGS 2808

Torque range: 200 - 1000 Nm
Fine scale: 2.5 Nm
Length: 1500 mm



Item #	Description
2803	Torque Wrench 6.3 mm (1/4") 5 - 25 Nm
2804	Torque Wrench 10 mm (3/8") 20 - 100 Nm
2805	Torque Wrench 12.5 mm (1/2") 40 - 200 Nm
2806	Torque Wrench 12.5 mm (1/2") 60 - 340 Nm
2807	Torque Wrench 20 mm (3/4") 150 - 750 Nm
2808	Torque Wrench 25 mm (1") 200 - 1000 Nm

Torque Wrench Set | 6.3 mm (1/4") | 6 - 30 Nm | 10 pcs.

6.3  1/4

- with interchangeable heads
- reversible ratchet head with external square 6.3 mm (1/4")
- 8 open end spanner heads in following sizes: 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 mm

Item #
8856



Torque Wrench | 10 mm (3/8") | 13.6 - 108.5 Nm

10  3/8

- set torque is locked by stop crew
- incl. adaptor 10 mm (3/8) to 12.5 mm 1/2"
- length: 280 mm

Item #
961



Digital Torque Wrench | 12.5 mm (1/2") | 20 - 200 Nm

12.5  1/2

- for precise adjustment of the torque
- digital display
- always shows current torque in display when working
- works in both left and right direction
- torque can be displayed via push button
- makes acoustic signal when reaching the preset torque
- torque can be displayed in NM, ft-lb, lbf-inch
- profile: external square
- drive profile size, metric: 12.5 mm
- max. torque: 200 Nm
- min. torque: 20 Nm
- drive profile size, inch: 1/2"

Item #
973



Torque Wrench Set | 40 - 210 Nm | 11 pcs.

12.5  1/2

- includes calibration certificate
- 9 open end spanner heads 13 - 14 - 15 - 17 - 19 - 22 - 24 - 27 - 30 mm
- 14 x 18 mm square drive for open end heads

Item #
958



Torque Wrench | left/right | 12.5 mm (1/2") | 70 - 350 Nm

- left and right operation
- "Go-thru" square head for changing the direction
- automatic triggering by click signal
- set torque is locked by sliding bush
- profile: external square
- drive profile size, metric: 12.5 mm
- length: 650 mm
- max. torque: 350 Nm
- min. torque: 70 Nm
- drive profile size, inch: 1/2"



Item #
2798

Torque Multiplier Set | 25 mm (1") | 10 pcs.

25 ■ 1

- for loosening stuck wheel nut sockets on trucks and vans
- maximum torque 3200 Nm
- gear ratio 1:56
- includes 7 sockets made from chrome vanadium steel
- socket sizes: 24 - 27 - 30 - 32 - 33 - 36 - 38 mm



Item #	Description
1230	Torque Multiplier Set 25 mm (1") 10 pcs.
1230-REPAIR	Torque Multiplier Repair Kit for BGS 1230

Torque Multiplier

25 ■ 1

- for loosening stuck wheel nut sockets on trucks and vans
- maximum torque 3200 Nm
- gear ratio 1:56



Item #
1230-1

Torque Multiplier Set | 12.5 mm (1/2") + 20 mm (3/4") | 6 pcs.

12.5 ■ 1/2 20 ■ 3/4

- 12.5 mm (1/2") drive, max. torque absorption 300 Nm
- 20 mm (3/4"), max. torque 1,000 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 12.5 mm (1/2") ratchet with quick release function (finely toothed) and crank handle for quick and easy spinning
- includes power adaptor 20 mm (3/4") drive x 12.5 (1/2") output for working on standard wheel nuts
- length: 460 mm



Item #	Description
1204	Torque Multiplier Set 12.5 mm (1/2") + 20 mm (3/4") 6 pcs.
1204-REPAIR	Torque Multiplier Repair Kit for BGS 1204

Torsion Bar Set | 5 pcs.

12.5  1/2

- 100 - 110 - 120 - 135 - 150 Nm
- length 195 mm

Item #	Description
185	Torsion Bar Set 5 pcs.
186	Torsion Bar 100 Nm
187	Torsion Bar 110 Nm
185-120	Torsion Bar 120 Nm
185-135	Torsion Bar 135 Nm
185-150	Torsion Bar 150 Nm



Digital Torque Adaptor

- allows to use a ratchet as a torque wrench
- accuracy +/- 2%
- for right- and leftside operation

Item #	Description
979	Digital Torque Adaptor 6.3 mm (1/4") 6 - 30 Nm
978	Digital Torque Adaptor 10 mm (3/8") 27 - 135 Nm
977	Digital Torque Adaptor 12.5 mm (1/2") 40 - 200 Nm



Angular Gauge for angular torque | 12.5 mm (1/2") drive

12.5  1/2

- use in combination with torque wrenches, ratchets, sockets and accessories
- to accurately set the angle required
- scale 90 mm Ø, 0 - 360°, 2° partition

Item #
3070



Angle Gauge | 12.5 mm (1/2") drive

- angle scale: 0 - 360°
- stop screw

Item #
3084



Angular Gauge with clip arm | 12.5 mm (1/2") drive

12.5 ■ 1/2

- precise workshop finish
- to accurately set the angle required
- max. capacity approx. 280 Nm

Item #
3169



Angular Gauge with magnetic arm | 12.5 mm (1/2") drive

12.5 ■ 1/2

- precise workshop finish
- to accurately set the angle required
- max. capacity approx. 280 Nm

Item #
3170



Angular Gauge with magnetic arm | 20 mm (3/4") drive

20 ■ 3/4

- precise workshop finish
- to accurately set the angle required

Item #
8439



Repair Sets for Torque Wrenches

Item #	Description
2798-REPAIR	Torque Wrench Repair Kit for BGS 2798
2799-REPAIR	Torque Wrench Repair Kit for BGS 2799
2800-REPAIR	Torque Wrench Repair Kit for BGS 2800
2801-REPAIR	Torque Wrench Repair Kit for BGS 2801
2803-REPAIR	Torque Wrench Repair Kit for BGS 2803
2804-REPAIR	Torque Wrench Repair Kit for BGS 2804
2805-REPAIR	Torque Wrench Repair Kit for BGS 2805
2806-REPAIR	Torque Wrench Repair Kit for BGS 2806
958-REPAIR	Torque Wrench Repair Kit for BGS 958
959-REPAIR	Torque Wrench Repair Kit for BGS 959
965-1	Spare Ratchet Plate for Torque Wrench + for BGS 965
965-2	Spare Ratchet Plate for Torque Wrench - for BGS 965
965-REPAIR	Torque Wrench Repair Kit for BGS 965
966-REPAIR	Torque Wrench Repair Kit for BGS 966
967-REPAIR	Torque Wrench Repair Kit for BGS 967, 960
968-1	Spare Ratchet Plate for Torque Wrench + for BGS 968
968-2	Spare Ratchet Plate for Torque Wrench - for BGS 968
968-REPAIR	Torque Wrench Repair Kit for BGS 968, 990
969-REPAIR	Torque Wrench Repair Kit for BGS 969, 990
970-REPAIR	Torque Wrench Repair Kit for BGS 970
971-REPAIR	Torque Wrench Repair Kit for BGS 971, 964
973-REPAIR	Torque Wrench Repair Kit for BGS 973
2808-REPAIR	Torque Wrench Repair Kit for BGS 2808
2807-REPAIR	Torque Wrench Repair Kit for BGS 2807



External / internal Puller, 2-arm | max. 75 mm

- suitable as inside and outside puller
- clamping width max. 70 mm
- clamping depth 37 mm
- forged

Item #
9408



External / internal 2-Arm Puller

- can be used as internal / external Puller
- forged

Item #	Description
7690	External / internal 2-Arm Puller 65 - 100 mm
7691	External / internal 2-Arm Puller 75 - 115 mm
7692	External / internal 2-Arm Puller 76 - 165 mm
7693	External / internal 2-Arm Puller 150 - 210 mm
7694	External / internal 2-Arm Puller 210 - 300 mm
7695	External / internal 2-Arm Puller 225 - 310 mm



External / internal 2-Arm Puller

- forged
- galvanized, zinc coated
- reversible

Item #	Description
7713	External / internal 2-Arm Puller 15 - 120 mm
7714	External / internal 2-Arm Puller 20 - 140 mm
7716	External / internal 2-Arm Puller 25 - 195 mm
7718	External / internal 2-Arm Puller 40 - 225 mm



Parallel Puller, fine Thread, 2-legs | 40 - 95 mm

- forged
- 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

Item #
7780



Parallel Puller, fine Thread, 2-legs | 50 - 130 mm

- forged
- 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



Item #

7781

Parallel Puller, fine Thread, 2-legs | 50 - 150 mm

- forged
- 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



Item #

7782

Parallel Puller, fine Thread, 2-legs | 40 - 200 mm

- forged
- 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



Item #

7783

Parallel Puller, fine Thread, 2-legs | 50 - 240 mm

- forged
- parallel puller hooks in every working position, can be used for inside and outside pulling via detachable and adjustable puller hooks



Item #

7784

Universal Puller Set, 2-arm | 35 - 130 mm | 7 pcs.

- suitable as inside and outside puller



Item #
7785

External / internal 3-Arm Puller

- Can be used as Internal / External Puller

Item #	Description
7696	External / internal 3-Arm Puller 20 - 100 mm
7697	External / internal 3-Arm Puller 25 - 120 mm
7698	3-Arms External / internal Puller 30 - 150 mm
7699	External / internal Puller 3-arm 40 - 210 mm
7700	3-Arms External / internal Puller 50 - 300 mm
7701	External / internal Puller 3-arm 50 - 300 mm



External / internal 3-Arm Puller

- forged
- reversible
- surface finish: galvanised, electroplated

Item #	Description
7723	External / internal Puller 3-arm 20 - 100 mm
7724	External / internal Puller 3-arm 20 - 110 mm
7726	3-Arms External / internal Puller 25 - 160 mm
7728	External / internal Puller 3-arm 30 - 210 mm



External / internal Puller, 2-arm | 50 - 145 mm / 70 - 170 mm

- suitable as inside and outside puller
- Clamping range as inside puller 50 - 145 mm
- Clamping range as external puller 70 - 170 mm
- slotted puller arm also suitable for small sleeves, bearing, gears, pulleys etc.
- structured puller arm for better grip
- good centering by cone-shaped pressure piece
- incl. flat pressure piece
- spindle drive is possible via internal square 1/2", external hexagon 21 mm or rod
- spindle made of carbon steel
- max. clamping width outside puller 170 mm
- max. clamping width inside puller 145 mm
- min. clamping width outside puller 70 mm
- min. clamping width inside puller 50 mm



Item #
7737

Miniature Puller, 3-arm | 19 - 45 mm

- especially for quick pulling of small ball-bearings
- for air-condition, generators, electronic pumps, impact tools, standard house holding machines, etc.



Item #
7738

External / internal Puller Set, 2 and 3-arm | 13 pcs.

- puller depth: 105 - 210 mm and 265 mm
- puller legs are suitable for 2- and 3-leg crossbars, puller width: up to 135 mm
- free moving legs allow internal and external pulling operations
- hardened pulling feet (width approx. 25 mm, thickness approx. 4 mm)
- 2 spindles approx. 165 mm and 280 mm with M14 x 1.5 mm thread



Item #	Description
7760	External / internal Puller Set, 2 and 3-arm 13 pcs.
7760-LEER	Empty Case for BGS 7760
7760-1	Spare Hook Leg for BGS 7760
7760-2	Spare Claw for Puller extra slim 3 pcs. for BGS 7760

External / internal Puller, 2 and 3-arm

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



Item #	Description
7790	External / internal Puller, 2 and 3-arm 76 - 102 mm
7791	External / internal Puller, 2 and 3-arm 76 - 178 mm



Bearing Puller Set | 10 pcs.

- max. puller depth 200 mm
- clamping width: 20 - 100 mm
- interchangeable heads Ø 5.5 - 6 - 8 mm

Item #
7744



Splitting Knife Set for Ball Bearing Assemblies | 14 pcs.

- incl. shifter
- for removing bearings, internal rings and other tightly and narrowly mounted parts
- clamping width (A) min. / max. in mm: min. 17 mm / max. 60 mm
- puller bolt receiving thread (B): 3/8" x 16 UNC
- clamping bolt distance (C) in mm: 90 mm
- clamping bolt thread (D): 1/2" x 20 UNF
- puller bolt distance (E) min. / max. in mm: min. 84 mm / max. 127 mm
- clamping bolt length (F): 136 mm
- splitting knife base (G) min. / max. in mm: min. 52 mm / max. 95 mm
- clamping width (A) min. / max. in mm: min. 8 mm / max. 64 mm
- puller bolt receiving thread (B): 3/8" x 16 UNC
- clamping bolt distance (C) in mm: 63 mm
- clamping bolt thread (D): 3/8" x 24 UNF
- puller bolt distance (E) min. / max. in mm: min. 50 mm / max. 106 mm
- clamping bolt length (F): 125 mm
- splitting knife base (G) min. / max. in mm: min. 26 mm / max. 82 mm



Item #	Description
7750	Splitting Knife Set for Ball Bearing Assemblies 14 pcs.
7750-LEER	Empty Case for BGS 7750

Ball Bearing Separator

- drop forged
- chrome plated

BGS 7741

- bolts Ø: 9.5 mm x 125 mm
- bolt threads: 3/8" x 24 UNF
- splitting knife thread: 3/8" x 16 UNC

BGS 7749

- bolts Ø: 12.7 x 135 mm
- bolt threads: 1/2" x 20 UNF
- splitting knife thread: 3/8" x 16 UNC

BGS 7742

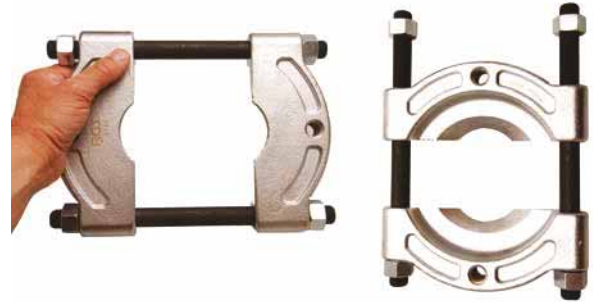
- bolts Ø: 16 mm x 165 mm
- bolt threads: 5/8" x 18 UNF
- splitting knife thread 1/2" x 13 UNC

BGS 8767

- bolts Ø: 19 mm, 260 mm
- bolt threads: 3/4" x 16 UNF
- splitting knife thread 5/8" x 11 UNC

BGS 8768

- bolts Ø 25.5 mm, 350 mm
- bolt threads: 1" x 12 UNF
- splitting knife thread 3/4" x 10 UNC



Item #	Description
7741	Ball bearing Separator 5 - 63 mm
7749	Ball Bearing Separator 12 - 62 mm
7742	Ball Bearing Separator 18 - 83 mm
8767	Ball Bearing Separator 29 - 168 mm
8768	Ball Bearing Separator 39 - 225 mm

Splitting Knife Set for Ball Bearing Assemblies | 6 pcs.

- total length of central bolt is 290 mm
- see BGS 7742 for separate splitting knife
- clamping width (A) min. / max. in mm: min. 13 mm / max. 70 mm
- puller bolt receiving thread (B): 1/2" x 13 UNC
- clamping bolt distance (C) in mm: 113 mm
- clamping bolt thread (D): 1/2" x 13 UNC
- puller bolt distance (E) min. / max. in mm: min. 90 mm / max. 147 mm
- clamping bolt length (F): 166 mm
- splitting knife base (G) min. / max. in mm: min. 57 mm / max. 114 mm



Item #
7753

Hydraulic Puller | 10 t

- hydraulic ram 10 ton
- 2 extension rods
- one twin head and one triple head
- 3 legs each in 100, 150 und 200 mm lengths:
- max. pulling width:
 - 240 mm at 100 mm puller legs length
 - 280 mm at 150 mm puller legs length
 - 300 mm at 200 mm puller legs length
- clamping width (A) min. / max. in mm: min. 14 mm / max. 62 mm
- puller bolt receiving thread (B): 5/8" x 18 UNF
- clamping bolt distance (C) in mm: 111 mm
- clamping bolt thread (D): 5/8" x 18 UNF
- puller bolt distance (E) min. / max. in mm: min. 64 mm / max. 210 mm



Item #
7729

Hydraulic Spindle for Puller and Ejector | 12 t

- produces up to 12 t pressure
- to be used with BGS 7729, 1525, 7774
- can be operated by spinner bar or socket
- thread: UN 1-1/2"x16

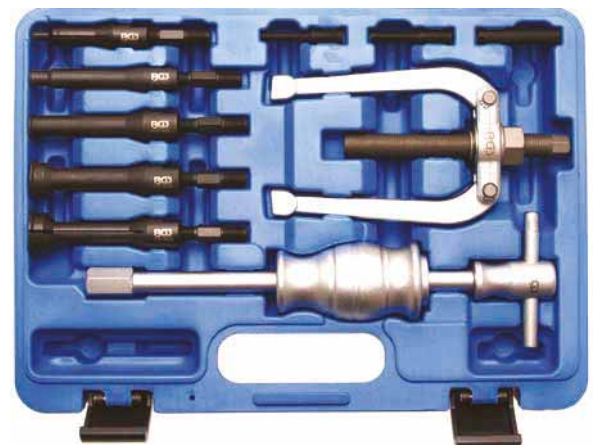
Item #	Description
7721-X	Hydraulic Spindle for Puller and Ejector 12 t
7721-X-KAPPE	Press Cap for BGS 7721-X



Blind Hole Bearing Puller Set | 10 pcs.

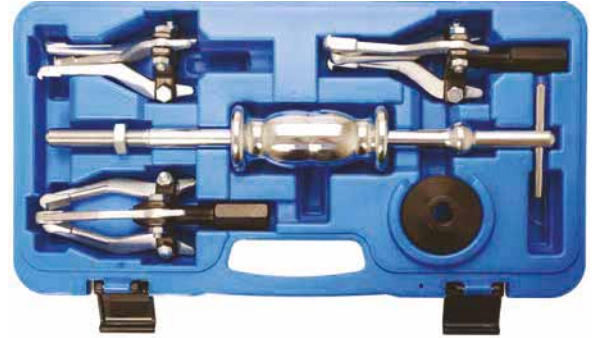
- puller bolt and adaptors for use with slide hammer and two-arm pullers
- 1 sliding hammer 910 g, length: 285 mm
- 1 puller with puller width 125 mm
- 5 extraction mandrels for extracting of bearings with inner diameter 7 - 29 mm
- 3 adaptors for extracting components with internal thread M6 x 1.0 - M8 x 1.25 - M10 x 1.5

Item #	Description
7710	Blind Hole Bearing Puller Set 10 pcs.
7710-1	Puller with Spindle max. 125 mm for BGS 7710
7710-12x17	Pulling Mandrel with Spindle 12 x 17 mm for BGS 7710
7710-18x23	Pulling Mandrel with Spindle 18 x 23 mm for BGS 7710
7710-24x29	Pulling Mandrel with Spindle 24 x 29 mm for BGS 7710
7710-30x34	Pulling Mandrel with Spindle 30 x 34 mm for BGS 7710
7710-8x11	Pulling Mandrel with Spindle 8 x 11 mm for BGS 7710



External / internal Puller Set | 5 pcs.

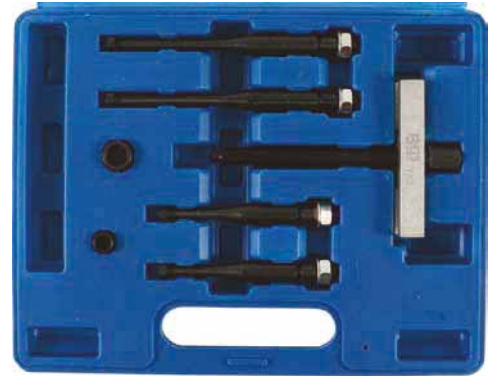
- for shaft seals
- hardened carbon steel
- external triple leg puller 40 to 80 mm
- internal triple leg puller 50 to 150 mm
- 1 deep puller
- 1 convex screw connection



Item #	Description
7734	External / internal Puller Set 5 pcs.
7734-2	Sliding Hammer for internal/External Puller for BGS 7734

Steering Wheel Puller Set | 87 - 153 mm | 8 pcs.

- all-purpose
- esp. for Opel and Ford
- leg length optional 87 or 153 mm



Item #
7752

Bearing Inner Ring Puller | for Mercedes | 11 pcs.

- for removing the inner bearing ring from the wheel hub
- fits on most vehicles with ring diameter 56 - 68 mm
- 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
- ring wrench 36 mm
- Spindle M20 x 1.5
- 2 pressure pieces



Item #
7764

Belt Pulley Puller Set | 10 pcs.

- for pulling and installing of belt pulleys on power steering pumps, generators, fan wheels, etc.
- 2 cross beams: 140 mm, 230 mm
- 2 pairs of straight pullers: length: 60 mm, 110 mm
- 1 pair of specifically formed pullers length 60 mm
- all pullers and cross beams can be combined
- suitable for pulleys up to Ø 200 mm

Item #
7770



Belt Pulley Puller | 40 - 168 mm

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

Item #
7779



Special Puller, extra long | 10 - 50 mm

- external puller for deeply set bearings etc.
- hardened

Item #
7731



Toothed Belt wheel Puller | universal

- draws pulleys by the holes without causing damage
- 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



Bearing Ring Puller, 3-arm | universal | 10 - 125 mm

- for removing of bearing ring and sleeves
- ultra sharp jaw edges allow to clamp in between 0.5 mm
- suitable for bearing rings and sleeve diameters from 10 to 125 mm
- extractor can be pre-tensioned by closing the cone



Item #
8903

Camshaft Sprocket and Ribbed Drive Puller | 42 - 82 mm

- for removing pulleys and camshaft sprockets
- pulling arms are interconnected by adjusting disc, this allows easy and precise setting of pulling arms
- stepless range of pulling arms: from 42 to 82 mm adjustable
- pulling depth: 27 mm
- 3 pulling arms, Ø 12 mm, M10 x 1.5 suitable for material thickness up to max. 10 mm
- puller body with 6 grooves and adjusting disc
- spindle M14 x 1.5, 19 mm hexagon, with centering ball



Item #
8964

Hand Axe | Head Weight 600 g

- gold coloured head
- two-coloured handle, wooden



Item #
2136

Axes and Hatchets | fibreglass shaft

- non-slip rubber coated grip



Item #	Description
3800	Hand Axe with Fibreglass Shaft 600 g
3830	Hand Axe with Fibreglass Shaft 1250 g

Chopper with Fibreglass Shaft | 3000 g

- wedged and cast head
- satin black lacquered finish
- non-slip rubber coated shaft
- length: 900 mm
- material handle: fibre glass
- head weight: 3000 g



Item #
3834

Hole Saw Set | Ø 22 - 65 mm | depth 40 mm | 8 pcs.

- 6 HSS-BI-METAL holesaws
- 2 mandrel holders with pilot drill
- for metal, plastic and wood
- saws Ø 22 - 29 - 35 - 44 - 51 - 65 mm, depth 40 mm

Item #	Description
3906	Hole Saw Set Ø 22 - 65 mm depth 40 mm 8 pcs.
3906-1	Spare Centre Drill 73 / 104 mm



Tile Drill Bit Set | 33 - 73 mm | 6 pcs.

- carbide tipped
- incl. 4 holesaws - Ø 33, 53, 67 + 73 mm
- mandrel holder and pilot drill



Item #	Description
3910	Tile Drill Bit Set 33 - 73 mm 6 pcs.
3911	Drill Bit for Tile Hole Saw Ø 33 mm
3913	Drill Bit for Tile Hole Saw Ø 67 mm
3914	Drill Bit for Tile Hole Saw Ø 73 mm
3915	Backing Disc for Tile Driller
3916	Centre Drills for Tile Holesaw



Diamond Core Drill Bit Set | 5 pcs.

- 5 drill bits Ø 6, 8, 10, 12, 25 mm
- suitable for: Glass, ceramic tiles, marble, etc.
- Shaft holder 6.3 mm (1/4")

Item #
3917



HSS Drill Set | 13 - 25 mm | 8 pcs.

- with 13 mm shank, drills fits in many "normal" drill chucks as well as standard drills
- sizes: 13 - 14 - 15 - 16 - 18 - 20 - 22 - 25 mm
- in wooden box
- material: HSS-steel

Item #
2019



HSS Drill Set | 14 - 16 - 18 - 20 mm | 4 pcs.

- dimensions 14 - 16 - 18 - 20 mm
- beveled shaft, Ø 13 mm
- material: HSS-steel

Item #
8985



HSS Drill Set | 22 - 24 - 25 mm | 3 pcs

- sizes: 22 - 24 - 25 mm
- beveled shaft, Ø 13 mm
- material: HSS-steel

Item #
8986



Twist Drill Sets | HSS

- drills manufactured in accordance with DIN 338
- fully ground drills (BGS 2000)
- or rolled (BGS 1994+1995)
- 1.0-8.0 mm, 0.5 mm ascending steps: 10 pcs. each size
- 8.5-10.0 mm, 0.5 mm ascending steps: 5 pcs. each size

Item #	Description
2000	Twist Drill Set HSS 5% cobalt alloy 1 - 10 mm 170 pcs.
1994	Twist Drill Set HSS titanium nitrated 1 - 10 mm 170 pcs.
1995	Twist Drill Set HSS Ø 1 - 10 mm 170 pcs.
1995-LEER	Metal empty Case for BGS 1995



Twist & Step Drill Set | HSS | titanium nitrated | 1 - 10 mm | 119 pcs.

- manufactured in accordance with DIN 338
- ground edges

Twist drills:

- 15 x Ø 1.0 mm
- 15 x Ø 1.5 mm
- 10 x Ø 2.0 mm
- 10 x Ø 2.5 mm
- 12 x Ø 3.0 mm
- 10 x Ø 3.5 mm
- 12 x Ø 4.0 mm
- 10 x Ø 4.5 mm
- 8 x Ø 5.0 mm
- 8 x Ø 6.0 mm
- 3 x Ø 7.0 mm
- 3 x Ø 8.0 mm
- 2 x Ø 10.0 mm

Stepped drills

- each 1 x Ø 4 - 25 mm

Item #
2009



Drills

Twist Drill Set | HSS-G M35 Cobalt Steel | 1 - 13 mm | 25 pcs.

- Pointed angle: 135 degree
- shaped
- twist drill 1 - 1.5 - 2 - 2.5 - 3 - 3.5 - 4 - 4.5 - 5 - 5.5 - 6 - 6.5 - 7 - 7.5 - 8 - 8.5 - 9 - 9.5 - 10 - 10.5 - 11 - 11.5 - 12 - 12.5 - 13 mm

Item #
116



HSS Twist Drill Set | Ø 1 - 13 mm | 25 pcs

- fully ground, cross joint tips
- twist drill 1 - 1.5 - 2 - 2.5 - 3 - 3.5 - 4 - 4.5 - 5 - 5.5 - 6 - 6.5 - 7 - 7.5 - 8 - 8.5 - 9 - 9.5 - 10 - 10.5 - 11 - 11.5 - 12 - 12.5 - 13 mm
- material: HSS-steel
- surface finish: polished

Item #
110



Twist Drill Set | HSS | Ø 1 - 13 mm | 25 pcs.

- 0.5 mm steps
- rolled
- drills manufactured from HSS steel
- ground edges
- material: HSS-steel



Item #
2021

Twist Drill Set | HSS-G M35 Cobalt Steel | 1 - 10 mm | 19 pcs.

- made of HSS-G M35 cobalt steel, for longer service life
- Twist drill 1.0 - 1.5 - 2.0 - 2.5 - 3.0 - 3.5 - 4.0 - 4.5 - 5.0 - 5.5 - 6.0 - 6.5 - 7.0 - 7.5 - 8.0 - 8.5 - 9.0 - 9.5 - 10.0 mm



Item #
9297

Twist Drill | HSS G | titanium nitrated | 1 - 10 mm | 19 pcs.

- fully ground drills
- tip with 135° split point
- Twist drill 1.0 - 1.5 - 2.0 - 2.5 - 3.0 - 3.5 - 4.0 - 4.5 - 5.0 - 5.5 - 6.0 - 6.5 - 7.0 - 7.5 - 8.0 - 8.5 - 9.0 - 9.5 - 10.0 mm



Item #	Description			
2040	Twist Drill	HSS G	titanium nitrated	1 - 10 mm 19 pcs.
2040-1	Twist Drill	HSS-G	titanium-nitrated	1.5 mm 2 pcs.
2040-1.5	Twist Drill	HSS-G	titanium-nitrated	1.5 mm 2 pcs.
2040-2	Twist Drill	HSS-G	titanium-nitrated	2.0 mm 2 pcs.
2040-2.5	Twist Drill	HSS-G	titanium-nitrated	2.5 mm 2 pcs.
2040-3	Twist Drill	HSS-G	titanium-nitrated	3.0 mm 2 pcs.
2040-3.5	Twist Drill	HSS-G	titanium-nitrated	3.5 mm
2040-4	Twist Drill	HSS-G	titanium-nitrated	4.0 mm
2040-4.5	Twist Drill	HSS-G	titanium-nitrated	4.5 mm
2040-5	Twist Drill	HSS-G	titanium-nitrated	5.0 mm
2040-5.5	Twist Drill	HSS-G	titanium-nitrated	5.5 mm
2040-6	Twist Drill	HSS-G	titanium-nitrated	6.0 mm
2040-6.5	Twist Drill	HSS-G	titanium-nitrated	6.5 mm
2040-7	Twist Drill	HSS-G	titanium-nitrated	7.0 mm
2040-7.5	Twist Drill	HSS-G	titanium-nitrated	7.5 mm
2040-8	Twist Drill	HSS-G	titanium-nitrated	8.0 mm
2040-8.5	Twist Drill	HSS-G	titanium-nitrated	8.5 mm
2040-9	Twist Drill	HSS-G	titanium-nitrated	9.0 mm
2040-9.5	Twist Drill	HSS-G	titanium-nitrated	9.5 mm
2040-10	Twist Drill	HSS-G	titanium-nitrated	10.0 mm



Drills

Twist Drill Set | HSS | titanium nitrated | 1 - 10 mm | 19 pcs.

- roll forged
- 0,5 mm steps

Item #
2013



Twist Drill Set | HSS | 1 - 10 mm | 19 pcs.

- roll forged
- 0,5 mm steps



Item #
2014

HSS Mini Drill Set | 0.5 - 3.0 mm | 25 pcs.

- includes following HSS drills: 5 x 0.5 mm - 5 x 0.6 mm - 3 x 1.0 mm - 2 x 1.2 mm - 2 x 1.5 mm - 2 x 1.8 mm - 2 x 2.0 mm - 2 x 2.35 mm - 2 x 3.0 mm



Item #
2023



Drill Set | HSS | left cutting | 4 pcs.

- sizes: Ø 3 mm, length 60 mm - Ø 4 mm, length 75 mm - Ø 6 mm, length 93 mm - Ø 7 mm, length 108 mm
- for drilling broken screws, bolts, etc.
- in wooden case
- surface finish: titanium-nitrided



Item #	Description
2726	Drill Set HSS left cutting 4 pcs.
2726-3	HSS Drill, left-cutting Ø 3.0 mm
2726-4	HSS Drill, left-cutting Ø 4.0 mm

Drill Set | left cutting | 5 pcs.

- sizes: 3 - 5 - 6 - 8 - 10 mm
- material: Cobalt steel (5%)



Item #
2731



Auger Drill Bit Set | 200 mm | 6 pcs.

- with hexagon shaft
- for hard and soft wood
- includes 6 drills with diameter: 10 - 12 - 14 - 16 - 18 - 20 mm
- length 200 mm
- in wooden box

Item #
2894



Wood Crown and Milling Drill Set | 4 - 12 mm | 6 pcs.

- 5 cutting-crown heads with center tip
- 4 shoulder blades
- special spiral profile, extreme sharp milling cutter
- fast chip removal
- for exact tapping & milling, rotation file and hole saw
- sizes 4 - 6 - 8 - 10 - 12 mm and 12 mm countersink

Item #
50401



Centre Bit Drill / Wood Drill Set | 14 pcs.

- Ø 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm
- centre bit, 3 pcs.: adjustable from 15 - 25 mm and 25 - 45 mm
- drills holes from 3 to 45 mm
- all drills with centering tip

Item #
50403



High Precision Drill Set | 150 pcs.

- grinding, polishing and cutting equipment for mini drills and grinding machines, up to 26000 rpm
- 3 mm shaft
- 12 grinding heads with 120 grit, for cleaning grinding, polishing of metal
- 10 grinding wheels with 120 grit, for cleaning grinding, polishing of stone, glass, ceramics, porcelain
- 12 sand paper belts with 80 grit, for coarse sharpening and smoothing of wood and fiberglass
- wing disc for coarse grinding and smoothing of wood and fiberglass
- diamond cutter 5 pieces for fine grinding of precious stones, ceramics, glass and wood
- carbide Cutter 3.2 mm ball head for hardened steel cast steel, stainless steel, ceramic
- HSS cutter 3.2 x 9.5 mm for soft metals, fibre glass, plastic, wood
- 71 cutting disc for cutting metal wood, plastic
- 2 rubber discs 22 x 4 mm for cleaning grinding, polishing of silver and jewelry
- surface brush 19 x 44 mm for cleaning, grinding polishing of silver and jewelry
- 2 round brushes 9.5 x 44 mm for cleaning grinding, polishing of silver and jewelry
- stainless steel brush 19 x 44 mm round type to remove rust and polishing of metals
- stainless steel surface brush 12.7 x 44 mm for removing rust and polishing of metals
- round brass brush 12.7 x 44 mm for removing rust and polishing of metals
- 11 polishing discs for polishing metals and plastics
- each 2 HSS drills 2.4 and 1.6 mm
- shaft adaptor 1.6 / 2.4 and 3.2 mm
- 2 cutting discs with 1.6 and 2.4 mm hole
- sharpening stone
- fork spanner
- in practical transparent cassettes



Item #
8060



HSS G-Multi Drill Set | 4 pcs.

- step drill 4 - 12 mm
- hole cutter 8 - 20 mm
- drill saw 6 x 90 mm
- countersink 12,4 mm

Item #
1944



Twist Drill / Tap Set | 14 pcs.

- twist drills: Ø 2.5 - 3.3 - 4.2 - 5.0 - 6.8 - 8.5 - 10.2 mm
- twist drills manufactured in accordance with DIN 338: M3 - M4 - M5 - M6 - M8 - M10 - M12, taps manufactured in accordance with DIN 371/376 B



Item #
9296

Drill Grinding Attachment | for twist drills, Ø 3 - 19 mm

- for drills Ø 3 - 19 mm



Item #
3200

Socket Set, Hexagon, extra long | 6.3 mm (1/4") drive | for electric drills | 6 - 13 | 8 pcs. **6.3** 1/4

- Sizes: 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm
- Hexagon type with holding magnet
- 6.3 mm (1/4") hexagon drill shaft
- length: 100 mm



Item #	Description
2759	Socket Set, Hexagon, extra long 6.3 mm (1/4") Drive for electric drills 6 - 13 mm 8 pcs.
2762	Socket, Hexagon, extra long for electric drills 6.3 mm (1/4") Drive 6 mm
2763	Socket, Hexagon, extra long for electric drills 6.3 mm (1/4") Drive 7 mm
2764	Socket, Hexagon, extra long for electric drills 6.3 mm (1/4") Drive 8 mm
2765	Socket, Hexagon, extra long for electric drills 6.3 mm (1/4") Drive 9 mm
2766	Socket, Hexagon, extra long for electric drills 6.3 mm (1/4") Drive 10 mm
2767	Socket, Hexagon, extra long for electric drills 6.3 mm (1/4") Drive 11 mm
2768	Socket, Hexagon, extra long for electric drills 6.3 mm (1/4") Drive 12 mm
2769	Socket, Hexagon, extra long for electric drills 6.3 mm (1/4") Drive 13 mm



Socket Set, Hexagon | 6.3 mm (1/4") Drive | 6 - 13 mm | 8 pcs.

6.3 ■ 1/4

- hexagon type with holding magnet
- 6.3 mm (1/4") drill shaft
- Socket hexagon, 6.3 mm (1/4") drive: 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm
- profile: hexagon
- drive profile size, metric: 6.3 mm
- length: 65 mm
- drive profile size, inch: 1/4"



Item #
2758



Drill Chuck | 13 mm | 4 pcs.

- with SDS adapter
- incl. Chuck Key Set



Item #
9937



Multi Purpose Drill Set | 7 pcs.

- ball bearing shaft core
- shaft core diameter 6 mm
- max. drive speed 5000 rpm
- max. torque 10 Nm
- in aluminium case
- 10 mm keyless chuck 90° angled drill attachment
- 1200 mm flexible drive shaft with 10 mm keyed chuck
- 150 mm hex drive extension, with quick release chuck
- 150 mm flexible extension
- magnetic bit holder
- countersink
- chuck key



Item #
7992

Angled Drill Head with Keyless Chuck | for Ø 0.8 - 10

- for screwdriving and drilling in hard to reach areas
- handle can be mounted on both sides for fatigue-free working
- forward and reverse action
- suitable for 0.8 to 10 mm drills
- drive shaft diameter 9.5 mm
- max. speed allowed: 500 rpm
- max. torque 30 Nm



Item #
8621



Angled Drill Head with Keyless Chuck

- extra heavy and solid type
- ideal for drilling around corners
- ball bearing shaft support
- suitable for drilling and screwing
- 8 mm hexagon shaft drive
- head height: 100 mm
- max. drive speed 5000 rpm
- max. torque 20 Nm

Item #
4847



Universal Drill Chuck Cross Key | 4 - 7 mm

- made of high-resistance steel
- suitable for most drill chucks
- dimensions 4 - 5.5 - 6 - 7 mm

Item #
8955



Brush Set | 38 pcs.

- all brushes with 6.3 mm (1/4") drive
- for cleaning and deburring cylinders, bushings, pipes, etc.
- also for use on electric and air powered drills
- 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 solid brass brushes Ø 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm
- 1 handle with 6.3 mm (1/4") drive and quick lock
- 1 extension bar 150 mm

Item #
3078



Brush Set | 20 pcs.

- for polishing and cleaning machines, cars and other work pieces made of metal, plastic, wood, etc.
- drive 6.3 mm (1/4"), Ø 9 - 11 - 13 - 15 - 17 - 19 mm
- in practical nylon pouch
- 6 brass brushes
- 6 nylon brushes
- 6 stainless steel brushes
- 1 extension with quick release for power tool use, 150 mm
- 1 soft grip handle 150 mm with quick release for hand use



Item #	Description
379	Brush Set 20 pcs.
379-LEER	Empty Wallet for BGS 379



Steel Wire Brush with Plastic Handle | 282 mm

- brush dimensions: 20 x 130 mm
- steel wire, 4-rows

Item #
9316



Steel Wire Brush with Plastic Handle | 172 mm

- brush dimensions: 45 x 150 mm
- steel wire, 5-rows

Item #
9317



Steel Wire Brush with Plastic Handle | 172 mm

- brush dimensions: 25 x 160 mm
- steel wire, 4-rows

Item #
9315



Mini Brush Set | Nylon, Brass, Stainless Steel | 165 mm | 3 pcs.

- handle type: 2-component handles



Item #
9314



Wire Brushes



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



Handheld Brush | steel wire | 5-rows | 300 mm

- length: 300 mm
- material: cast steel



Item #
3073



Spark Plug Cleaning Brush | 140 mm

- brass wire
- length: 140 mm



Item #
3080



Wire Cup Brush | 6 mm Shaft | Ø 75 mm

- curled steel
- max. drive speed: 4,500 rpm
- diameter: 75 mm
- drill shaft diameter: 6 mm

Item #
3076



Disc Brush | Ø 100 mm

- curled
- diameter: 100 mm
- wire diameter: 0.3 mm
- drill shaft diameter: 6 mm

Item #
3077



Disc Brushes / knotted round Brushes

- for angle grinders
- hole 22,2 mm
- Steel wire



Item #	Description
3985	Disc Brush / knotted round Brush Ø 115 mm
3986	Disc Brush / knotted round Brush Ø 125 mm

Disc Brush | Drive shaft 6 mm | knotted | Ø 75 mm

- diameter: 75 mm
- drill shaft diameter: 6 mm

Item #
3982



Disc Brush | M14x2 Drive | Ø 115 mm

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

Item #
3981



Wire Cup Brush | M14 x 2 Drive | Ø 65 mm

- knotted
- diameter: 65 mm

Item #
3980



Wire Cup Brushes | receptacle M14 x 2

- suitable for cleaning and rust removal
- material: steel
- mounting thread: M14x2



Item #	Description
3983	Wire Cup Brush M14 x 2 Drive Ø 75 mm x 57 mm
3987	Wire Cup Brush M14 x 2 Drive Ø 100 mm x 67 mm
3988	Wire Cup Brush M14 x 2 Drive Ø 125 mm x 75 mm
3993	Wire Cup Brush M14 x 2 Drive Ø 65 mm x 50 mm
3994	Wire Cup Brush M14 x 2 Drive Ø 100 mm x 67 mm



Steel Wire Brush | 20 mm

- knotted
- shaft diameter 6 mm
- Brush diameter: 20 mm
- Wire diameter 0.4 mm

Item #
8363



Steel Wire Brush | brass coated | Ø 25 mm

- curled
- Wire diameter: 0.35 mm
- surface finish: brass coated
- diameter: 28 mm
- drill shaft diameter: 6 mm

Item #
8364



Nylon Brush | 100 mm | 6 mm Shaft

- especially suitable for softer materials such as aluminium, brass, etc.
- protects surfaces from scratching
- drill shaft diameter: 6 mm
- Brush diameter: 100 mm
- Brush strength: 1.45 mm

Item #
9186



Wire Cup Brush | Ø 75 mm | Nylon

- especially suitable for softer materials
- such as aluminium, brass, etc.
- protects surfaces from scratching

Item #
9187



Cleaning Brush Set for Studs and Wheel Nut Bolts

- for the fast and easy cleaning of studs
- quick-exchange brush adaptor with 12.5 mm (1/2") drive
- Adaptor 12.5 mm (1/2") on 6.3 mm (1/4") external 6-pt for use of brushes with cordless Screwdriver
- including the following 5 brushes for the following stud sizes:
 - 12 mm (7/16")
 - 13 mm (1/2")
 - 14 mm (9/16")
 - 16 mm (5/8")
 - 22 mm (7/8")



Item #	Description
9373	Cleaning Brush Set for Studs and Wheel Nut Bolts
9373-12	Replacement Brush Head 12 mm for BGS 9373
9373-13	Replacement Brush Head 13 mm for BGS 9373
9373-14	Replacement Brush Head 14 mm for BGS 9373
9373-16	Replacement Brush Head 16 mm for BGS 9373



Letter Punch Sets | 27 pcs.

- suitable for punching letters into steel and iron according to DIN 1451
- engraving on offset surface with depth limitation
- 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 | 9 pcs.

- suitable for punching letters into steel and iron according to DIN 1451
- engraving on offset surface with depth limitation
- figures 0-9
- packed in plastic case

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



Needle File Set | 12 pcs.

- file length 140 mm
- in plastic pouch
- different shapes: round, square, triangle, halfround, flat, etc.

Item #
50200



Diamond File Set | straight | 140 x 3 mm | 10 pcs.

- insulated handle
- various types

Item #
1920



Diamond Hole File Set | bent | 140 x 3 mm | 10 pcs.

- insulated handle
- various types

Item #
1921



Machinist's File Set | 5 pcs.

- with plastic handle
- flat file, 250 mm, H1 (coarse)
- flat file, 200 mm, H2 (medium fine)
- half-round file, 200 mm, H1 (coarse)
- triangular file, 150 mm, H2 (medium fine)
- round file, 150 mm, H1 (coarse)

Item #
8494



HSS Milling Cutter Set | 7 pcs.

- suitable for drilling and milling machines
- for grinding and shaping wood, plastic, aluminium, copper, etc.
- includes the following milling heads: 1 spherical, 2 conical, 2 cylindrical, 2 cylindrical with ball head
- material: HSS-steel
- max. drive speed: 30,000 rpm
- Drill shaft diameter: 6 mm

Item #
8626



HSS Milling Cutter Set, extra long | 4 pcs.

- suitable for milling steel, copper, cast steel, aluminum, etc.
- 1 ball milling cutter, Ø 10 mm
- 1 cone milling cutter, Ø max. 10 mm
- 1 cone milling cutter, Ø max. 12 mm
- 1 cylindrical milling cutter, Ø 10 mm
- material: HSS-steel
- speed: 10000 rpm
- drill shaft diameter: 6 mm
- shaft size: 150 mm

Item #
101



HSS Milling Cutter Set | 3 pcs.

- in metal box
- material: HSS-steel
- max. drive speed: 13000 rpm

Item #
111



Diamond-Coated Grinding and Milling Drill Bit Set | 20 pcs.

- for electric grinding tools
- diamond coated for use glass, ceramics, steel, stainless steel
- various types
- drive shaft: 3 mm

Item #
1607



Welding Spot Cutter | 70 mm

- tip manufactured from HSS steel

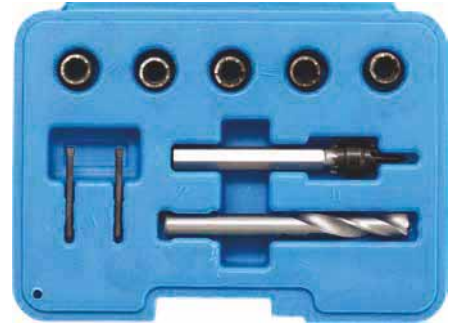


Item #	Description
1600	Welding Spot Cutter 70 mm
1601	HSS Spare Cutting Head for welding Spot Cutter BGS 1600



Spot Weld Drill Set | 10 pcs.

- drill milling cutter with double core cutter 9.5 mm
- cobalt HSS spot weld drill 8 x 80 mm
- 5 double ended cutter crowns 9.5 mm
- 2 pilot pins
- drive speed: 700 to 2000 rpm



Item #
1632

Welding Spot Cutter Set | 5% Cobalt steel | 3 pcs.

- drills contained: Ø 6.5 mm, 8 mm and 10 mm
- special HSS Cobalt steel prevents dulling by overheating
- centering tip prevents a walking of the drill



Item #
5081

Tap Set | Starter, Plug, Bottoming Tap | 3 pcs.

- made of HSS-G steel
- includes starter, plug and bottoming tap



Item #	Description
930	Tap Set Starter, Plug, Bottoming Tap M3 x 0.5 3 pcs.
931	Tap Set Starter, Plug, Bottoming Tap M4 x 0.7 3 pcs.
932	Tap Set Starter, Plug, Bottoming Tap M5 x 0.8 3 pcs.
933	Tap Set Starter, Plug, Bottoming Tap M6 x 1.0 3 pcs.
934	Tap Set Starter, Plug, Bottoming Tap M8 x 1.25 3 pcs.
935	Tap Set Starter, Plug, Bottoming Tap M10 x 1.5 3 pcs.
936	Tap Set Starter, Plug, Bottoming Tap M12 x 1.75 3 pcs.



Tap Set | Pre & finish Cutter | 2 pcs.

- made from carbon steel (GCr 15) / chrome steel (100 Cr6)
- includes starter and plug tap

Item #	Description
1900-M6X1.0-B	Tap Set Starter & Plug Tap M6 x 1.0 2 pcs.
1900-M8X1.0-B	Tap Set Starter & Plug Tap M8 x 1.0 2 pcs.
1900-M8X1.25-B	Tap Set Starter & Plug Tap M8 x 1.25 2 pcs.
1900-M10X0.75-B	Tap Set Starter & Plug Tap M10 x 0.75 2 pcs.
1900-M10X1.0-B	Tap Set Starter & Plug Tap M10 x 1.0 2 pcs.
1900-M10X1.25-B	Tap Set Starter & Plug Tap M10 x 1.25 2 pcs.
1900-M10X1.5-B	Tap Set Starter & Plug Tap M10 x 1.5 2 pcs.
1900-M11X0.75-B	Tap Set Starter & Plug Tap M11 x 0.75 2 pcs.
1900-M11X1.0-B	Tap Set Starter & Plug Tap M11 x 1.0 2 pcs.
1900-M11X1.25-B	Tap Set Starter & Plug Tap M11 x 1.25 2 pcs.
1900-M12X0.75-B	Tap Set Starter & Plug Tap M12 x 0.75 2 pcs.
1900-M12X1.0-B	Tap Set Pre & finish Cutter M12 x 1.0 2 pcs.
1900-M12X1.25-B	Tap Set Starter & Plug Tap M12 x 1.25 2 pcs.
1900-M12X1.5-B	Tap Set Starter & Plug Tap M12 x 1.5 2 pcs.
1900-M12X1.75-B	Tap Set Starter & Plug Tap M12 x 1.75 2 pcs.
1900-M14X1.0-B	Tap Set Starter & Plug Tap M14 x 1.0 2 pcs.
1900-M14X1.25-B	Tap Set Starter & Plug Tap M14 x 1.25 2 pcs.
1900-M14X1.5-B	Tap Set Starter & Plug Tap M14 x 1.5 2 pcs.



Thread Cutters

Threading Die

- made from carbon steel (GCr15) / chrome steel (100 Cr6)

Item #	Description
1900-M8X1.25-S	Threading Die M8 x 1.25 x 25 mm
1900-M10X1.25-S	Threading Die M10 x 1.25 x 25 mm
1900-M10X1.5-S	Threading Die M10 x 1.5 x 25 mm
1900-M12X1.25-S	Threading Die M12 x 1.25 x 38 mm
1900-M12X1.5-S	Threading Die M12 x 1.5 x 38 mm
1900-M14X1.25-S	Threading Die M14 x 1.25 x 38 mm
1900-M14X1.5-S	Threading Die M14 x 1.5 x 38 mm
1900-M18X1.5-S	Threading Die M18 x 1.5 x 38 mm



Thread File | internal and external screw Threads | Metric 0.80 - 3.00 mm

- suitable for metric pitch: 0.80 - 1.00 - 1.25 - 1.50 - 1.75 - 2.00 - 2.50 - 3.00

Item #
1922



Thread File | internal and external screw Threads | SAE 10" - 24"

- in SAE (inch sizes), steps: 10" - 11" - 12" - 14" - 16" - 18" - 20" - 24"

Item #
1923



Thread File | for internal and external screw Threads | Whitworth 10 - 24

- Whitworth sizes: 10 - 11 - 12 - 14 - 16 - 18 - 20 - 24

Item #
1929



Thread Repair Kit

- HSS-G-tap
- HSS-G-twist
- special installation tool
- tang breaker
- thread insert



Item #	Description
1952	Thread Repair Kit M5 x 0.8 29 pcs.
1959-1	Replacement Thread Inserts M5 x 0.8 25 pcs.
1953	Thread Repair Kit M6 x 1.0 29 pcs.
1959-2	Replacement Thread Inserts M6 x 1.0 25 pcs.
9431	Thread Repair Kit M7 x 1.0 29 pcs.
9431-1	Replacement Thread Inserts M7 x 1.0 mm 25 pcs.
9427	Thread Repair Kit M8 x 1.0 29 pcs.
9427-1	Replacement Thread Inserts M8 x 1.0 mm 25 pcs.
1954	Thread Repair Set M8 x 1.25 29 pcs.
1959-3	Replacement Thread Inserts M8 x 1.25 25 pcs.
9435	Thread Repair Kit M9 x 1.25 29 pcs.
9435-1	Replacement Thread Inserts M9 x 1.25 mm 25 pcs.
1958	Thread Repair Kit M10 x 1.0 14 pcs.
1958-1	Replacement Thread Inserts M10 x 1.0 25 pcs.
9428	Thread Repair Kit M10 x 1.25 29 pcs.
9428-1	Replacement Thread Inserts M10 x 1.25 mm 25 pcs.
1955	Thread Repair Kit M10 x 1.5 29 pcs.
1959-4	Replacement Thread Inserts M10 x 1.5 25 pcs.
9436	Thread Repair Kit M11 x 1.5 14 pcs.
9436-1	Replacement Thread Inserts M11 x 1.5 mm 10 pcs.
9437	Thread Repair Kit M12 x 1.0 14 pcs.
9437-1	Replacement Thread Inserts M12 x 1.0 mm 10 pcs.
1959	Thread Repair Kit M12 x 1.25 14 pcs.
1959-7	Replacement Thread Inserts M12 x 1.25 10 pcs.
9429	Thread Repair Kit M12 x 1.5 14 pcs.
9429-1	Replacement Thread Inserts M12 x 1.5 mm 10 pcs.
1956	Thread Repair Kit M12 x 1.75 14 pcs.
1959-5	Replacement Thread Inserts M12 x 1.75 10 pcs.
1957	Thread Repair Kit M14 x 1.25 14 pcs.
1959-6	Replacement Thread Inserts M14 x 1.25 10 pcs.
9430	Thread Repair Kit M14 x 1.5 14 pcs.
9430-1	Replacement Thread Inserts M14 x 1.5 mm 10 pcs.
9432	Thread Repair Kit M16 x 1.5 12 pcs.
9432-1	Replacement Thread Inserts M16 x 1.5 mm 5 pcs.
9433	Thread Repair Kit M18 x 1.5 7 pcs.
9433-1	Replacement Thread Inserts M18 x 1.5 mm 5 pcs.
9434	Thread Repair Kit M20 x 1.5 7 pcs.
9434-1	Replacement Thread Inserts M20 x 1.5 mm 5 pcs.
9438	Thread Repair Kit M24 x 2.0 7 pcs.
9438-1	Replacement Thread Inserts M24 x 2.0 mm 3 pcs.



Thread Repair Kits | 130 pcs.

- 5 HSS-G-taps
 - 5 HSS-G-twist drills
 - 5 special installation tools
 - 5 tang breakers
 - 110 thread inserts
- **BGS 1950:**
each 25 pieces: M5x0.80, M6x1.00, M8x1.25, M10x1.5010
10 pieces: M12x1.75
 - **BGS 1951:**
each 25 pieces: M6x1.00, M8x1.25, M14x1.25
20 pieces: M10x1.5
15 pieces: M12x1.75

Item #	Description
1950	Thread Repair Kit M5 - M12 130 pcs.
1951	Thread Repair Kit M6 - M14 130 pcs.



Thread Cutters

Wheel Stud Repair Tool | M12 + M14

- for restoring of wheel stud threads, sizes: M12 x 1.25 - M12 x 1.5 - M14 x 1.5
- unique design allows the 2-halves of the thread restorer to be fitted on the good thread and wound back over the damaged thread, which is normally at the end of the stud
- consisting of 3 thread restoring tools and special holder

Item #
8691



Tap & Die Set for Wheel Studs & Nuts | 12 pcs.

- for thread re-cutting on wheel nuts and bolts
- special holders allow use on built-in wheel studs directly on the car
- taps: M12 x 1.25 - M12 x 1.50 - M14 x 1.50
- dies: M12 x 1.25 - M12 x 1.50 - M14 x 1.50
- 2 tap holders with square head
- 2 die holders with Ø 30 mm
- 1 internal hexagon L-type wrench
- 1 thread gauge with 12 blades for following thread pitch: 0.5 - 0.6 - 0.7 - 0.75 - 0.8 - 0.9 - 1.0 - 1.25 - 1.5 - 1.75 - NPT27 - BSP28

Item #	Description
1988	Tap & Die Set for Wheel Studs & Nuts 12 pcs.
1988-1	55 mm deep adaptor for BGS 1988



Repair Tool for Oxygen Sensor Thread | M18 x 1.5 mm | M12 x 1.25 mm | 2 pcs.

- for cleaning and recutting rusty and damaged oxygen sensor threads
- 16 mm drive
- thread cutter M18 x 1.5 mm
- thread cutter M12 x 1.25 mm
- length: 51 mm

Item #
65591



Oxygen Sensor Thread Repair Tool | M18 x 1.5 mm

6.3 1/4

- for cleaning and recutting rusty and damaged oxygen sensor threads
- extra short design
- especially suitable for confined areas
- 10 mm (3/8") drive or external hexagon 19
- for thread/incline: M18 x 1.5

Item #
65590



Thread Repair Kit for Drive Shafts / Prop Shafts | 8 pcs.

- for trimming and cleaning external threads
- to be turned directly on the external hexagon without die holder
- color coding metric / inch
- tap M24 x 1.50 mm - 13/16" x 20 UNEF
- tap M24 x 2.00 mm - 3/4" x 20 UNEF
- tap M22 x 1.00 mm
- tap M22 x 1.50 mm
- tap M20 x 1.50 mm
- tap M20 x 1.25 mm

Item #	Description
1141	Thread Repair Kit for Drive Shafts / Prop Shafts 8 pcs.
1141-LEER	Empty Case for BGS 1141



Repair Kit for Oxygen Sensor Thread

- for repair of defective oxygen sensor threads
- a renewing of exhaust pipes etc. is not required
- reamer Ø 18.6 mm, for reaming of oxygen sensor threads
- tap M20 x 1.5, for cutting the repair bushing threads
- tap M18 x 1.5, for cutting of oxygen sensor threads
- insertion tool to insert the threaded bushings
- 5 repair bushings

Item #	Description
66215	Repair Kit for Oxygen Sensor Thread
66215-1	Thread Replacers for Oxygen Sensor Repair Kit M18 x 1.5 mm



Tool Tray 1/6: Thread Repair Kit | for Injector Fastening Screws | 10 pcs.

- suitable for Mercedes-Benz CDI engines
- for reaming the broken-off expansion bolt & repairing the M6 thread in the cylinder head
- time saving as the replacement of the cylinder head and the removal of injectors and valve covers is not necessary
- damaged thread is reworked to size M8 x 1
- 1 twist drill 6 mm, with adjusting ring for drilled depth
- 1 step drill 7 to 8 mm, with adjusting ring for drilled depth
- 1 guide sleeve for 6 mm twist drill
- 1 tap M8 x 1
- 1 assembly tool for threaded inserts
- 5 threaded inserts, inner thread M6 x 1 / outer thread M8 x 1



Item #		1/6
9538		

Tap and Die Set | M6 - M24 | 45 pcs.

- 20 taps for internal threads and 20 dies for external threads (one each size)
M6 x 0.75 - M8 x 1.0 - M6 x 1.0 - M8 x 1.25 - M10 x 1.25 - M10 x 1.50 - M12 x 1.50 - M14 x 1.50 - M16 x 1.50 - M18 x 1.50 - M20 x 1.50 - M22 x 1.50 - M24 x 1.50 - M12 x 1.75 - M14 x 2.0 - M16 x 2.0 - M18 x 2.5 - M20 x 2.5 - M22 x 2.5 - M24 x 3.0
- 1 adjustable tap wrench
- 1 tap holder
- 1 die holder
- 1 adaptor for die holder
- 1 Screwdriver, slot drive 6 mm
- material: GCr15
- in a plastic case



Item #	Description
1893	Tap and Die Set M6 - M24 45 pcs.
1893-LEER	Empty Case for BGS 1893

Tap and Die Set | Tin-Coated | M6 - M24 | 45-tlg.

- 20 taps for internal threads, 20 dies for external threads (one each size):
M6 x 0,75 - M8 x 1,00 - M6 x 1,00 - M8 x 1,25 - M10 x 1,25 - M10 x 1,5 - M12 x 1,5 - M14 x 1,5 - M16 x 1,5 - M18 x 1,5 - M20 x 1,5 - M22 x 1,5 - M24 x 1,5 - M12 x 1,75 - M14 x 2,0 - M16 x 2,0 - M18 x 2,5 - M20 x 2,5 - M22 x 2,5 - M24 x 3,0
- 1 adjustable tap wrench
- 1 die holder
- 1 tap holder
- 1 adaptor for die holder
- 1 screwdriver, slot drive 6 mm
- Material: GCr15
- surface finish: titanium-nitrided
- in a plastic case

Item #
1899



Tap and Die Set | Inch Sizes | 1/4" - 1" | 45 pcs.

- imperial sizes
- 20 taps for internal threads and 20 dies for external threads (one each size):
 - fine threads: 1/4" NF28 - 5/16" NF24 - 3/8" NF24 - 7/16" NF20 - 1/2" NF20 - 9/16" NF18 - 5/8" NF18 - 3/4" NF16 - 7/8" NF14 - 1" NF14
 - rough threads: 1/4" NC20 - 5/16" NC18 - 3/8" NC16 - 7/16" NC14 - 1/2" NC13 - 9/16" NC12 - 5/8" NC11 - 3/4" NC10 - 7/8" NC9 - 1" NC8
- 1 adjustable tap wrench
- 1 die holder
- 1 tap holder
- 1 adaptor for die holder
- 1 screwdriver, slot drive 6 mm
- material: GCr15
- in a plastic case

Item #
1898

1/4" 3/8" 1/2"



Tap and Die Set | M2 - M18 | 110 pcs.

- especially for fine threads
- 2 die holders
- 2 tap holders
- 1 T-holder for taps
- 35 taps (starter and plug tap for each size) and dies in following sizes
M2 x 0.4 - M3 x 0.5 - M4 x 0.7 - M5 x 0.8 - M6 x 1.0 - M6 x 0.75 - M7 x 1.0 - M7 x 0.75 - M8 x 0.75 - M8 x 1.0 - M8 x 1.25 - M9 x 0.75 - M9 x 1.0 - M9 x 1.25 - M10 x 0.75 - M10 x 1.0 - M10 x 1.25 - M10 x 1.5 - M11 x 0.75 - M11 x 1.0 - M11 x 1.25 - M11 x 1.5 - M12 x 0.75 - M12 x 1.0 - M12 x 1.25 - M12 x 1.5 - M12 x 1.75 - M14 x 1.0 - M14 x 1.25 - M14 x 1.5 - M14 x 2.0 - M16 x 1.0 - M16 x 1.5 - M16 x 2.0 - M18 x 1.5
- material: GCr15
- in a plastic case

Item #	Description
1900	Tap and Die Set M2 - M18 110 pcs.
1900-LEER	Empty Case for BGS 1900

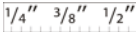


Thread Cutters

Tap and Die Set | Metric / Inch Sizes | 110 pcs.

- especially for fine threads
- 2 die holders
- 2 tap holders
- 1 T-holder for taps
- 35 taps (starter and plug tap for each size) and dies in following sizes
4"-40UNC - 6"-32UNC - 8"-32UNC - 10"-24UNC - 10"-32UNF - 12"-24UNC - 1/4"-20UNC - 1/4"-28UNF - 1/4"-24UNS - 1/4"-32UNS - 5/16"-18UNC - 5/16"-24UNF - 3/8"-16UNC - 3/8"-24UNF - 7/16"-14UNC - 7/16"-20UNF - 1/2"-13UNC - 1/2"-20UNF - 9/16"-12UNC - 9/16"-18UNF - 5/8"-11UNC - 5/8"-18UNF - 3/4"-10UNC - 3/4"-16UNF - M6 x 1.0 - M8 x 1.25 - M10 x 1.5 - M10 x 1.0 - M11 x 1.5 - M12 x 1.25 - M12 x 1.75 - M14 x 1.25 - M18 x 1.5 - 1/8"-27NP - 1/4"-18NPT
- material: GCr15
- in a plastic case

Item #
900



Tap and Die Set | M3 - M12 | 44 pcs.

- 7 tap sizes (DIN 352), each size includes starter, plug and bottoming tap
M3 x 0.5 - M4 x 0.7 - M5 x 0.8 - M6 x 1.0 - M8 x 1.25 - M10 x 1.5 - M12 x 1.75
- 7 dies (DIN 223)
M3 x 0.5 (Ø 20 x 5 mm) - M4 x 0.7 (Ø 20 x 5 mm) - M5 x 0.8 (Ø 20 x 7 mm) - M6 x 1.0 (Ø 20 x 7 mm) - M8 x 1.25 (Ø 25 x 9 mm) - M10 x 1.5 (Ø 30 x 11 mm) - M12 x 1.75 (Ø 38 x 14 mm)
- 5 die holders: No. 1 - 2 - 3 - 4 - 5
#1 = M3 - M4
#2 = M5 - M6
#3 = M8
#4 = M10
#5 = M12
- 2 tap wrenches (DIN 1814): No. 1 - 2
#1 = M1 - M10
#2 = M4 - M12
- 7 HSS drills (DIN 338) 2.5 - 3.3 - 4.2 - 5 - 6 - 8 - 8.5 - 10.2 mm
- 1 screwpitch gauge
- 1 screwdriver
- material: HSS g steel
- in a metal case



Item #
1927

Tap and Die Set | M3 - M12 | 32 pcs.

- 7 tap sets DIN 352
- 7 dies DIN 223
25 x 9 mm: M3 x 0.5 - M4 x 0.7 - M5 x 0.8 - M6 x 1.0 - M8 x 1.25 - M10 x 1.5 - M12 x 1.75
- 1 die holder 25 x 9 mm
- 1 tap wrench (DIN 1814) no. 1
- 1 screwpitch gauge
- 1 screwdriver
- material: HSS g steel
- in a metal case



Item #
1925

Tap and Die Set | M3 - M12 | 32 pcs.

- 7 tap sets DIN 352
- 7 dies DIN 223
25 x 9 mm: M3 x 0.5 - M4 x 0.7 - M5 x 0.8 - M6 x 1.0 - M8 x 1.25 - M10 x 1.5 - M12 x 1.75
- 1 die holder 25 x 9 mm
- 1 tap wrench (DIN 1814) no. 1
- 1 screwpitch gauge
- 1 screwdriver
- material: GCr15
- in a metal case

Item #
901



Thread Cutting Set | M3 - M12 | 21 pcs.

- DIN 352
- in metal case
- each 3 taps: M3 x 0.5 - M4 x 0.7 - M5 x 0.8 - M6 x 1.0 - M8 x 1.25 - M10 x 1.5 - M12 x 1.75
- material: HSS-steel

Item #
1924



Twist Drill / Tap Set | 14 pcs.

- twist drills: Ø 2.5 - 3.3 - 4.2 - 5.0 - 6.8 - 8.5 - 10.2 mm
- twist drills manufactured in accordance with DIN 338: M3 - M4 - M5 - M6 - M8 - M10 - M12, taps manufactured in accordance with DIN 371/376 B

Item #
9296



Thread cutting/HSS Drill Set | M3 - M12 / 2.5 - 10.2 mm

- for cutting internal metric threads
- in metal case
- drill sizes: M3 x 0.5 - M4 x 0.7 - M5 x 0.8 - M6 x 1.0M - 8 x 1.25 - M10 x 1.5 - M12 x 1.75
- 7 HSS drills for drilling the exact tapping drill hole: 2.5 - 3.3 - 4.2 - 5.0 - 6.8 - 8.5 - 10.2 mm



Item #	Description
1987	Thread cutting/HSS Drill Set M3 - M12 / 2.5 - 10.2 mm
1987-1	Tap Wrench for BGS 1987

HSS-G Drill / Tap and Die Set | 7 pcs

- 1 magnetic bit-holder
- 6 combination drills M3 x 0.5 - M4 x 0.7 - M5 x 0.8 - M6 x 1.0 M8 x 1.25 - M10 x 1.5
- multiple applications in one operation: 1. drilling the core hole 2. cutting threads - 3. flash removal and sinking



Item #	Description
1926	HSS-G Drill / Tap and Die Set 7 pcs
1926-LEER	Metal empty Case for BGS 1926

Die Holder

- Holder for Threading Dies
- steel handles, detachable
- retaining head from die-cast zinc with
- fixing screws for fastening the cutting die

Item #	Description
940	Die Holder #1 20 x 5 mm
941	Die Holder #2 20 x 7 mm
942	Die Holder #3 25 x 9 mm
943	Die Holder #4 30 x 11 mm
944	Die Holder #5 38 x 14 mm
1893-2	Die Holder #6 50 x 15 mm



Die Holder

- also as replacement for die holder in tap and die set BGS 1900

Item #	Description
1900-3	Die Holder #3 25 x 10 mm
1900-4	Die Holder #5 38 x 13 mm



Tap Wrenches

- holder for thread taps
- steel handles, detachable
- housing made of die-cast zinc
- jaws made of steel

Item #	Description
945	Tap Wrench #1 M1 - M10
946	Tap Wrench #2 M4 - M12
1893-1	Tap Wrench #3 M6 - M25



Tap Wrench

- also as replacement for tap wrench in BGS 1900

Item #	Description
1900-1	Tap Wrench M3 - M12
1900-2	Tap Wrench M6 - M20



Ratcheting Tool Holder

- for taps
- left and right side ratchet function, reversible
- works with sliding bar, 17 mm socket or 10 mm (3/8") ratchet
- suitable for taps up to M12 or 1/2"

Item #	
8652	 



Tool Holder with Sliding Handle for Taps

- clockwise and anti-clockwise, reversible



Item #	Description
1980	Tool Holder with Sliding Handle for Taps M3 - M10 80 mm
1981	Tool Holder with Sliding Handle for Taps M5 - M12 110 mm
1982	Tool Holder with Sliding Handle for Taps M3 - M10 255 mm
1983	Tool Holder with Sliding Handle for Taps M5 - M12 320 mm



Ratcheting Tap and Die Holder Set | 6 pcs.

- comfortable working with 10 mm (3/8") drive ratchet handle
- 72 teeth t-handle ratchet
- 2 tap holders, for sizes: M3 - M8 and M6 - M12
- 2 die holders for max. diameters of 20 mm - 25 mm
- extended range of application by using optional extension bar
- including double open end wrench

Item #	Description
1984	Ratcheting Tap and Die Holder Set 6 pcs.
1984-1	Ratchet with T-Handle external square 10 mm (3/8")



Screwpitch Gauges

Item #	Description
3067	Screwpitch Gauge 24 Blades Metric 0.25 - 6.00 mm
3068	Screwpitch Gauge 28 Blades whitworth 4G - 62G
3069	Twin Screwpitch Gauge, 52 Blades Metric 0.25 - 6.0 mm, Whitworth 4G - 62G



Face Pin Wrench Set | adjustable | Ø 2.5 - 9 mm

- face pin wrench, length: 245 mm
- carbon 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
- max. opening width 102 mm

Item #	Description
1464	Face Pin Wrench Set adjustable Ø 2.5 - 9 mm
1464-4	Pin Pair Ø 4 mm for BGS 1464
1464-5	Pin Pair Ø 5 mm for BGS 1464



Hook Wrench with flexible Jaw

- for slotted/grooved nuts (DIN 1804) and for adjusting stirring head bearings
- jaw width: 35 - 60 mm
- length: 175 mm
- material: special steel
- surface finish: burnished

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 Ø 4 mm
- riveted pins

Item #	
1463	



Seal Removing Hook Set | 3 pcs.

- S-shaped hooks e. g. for loosening rotary shaft seals
- 90° hooks e. g. for loosening O-rings
- small hook tool

Item #
8405



Fibreglass Shaft Stoning Hammer

- black lacquered head
- fibreglass shaft
- according to DIN 6475

Item #	Description
3847	Fibreglass Shaft Stoning Hammer 1000 g
3848	Fibreglass Shaft Stoning Hammer 1250 g
3849	Fibreglass Shaft Stoning Hammer 1500 g
3846	Fibreglass Shaft Stoning Hammer 2000 g



Stoning Hammer with Wooden Handle | 1000 g

- wooden shaft, 1/3 black lacquered
- satin black painted head
- gold lacquered shaft protection sleeve
- material handle: wood
- head weight: 1000 g
- Din standard: 6475

Item #
3865



Rubber Mallet with Fibreglass Shaft

Item #	Description
1960	Rubber Mallet with Fibreglass Shaft 250 g
1961	Rubber Mallet with Fibreglass Shaft 500 g
1962	Rubber Mallet with Fibreglass Shaft 750 g
1963	Rubber Mallet with Fibreglass Shaft 1200 g



Rubber Mallet | white Head

- with fibreglass handle
- made from white natural rubber, avoids marking off



Item #	Description
1965	Rubber Mallet white Head Ø 48 mm 250 g
1967	Rubber Mallet white Head Ø 64 mm 750 g



Rubber Mallet | Hickory Handle | black/white Head Ø 63 mm

- length: 340 mm
- material handle: hickory
- weight: 840 g

Item #
1969



Dead Blow Hammer | Head Ø 50 mm

- steel tube shaft
- rubber coated handle
- length: 330 mm
- weight: 850 g

Item #
1863



Dead Blow Hammer | Head Ø 60 mm

- made of polyurethane - fibre glass
- all rubber coated
- blow-back proof due to steel balls in the head of the mallet, therefore stronger impact
- especially for loosening stuck rims when changing tires
- handle length: 380 mm
- weight 1,300 g

Item #
1868



Dead Blow 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

- BGS 1968: for cars
- BGS 1876: extra heavy duty for trucks and SUVs

Item #	Description
1968	Dead Blow Hammer Head Ø 70 mm
1876	Dead Blow Hammer Head Ø 105 mm



Copper Hammers

- copper hammers for damage-free assembling of bearings
- fibreglass shaft with rubber grip

Item #	Description
890	Copper Hammer 454 g (1 lb) Head
891	Copper Hammer 680 g (1.5 lb) Head
892	Copper Hammer 907 g (2 lb) Head



Machinist's Hammer

- wooden shaft, 1/3 black painted
- matt black painted head
- gold coloured shaft protection sleeve
- according to DIN 1041

Item #	Description
850	Machinist's Hammer 100 g
851	Machinist's Hammer 200 g
852	Machinist's Hammer 300 g
853	Machinist's Hammer 400 g
854	Machinist's Hammer 500 g
855	Machinist's Hammer 800 g
856	Machinist's Hammer 1000 g
857	Machinist's Hammer 1500 g
858	Machinist's Hammer 2000 g



Machinist's Hammer | fibreglass shaft

- black lacquered head
- according to DIN 1041

Item #	Description
3850	Machinist's Hammer fibreglass shaft 100 g
3852	Machinist's Hammer fibreglass shaft 300 g
3854	Machinist's Hammer fibreglass shaft 500 g
3855	Machinist's Hammer fibreglass shaft 800 g
3856	Machinist's Hammer fibreglass shaft 1000 g
3857	Machinist's Hammer fibreglass shaft 1500 g
3858	Machinist's Hammer fibreglass shaft 2000 g



Machinist's Hammers | Hickory Handle | DIN 1041

- high quality hammer for perfect working safety
- shock-resistant hickory handle
- protection metal sleeve, safety pin
- round ring wedge
- forged hammer head
- manufactured in accordance with DIN 1041

Item #	Description
52302	Machinist's Hammer Hickory Handle DIN 1041 200 g
52303	Machinist's Hammer Hickory Handle DIN 1041 300 g
52304	Machinist's Hammer Hickory Handle DIN 1041 400 g
52305	Machinist's Hammer Hickory Handle DIN 1041 500 g
52308	Machinist's Hammer Hickory Handle DIN 1041 800 g
52310	Machinist's Hammer Hickory Handle DIN 1041 1000 g
52315	Machinist's Hammer Hickory Handle DIN 1041 1500 g
52320	Machinist's Hammer Hickory Handle DIN 1041 2000 g



Roofing Hammer | Fibre Glass | 600 g

- with fibreglass handle
- forged, polished head
- magnetic inlay
- polished head
- head weight: 600 g

Item #
1865



Sledge Hammer | 5000 g

- wedged and cast head
- satin black lacquered finish
- non-slip rubber coated shaft
- length: 900 mm
- head weight: 5000 g

Item #

3860



Panel Beating Hammer | Ø 30 mm Head

- plastic heads
- 2-component-handles (fibreglass)
- head diameter: 30 mm

Item #

52326



Soft Head Hammer Set | Hickory Handles | 2 pcs.

- with nylon faces
- size head 1 Ø 30 mm
- size head 2 Ø 45 mm

Item #

1859



Hammer with Interchangeable Heads | Ø 35 mm

- 5 exchangeable heads, diameter approx. 35 mm,
- made of copper, aluminium, plastic, nylon, steel
- hickory handle
- length: 305 mm

Item #

9176



Pin Punch Set | 150 mm | incl. Chisel + Centre Punch | 8 pcs.

- in tetron wallet
- 5 pin punches with hexagon shaft, hardened, length 150 mm: 3 - 4 - 5 - 6 - 8 mm
- 1 flat chisel, length: 150 mm x 15 mm
- 1 cross chisel, length: 150 mm x 4 mm
- 1 centre punch, length: 150 mm

Item #

1658



Centre Punch Set | 6 pcs.

- hardened, tips polished, shaft lacquered
- sizes 3 - 4 - 5 - 6 - 7 - 8 mm
- length: 150 mm

Item #
1656



Automatic Centre Punch | 15 - 25 kg

- continuously adjustable 15 - 25 kg



Item #	Description
2085	Automatic Centre Punch 15 - 25 kg
2085-1	Spare Steel Tip for BGS 2085



Center Punch | 5 x 12 x 120 mm

- hardened
- lacquered 12 mm hexagon shaft
- size: 5 mm
- length: 120 mm

Item #
1696



Scriber, Hard Metal Tip | 150 mm

Item #
3131



Chisel and Punch Set | 15 pcs.

- ergonomically shaped non-slip rubber coated handle
- quick change handle manufactured from chrome molybdenum steel
- 7 flat cold chisels
- 1 cross cut chisel
- 1 center punch
- 3 centre punches
- 2 parallel pin punches



Item #
1641

Chisel and Punch Set | 28 pcs.

- in tetron wallet
- 5 pin punches made of 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 conical pin punches made of 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 air-hardened chisels made of chrome vanadium:
 - 9.5 x 140 mm
 - 12.5 x 150 mm
 - 16 x 165 mm
- 2 center punches made of chrome vanadium:
 - 3 x 125 mm
 - 4.8 x 150 mm
- 1 depth gauge made of chrome vanadium
- 6 air-hardened chisels made of 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 pin punches made of carbon steel:
 - 3 x 150 mm
 - 18 x 260 mm
 - 9.5 x 125 mm
 - 9.5 x 250 mm
- 2 centre punches made from carbon steel: 145 mm and 375 mm



Item #
1650



Body Cutting Chisel Set | 3 pcs.

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



Item #	Description
1690	Body Cutting Chisel Set 3 pcs.
1691	Body Cutting Chisel straight
1692	Body Cutting Chisel angled 15°
1693	Body Cutting Chisel angled 90°



Panel Chisel | 235 mm

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

Item #
1640



Flat Chisel | 25 x 250 mm

- hardened
- lacquered shaft
- cutting edge width: 25 mm
- shaft dimensions: 13 x 23 mm
- length: 250 mm

Item #
1698



Cross Chisel | 6 x 200 mm

- hardened
- lacquered shaft
- cutter dimensions: 6 x 8 mm
- shaft dimensions: 12 x 20 mm
- length: 200 mm

Item #
1699



Flat Chisel | 295 mm

- with wide safety insulation
- hexagon shaft, Ø 16 mm
- cutting edge width: 25 mm
- length: 295 mm

Item #
1646



Parallel Pin Punch Set | 100-150-200 mm | 1.5 - 9.5 mm | incl centre Punches | 18 pcs.

- extra long and thin
- hardened, colored shaft
- 8 pin punches, length: 200 mm, 1.5 - 2.5 - 3.0 - 4.0 - 5.0 - 6.0 - 8.0 - 9.5 mm
- 2 pin punches, length: 150 mm, 8.0 - 9.5 mm
- 7 pin punches, length: 100 mm, 1.5 - 2.5 - 3.0 - 4.0 - 5.0 - 5.5 - 6.0 mm
- 1 automatic centre punch, length: 125 mm

Item #
1695



Pin Punch Set | 200 mm | 3 - 10 mm | 6 pcs.

- with hexagon shaft, hardened
- extra long, 200 mm
- in tetron wallet
- pin punches, length: 200 mm, 3 - 4 - 5 - 6 - 8 - 10 mm

Item #
1655



Pin Punch / Chisel / Centre Punch Set | 12 pcs.

- heavy duty type with hexagon shaft
- forged carbon steel
- in storage bag with suspension eyelets
- 6 different flat chisels: 14.5 mm x 145 mm to 19 mm x 250 mm
- 3 pin punches: 4.5 x 250 - 6.5 x 180 - 8 x 250 mm
- 1 drift punch 9.7 x 200 mm
- 2 punches: 150 mm and 200 mm long

Item #
1657



Pin Punches

- handle with rubber protection
- hardened
- lacquered shaft



Item #	Description
9081	Pin Punch 225 mm 8 mm
9082	Pin Punch 240 mm 10 mm
9083	Pin Punch 260 mm 12 mm
9084	Pin Punch 275 mm 14 mm
9085	Pin Punch 290 mm 16 mm



Pin Punch Set | 150 mm | 3 - 8 mm | 6 pcs.

- hardened, colored shaft
- pin punches, length: 150 mm, 3 - 4 - 5 - 6 - 7 - 8 mm



Item #	Description
1651	Pin Punch Set 150 mm 3 - 8 mm 6 pcs.
1651-3	Pin Punch 150 mm 3 mm
1651-4	Pin Punch 150 mm 4 mm
1651-5	Pin Punch 150 mm 5 mm
1651-6	Pin Punch 150 mm 6 mm
1651-7	Pin Punch 150 mm 7 mm
1651-8	Pin Punch 150 mm 8 mm
1651-10	Pin Punch 150 mm 10 mm
1651-12	Pin Punch 150 mm 12 mm



Cutter | extra heavy duty finish | Blade width 25 mm

- metal type
- for right-handed people
- non slip rubber coated soft grip
- with automatic blade transport made of metal
- Blade locking mechanism with turning mechanism
- blade width: 25 mm



Item #	Description
50625	Cutter extra heavy duty finish Blade width 25 mm
50626	Retractable Blades 25 mm 10 pcs.



Safety Cutter

- heavy design
- safety auto retracting mechanism
- metal guide
- compartment for spare blades in handle
- incl. trapezoidal blades

Item #
50602



Safety Cutter

- self-retracting blade
- zinc alloy
- includes 1 trapezoid blade

Item #
50606



Snap-off Knife | Blade width 18 mm

- heavy duty finish, diecast zinc body
- blade width: 18 mm, metal guided
- silver colored, with black non-slip rubber coated soft grip
- blade width: 18 mm

Item #
7958



Snap-Off Knife | Blade width 18 mm

- universal knife for 18 mm break off segment blades, with metal guide
- non slip rubber coated soft grip
- 1 snap knife with inserted blade in the magazine
- 7 spare blades in plastic box
- blade width: 18 mm

Item #
7955



Universal Knife | break-off segmented Blade 18 mm

- incl. 1 break off segmented blade
- blade width: 18 mm

Item #
7980



Retractable Knife | Blade width 9 mm

- with blade locking mechanism
- made of die-cast zinc
- blade width: 9 mm, metal guided
- silver colored with black anti-slip protection
- blade width: 9 mm

Item #
7966



Spare Blade Set | 18 mm | 10 pcs.

- for universal knives BGS e. g. 7970, 7958, 7955, 7956

Item #
7971



Spare Blade Set | 9 mm | 10 pcs.

- spare blades for BGS items e. g. 7972, 7953

Item #
7973



Trapezoidal Blades Set | 0.6 x 12 mm | 5 pcs.

- heavy duty finish
- suitable for Safety Knife BGS e. g. 50606

Item #
7975



Hook Blades | 19 mm | 5 pcs.

- for cutting carpets
- blade material: SK-5
- suitable for e. g. BGS 50602, 50605, 50606, 50607

Item #
7976



Metal Shears | 300 mm

- PVC dipped handles
- spring mechanism
- with safety latch
- cutting capacity sheet steel max. 1.2 mm
- cutting capacity stainless steel max. 0.7 mm

Item #
8476



Metal Shears | left / straight cutting | 260 mm

- tooth jaw made of chrome molybdenum steel
- forged

Item #
1680



Metal Shears | right / straight cutting | 260 mm

- tooth jaw made of chrome molybdenum steel
- forged

Item #
1681



Metal Shears | straight cutting | extra long blades | 290 mm

- serrated edged blades, forged, induction-hardened, chrome molybdenum alloy
- special design: extra long blades, straight cut
- ergonomic 2-component handles
- for cutting sheets made of steel, copper, brass and plastic
- safety lock
- cuts up to 1.0 mm cold-rolled steel
- length: 290 mm
- blade length: 80 mm

Item #
9450



Mini Body Sheet Shears | straight cut | 195 mm

- for cutting sheets made of stainless steel, steel, copper, brass, etc.
- cuts up to 1.2 mm cold rolled steel or 0.7 mm AISI-304 stainless steel
- serrated edged blades, forged, induction-hardened, chrome molybdenum alloy
- 2-component handles



Item #	Description
6136	Mini Body Sheet Shears straight cut 195 mm
6137	Mini Body Sheet Shears left cut 195 mm
6138	Mini Body Sheet Shears right cut 195 mm



Universal Shears | Stainless Steel | 180 mm

- heavy-duty stainless steel blades
- slip guard handles with soft grips for easy use
- with spring and security lock
- saw-type blade
- with wire stripping gap

Item #
7962



Stainless Steel Electrician's Scissors | 145 mm

- heavy-duty stainless steel blades
- slip guard handles with soft grips for easy use
- saw-type blade
- with wire stripping gap

Item #
7963



VDE Cable Knife with Slip Protection

- VDE/GS approved according to DIN EN 60900
- up to 1000 volt
- with hanging hole
- ergonomically shaped handle with slip protection
- blade securely covered by cap
- stainless steel blade, polished

Item #
7965



Cable Knife with straight Blade

- for easy and comfortable stripping of cables
- specially shaped handle prevents slipping when pulling the knife
- stainless steel blade

Item #
9321



Cable Knife with Hook Blade

- for easy and comfortable stripping of cables
- specially shaped handle prevents slipping when pulling the knife
- stainless steel blade

Item #
9322



Folding Knife | 150 mm

- for cutting carpet, cardboard, foils, etc.
- locking mechanism for locking the knife in open position and unlocking mechanism at the back of the handle for folding the knife
- blade locking mechanism with quick release function
- incl. spare blades
- material: aluminum, anodized

Item #
50605



Knife for Insulating Material

- extra flat blade, hardened & polished
- made of rust-proof steel
- double serrated blade:
 - saw shaped side for solid and hard insulation
 - wave shaped side for soft and pliable insulation
 - blade tip for drilling into insulation materials
- length: 420 mm
- surface finish blade: polished
- blade length: 280 mm
- handle type: 2-component handle



Item #
81728



Knife for Insulating Material | 240 mm

- 140 mm special blade with straight edge
- for straight and clean cutting of polystyrene, EVA, fibre glass, foam- and insulation materials
- 100 mm handle, die cast zinc
- length: 240 mm
- blade length: 140 mm



Item #
81735



Digital Calliper | 150 mm

- extra large display
- scale in mm/inch, reading 1/100 mm
- zero reset in any position, metric/inch conversion
- +/- display
- battery included
- packed in plastic case



Item #	Description
1930	Digital Calliper 150 mm
1930-LEER	Empty Case for BGS 1930

Precision Vernier Calliper

- Chrome plated
- nonius 1/20 mm
- measurement: internal/external/depth



Item #	Description
1932	Precision Vernier Calliper 0 - 150 mm
1933	Precision Vernier Calliper 0 - 200 mm
1934	Precision Vernier Calliper 0 - 300 mm
1934-LEER	Empty Case for BGS 1934

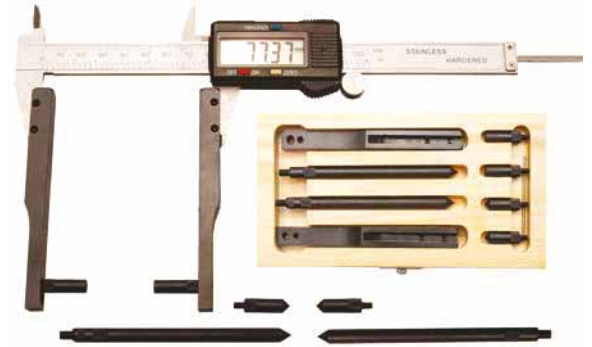
Calliper Accessories Set

- for extending the measurement capabilities of callipers
- in wooden case

allows measurements on:

- deeper measurement points
- inwardly tapered components
- measuring leg, 2 pcs.
- measuring tip, long, 2 pcs.
- measuring tip, short, 2 pcs.
- measuring heads, short, 2 pcs.
- calliper not included

Item #
1930-1



Digital Micrometer | 0 - 25 mm

- for precise measuring of e. g. shims at gears, valves, etc.
- measuring range: 0 - 25 mm
- display resolution: 0.001 mm
- measuring resolution: +/- 4 µm
- measuring force: 5 - 10 N
- incl. CR 2032 battery

Item #
8427



Micrometer in Wooden Case | graduation 0.01 mm | 0 - 25 mm

- for precise measuring of shims at gears, valves, etc.
- measuring range: 0 - 25 mm

Item #	Description
1935	Micrometer in Wooden Case graduation 0.01 mm 0 - 25 mm
1935-LEER	Empty Wood Case for BGS 1935



Digital Micrometer | 0 - 13 mm

- for quick and easy determination of e.g. brake disc thickness, also suitable for all other measurements
- measurement is carried out via spring mechanism, opens by pressing an opening lever
- resolution: 0.01 mm

Item #
8675



Digital Protractor

- 3 tools in one: protractor, inclinometer and level
- extra large LCD display with backlight
- beeper will sound at: 0°, 10°, 20°, 30°, 40°, 50°, 60°, 70°, 80°, 90°
- stores measured data
- display automatically reads upright
- degree and slope conversion
- auto power off, low battery warning
- measuring range: 4 x 90°
- accuracy: 0.1°
- battery type: 3 V CR2032 x 3 pcs. (not included)
- operating temperature: 0°C - 40°C
- relative humidity: 40% - 80%
- length: 150 mm
- width: 50 mm
- height: 8.5 mm



Item #
9330



Digital LCD Protractor with Level | 450 mm

- for transferring and measuring angles
- HOLD-function for holding the measured value
- lighted LCD-display
- working range angle 0 to 220°
- resolution 0,1°
- angle precision +/- 0,5°
- 2 vials (horizontal and vertical)
- aluminium housing
- incl. 9V battery



Item #
50440



Aluminium Water Level | 300 mm

- bubble levels for horizontal, vertical and diagonal (45 degree) measurement



Item #
3574

Measuring Tapes

- with locking function and belt clip
- in accordance with EEC



Item #	Description
8393	Measuring Tape 16 mm x 3 m
8394	Measuring Tape 19 mm x 5 m
8392	Measuring Tape 25 mm x 8 m



Wooden Folding Rule | 2 m

- easy operation due to internal steel springs
- tight links and scale division on the 2-nd part
- black graduation, decimal numbers in red
- accuracy class III
- length: 2 m

Item #
2053



Calliper for Inch Screws

- for determining the required wrench

Item #
8644



Magnetic Stand for Measuring Instruments

- on/off switch
- Dial gauge holder for 4.5 mm and 8 mm shaft
- Magnetic block with prism support (e.g. for shafts)
- Retaining arm with fine adjustment and joint
- suitable for holding mechanical and digital dial gauges

Item #
1938



Gauge for BGS 1938

- measuring resolution +/- 0.01 mm

Item #
1938-1



Digital Dial Gauge

- switchable from inches to mm
- measuring range: 0 - 12.7 mm (1/2")
- reset button for 0-position
- automatic turn-off
- suitable for standard measuring stands for e. g. BGS 1938
- clamping Ø 8 mm, hardened and polished
- hardened ball tip

Item #
1938-2



Battery | SR44

- suitable for e. g. BGS 1930, 1941
- standard battery SR44

Item #
1931



Battery | CR2032

- suitable for e. g. BGS 977, 978, 979, 1943, 9330
- standard battery CR2032

Item #
9700



Nut Splitter | 3 - 24 mm

- for splitting rusted nuts
- suitable for 3 - 24 mm
- adjustable backing plate
- hardened splitting head

Item #
9024



Nut Splitter Set | 12 - 16 mm / 16 - 22 mm | 2 pcs.

- forged carbon steel, separates bolts and corroded/stuck nuts
- avoids damage of the thread
- nut splitter, up to 16 mm, drive 14 mm, length: 95 mm
- nut splitter, up to 22 mm, drive 19 mm, length: 120 mm

Item #
1812



Nut Splitters

- forged carbon steel, separates bolts and corroded/stuck nuts
- without damaging the thread



Item #	Description
1811	Nut Splitter up to 16 mm
1810	Nut Splitter up to 22 mm



Expert tube Cutter with Ratcheting function

- with ratcheting function
- manufactured from diecast aluminium
- hardened and stainless blades
- for plastic tube Ø up to 35 mm

Item #	Description
1819	Expert Tube Cutter with Ratcheting function
1819-1	Replacement Blade for Professional Pipe Cutter for BGS 1819



Pipe Cutter | Ø 3 - 35 mm / 1/8" - 1 3/8"

- heavy duty
- 4 bearing wheels
- fine adjustment spindle to adjust the cutting roller pressure
- suitable for aluminium, copper, steel pipes
- incl. deburring tool

Item #	Description
8341	Pipe Cutter Ø 3 - 35 mm / 1/8" - 1 3/8"
8341-1	Replacement Cutter for 8341



Pipe Cutter | Ø 4 - 28 mm

- for copper pipes
- with spring for adjusting the cutting wheel contact pressure
- Spring prevents excessive contact pressure and possible crushing of the pipe

Item #	Description
8344	Pipe Cutter Ø 4 - 28 mm
8344-1	Pipe Blade for Tube Cutter BGS 8344



Tube Cutter | Ø 3 - 25 mm / 1/8" - 1"

- heavy duty
- 2 bearing wheels
- fine adjustment spindle to adjust the cutting roller pressure
- best suitable for aluminium, copper, steel pipes

Item #	Description
8340	Tube Cutter Ø 3 - 25 mm / 1/8" - 1"
8340-1	Replacement Cutter for BGS 8340



"3-in-1" Countersink Set

- Deburring tool: Ø 12 - 16 - 19 mm
- with quick lock, non-slip ergonomic 2 component handle

Item #	
8369	



Deburring Tool

- blade rotates 360° in handle, thus ideally suitable for deburring holes
- length: 135 mm
- blade length: 47 mm
- handle type: 2-component handle



Item #	Description
8328	Deburring Tool
8329	Spare Blade for BGS 8328



Pipe Reamer

- for outside and inside deburring of metal pipes
- suitable for pipe internal diameter of 3 to 12 mm and pipe outside diameter of 4 to 14 mm
- inside cutter retractable
- nickel-chromium-molybdenum alloy
- outside cutter made of HSS steel

Item #	
8732	



Hacksaw Frame | extra heavy duty | incl. HSS saw Blade | 300 mm

- soft grip handle
- square pipe
- with HSS saw blade 300 mm

Item #
2079



Aluminium Hacksaw Frame | incl. HSS saw Blade | 300 mm

- high strength aluminium frame with low weight
- professional anti-slip handle
- highly effective blade tensioning system
- for straight cuttings
- saw blade 0° - 90° - 180° - 270° adjustable
- incl. HSS bi-metal saw blade
- length: 300 mm

Item #
2081



Hacksaw Frame | incl. HSS saw Blade | 300 mm

- saw blade adjustable in 2 positions

Item #
2077



Plastic Hacksaw | 150 mm

- black rubber handle
- incl. 1 metal saw blade

Item #
2064



Aluminium Hacksaw Frame | 150 mm

- ideal for wood, metal and plastic
- pistol grip for best handling
- saw blade 0° - 60° - 120° - 180° - 240° - 300° adjustable
- incl. bi-metal saw blade
- length: 150 mm

Item #
2083



Jigsaw Frame | extra deep type

- wooden handle
- with 5 assorted blades (170 mm length)
- extra deep shape

Item #
2073



Rapid Pull Saw | 265 mm

- high carbon steel blade
- induction hardened teeth
- 15 teeth per 25.4 mm

Item #
50350



Hacksaw Blades | HSS | 13 x 300 mm | 10 pcs.

- 24 tooth per inch
- saw blade length 300 mm
- saw blade width 13 mm
- material: HSS-steel
- saw blade thickness 0.65 mm
- tooth separation: 24

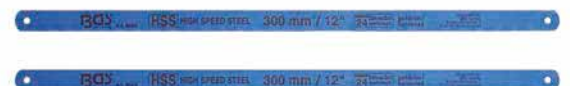
Item #
2061



Hacksaw Blades | 13 x 300 mm | 2 pcs.

- length: 300 mm
- material: HSS-steel

Item #
8628



Plastic Miter Box | 245 x 67 x 48 mm

- for perfectly fitting miters
- clean and safe use of hand saws
- for 45 and 90 ° angle
- max. cutting depth 34 mm
- max. cutting width 42 mm

Item #
50855



Aluminium Miter Box | 245 x 65 x 55 mm

- for perfectly fitting miters
- clean and safe use of hand saws
- for 45° and 90° angle
- cutting depth: 45 mm
- cutting width: 60 mm

Item #
50860



Aluminium Miter Box | 245 x 106 x 44 mm

- for perfectly fitting miters
- clean and safe use of hand saws
- for 45° and 90° angle
- cutting depth: 44 mm
- cutting width: 106 mm

Item #
50865



Push-through Ratchet with Adaptor and Step Wrench | internal square 12.5 mm (1/2") 12.5 mm 1/2"

- step wrench with external hexagon: 10 mm (3/8") - 7/16" - 12.5 mm (1/2") - 5/8" - 13/16"
- profile: internal square (1/2")
- 12.5 mm drive
- surface finish: chrome-plated

Item #
314



Radiator Spud Wrench | 12.5 mm (1/2") Drive | 5 steps

12.5 mm 1/2"

- 3/8" - 7/16" - 1/2" - 5/8" - 13/16" mm
- suitable ratchet e. g. BGS 312

Item #
1461



Radiator Spud Wrench | 12.5 mm (1/2") Drive | 5 steps

12.5 mm 1/2"

- 3/8", 7/16", 1/2", 16 and 21 mm

Item #
1462



Installation Wrench | for WC seat

- hygienic, clean and very easy to handle
- for almost all WC seat attachments and "corner solutions"
- for 6 mm to 10 mm threaded rods
- for turning the corner valve on and off
- optimum leverage due to special joint
- length: 200 mm

Item #
9598



Installation Wrench | for WC seat | 4 pcs.

- hygienic, clean and very easy to handle
- for almost all WC seat attachments and "corner solutions"
- for 6 mm to 10 mm threaded rods
- for turning the corner valve on and off
- optimum leverage due to special joint
- with three adapters
- length: 200 mm

Item #
9599



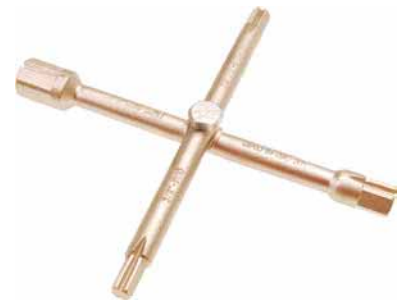
Sanitary Cross Wrench

- suitable for sanitation work

fits on screws with:

- external square 12.5 mm (1/2") and 10 mm (3/8")
- internal hexagon 3/8", 1/2", 3/4", 1" or 10, 12, 17, 22 mm

Item #
8448



Sanitary Wrench | with Sliding part M10 | 17x19 mm

- sliding part with M10 interior thread
- wrench size 1: 17 mm
- wrench size 2: 19 mm

Item #
8560



Basin Wrench

- perfect for right and left hand threads
- foldable T-handle
- 180° swivel head
- heavy design
- max. opening: 40 mm

Item #
8330



Universal Switchboard Key

- for opening and closing technical locks of switchboards control devices, a/c, ventilation, access panels, service doors
- also for opening service doors of street lights, garbage cans etc.
- including chain, bit, adaptor and 5 mm square for heatings
- a must-have tool for industry, handcraft, town councils, energy suppliers, public services, electricians, DIY, sanitary, building, janitors and many more
- dimensions: 72x72 mm, weight 80 g

Item #
9415



Universal Key "PRO Key"

- for opening and closing technical locks of a/c, ventilation, access panels, service doors
- also for opening service doors of street lights, garbage cans etc.
- including chain, bit, adaptor and 5 mm square for heatings
- a must-have tool for industry, handcraft, town councils, energy suppliers, public services, electricians, DIY, sanitary, building, janitors and many more
- length: 90 mm
- width: 62 mm
- weight: 80 g

Item #
9416



Universal Switchboard Key "SuBMaker Quadro 10 in 1"

- suitable for industry, crafts, air conditioning and ventilation technology
- double rotating mechanism for the following tools:
 - holder for 6.3 mm (1/4") sockets, allows for comfortable operation
 - bit holder for 6.3 mm (1/4") hexagon in the rotating cross and mid section, bits are held over inserted magnet
 - internal 3-pt. 5 - 6 - 6 - 7 - 8 - 9 mm
 - internal square, 5 mm, for bleeding radiators
 - internal square 6 - 7 - 8 - 9 mm
 - special key for control cabinets, round, with two tabs, 3-5 mm
- with practical holding clip
- length: 95 mm
- width: 38 mm
- weight: 86 g



Item #
1469



Screw Hole Punch

- high alloy special steel
- for securely drilling stainless steel or similar materials
- 6-pt. drive 17 mm



Item #	Description
3902	Screw Hole Punch 32 mm
562	Screw Hole Punch 35 mm

Pipe Threading Set | 3/8" - 1.1/4" | 7 pcs.

- sizes: 3/8", 1/2", 3/4", 1", 1 1/4"
- 1 pipe threading ratchet with 2-piece extension bar

Item #
1892



Water Pump Pliers | with Plastic Protective Jaws | 250 mm

- suitable for all types of fittings
- protection jaws prevent damage to chromed surfaces
- easy adjustment mechanism
- PVC dipped handles
- incl. 2 spare protective jaws
- min. opening: 8 mm, max. opening: 68 mm
- max. clamping width: 68 mm
- min. clamping width: 8 mm



Item #
75120



Universal Scraper Set | 4 pcs.

- solid, ergonomically shaped 2-component grip handles with hanging hole and metal cap for use with hammer
- blade material: stainless steel
- 2 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
- 2 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



Item #
363

Scraper & Knife Set | 27 pcs.

- incl. 20 sharp blades in various sizes
- with 5 blades for the removal of glue, labels etc.
- incl. 2 component rubber coated handle and robust universal knife

Item #	Description
364	Scraper & Knife Set 27 pcs.
364-LEER	Empty Case for BGS 364
364-12	Spare Scraper Blades Set for BGS 364 0.6 x 12 mm 5 pcs.
364-16x53	Spare Scraper Blades Set for BGS 364 0.6 x 16 mm x 53° 5 pcs.
364-16	Spare Scraper Blades Set for BGS 364 0.6 x 16 mm 5 pcs.
364-20	Spare Scraper Blades Set for BGS 364 0.6 x 20 mm 5 pcs.



Plastic Scraper

- for removing glued wheel balancing weights on aluminum wheel rims and for removing glued protective strips and trims
- blade can be sharpened



Item #	Description
367	Plastic Scraper 19 mm
365	Plastic Scraper 22 mm

Plastic Scraper Set | 19 - 22 - 25 - 38 mm wide | 4 pcs.

- 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: polyoxymethylene (POM) / fibre glass



Item #
366



Scraper | Stainless Steel | solid 2-component Rubber grip Handle with hole

- blade size: 30 mm
- blade length: 105 mm
- blade thickness: approx. 2.3 mm



Item #
3063



Gasket Scraper | 280 mm

- for cleaning cylinder head / valve cover and carburettor or cover gaskets
- blade width: 25 mm



Item #
3085



Polishing Heads Assortment | 6.3 mm (1/4") Drive | 14 pcs.

- made of fine cotton
- ideal for polishing metal and non-metal workpieces
- shaft 6.3 mm (1/4")
- 6 mushroom shaped polishing heads:
 - each 2x 50 mm - 75 mm - 100 mm
 - ideal for polishing surfaces face down onto work
- 4 taper shape polishing heads:
 - each 2x 53 mm - 63 mm
 - ideal for polishing the inside of cups, domes, bowls and goblets
- 4 drum shape polishing heads:
 - each 2x 45 mm - 63 mm
 - ideal for polishing awkward areas and inside goblets and bowls



Item #
3995

Polish Sets for hard or soft Metals | 7 pcs.

- complete kit for removing scratches and for polishing metals
- available for soft and hard metals:
3990: for soft metals, e.g. brass, copper, tin, pewter, aluminium,
3991: for hard metals, e.g. steel, iron, stainless steel- with 3 buffing pads
- with 3 buffing pads (3990: 1x firm, 2x medium / 3991: 2x firm, 1x medium)
- with drill chuck
- with 3 polishing pastes



Item #	Description
3990	Polish Set for soft Metals 7 pcs.
3991	Polish Set for hard Metals 7 pcs.



Polishing Disc with Mandrel | 6 mm

- suitable for polishing materials such as copper, brass, aluminium, steel, etc.
- 6 mm shaft for electric drills
- multi-layer disc Ø 125 x 22 mm

Item #
3989



Polisher Kit | Ø 65 + 105 mm

- especially for cars and trucks for cleaning, rust removal etc.
- 12.5 mm (1/2") adaptor for air impact wrenches

Item #
3965



Flap Discs

- for angle grinders
- bore 22.2 mm

Item #	Description
3970	Flap Disc Ø 115 mm K 40
3973	Flap Disc Ø 115 mm K 60
3971	Flap Disc Ø 115 mm K 80
3972	Flap Disc Ø 115 mm K 120
3974	Flap Disc Ø 125 mm K 40
3975	Flap Disc Ø 125 mm K 60
3976	Flap Disc Ø 125 mm K 80
3977	Flap Disc Ø 125 mm K 120



Abrasive Grinding Wheel | black | Ø 100 mm | 16 mm mounting hole

- ideal for removing rust & paint
- 6 mm shank diameter
- max. drive speed 11500 rpm
- for use with an electric drill
- diameter: 100 mm
- bore diameter: 16 mm



Item #
3978



Abrasive Grinding Wheels | Ø 100 mm | 16 mm mounting hole

- ideal for removing rust & paint
- max. drive speed: 11,500 rpm (max. 80 m/s)
- mounting hole: Ø 16 mm
- diameter: 100 mm
- material: carborundum, grain size: 46



Item #	Description
9183	Abrasive Grinding Wheel blue Ø 100 mm 16 mm mounting hole
9184	Abrasive Grinding Wheel black Ø 100 mm 16 mm mounting hole

Grinding Wheels / Sanding Pad Set | Ø 50 mm

- for grinding of surfaces in automotive and other areas
- suitable for electric drills
- max. drive speed 30,000 rpm
- 1 x mounting plate for grinding wheels with shaft diameter 6 mm, shaft length 45 mm, thread M6 x 1/4"
- 2 x grinding discs, grain size 60 (brown)
- 2 x grinding discs, grain size 120 (brown)



Item #
8590



Grinding Wheels / Sanding Pad Set | Ø 75 mm

- for grinding of surfaces in automotive and other areas
- 75 mm adaptor disc with 6 mm shaft
- suitable for electric drills
- max. drive speed 10,000 rpm
- 1 grinding disc, grit 60 (brown)
- 2 grinding discs, grit 80 (red)
- 2 grinding discs, grit 120 (green)



Item #
8591



Grinding and Polishing Set | Ø 125 mm

- for grinding and polishing of surfaces in automotive and other areas
- 125 mm adaptor disc M14 with hook and loop support
- includes foam pad, wool pad, sanding paper (aluminum oxide), grit 400-600-800
- suitable for machines with M14 adaptor

Item #
8592



Chain Saw Sharpener

- for use with an electric drill with collar of Ø 43 mm (European Standard)
- for chains of any length
- simple operation
- includes one disc 100 x 3.2 x 10 mm (BGS 3177) for chain sizes 6.3 mm (1/4"), 0.325" and 10 mm (3/8")

Item #	Description
3180	Chain Saw Sharpener
3177	Grinding Disc for BGS 3180 Ø 100 x 3.2 x 10 mm
3178	Grinding Disc for BGS 3180 Ø 100 x 4.5 x 10 mm



Foil Eraser | Ø 90 mm

- suitable for electric drills
- for the removal of adhesive residues, etc.
- shaft size: 6 mm, length: 18 mm
- incl. adaptor 5/8" x 24 to 6.0 mm, length: 40 mm
- max. 4000 rpm
- diameter: 90 mm
- thickness: 15 mm

Item #
3999



HSS Lathe Tool Set | 38 pcs

- shaft thickness: 8 mm (5/16")
- carbide tipped
- various shapes
- length 60 mm each



Item #
9925

Cutting Disc for Metal / Stone | Type 42

- MPA certified
- cranked type, suitable for angle grinders
- bore 22.2 mm
- disc thickness: 2.5 mm
- max. speed: 80 m/s

3922

- suitable for steel
- max. drive speed: 13.300 rpm
- disc diameter: 115 mm

3923

- suitable for steel
- max. drive speed: 12.200 rpm
- disc diameter: 125 mm

3927

- suitable for stone
- max. drive speed: 13.300 rpm
- disc diameter: 115 mm



Item #	Description
3922	Cutting Disc for Metal Ø 115 x 2.5 x 22.2 mm Type 42
3927	Cutting Disc for Stone Ø 115 x 2.5 x 22.2 mm Type 42

Cutting Discs for Stainless Steel

- perfect for cutting stainless steel
- 1 mm thickness for fine cuts (3935, 3936)
- 22.2 mm reinforced bore hole
- max. 13,280 rpm, 80 m/s

Item #	Description
3935	Cutting Discs for Stainless Steel Ø 115 x 1.0 x 22.2 mm 5 pcs.
3936	Cutting Discs for Stainless Steel Ø 125 x 1.0 x 22.2 mm 5 pcs.
3937	Cutting Discs for Stainless Steel Ø 230 x 1.6 x 22.2 mm 5 pcs.



Screwdriver Set | extra long | Cross Slot PH / Slot SL | 2 pcs.

- screwdriver, slot SL 6 mm
- screwdriver, cross slot PH2
- lenght: 450 mm

Item #
730



Screwdriver Set | 5 pcs.

- non-slip 2-component handles
- screwdriver slot SL 4.0 x 80 mm - 5.5 x 125 mm - 6.5 x 150 mm
- screwdriver cross slot PH1 x 80 mm - PH2 x 100 mm

Item #
7943



Screwdriver Set | 7 pcs.

- non-slip 2-component handles
- screwdriver slot SL: 4 x 80 mm - 5.5 x 125 mm - 6.5 x 150 mm - 8.0 x 200 mm
- screwdriver cross slot PH: PH1 x 80 mm - PH2 x 100 mm - PH3 x 150 mm

Item #
7944



Screwdriver Set | internal Hexagon | 8 pcs.

- non-slip 2-component handles
- screwdriver internal hexagon 1.5 x 75 mm - 2.0 x 75 mm - 2.5 x 75 mm - 3.0 x 100 mm - 4.0 x 100 mm - 5.0 x 150 mm - 6.0 x 150 mm - 8.0 x 200 mm

Item #
8629



Screwdriver Set | Spline (for XZN) | 5 pcs.

- screwdriver for spline screws: M4 - M5 - M6 - M8 - M10
- with non-slip 2 component handles
- blade length: 300 mm
- length: 400 mm

Item #
7924



Screwdriver Set | 12 pcs.

- end-to-end blades with external hexagon
- ergonomically shaped „soft grip" handle
- screwdriver slot SL: 3.2 x 72 mm - 5.0 x 75 mm - 6.0 x 100 mm - 6.0 x 38 mm - 8.0 x 150 mm - 9.5 x 200 mm
- screwdriver cross slot: PH0 x 75 mm - PH1 x 75 mm - PH2 x 100 mm - PH2 x 38 mm - PH3 x 150 mm - PH4 x 200 mm



Item #	Description
7895	Screwdriver Set 12 pcs.
7895-LEER	Empty Case for BGS 7895



T-Handle Screwdriver and Socket Set | 19 pcs.

- 2-way handle
- bit adaptor
- bit holder
- 8 double ended bit blades, lenght: 175 mm
 - inner hexagon with and without ball point 3 - 4 - 5 - 6 mm
 - inner hexagon with ball point, 7 mm + internal hexagon 1/4"
 - slot 4.5 + 6.5 mm
 - T-Star (for Torx) T25 + T27 - T30 + T40
- 8 socket blades, hex: 5 - 6 - 7 - 8 - 10 - 11 - 12 - 13 mm



Item #	Description
7985	T-Handle Screwdriver and Socket Set 19 pcs.
7985-LEER	Empty Case for BGS 7985
7985-25X27	Spare Blade T25 x T27



VDE Screwdriver Set | 2 pcs.

- VDE approved according to DIN EN 60900
- 1 VDE screwdriver cross slot: PH2
- 1 VDE screwdriver slot SL: 4 mm
- 2-component anti-slip handles
- length: 100 mm



Item #
35812



VDE Screwdriver Set | 8 pcs.

- 2-component anti-slip handle
- with suspension hole
- VDE approved according to DIN EN 60900
- screwdriver slot SL: 0.5 x 3.0 x 75 mm - 0.8 x 4.0 x 100 mm - 1.0 x 5.5 x 125 mm - 1.2 x 6.5 x 150 mm
- screwdriver cross slot: PH0 x 75 mm - PH1 x 80 mm - PH2 x 100 mm
- voltage tester: 0.5 x 3.0 x 140 mm



Manual Impact Wrench with Bits | 5 pcs.

- robust quality
- incl. 2 cross slot (PH2 - PH3) and 2 slot SL bits (8 - 10 mm)
- in metal case
- surface finish: satin chrome plated



Bits for Impact Wrench | for BGS 710

- suitable for hand impact wrench BGS 710
- external hexagon drive: 8 mm (5/16")
- 2 slot SL 8 - 10 mm
- 2 cross slot PH2 - PH3
- length: 36 mm



Precision Screwdriver Set | T-Star (for Torx) | 7 pcs.

- use wherever precise work is required like e.g. in model making, electronics etc.
- blade length: 50 mm
- precision screwdriver T-Star (for Torx): T6 x 50 mm - T7 x 50 mm - T8 x 50 mm - T9 x 50 mm - T10 x 50 mm - T15 x 50 mm - T20 x 50 mm



Tool Set | 6.3 mm (1/4") + 12.5 mm (1/2") | E-Type / T-Star (for Torx) | 84 pcs. 6.3 1/4 12.5 1/2

- 6 bits, length 30 mm, 10 mm shaft, T-Star tamperproof (for Torx): T40 - T45 - T50 - T55 - T60 - T70
- 7 bits, length 75 mm, 10 mm shaft, T-Star (for Torx): T15 - T20 - T25 - T30 - T40 - T45 - T50
- 2 bits, length 75 mm, 14 mm shaft, T-Star (for Torx): T55 - T60
- 3 bits, length 40 mm, 14 mm shaft, T-Star tamperproof (for Torx): T80 - T90 - T100
- 12 hexagon wrenches, T-Star (for Torx): T8 - T10 - T15 - T20 - T25 - T27 - T30 - T40 - T45 - T50 - T55 - T60
- 8 screwdrivers, T-Star tamperproof (for Torx): T8 - T10 - T15 - T20 - T25 - T27 - T30 - T40
- 4 double ring spanners, E-type: E6xE8 - E10xE12 - E14xE18 - E20xE24
- 1 magnetic pick up tool

6,3 mm (1/4") drive:

- 7 sockets, E-type: E4 - E5 - E6 - E7 - E8 - E10 - E11
- 6 bit sockets, length: 37 mm, T-Star (for Torx): T10 - T15 - T20 - T25 - T27 - T30
- 3 bits, length: 25 mm, T-Star (for Torx): T7 - T8 - T9
- 8 bits, length: 25 mm, in plastic holder, TS-Star tamperproof (for Torx): T10 - T15 - T20 - T25 - T27 - T30 - T40 - T45
- 7 bits, T-Star tamperproof (for Torx): T10 - T15 - T20 - T25 - T27 - T30 - T40
- 1 bit adapter 6.3 mm (1/4") for 6.3 mm (1/4") bits

12,5 mm (1/2") drive:

- 7 sockets, E-type: E12 - E14 - E16 - E18 - E20 - E22 - E24
- 1 bit adapter 12.5 mm (1/2") for 10 mm bits
- 1 bit adapter 12.5 mm (1/2") for 14 mm bits



Item #
7849



Screwdriver Set | T-Star (for Torx) T10 - T40 | 7 pcs.

- non-slip 2 component handle
- screwdriver, length: 80 mm, T-Star (for Torx): T10
- screwdriver, length: 80 mm, T-Star (for Torx): T15
- screwdriver, length: 80 mm, T-Star (for Torx): T20
- screwdriver, length: 100 mm, T-Star (for Torx): T25
- screwdriver, length: 100 mm, T-Star (for Torx): T27
- screwdriver, length: 100 mm, T-Star (for Torx): T30
- screwdriver, length: 150 mm, T-Star (for Torx): T40



Item #
7846



Screwdriver Set | T-Star tamperproof (for Torx) | T10 - T40 | 7 pcs.

- anti-slip 2-component handle
- screwdriver, length: 80 mm, T-Star tamperproof (for Torx): T10
- screwdriver, length: 80 mm, T-Star tamperproof (for Torx): T15
- screwdriver, length: 80 mm, T-Star tamperproof (for Torx): T20
- screwdriver, length: 100 mm, T-Star tamperproof (for Torx): T25
- screwdriver, length: 100 mm, T-Star tamperproof (for Torx): T27
- screwdriver, length: 100 mm, T-Star tamperproof (for Torx): T30
- screwdriver, length: 150 mm, T-Star tamperproof (for Torx): T40

Item #
7841



Screwdriver Set, extra long | T-Star (for Torx) T15 - T30 | 4 pcs.

- anti-slip 2-component handle
- screwdriver, T-Star (for Torx): T15 - T20 - T25 - T30
- blade length: 250 mm
- length: 355 mm

Item #
4943



Screwdriver Set with interchangeable Blades | T-Star (for Torx) / TS-Star (for Torx Plus) | 8 pcs.

- double ended blades with TS-/T-star (for Torx) in each of the following sizes: 10 - 15 - 20 - 25 - 27 - 30 - 40
- all blades with tamperproof heads
- one handle fits all sizes
- anti-slip 2-component handle
- length: 300 mm

Item #
2325



Special Screwdriver Set | T-Star (for Torx) | internal Hexagon | 4 pcs.

- interchangeable double ended blades
- specially for adjusting wiper nozzles
- 2-way holder
- 6 mm internal hexagon
- 7 mm internal hexagon
- T25 (especially for VW Sharan)
- length: 300 mm

Item #
7840



Screwdrivers | internal Hexagon

- 2-component anti-slip handle
- chrome plated
- with black finished tips



Item #	Description
8629-1	Screwdriver internal Hexagon 1.5 mm Blade Length 75 mm
8629-2	Screwdriver internal Hexagon 2 mm Blade Length 75 mm
8629-3	Screwdriver internal Hexagon 2.5 mm Blade Length 75 mm
8629-4	Screwdriver internal Hexagon 3 mm Blade Length 100 mm
8629-5	Screwdriver internal Hexagon 4 mm Blade Length 100 mm
8629-6	Screwdriver internal Hexagon 5 mm Blade Length 150 mm
8629-7	Screwdriver internal Hexagon 6 mm Blade Length 150 mm
8629-8	Screwdriver internal Hexagon 8 mm Blade Length 200 mm



Screwdrivers | Cross Slot PH

- rubber handle
- chrome plated
- with black finished tips



Item #	Description
7934	Screwdriver Cross Slot PH1 Blade Length 80 mm
7935	Screwdriver Cross Slot PH2 Blade Length 100 mm



Screwdrivers | Cross Slot PH

- 2-component anti-slip handle
- with 6.3 mm (1/4") square drive in handle
- large sizes have metal caps
- chrome plated
- with black finished tips



Item #	Description		
4907	Screwdriver	Cross Slot PH0	Blade Length 100 mm
4908	Screwdriver	Cross Slot PH1	Blade Length 75 mm
4909	Screwdriver	Cross Slot PH2	Blade Length 38 mm
4910	Screwdriver	Cross Slot PH2	Blade Length 100 mm
4911	Screwdriver	Cross Slot PH3	Blade Length 150 mm
4912	Screwdriver	Cross Slot PH4	Blade Length 200 mm



Screwdrivers | Cross Slot PH

- 2-component anti-slip handle
- black screwdriver tip



Item #	Description		
4935	Screwdriver	Cross Slot PH1	Blade Length 80 mm
4936	Screwdriver	Cross Slot PH2	Blade Length 100 mm
4937	Screwdriver	Cross Slot PH3	Blade Length 150 mm



Screwdrivers | Cross Slot PH

- end-to-end blades with external hexagon
- ergonomically shaped "soft grip" handle



Item #	Description		
7910	Screwdriver	Cross Slot PH0	Blade Length 75 mm
7911	Screwdriver, Blade with Hexagon profile	Cross Slot PH1	Blade Length 75 mm
7912	Screwdriver, Blade with Hexagon profile	Cross Slot PH2	Blade Length 38 mm
7913	Screwdriver, Blade with Hexagon profile	Cross Slot PH2	Blade Length 100 mm
7914	Screwdriver, Blade with Hexagon profile	Cross Slot PH3	Blade Length 150 mm
7915	Screwdriver, Blade with Hexagon profile	Cross Slot PH4	Blade Length 200 mm



VDE Screwdrivers | Slot PH

- 2-component anti-slip handle
- with hanging holes
- VDE/GS approved



Item #	Description		
4942	VDE Screwdriver	Cross Slot PH0	Blade Length 75 mm
4926	VDE Screwdriver	Cross Slot PH1	Blade Length 80 mm
4927	VDE Screwdriver	Cross Slot PH2	Blade Length 100 mm



Screwdriver, long | Cross Slot PH2 | Blade Length 450 mm

- cross Slot PH2

Item #
732



Screwdrivers | Cross Slot PZ

- with black finished tips
- rubber handle, black
- surface finish: chrome plated



Item #	Description		
7936	Screwdriver	Cross Slot PZ1	Blade Length 80 mm
7937	Screwdriver	Cross Slot PZ2	Blade Length 100 mm



Screwdrivers | Cross Slot PZ

- with black finished tips
- 2-component anti-slip handle



Item #	Description		
4932	Screwdriver	Cross Slot PZ1	Blade Length 75 mm
4933	Screwdriver	Cross Slot PZ2	Blade Length 100 mm
4934	Screwdriver	Cross Slot PZ3	Blade Length 150 mm



Screwdrivers | Slot SL

- chrome plated
- with black finished tips
- rubber handles, black



Item #	Description		
7931	Screwdriver	Slot SL 4 mm	Blade Length 80 mm
7932	Screwdriver	Slot SL 5.5 mm	Blade Length 125 mm
7933	Screwdriver	Slot SL 6.5 mm	Blade Length 150 mm



Screwdrivers | Slot SL

- 2-component anti-slip handle
- with 6.3 mm (1/4") inner square in handle
- large sizes have metal caps (BGS 4902, 4903, 4904, 4905, 4906)



Item #	Description		
4901	Screwdriver	Slot SL 3 mm	Blade Length 100 mm
4902	Screwdriver	Slot SL 5 mm	Blade Length 75 mm
4903	Screwdriver	Slot SL 6 mm	Blade Length 38 mm
4904	Screwdriver	Slot SL 6 mm	Blade Length 100 mm
4905	Screwdriver	Slot SL 8 mm	Blade Length 150 mm
4906	Screwdriver	Slot SL 10 mm	Blade Length 200 mm



Screwdrivers | Slot SL

- 2-component anti-slip handles
- black screwdriver tip



Item #	Description		
4928	Screwdriver	Slot SL 3 mm	Blade Length 60 mm
4929	Screwdriver	Slot SL 4 mm	Blade Length 80 mm
4930	Screwdriver	Slot SL 5.5 mm	Blade Length 125 mm
4931	Screwdriver	Slot SL 6.5 mm	Blade Length 150 mm



Screwdrivers | with external Hexagon | Slot SL

- end-to-end blades with external hexagon
- ergonomically shaped "soft grip" handle



Item #	Description		
7916	Screwdriver	with external Hexagon Slot SL 3.2 mm	Blade Length 75 mm
7917	Screwdriver	with external Hexagon Slot SL 5 mm	Blade Length 75 mm
7918	Screwdriver	with external Hexagon Slot SL 6 mm	Blade Length 38 mm
7919	Screwdriver	with external Hexagon Slot SL 6 mm	Blade Length 100 mm
7920	Screwdriver	with external Hexagon Slot SL 8 mm	Blade Length 150 mm
7921	Screwdriver	with external Hexagon Slot SL 9.5 mm	Blade Length 200 mm



VDE Screwdrivers | Slot SL

- 2-component anti-slip handle
- with hanging holes
- VDE/GS approved



Item #	Description		
4925	VDE Screwdriver	Slot SL 3 mm	Blade Length 75 mm
4924	VDE Screwdriver	Slot SL 4 mm	Blade Length 100 mm
4940	VDE Screwdriver	Slot SL 5.5 mm	Blade Length 125 mm
4941	VDE Screwdriver	Slot SL 6.5 mm	Blade Length 150 mm



Screwdriver, long | Slot SL 6 mm | Blade Length 450 mm

- slot SL 6 mm

Item #
731



Screwdrivers | T-Star (for Torx)

- 2-component anti-slip handle



Item #	Description		
4913	Screwdriver	T-Star (for Torx) T6	Blade Length 80 mm
4914	Screwdriver	T-Star (for Torx) T7	Blade Length 80 mm
4915	Screwdriver	T-Star (for Torx) T8	Blade Length 80 mm
4916	Screwdriver	T-Star (for Torx) T9	Blade Length 80 mm
4917	Screwdriver	T-Star (for Torx) T10	Blade Length 80 mm
4918	Screwdriver	T-Star (for Torx) T15	Blade Length 80 mm
4919	Screwdriver	T-Star (for Torx) T20	Blade Length 80 mm
4920	Screwdriver	T-Star (for Torx) T25	Blade Length 100 mm
4921	Screwdriver	T-Star (for Torx) T27	Blade Length 100 mm
4922	Screwdriver	T-Star (for Torx) T30	Blade Length 100 mm
4923	Screwdriver	T-Star (for Torx) T40	Blade Length 150 mm



Screwdrivers | T-Star (for Torx)

- extra long
- 2-component anti-slip handle
- satin chrome plated



Item #	Description		
4944	Screwdriver	T-Star (for Torx) T15	Blade Length 250 mm
4945	Screwdriver	T-Star (for Torx) T20	Blade Length 250 mm
4946	Screwdriver	T-Star (for Torx) T25	Blade Length 250 mm
4947	Screwdriver	T-Star (for Torx) T30	Blade Length 250 mm



Screwdrivers | T-Star tamperproof (for Torx)

- black finished tips
- 2-component anti-slip handle



Item #	Description		
7849-T8	Screwdriver	T-Star tamperproof (for Torx) T8	Blade Length 80 mm
7849-T10	Screwdriver	T-Star tamperproof (for Torx) T10	Blade Length 80 mm
7849-T15	Screwdriver	T-Star tamperproof (for Torx) T15	Blade Length 80 mm
7849-T20	Screwdriver	T-Star tamperproof (for Torx) T20	Blade Length 80 mm
7849-T25	Screwdriver	T-Star tamperproof (for Torx) T25	Blade Length 100 mm
7849-T27	Screwdriver	T-Star tamperproof (for Torx) T27	Blade Length 100 mm
7849-T30	Screwdriver	T-Star tamperproof (for Torx) T30	Blade Length 100 mm
7849-T40	Screwdriver	T-Star tamperproof (for Torx) T40	Blade Length 150 mm



Precision Screwdriver and Hook Set | 12 pcs.

- 2-component anti-slip handle
- screwdriver, slot SL: 2.5 - 3.5 mm
- screwdriver, cross slot PH: PH0 - PH00
- screwdriver T-Star (for Torx): TX6 - TX7 - TX8 - TX10
- hooks: 45° - 90° - 135° - 180°
- length: 170 mm



Precision Screwdriver Set | for Electronic Technicians | 11 pcs.

- in case with automatic folding function
- 2-component anti-slip handle
- 70 mm extension bar with hexagon shaft
- bits T-Star (for Torx): T4 - T5 - T6 - T7
- bits slot SL: 1,5 - 2,0 - 2,5 mm
- bits cross slot PH: PH00 - PH0 - PH1
- bits with 4 mm hexagon, shaft colour coded

Item #
8452



Precision Screwdriver Set | 6 pcs.

- phosphated tips
- 2-component anti-slip handle
- screwdriver, slot SL: 2 - 3 - 4 mm
- screwdriver, cross slot PH: PH00 - PH0 - PH1
- length: 75 mm
- surface finish: satin chrome plated

Item #
9151



Angled Bit Driver | 480 mm

- bit is moved by turning the handle
- head with 6.3 mm (1/4") bit holder
- with clip-on handle

Item #
4838



Carburetor Screwdriver | 360 mm

- for adjusting e. g. Pierburg carburetors
- regulating idle speed and mixture in BMW, Daimler-Benz, Ford, Peugeot and Renault cars

Item #
8017



Offset Impact Driver | 12.5 mm (1/2") | 620 mm

12.5 mm 1/2"

- suitable for different applications, e. g. loosening of the belt pulley holding screw and countershaft
- provides high loosening torque under narrow space conditions
- special slip guard safety handle

Item #
25150



Special Screwdriver Set | 2 pcs.

- special profile for loosening cross and slotted screws with damaged heads
- with metal striking cap
- hexagon shaft
- length: 195 mm

Item #	CV	
7952		



Crowfoot Spanner Set | 10 mm (3/8") Drive | 10 - 19 mm | 10 pcs.

10 3/8

- supplied on metal rail
- crowfoot spanner: 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19
- surface finish: chrome plated



Item #	Description
1756	Crowfoot Spanner Set 10 mm (3/8") Drive 10 - 19 mm 10 pcs.
1756-10	Crowfoot Spanner 10 mm (3/8") Drive 10 mm
1756-11	Crowfoot Spanner 10 mm (3/8") Drive 11 mm
1756-12	Crowfoot Spanner 10 mm (3/8") Drive 12 mm
1756-13	Crowfoot Spanner 10 mm (3/8") Drive 13 mm
1756-14	Crowfoot Spanner 10 mm (3/8") Drive 14 mm
1756-15	Crowfoot Spanner 10 mm (3/8") Drive 15 mm
1756-16	Crowfoot Spanner 10 mm (3/8") Drive 16 mm
1756-17	Crowfoot Spanner 10 mm (3/8") Drive 17 mm
1756-18	Crowfoot Spanner 10 mm (3/8") Drive 18 mm
1756-19	Crowfoot Spanner 10 mm (3/8") Drive 19 mm



Crowfoot Spanner Set | 12.5 mm (1/2") drive | 20 - 32 mm | 13 pcs.

12.5 mm 1/2"

- sizes: 20 - 21 - 22 - 23 - 24 - 25 - 26 - 27 - 28 - 30 - 32 mm
- 1 extension bar 125 mm
- 1 flexible handle 385 mm
- surface finish: satin chrome plated



Item #	Description
1757	Crowfoot Spanner Set 12.5 mm (1/2") Drive 20 - 32 mm 13 pcs.
1757-LEER	Empty Case for BGS 1757
1757-20	Crowfoot Spanner 12.5 mm (1/2") Drive 20 mm
1757-21	Crowfoot Spanner 12.5 mm (1/2") Drive 21 mm
1757-22	Crowfoot Spanner 12.5 mm (1/2") Drive 22 mm
1757-23	Crowfoot Spanner 12.5 mm (1/2") Drive 23 mm
1757-24	Crowfoot Spanner 12.5 mm (1/2") Drive 24 mm
1757-25	Crowfoot Spanner 12.5 mm (1/2") Drive 25 mm
1757-26	Crowfoot Spanner 12.5 mm (1/2") Drive 26 mm
1757-27	Crowfoot Spanner 12.5 mm (1/2") Drive 27 mm
1757-28	Crowfoot Spanner 12.5 mm (1/2") Drive 28 mm
1757-30	Crowfoot Spanner 12.5 mm (1/2") Drive 30 mm
1757-32	Crowfoot Spanner 12.5 mm (1/2") Drive 32 mm



Crowfoot Spanner Set | 12.5 mm (1/2") / 20 mm (3/4") | 8 pcs.

12.5 mm 1/2" 20 mm 3/4"

- crowfoot spanners 12.5 mm (1/2") drive: 33 - 36 mm
- crowfoot spanners 20 mm (3/4") drive: 38 - 41 - 46 - 50 mm
- extension bar 12.5 mm (1/2")
- extension bar 20 mm (3/4")
- surface finish: satin chrome plated



Item #	Description
1759	Crowfoot Spanner Set 12.5 mm (1/2") / 20 mm (3/4") 8 pcs.
1759-33	Crowfoot Spanner 12.5 mm (1/2") Drive 33 mm
1759-36	Crowfoot Spanner 12.5 mm (1/2") Drive 36 mm
1759-38	Crowfoot Spanner 20 mm (3/4") Drive 38 mm
1759-41	Crowfoot Spanner 20 mm (3/4") Drive 41 mm
1759-46	Crowfoot Spanner 20 mm (3/4") Drive 46 mm
1759-50	Crowfoot Spanner 20 mm (3/4") Drive 50 mm



Combination Spanner Set | Stubby Type | 4 - 10 mm | 8 pcs.

- hot forged
- ring end 20° offset
- ring end profile: hexagon
- especially suitable for small spaces
- surface finish: chrome plated
- combination spanner: open end size 3.2 mm / ring size: 4 mm
- combination spanner: open end size 4 mm / ring size: 5 mm
- combination spanner: open end size 5 mm / ring size: 5.5 mm
- combination spanner: open end size 5.5 mm / ring size: 6 mm
- combination spanner: open end size 6 mm / ring size: 7 mm
- combination spanner: open end size 7 mm / ring size: 8 mm
- combination spanner: open end size 8 mm / ring size: 9 mm
- combination spanner: open end size 9 mm / ring size: 10 mm



Combination Spanner Set | Inch Sizes | 3/8" - 11/16" | 6 pcs.

- hot forged
- chrome plated, polished jaws
- ring end 15° angled
- profile ring end: 12-point
- packed in an easy-to-use holder
- combination spanner 3/8" - 7/16" - 1/2" - 9/16" - 5/8" - 11/16"



Combination Spanner Set | 8 - 19 mm | 8 pcs.

- DIN 3113-A
- hot forged
- chrome plated, polished jaws
- ring end 15° angled
- profile ring end: 12-point
- combination spanner 8 - 9 - 10 - 12 - 13 - 14 - 17 - 19 mm



Combination Spanner Set | 6 - 19 mm | 8 pcs.

- hot forged
- chrome plated, polished jaws
- ring end 15° angled
- profile ring end: 12-point
- packed in a tetron wallet
- combination spanner 6 - 8 - 10 - 11 - 13 - 14 - 17 - 19 mm



Combination Spanner Set | 6 - 22 mm | 12 pcs.

- DIN 3113-A
- hot forged
- polished jaws
- ring end 15° angled
- profile ring end: 12-point
- combination spanner 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 17 - 19 - 22 mm
- surface finish: chrome plated

Item #
1194



Combination Spanner Set | 6 - 22 mm | 12 pcs.

- DIN 3113-A
- hot forged
- chrome plated, polished jaws
- ring end 15° angled
- profile ring end: 12-point
- packed in a tetron wallet
- combination spanner 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 17 - 19 - 22 mm

Item #
1197



Combination Spanner Set | 6 - 22 mm | 12 pcs.

- DIN 3113-A
- hot forged
- chrome plated, polished jaws
- ring end 15° angled
- profile ring end: 12-point
- in a plastic wall-holder
- combination spanner 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 17 - 19 - 22 mm

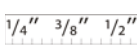
Item #
1211



Combination Spanner Set | Inch Sizes | 1/4" - 15/16" | 12 pcs.

- hot forged
- chrome plated, polished jaws
- ring end 15° angled
- profile ring end: 12-point
- packed in a tetron wallet
- combination spanner 1/4" - 5/16" - 3/8" - 7/16" - 1/2" - 9/16" - 5/8" - 11/16" - 3/4" - 13/16" - 7/8" - 15/16"

Item #
1195



Combination Spanner Set | 6 - 32 mm | 25 pcs.

- DIN 3113-A
- hot forged
- chrome plated, polished jaws
- ring end 15° angled
- profile ring end: 12-point
- combination spanner 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 25 - 26 - 27 - 28 - 30 - 32 mm



Item #
1190



Combination Spanner Set | 6 - 32 mm | 25 pcs.

- DIN 3113-A
- hot forged
- chrome plated, polished jaws
- ring end 15° angled
- profile ring end: 12-point
- packed in a tetron wallet
- combination spanner 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 25 - 26 - 27 - 28 - 30 - 32 mm



Item #	Description
1196	Combination Spanner Set 6 - 32 mm 25 pcs.
1196-LEER	Empty Tetron Bag for BGS 1196

Combination Spanner Set | extra short | Inch Sizes | 3/8" - 7/8" | 8 pcs.

- cold forged
- matt chrome plated
- ring end 15° angled
- profile ring end: 12-point
- extra short
- packed in a tetron wallet
- combination spanner 3/8" - 7/16" - 1/2" - 9/16" - 5/8" - 11/16" - 3/4" - 7/8"



Item #
32140



1/4" 3/8" 1/2"

Combination Spanner Set | extra short | 10 - 19 mm | 10 pcs.

- cold forged
- satin chrome plated
- ring end 15° angled
- profile ring end: 12-point
- extra short
- packed in a tetron wallet
- combination spanner 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm

Item #
1188



Combination Spanner Set | 6 - 22 mm | 12 pcs.

- DIN 3113-A
- cold forged
- matt chrome plated
- ring end 15° angled
- profile ring end: 12-point
- packed in a tetron wallet
- combination spanner 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 17 - 19 - 22 mm

Item #
30501



Combination Spanner Set | offset | 6 - 22 mm | 12 pcs.

- DIN 3113-B
- cold forged
- matt chrome plated
- deep offset ring end
- profile ring end: 12-point
- packed in a tetron wallet
- combination spanner 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 17 - 19 - 22 mm

Item #
30301



Combination Spanner Set | offset | 8 - 27 mm | 17 pcs.

- cold forged
- matt chrome plated
- deep offset ring end
- profile ring end: 12-point
- packed in a tetron wallet
- combination spanner 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 24 - 27 mm

Item #
30302



Combination Spanner Set | Inch Sizes | 1/8" - 9/16" Withworth | 8 pcs.

- hot forged
- chrome plated and mirror polished
- ring end 15° angled
- profile ring end: 12-point
- especially for UK vintage cars and tractors
- packed in a tetron wallet
- combination spanner 1/8" WW
- combination spanner 3/16" WW
- combination spanner 6,3 mm (1/4") WW
- combination spanner 5/16" WW
- combination spanner 10 mm (3/8") WW
- combination spanner 7/16" WW
- combination spanner 12.5 mm (1/2") WW
- combination spanner 9/16" WW



Item #
1199



Combination Spanner Set | 8 - 32 mm | 19 pcs.

- DIN 3113-A
- cold forged
- matt chrome plated
- ring end 15° angled
- profile ring end: 12-point
- packed in a tetron wallet
- combination spanner 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 24 - 27 - 30 - 32 mm



Item #
30500



Combination Spanner Set | 8 - 32 mm | 19 pcs.

- DIN 3113-A
- cold forged
- satin chrome plated
- ring end 15° angled
- profile ring end: 12-point
- packed in a tetron wallet
- combination spanner 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 24 - 27 - 30 - 32 mm



Item #	Description
1219	Combination Spanner Set 8 - 32 mm 19 pcs.
1219-LEER	Empty Wallet for BGS 1219

Combination Spanner Set | 6 - 32 mm | 25 pcs.

- DIN 3113-A
- cold forged
- matt chrome plated
- ring end 15° angled
- profile ring end: 12-point
- in display box
- combination spanner 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 25 - 26 - 27 - 28 - 30 - 32 mm



Item #
30100

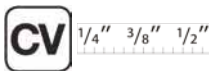


Combination Spanner Set | Inch Sizes | 1/4" - 1.1/4" | 25 pcs.

- cold forged
- matt chrome plated
- ring end 15° angled
- profile ring end: 12-point
- in display box
- combination spanner 1/4" - 9/32" - 5/16" - 11/32" - 3/8" - 7/16" - 15/32" - 1/2" - 9/16" - 19/32" - 5/8" - 11/16" - 23/32" - 3/4" - 25/32" - 13/16" - 7/8" - 29/32" - 15/16" - 1" - 1.1/32" - 1.1/16" - 1.1/8" - 1.3/16" - 1.1/4"



Item #
30101

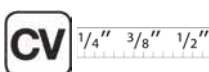


Combination Spanner Set | Inch Sizes | 1/4" - 1.1/4" | 25 pcs.

- cold forged
- satin chrome plated
- ring head 15° angled
- profile ring side: 12-point
- packed in a tetron wallet
- combination spanner 1/4" - 9/32" - 5/16" - 11/32" - 3/8" - 7/16" - 15/32" - 1/2" - 9/16" - 19/32" - 5/8" - 11/16" - 23/32" - 3/4" - 25/32" - 13/16" - 7/8" - 29/32" - 15/16" - 1" - 1.1/32" - 1.1/16" - 1.1/8" - 1.3/16" - 1.1/4"



Item #
9473



Combination Spanner Set | 6 - 32 mm | 25 pcs.

- DIN 3113-A
- cold forged
- chrome plated and mirror polished
- ring end 15° angled
- profile ring end: 12-point
- packed in a tetron wallet
- combination spanner 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 25 - 26 - 27 - 28 - 30 - 32 mm

Item #
9290



Combination Spanner Set | extra long | 6 - 19 mm | 14 pcs.

- cold forged
- chrome plated and mirror polished
- ring end 15° angled
- profile ring end: 12-point
- extra long
- packed in a tetron wallet
- combination spanner, length: 125 mm, 6 mm
- combination spanner, length: 135 mm, 7 mm
- combination spanner, length: 145 mm, 8 mm
- combination spanner, length: 155 mm, 9 mm
- combination spanner, length: 170 mm, 10 mm
- combination spanner, length: 180 mm, 11 mm
- combination spanner, length: 195 mm, 12 mm
- combination spanner, length: 205 mm, 13 mm
- combination spanner, length: 220 mm, 14 mm
- combination spanner, length: 230 mm, 15 mm
- combination spanner, length: 240 mm, 16 mm
- combination spanner, length: 255 mm, 17 mm
- combination spanner, length: 265 mm, 18 mm
- combination spanner, length: 280 mm, 19 mm



Item #	Description
1228	Combination Spanner Set extra long 6 - 19 mm 14 pcs.
1228-LEER	Empty Tetron Bag for BGS 1228



Combination Spanner Set | extra long | 21 - 32 mm | 6 pcs.

- cold forged
- chrome plated and mirror polished
- ring end 15° angled
- profile ring end: 12-point
- extra long
- packed in a tetron wallet
- combination spanner, length: 300 mm, 21 mm
- combination spanner, length: 310 mm, 22 mm
- combination spanner, length: 335 mm, 24 mm
- combination spanner, length: 355 mm, 27 mm
- combination spanner, length: 420 mm, 30 mm
- combination spanner, length: 435 mm, 32 mm



Item #	Description
1229	Combination Spanner Set extra long 21 - 32 mm 6 pcs.
1229-LEER	Empty Tetron Bag for BGS 1229



Combination Spanner Set | extra long | 34 - 50 mm | 6 pcs.

- cold forged
- satin chrome plated
- ring end 15° angled
- profile ring end: 12-point
- in plastic holder
- combination spanner 34 mm, length: 380 mm
- combination spanner 36 mm, length: 400 mm
- combination spanner 38 mm, length: 400 mm
- combination spanner 41 mm, length: 440 mm
- combination spanner 46 mm, length: 480 mm
- combination spanner 50 mm, length: 530 mm



Item #	Description
32400	Combination Spanner Set extra long 34 - 50 mm 6 pcs.
32400-LEER	Empty Case for BGS 32400



Combination Spanner Assortment | Inch / Metric Sizes | 50 pcs.

- cold forged
- satin chrome plated
- profile ring end: 12-point
- packed in a tetron wallet
- 20 combination spanners:
 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm
 - 1/4" - 5/16" - 3/8" - 7/16" - 1/2" - 9/16" - 5/8" - 11/16" - 3/4" - 7/8"
- 20 obstruction ring spanners:
 - 8 x 10 - 11 x 13 - 14 x 15 - 16 x 17 - 21 x 22 mm
 - 5/16" x 3/8" - 7/16" x 1/2" - 9/16" x 5/8" - 11/16" x 3/4" - 13/16" x 7/8"
- 10 S-form double ring wrenches:
 - 10 x 11 - 12 x 13 - 14 x 15 - 16 x 17 - 18 x 19 mm
 - 3/8" x 13/32" - 7/16" x 1/2" - 9/16" x 19/32" - 5/8" x 11/16" - 11/16" x 3/4"
- 10 combination spanners, extra short:
 - 10 - 12 - 13 - 14 - 17 mm
 - 3/8" - 7/16" - 1/2" - 9/16" - 5/8"

Item #	CV
32500	1/4" 3/8" 1/2"



VDE Single Open End Spanner Set | 7 - 14 mm | 5 pcs.

- suitable for work on electrical units
- VDE approved
- in practical tetron pouch
- combination spanner 7 mm
- combination spanner 8 mm
- combination spanner 10 mm
- combination spanner 12 mm
- combination spanner 14 mm

Item #
7159



Double Open End Spanner Set | 6x7 - 20x22 mm | 8 pcs.

- hot forged
- chrome plated, polished jaws
- packed in a tetron wallet
- double open end spanner 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm

Item #	CV
1182	



Double Open End Spanner Set | 6x7 - 17x19 mm | 6 pcs.

- hot forged
- chrome plated, polished jaws
- double open end spanner 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 17x19 mm

Item #
1179



Double Open End Spanner Set | 6x7 - 30x32 mm | 12 pcs.

- hot forged
- chrome plated, polished jaws
- packed in a tetron wallet
- double open end spanner 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 - 21x23 - 24x27 - 25x28 - 30x32 mm



Item #	Description
1184	Double Open End Spanner Set 6x7 - 30x32 mm 12 pcs.
1184-LEER	Empty Tetron Bag for BGS 1184



Double Open End Spanner Set | 6 - 22 mm | 8 pcs.

- cold forged
- packed in a tetron wallet
- double open end spanner 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm
- profile: chrome plated
- surface finish: satin chrome plated

Item #
30600



Double Open End Spanner Set | 6 - 32 mm | 12 pcs.

- cold forged
- packed in a tetron wallet
- double open end spanner 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 - 21x23 - 24x27 - 25x28 - 30x32 mm
- profile: satin chrome plated

Item #
30601



Double Ring Spanner Set | offset | 6 x 7 - 20 x 22 mm | 8 pcs.

- hot forged
- chrome plated, polished jaws
- deep offset ring end
- profile: 12-point
- packed in a tetron wallet
- double ring spanner, deep offset ends, 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm

Item #
1209



Double Ring Spanner Set | offset | 6 x 7 - 20 x 22 mm | 8 pcs.

- hot forged
- chrome plated, polished jaws
- deep offset ring end
- profile: 12-point
- double ring spanner, deep offset ends, 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm

Item #
1213



Double Ring Spanner Set | offset | 6 x 7 - 20 x 22 mm | 8 pcs.

- hot forged
- chrome plated, polished jaws
- deep offset ring end
- profile: 12-point
- in a plastic wall holder
- double ring spanner 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm
- surface finish: chrome plated

Item #
1212



Double Ring Spanner Set | offset | 6 x 7 - 30 x 32 mm | 12 pcs.

- hot forged
- chrome plated, polished jaws
- deep offset ring end
- profile: 12-point
- packed in a tetron wallet
- double ring spanner, deep offset ends: 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 - 21x23 - 24x27 - 25x28 - 30x32 mm



Item #	Description
1214	Double Ring Spanner Set offset 6 x 7 - 30 x 32 mm 12 pcs.
1214-LEER	Empty Wallet for BGS 1214



Double Ring Spanner Set | offset | 6 - 32 mm | 12 pcs.

- cold forged
- deep offset ring end
- profile: 12-point
- packed in a tetron wallet
- double ring spanner, deep offset ends: 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 - 21x23 - 24x27 - 25x28 - 30x32 mm
- surface finish: satin chrome plated

Item #
30200



Double Ring Spanner Set | offset | 6 x 7 - 20 x 22 mm | 8 pcs.

- cold forged
- deep offset ring end
- profile: 12-point
- packed in a tetron wallet
- double ring spanner, deep offset ends: 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm
- surface finish: satin chrome plated

Item #
30306



Double Ring Spanner Set | offset | Inch Sizes | 1/4" - 3/4" | 6 pcs.

- cold forged
- satin chrome plated
- deep offset ring end
- profile: 12-point
- packed in a tetron wallet
- double ring spanner 1/4"x5/16" - 3/8"x7/16" - 1/2"x9/16" - 9/16"x5/8" - 19/32" x11/16" - 11/16"x3/4"

Item #	CV
32105	1/4" 3/8" 1/2"



Obstruction Ring Spanner Set | 10x13 - 17x19 mm | 3 pcs.

- cold forged
- packed in a tetron wallet
- obstruction ring spanner 10x13 - 14x15 - 17x19 mm
- surface finish: satin chrome plated

Item #	CV
1215	



Obstruction Ring Spanner Set | 8x10 - 21x22 mm | 5 pcs.

- cold forged
- packed in a tetron wallet
- obstruction ring spanner 8x10 - 11x13 - 14x15 - 17x19 - 21x22 mm
- surface finish: satin chrome plated

Item #	CV
1217	



Obstruction Ring Spanner Set | Inch Sizes | 1/4" - 7/8" | 5 pcs.

- cold forged
- packed in a tetron wallet
- 1/4"x5/16" - 3/8"x7/16" - 1/2"x9/16" - 5/8"x11/16" - 3/4"x7/8"
- surface finish: satin chrome plated

Item #	CV
1222	1/4" 3/8" 1/2"



Double Ring Spanner Set | S-Type | 10 x 11 - 18 x 19 mm | 5 pcs.

- cold forged
- satin chrome plated
- S-type
- profile: 12-point
- packed in a tetron wallet
- double ring spanner, S-type, 10x11 - 12x13 - 14x15 - 16x17 - 18x19 mm

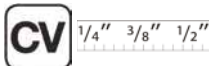
Item #
1216



S-Type Double Ring Spanner Set | Inch Sizes | 3/8" - 3/4" | 5 pcs.

- cold forged
- satin chrome plated
- profile ring end: 12-point
- packed in a tetron wallet
- double ring spanner, S-type, 3/8x5/16" - 7/16x1/2" - 9/16x19/32" - 5/8x11/16" - 11/16x3/4"

Item #
32150



Double Ring Spanner Set | extra flat | 6-22 mm | 8 pcs.

- cold forged
- satin chrome plated
- straight shape
- profile: 12-point
- packed in a tetron wallet
- double ring spanner, extra flat, 6x7 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm



Item #	Description
30300	Double Ring Spanner Set extra flat 6-22 mm 8 pcs.
30300-LEER	Empty Wallet for BGS 30300



Double Ring Spanner Set | extra long | 8 - 19 mm | 5 pcs.

- cold forged
- chrome plated and mirror polished
- profile ring ends: 12-point
- extra long
- straight type
- packed in a tetron wallet
- double ring spanner 8x10 mm, length: 235 mm
- double ring spanner 11x13 mm, length: 330 mm
- double ring spanner 14x15 mm, length: 370 mm
- double ring spanner 16x17 mm, length: 410 mm
- double ring spanner 18x19 mm, length: 410 mm



Item #	Description
1187	Double Ring Spanner Set extra long 8 - 19 mm 5 pcs.
1187-LEER	Empty Wallet for BGS 1187



Double Ring Spanner Set with E-Type Ring Heads | E6 x E8 - E20 x E24 | 6 pcs.

- hot forged
- satin chrome plated
- straight shape
- profile: E-type
- double ring spanner, E-type, E6xE8 - E7xE11 - E10xE12 - E14xE18 - E16xE22 - E20xE24

Item #
2268



Double Ring Spanner Set with E-Type Ring Heads | E6 x E8 - E20 x E24 | 4 pcs.

- hot forged
- straight shape
- profile: E-type
- double ring spanner, straight: E6xE8 - E10xE12 - E14xE18 - E20xE24
- surface finish: satin chrome plated

Item #
2264



Double Ring Spanner Set with E-Type Ring Heads | offset | E6 - E24 | 6 pcs.

- hot forged
- deep offset ring end
- profile: E-type
- double ring spanner E6xE8 - E7xE11 - E10xE12 - E14xE18 - E16xE22 - E20xE24
- surface finish: satin chrome plated

Item #
2281



Double Ring Spanner, open Type

- chrome plated
- hexagon
- angled 15°



Item #	Description
1745-8X9	Double Ring Spanner, open Type 8 x 9 mm
1750	Double Ring Spanner, open Type 10 x 11 mm
1751	Double Ring Spanner, open Type 12 x 13 mm
1752	Double Ring Spanner, open Type 15 x 17 mm



Double Ring Spanners

- hot forged
- matt chrome plated
- open ring end 15° angled



Item #	Description
1761-8x10	Double Ring Spanner, open Type 8 x 10 mm
1761-9x11	Double Ring Spanner, open Type 9 x 11 mm
1761-12x13	Double Ring Spanner, open Type 12 x 13 mm
1761-14x15	Double Ring Spanner, open Type 14 x 15 mm
1761-16x18	Double Ring Spanner, open Type 16 x 18 mm
1761-17x19	Double Ring Spanner, open Type 17 x 19 mm
1761-19x22	Double Ring Spanner, open Type 19 x 22 mm
1761-24x27	Double Ring Spanner, open Type 24 x 27 mm
1761-30x32	Double Ring Spanner, open Type 30 x 32 mm



Double Ring Spanner Set, open Type | 8 x 9 - 18 x 19 mm | 6 pcs.

- cold forged
- matt chrome plated
- open ring ends 15° angled
- open double ring spanner 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 mm

Item #
1745



Double Ring Spanner Set, open Type | 8 x 10 - 17 x 19 mm | 6 pcs.

- hot forged
- matt chrome plated
- open ring end 15° angled
- packed in a tetron wallet
- open double ring spanner 8x10 - 9x11 - 12x13 - 14x15 - 16x18 - 17x19 mm

Item #
1761



Double Ring Spanner Set, open Type | Inch Sizes | 4 pcs.

- cold forged
- matt chrome plated
- open ring ends 15° angled
- open double ring spanner 5/16"x3/8" - 7/16"x1/2" - 9/16"x5/8" - 11/16"x3/4"

Item #
1782



1/4" 3/8" 1/2"



Double Ring Spanner Set, open Type | 10 x 11 / 12 x 13 mm | 2 pcs.

- cold forged
- matt chrome plated
- open ring ends 15° angled
- open double ring spanner 10 x 11 mm (BGS 1750)
- open double ring spanner 12 x 13 mm (BGS 1751)

Item #
1755



Ratchet Wrench Set | up to 90° offset | 8 - 19 mm | 12 pcs.

- Ratchet wrenches, continuously variable up to 90° offset 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm
- finely toothed, 72 teeth
- surface finish: satin chrome plated

Item #
30950



Ratchet Wrench Set, reversible | 8 - 19 mm | 12 pcs.

- ratchet wrenches 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm
- finely toothed, 72 teeth
- surface finish: satin chrome plated

Item #
30902



Ratcheting Combination Wrench Set | 8-19 mm | 7 pcs.

- packed in a attractively designed demo case
- finely toothed, 72 teeth
- ratchet wrenches 8 - 10 - 12 - 13 - 14 - 17 - 19 mm
- surface finish: satin chrome plated



Item #
1596



Ratchet Wrench Set | reversible | 8 - 19 mm | 8 pcs.

- short, slightly angled design
- reversible
- in folding bag with zipper
- finely toothed, 72 teeth
- ratchet wrench 8 - 10 - 12 - 13 - 14 - 15 - 17 - 19 mm
- surface finish: satin chrome plated



Item #
30720



Ratchet Wrench Set, with interchangeable, flexible Mini-Heads

- ideally suited for working in confined areas
- handle with rotatable and lockable ratchet head
- detachable ratchet head in following sizes 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm
- direction of rotation can be reversed by turning the ratchet head around
- finely toothed, 72 teeth



Item #
2258



Ratchet Ring Spanner Set with E-Type Ring Heads | 4 pcs.

- finely toothed, 72 teeth
- ratchet wrench E6 x E8
- ratchet wrench E10 x E12
- ratchet wrench E14 x E18
- ratchet wrench E20 x E24

Item #
2244



Double Open End Ratchet and Flexible Spanner Set | 8 - 19 mm | 10 pcs.

- cold forged
- matt chrome
- extra long
- with continuously swivelling heads
- profile: 12-point
- double swivel head ratchet wrench set, 8 x 9 mm, length: 237 mm
- double swivel head ratchet wrench set, 10 x 11 mm, length: 294 mm
- double swivel head ratchet wrench set, 12 x 13 mm, length: 327 mm
- double swivel head ratchet wrench set, 14 x 15 mm, length: 370 mm
- double swivel head ratchet wrench set, 16 x 18 mm, length: 409 mm
- double swivel head ratchet wrench set, 17 x 19 mm, length: 412 mm
- 3 socket adaptors:
 - external square 6.3 mm (1/4")
 - external square 10 mm (3/8")
 - external square 12.5 mm (1/2")



Item #	Description
1541	Double Open End Ratchet and Flexible Spanner Set 8 - 19 mm 10 pcs.
1541-LEER	Empty Case for BGS 1541

Ratchet Ring Spanner Set | reversible | "4-in-1" | 3 pcs.

- 3 wrenches with 4 sizes each
- reversible
- packed in a pouch
- finely toothed, 72 teeth
- 1 ratchet wrench 8x9 - 10x11 mm
- 1 ratchet wrench 12x13 - 14x15 mm
- 1 ratchet wrench 16x17 - 18x19 mm

Item #
1556



Tool Tray 1/6: Ratchet Wrench | 4 pcs.

- fine toothed (72 teeth)
- suitable for pipes
- profile: 12-point
- ratchet wrench 8 mm, BGS 30828
- ratchet wrench 10 mm, BGS 30830
- ratchet wrench 11 mm, BGS 30831
- ratchet wrench 12 mm, BGS 30832

Item #	CV	1/6
30833		



Combination Spanner Set with Ratchet Function | open | 5 pcs.

- ratchet wrench 8 - 9 - 10 - 11 - 12 mm
- fine toothed (72 teeth)
- packed in a tetron wallet
- surface finish: satin chrome plated

Item #	CV
30836	



Ratcheting Combination Wrench

- finely toothed, 72 teeth
- 12 point
- surface finish: satin chrome plated



Item #	Description
1581	Ratchet Wrench 11 mm
1582	Ratchet Wrench 12 mm
1584	Ratchet Wrench 14 mm
1585	Ratchet Wrench 15 mm
1589	Ratchet Wrench 19 mm
1591	Ratchet Wrench 21 mm
1697	Ratchet Wrench 27 mm
1702	Ratchet Wrench 32 mm



E-Type Double Ended Ratchet Wrench | E10 x E12

- fine toothes (72 teeth)
- wrench size 1: E10
- wrench size 2: E12
- profile: E-type

Item #	CV
2244-10x12	



Ratchet Ring Spanners | open

- serrated (72 teeth)
- suitable for pipes
- profile: 12-point



Item #	Description
30828	Ratchet Ring Spanner open 8 mm
30829	Ratchet Ring Spanner open 9 mm
30830	Ratchet Ring Spanner open 10 mm
30831	Ratchet Ring Spanner open 11 mm
30832	Ratchet Ring Spanner open 12 mm
30835	Ratchet Ring Spanner, open 15 mm



Ratchet Combination Wrench | open

- fine toothed (72 teeth)
- suitable for pipes
- surface finish: satin chrome plated



Item #	Description
30838	Ratchet Wrench open 8 mm
30839	Ratchet Wrench open 9 mm
30840	Ratchet Wrench open 10 mm
30841	Ratchet Wrench open 11 mm
30842	Ratchet Wrench open 12 mm



Ratchet Wrench | adjustable

- ratchet is continuously adjustable up to 90° offset
- serrated (72 teeth)
- profile: 12-point
- surface finish: satin chrome plated



Item #	Description
1558	Ratchet Wrench adjustable 8 mm
1560	Ratchet Wrench adjustable 10 mm
1561	Ratchet Wrench adjustable 11 mm
1562	Ratchet Wrench adjustable 12 mm
1564	Ratchet Wrench adjustable 14 mm
1565	Ratchet Wrench adjustable 15 mm
1567	Ratchet Wrench adjustable 17 mm



Ratchet Wrench | reversible

- serrated (72 teeth)
- profile: 12-point
- surface finish: satin chrome-plated



Item #	Description			
30908	Ratchet Wrench	reversible	8 mm	
30911	Ratchet Wrench	reversible	11 mm	
30914	Ratchet Wrench	reversible	14 mm	
30915	Ratchet Wrench	reversible	15 mm	
30917	Ratchet Wrench	reversible	17 mm	
30918	Ratchet Wrench	reversible	18 mm	



Ratchet Wrench | short | reversible

- reversible
- serrated (72 teeth)
- 12 point
- satin chrome plated



Item #	Description			
30708	Ratchet Wrench	short	reversible	8 mm
30709	Ratchet Wrench	short	reversible	9 mm
30710	Ratchet Wrench	short	reversible	10 mm
30711	Ratchet Wrench	short	reversible	11 mm
30712	Ratchet Wrench	short	reversible	12 mm
30713	Ratchet Wrench	short	reversible	13 mm
30714	Ratchet Wrench	short	reversible	14 mm
30715	Ratchet Wrench	short	reversible	15 mm
30716	Ratchet Wrench	short	reversible	16 mm
30717	Ratchet Wrench	short	reversible	17 mm
30718	Ratchet Wrench	short	reversible	18 mm
30719	Ratchet Wrench	short	reversible	19 mm



Ratchet Wrench "4 in 1"

- serrated (72 teeth)
- satin chrome plated
- each wrench contains 4 sizes



Item #	Description	
30809	Double Ended Ratchet Wrench "4 in 1" 8x9, 10x11 mm	
30812	Double Ended Ratchet Wrench "4 in 1" 12x13, 14x15 mm	
30816	Double Ended Ratchet Wrench "4 in 1" 16x17, 18x19 mm	



Adjustable Wrench with Soft Rubber Handle | 3 pcs.

- with millimeter scale
- matt nickel plated
- packed in a tetron wallet
- adjustable wrench, length: 150 mm, fork opening: 0 - 20 mm
- adjustable wrench, length: 200 mm, fork opening: 0 - 25 mm
- adjustable wrench, length: 250 mm, fork opening: 0 - 30 mm



Item #
1446

Adjustable Wrench with Soft Rubber Handle

- matt nickel plated
- with millimeter scale



Item #	Description
1440	Adjustable Wrench with soft Rubber Handle max. 20 mm
1441	Adjustable Wrench with soft Rubber Handle max. 25 mm
1442	Adjustable Wrench with soft Rubber Handle max. 30 mm
1443	Adjustable Wrench with soft Rubber Handle max. 36 mm

Combination Ring Spanner Set | 18 pcs.

- combination spanners, deep offset ring end: 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm
- flex. socket spanners: 8 x 9 - 10 x 11 - 12 x 13 - 14 x 15 - 16 x 17 - 18 x 19 mm



Item #
1200



Double Ring Spanner Set with flexible Heads | 6 pcs.

- packed in a tetron wallet
- double ring spanner: 8 x 9 - 10 x 11 - 12 x 13 - 14 x 15 - 16 x 17 - 18 x 19
- profile: 12-point



Item #
1201



Double Open End Spanner Set | extra flat | 6 - 23 mm | 7 pcs.

- chrome plated and mirror-polished
- suitable for use under limited space conditions
- spanner thickness: 3 mm
- Double open end spanner, extra flat 6 x 7 mm, length: 101 mm
- Double open end spanner, extra flat 8 x 9 mm, length: 114 mm
- Double open end spanner, extra flat 10 x 12 mm, length: 125 mm
- Double open end spanner, extra flat 11 x 13 mm, length: 138 mm
- Double open end spanner, extra flat 14 x 17 mm, length: 157 mm
- Double open end spanner, extra flat 19 x 21 mm, length: 178 mm
- Double open end spanner, extra flat 22 x 23 mm, length: 200 mm



Item #
9019



Box Spanner Set | 6x7 - 20x22 mm | 9 pcs.

- sizes: 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm
- packed in a tetron wallet
- surface finish: satin chrome plated



Item #
1218

Special Ring Wrench for Oxygen Sensors | 22 mm

- slotted, swivel head with hexagon and double hexagon drive
- length: 250 mm
- surface finish: chrome-plated

Item #
8272



Hook Wrench Set | 35 - 120 mm | 8 pcs.

- suitable for grooved nuts DIN 1804 and bearing nuts DIN 981
- for diameters: 35-60, 60-90, 90-120 mm
- hook and pin lug are interchangeable

Item #
8542



Special Combination Spanner for Oxygen Probes, open | 22 mm

- short, handy type
- also suited for use with extension tube

Item #
8605



Line Ratchet Wrench Set | 6 pcs.

- suitable for working on pipe screws eg. brake lines, servo lines, oil cooler pipes, etc.
- ratchet function when moving the wrench head
- material: head made of Cr-Mo, black finished
- handle made of hardened steel, chrome plated
- 10 - 11 - 13 - 17 - 19 - 22 mm

Item #
8665



Flare Nut Wrenches

- 2 folding mechanism, especially suitable for pipe fittings
- head made of Chrome-Molybdenum, handle made of S45C steel



Item #	Description
8665-24	Flare Nut Wrench 24 mm
8665-27	Flare Nut Wrench 27 mm
8665-30	Flare Nut Wrench 30 mm
8665-32	Flare Nut Wrench 32 mm



Holder for Combination Spanners | 8 trays

- locking mechanism
- suitable for wrench sizes up to 20 mm
- material: plastic

Item #
1175



Holders for Combination Spanners

- with black plastic handle

Item #	Description
1176	Holder for Combination Spanners 12 supports
1177	Holder for Combination Spanners 15 supports



Adaptor Set for Ratchet Wrenches | 4 pcs.

- 1 adaptor with external square 6.3 mm (1/4") for ring wrench 10 mm
- 1 adaptor with external square 10 mm (3/8") for ring wrench 13 mm
- 1 adaptor with external square 12.5 mm (1/2") for ring wrench 19 mm
- 1 bit adaptor with internal hexagon 6.3 mm (1/4") for ring wrench 10 mm
- with quick release
- can substitute 3 ratchet handles if used with ratchet wrenches
- surface finish: polished chrome metal



Item #
8210



Steel Bench Vice | forged

- 360° rotary table with 3x10 mm mounting holes, lockable by sliding bar
- forged type
- screwed jaws

BGS 59110

- max. clamping range: 120 mm
- length: 345 mm

BGS 59112

- max. clamping range: 150 mm
- length: 385 mm

BGS 59115

- max. clamping range: 200 mm
- length: 400 mm



Item #	Description
59110	Steel Bench Vice forged 100 mm Jaws
59112	Steel Bench Vice forged 125 mm Jaws
59115	Steel Bench Vice forged 150 mm Jaws

Bench Vice

- 2 mounting holes Ø 8 mm
- screwed jaws

BGS 59255 (length: 255 mm)

- Mounting hole distance: 83 mm
- max. clamping range: 75 mm

BGS 59260 (length: 270 mm)

- Mounting hole distance: 80 mm
- max. clamping range: 110 mm

BGS 59265 (length: 320 mm)

- Mounting hole distance: 95 mm
- max. clamping range: 130 mm

BGS 59270 (length: 375 mm)

- Mounting hole distance: 107 mm
- max. clamping range: 170 mm



Item #	Description
59255	Bench Vice 75 mm Jaws
59260	Bench Vice 100 mm Jaws
59265	Bench Vice 125 mm Jaws
59270	Bench Vice 150 mm Jaws

Locking Handle for Bench Vices

Item #	Description
59001	Locking Handle for Bench Vices 8 x 200 mm
59003	Locking Handle for Bench Vices 9 x 200 mm
59002	Locking Handle for Bench Vices 9 x 225 mm
59004	Locking Handle for Bench Vices 13 x 250 mm

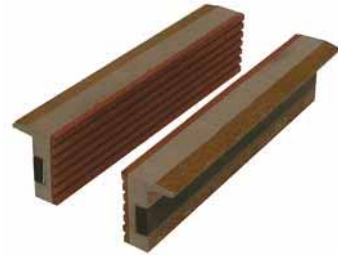


Bench Vice Jaw Protector | Aluminium | 2 pcs.

- aluminium
- with plastic coating
- embedded magnetic stripe for holding the protection on bench vice



Item #	Description			
3044	Bench Vice Jaw Protector	Aluminium	125 mm	2 pcs.
3045	Bench Vice Jaw Protector	Aluminium	150 mm	2 pcs.

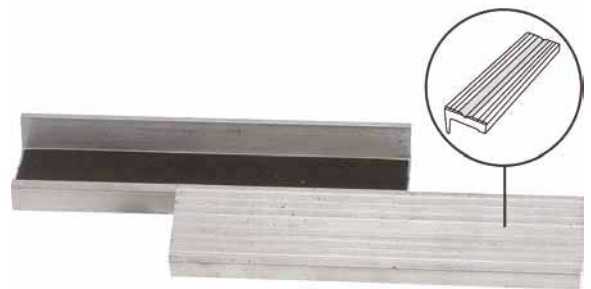


Bench Vice Jaw Protectors | Aluminium | 2 pcs.

- allows gentle clamping of sensitive workpieces
- embedded magnetic stripe for holding the protection on bench vice



Item #	Description			
9282	Bench Vice Jaw Protector	Aluminium	125 mm	2 pcs.
9283	Bench Vice Jaw Protector	Aluminium	150 mm	2 pcs.



Bench Vice Jaw Protectors | Aluminium | 2 pcs.

- allows gentle clamping of sensitive workpieces
- embedded magnetic stripe for holding the protection on bench vice
- horizontally V-shaped profile

Item #	Description			
9284	Bench Vice Jaw Protector	Aluminium	125 mm	2 pcs.
9285	Bench Vice Jaw Protector	Aluminium	150 mm	2 pcs.



Bench Vice Jaw Protector | plastic | 125 mm | 2 pcs.

- allows gentle clamping of sensitive workpieces such as aluminium, cooper, etc.
- embedded magnetic stripe for holding the protection on bench vice
- horizontally and vertically V-shaped profile

Item #
3046



Magnetic Bench Vise Jaw Protectors | 8 pcs.

- with magnets for firm grip on vice
- for gentle clamping
- 2 longitudinal profile jaws for clamping e.g. threaded rods, bolts, etc.
- 2 jaws with longitudinal and transverse profile
- 2 jaws with plastic cover for clamping fragile workpieces
- 2 jaws with rubber plate for clamping very sensitive workpieces, such as aluminium threaded rods and bolts
- made of aluminum
- size: 100 x 25 mm



Item #
8442

F-Clamps

- heavy duty finish

Item #	Description
829	F-Clamp 50 x 200 mm
830	F-Clamp 80 x 300 mm
841	F-Clamp 120 x 300 mm
843	F-Clamp 120 x 500 mm
845	F-Clamp 120 x 1000 mm



Stud Extractor Set | 5 - 16 mm | 11 pcs.

12.5 □ 1/2

- in sizes: 5 - 6 - 7 - 8 - 9 - 10 - 10.5 - 11 - 12 - 14 - 16 mm
- all sockets with external hexagon
- 20 Nm max. torque for each socket
- for dismantling and assembling studs
- 3 clamp rollers for holding the studs
- knurled
- front part high gloss chrome-plated, rear part satin chrome finished
- drive:
 - size 5: 10 mm (3/8") und 19 mm external hexagon
 - sizes 6 - 7 - 8 - 9 - 10 - 10.5 - 11 - 12: 12.5 mm (1/2") und 21 mm external hexagon
 - sizes 14 - 16: 24 mm external hexagon

Item #
65515



Stud Extractor Set | 6 - 12 mm | 4 pcs.

12.5 □ 1/2

- sizes: 6 - 8 - 10 - 12 mm
- 12.5 mm (1/2") drive

Item #
1882



Stud Extractors

10 3/8 12.5 1/2

- for dismantling and assembling studs
- 3 clamp rollers for holding the studs
- knurled
- front part high gloss chrome-plated, rear part satin chrome finished
- with external hexagon



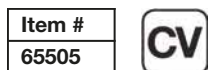
Item #	Description
65515-5	Stud Extractor 10 mm (3/8") 5 mm
1883	Stud Extractor 12.5 mm (1/2") 6 mm
65515-7	Stud Extractor 12.5 mm (1/2") 7 mm
1884	Stud Extractor 12.5 mm (1/2") 8 mm
65515-9	Stud Extractor 12.5 mm (1/2") 9 mm
1885	Stud Extractor 12.5 mm (1/2") 10 mm
65515-10.5	Stud Extractor 12.5 mm (1/2") 10.5 mm
65515-11	Stud Extractor 12.5 mm (1/2") 11 mm
1886	Stud Extractor 12.5 mm (1/2") 12 mm
65515-14	Stud Extractor 14 mm
65515-16	Stud Extractor 16 mm



Hand Tools

Stud Extractor Set | 6 - 12 mm | 5 pcs.

- 1 double ring ratchet wrench 14 x 17 mm, reversible
- 4 stud sockets for automatic clamping of studs in the following sizes: 6 - 8 - 10 - 12 mm



Stud Bolt Extractor | 6.3 - 14 mm

- suitable for damaged or broken studs with a diameter 6.3 to 14 mm (1/4" to 9/16")
- adjustable via 19 mm socket



Stud Extractor | 6 - 12 mm

- allows a fast dismantling and mounting of studs
- chuck is suitable for 6 - 12 mm studs
- 36 mm flywheel hexagon chuck, with 24 mm or 12.5 mm (1/2") drive

Item #
8576



Stud Bolt Extractor | 6 - 19 mm

- for loosening stuck studs
- suitable for loosening and tightening
- suitable for studs with diameter from 6 to 19 mm
- knurled and hardened clamp wheel

Item #
8799



Step Drill Set | Ø 4 - 30 mm | 3 pcs.

- HSS steel 6542
- nitride coated
- Step drill Ø 4-12 mm
- Step drill Ø 4-20 mm
- Step drill Ø 6-30 mm

Item #
1945



Step Drill Set | titanium-nitrided | Ø 4 - 30 mm | 3 pcs.

- little abrasion, longer life
- 2 mm ascending steps
- Step drill Ø 4 - 12 mm in following steps: 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 mm
- Step drill Ø 4 - 20 mm in following steps: 4 - 6 - 8 - 10 - 12 - 14 - 16 - 18 - 20 mm
- Step drill Ø 4 - 30 mm in following steps: 4 - 6 - 8 - 10 - 12 - 14 - 16 - 18 - 20 - 22 - 24 - 26 - 28 - 30 mm
- material: HSS-steel

Item #
1624



Tapered Hole Cutter Set | HSS | 3 Sizes | 3 pcs.

- size 1: 3 - 14 mm
- size 2: 8 - 20 mm
- size 3: 16 - 30.5 mm

Item #
1998



Countersink Set | with Crosshole | 4 pcs.

- sizes: 2 - 5 mm, 5 - 10 mm, 10 - 15 mm, 15 - 20 mm
- material: HSS-steel

Item #
1966



Countersink Set | HSS | DIN 335 Form C | 6 pcs.

- countersink Ø 6.3 - 8.3 - 10.4 - 12.4 - 16.5 - 20.5 mm
- material: HSS-steel

Item #
1997



Step Drills | titanium-nitrided

- little abrasion - longer life
- 2 mm ascending steps



Item #	Description		
1618	Step Drill	titanium-nitrided	Ø 4 - 22 mm
1619	Step Drill	titanium-nitrided	Ø 4 - 32 mm
1615	Step Drill	titanium-nitrided	Ø 6 - 40.5 mm



Step Drill | Ø 6 - 30 mm

- sizes: 6 - 8 - 10 - 12 - 14 - 16 - 18 - 20 - 22 - 24 - 26 - 28 - 30 mm
- made of HSS 6542



Item #
1945-1



Sheet Metal Drills

- manufactured from HSS
- for cutting burr-free holes in thin metal sheets, pipes, plastic and similar materials, up to 2 mm thickness
- no clamping of the workpiece required



Item #	Description		
1620	Sheet Metal Drill	Size 1	3 - 14 mm
1621	Sheet Metal Drill	Size 2	8 - 20 mm
1622	Sheet Metal Drill	Size 3	16 - 30 mm



Hand Drill | 3 - 12 mm

- designed for the finishing or repairing holes in sheet metal and other materials
- anti-slip 2 component handle

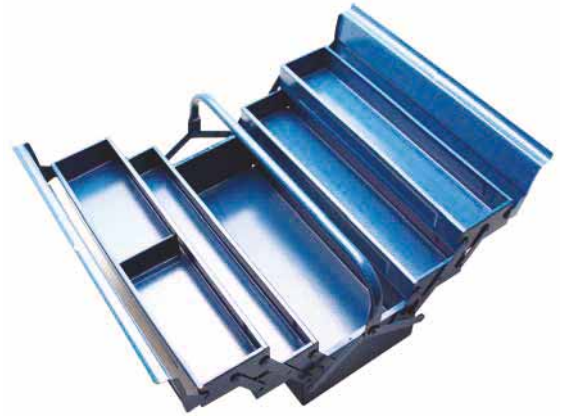
Item #
8892



Cantilever Tool Box

- sheet steel
- heavy duty finish
- in hammertone blue

Item #	Description
3301	Cantilever Tool Box 430 x 200 x 150 mm 3 compartments
3300	Cantilever Tool Box 430 x 200 x 200 mm 5 compartments
3302	Cantilever Tool Box 530 x 200 x 200 mm 5 compartments



Aluminium Tool Case | 460 x 340 x 150 mm

- with 4-way adjustable dividers
- incl. tool panel and carrying strap
- inside dimensions (bottom) 320 x 440 x 95 mm
- inside dimensions (cover) 320 x 440 x 40 mm (without tool-panel)

Item #
3304



Aluminium Tool Case Set | 3 pcs.

- consisting of 3 aluminium cases in the following sizes:
 - 460 x 160 x 330 mm, max. 12 kg
 - 380 x 120 x 260 mm, max. 10 kg
 - 330 x 90 x 210 mm, max. 8 kg, incl. removable dividers
- suitable for storage of tools, measuring instruments, laptops, photographic equipment, etc.
- special frame holder to lock upper lid in 90° position
- padded with Neoprene rubber
- additional corner protection
- reinforced edges
- lockable, incl. keys

Item #
3307



Roll-up Bag for Tools with 15 Compartments | 660 x 320 mm | empty

- without tools
- length: 660 mm
- width: 320 mm

Item #
3314



Empty Case for Small Parts

- length: 210 mm
- width: 110 mm
- height: 30 mm

Item #
8100



Empty Plastic Case for small parts

- with 23 storage compartments
- dividers removable, customizable sizes
- height of the dividers: 60 mm
- length: 380 mm
- width: 320 mm
- height: 65 mm

Item #
9456



L-Type Wrench Set | "Max" | internal Hexagon 3 - 17 mm | 10 pcs.

- forged
- satin chrome plated
- long side with ball point
- for int hex. screws
- L-type wrench internal hexagon:
 - 3 mm, length: 130 mm
 - 4 mm, length: 145 mm
 - 5 mm, length: 165 mm
 - 6 mm, length: 185 mm
 - 7 mm, length: 195 mm
 - 8 mm, length: 210 mm
 - 10 mm, length: 230 mm
 - 12 mm, length: 265 mm
 - 14 mm, length: 290 mm
 - 17 mm, length: 335 mm

Item #
795



L-Type Wrench Set | internal Hexagon 2 - 10 mm | 8 pcs.

- 2-sided use, short and long shaft
- ergonomic handle
- metal stand with mounting holes
- T-handle wrench internal hexagon
 - 2 x 90 mm
 - 2.5 x 100 mm
 - 3 x 115 mm
 - 4 x 120 mm
 - 5 x 140 mm
 - 6 x 160 mm
 - 8 x 175 mm
 - 10 x 200 mm



Item #	Description
8484	L-Type Wrench Set internal Hexagon 2 - 10 mm 8 pcs.
8484-1	Holder for BGS 8484 Empty



T-Type Wrench Set | internal Hexagon 3 - 8 mm | 5 pcs.

- ergonomically shaped T-handles
- internal hexagon 3 mm, length 100 mm
- internal hexagon 4 mm, length 100 mm
- internal hexagon 5 mm, length 150 mm
- internal hexagon 6 mm, length 150 mm
- internal hexagon 8 mm, length 200 mm
- surface finish: satin chrome plated

Item #
773



Special L-Type Wrench Set | internal Hexagon 1.5 - 10 mm | 9 pcs.

- special profile also works on screws with round corners
- in foldable holder
- L-type Wrench
 - internal hexagon 1.5 mm, length: 92 mm
 - internal hexagon 2 mm, length: 102 mm
 - internal hexagon 2.5 mm, length: 115 mm
 - internal hexagon 3 mm, length: 130 mm
 - internal hexagon 4 mm, length: 144 mm
 - internal hexagon 5 mm, length: 165 mm
 - internal hexagon 6 mm, length: 187 mm
 - internal hexagon 8 mm, length: 207 mm
 - internal hexagon 10 mm, length: 232 mm



Item #	Description
8512	Special L-Type Wrench Set internal Hexagon 1.5 - 10 mm 9 pcs.
8512-1	Demo Block for Hex Wrench Set for BGS 8512



L-Type Wrench Set | extra long | internal Hexagon / internal Hexagon with Ball Head 1.5 - 10 mm | 9 pcs.

- long side with ball point
- in foldable holder
- L-type wrench internal hexagon / internal hexagon

- with ball point 1.5 mm, length 90 mm
- with ball point 2 mm, length 100 mm
- with ball point 2.5 mm, length 115 mm
- with ball point 3 mm, length 125 mm
- with ball point 4 mm, length 140 mm
- with ball point 5 mm, length 165 mm
- with ball point 6 mm, length 180 mm
- with ball point 8 mm, length 210 mm
- with ball point 10 mm, length 230 mm



Item #
790



L-Type Wrench Set | long | internal Hexagon / internal Hexagon with Ball Head 2 - 10 mm | 8 pcs.

- long side with ball point
- short side with straight hexagon
- supplied in a 3-way holder
- L-type wrench internal hexagon / internal hexagon
 - with ball point 2 mm, length 85 mm
 - with ball point 2.5 mm, length 92 mm
 - with ball point 3 mm, length 101 mm
 - with ball point 4 mm, length 109 mm
 - with ball point 5 mm, length 121 mm
 - with ball point 6 mm, length 142 mm
 - with ball point 8 mm, length 163 mm
 - with ball point 10 mm, length 178 mm



Item #
802



L-Type Wrench Set | extra long | internal Hexagon 1.5 - 10 mm | 9 pcs.

- straight hexagon ends
- in a foldable holder
- L-type wrench internal hexagon
 - 1.5 mm
 - 2 mm
 - 2.5 mm
 - 3 mm
 - 4 mm
 - 5 mm
 - 6 mm
 - 8 mm
 - 10 mm



Item #
808



L-Type Wrench Set | extra long | internal Hexagon / internal Hexagon with Ball Head 1.5 - 10 mm | 9 pcs.

- anti slip colour coded
- extra long
- long end with strong magnet and ball head
- in folding holder
- internal hexagon / internal hexagon with ball point
 - 1.5 mm
 - 2 mm
 - 2.5 mm
 - 3 mm
 - 4 mm
 - 5 mm
 - 6 mm
 - 8 mm
 - 10 mm



Item #	CV-S2	
35100		

L-Type Wrench Set | Inch Sizes | internal Hexagon / internal Hexagon with Ball Head 1/16" - 3/8" | 9 pcs.

- long side with ball point
- supplied in a foldable plastic holder
- L-type wrenches internal hexagon / internal hexagon with ball point
 - 1/16"
 - 5/64"
 - 3/32"
 - 1/8"
 - 5/32"
 - 3/16"
 - 1/4"
 - 5/16"
 - 3/8"



Item #	CV-S2		
799			

L-Type Wrench Set | short | internal Hexagon 1.5 - 10 mm | 9 pcs.

- short type
- in foldable holder
- L-type wrenches internal hexagon
 - 1.5 mm
 - 2 mm
 - 2.5 mm
 - 3 mm
 - 4 mm
 - 5 mm
 - 6 mm
 - 8 mm
 - 10 mm



Item #	CV	
807		

L-Type Wrench Set | extra long + extra short Ends | internal Hexagon / internal Hexagon with Ball Head 1.5 - 10 mm | 9 pcs.

- long side with ball point
- short side is extra short
- surface finish: satin chrome plated
- in foldable holder
- L-type wrenches drive internal hexagon / internal hexagon with ball point
 - 1.5 mm, length 80 mm
 - 2 mm, length 100 mm
 - 2.5 mm, length 110 mm
 - 3 mm, length 130 mm
 - 4 mm, length 150 mm
 - 5 mm, length 150 mm
 - 6 mm, length 185 mm
 - 8 mm, length 210 mm
 - 10 mm, length 230 mm

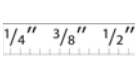


Item #	CV-S2
9374	

L-Type Wrench Set | extra long | internal Hexagon | Inch Sizes | 9 pcs.

- with anti-slip colour-coding
- long side with ball point and retaining magnet
- in foldable holder
- internal hexagon wrenches
 - 1/16"
 - 5/64"
 - 3/32"
 - 1/8"
 - 5/32"
 - 3/16"
 - 1/4"
 - 5/16"
 - 3/8"



Item #	CV-S2
35101	  

T-Handle Wrench Set | T-Star (for Torx) T10 - T50 | 9 pcs.

- 2-sided use, short and long shaft
- ergonomic handles
- metal stand with mounting holes
- T-handle wrench, T-Star (for Torx)
 - T10 x 100 mm
 - T15 x 115 mm
 - T20 x 120 mm
 - T25 x 130 mm
 - T27 x 140 mm
 - T30 x 150 mm
 - T40 x 160 mm
 - T45 x 175 mm
 - T50 x 200 mm



Item #	CV
8485	

L-Type Wrench Set | T-Star (for Torx) / T-Star tamperproof (for Torx) T10 - T50 | 9 pcs.

- short end is tamperproof
- anti slip color coding
- extra long type
- long end with strong magnet
- with belt clip
- L-type wrench T-Star (for Torx) / T-Star tamperproof (for Torx), with center hole

- T10
- T15
- T20
- T25
- T27
- T30
- T40
- T45
- T50



Item #	CV-S2	
35105		

L-Type Wrench Set | extra long | T-Star (for Torx) T10 - T50 | 9 pcs.

- extra long type
- in foldable holder
- L-type wrench T-Star (for Torx)
 - T10, length: 81 mm
 - T15, length: 97 mm
 - T20, length: 115 mm
 - T25, length: 130 mm
 - T27, length: 150 mm
 - T30, length: 158 mm
 - T40, length: 185 mm
 - T45, length: 208 mm
 - T50, length: 231 mm



Item #	CV-S2	
793		

L-Type Wrench Set | extra long | T-Star tamperproof (for Torx) T10 - T50 | 9 pcs.

- long type
- black tips
- supplied in a clip holder
- L-type wrench T-Star (for Torx), with center hole

- T10
- T15
- T20
- T25
- T27
- T30
- T40
- T45
- T50



Item #	CV-S2	
794		

L-Type Wrench Set | extra long + extra short | T-Star (for Torx) T10 - T50 | 9 pcs.

- long end with center hole
- short side is extra short
- surface finish satin chrome plated
- in foldable holder
- L-type wrench drive T-Star (for Torx)
 - T10, length 90 mm
 - T15, length 100 mm
 - T20, length 110 mm
 - T25, length 130 mm
 - T27, length 140 mm
 - T30, length 160 mm
 - T40, length 185 mm
 - T45, length 205 mm
 - T50, length 230 mm



Item #	CV-S2
9375	

L-Type Wrench Set | extra long | T-Star tamperproof (for Torx) T10 - T50 | 8 pcs.

- supplied in a 3-way holder
- L-type T-Star tamperproof wrenches (for Torx) in the following sizes:
 - T10, length: 86 x 17 mm
 - T15, length: 90 x 18 mm
 - T20, length: 95 x 19 mm
 - T25, length: 100 x 20 mm
 - T30, length: 114 x 24 mm
 - T40, length: 124 x 26 mm
 - T45, length: 133 x 29 mm
 - T50, length: 152 x 32 mm



Item #	CV-S2
805	

L-Type Wrench Set | short | T-Star tamperproof (for Torx) T10 - T50 | 9 pcs.

- black ends on long side
- short type
- in foldable holder
- L-type T-Star tamperproof (for Torx)
 - T10
 - T15
 - T20
 - T25
 - T27
 - T30
 - T40
 - T45
 - T50



Item #	CV-S2
809	

L-Type Wrench Set | extra long | T-Star (for Torx Plus) TS10 - TS50 | 9 pcs.

- for 5-star profile
- matt finished
- extra long (up to 235 mm)
- L-type wrenches T-Star tamperproof (for Torx)
 - TS10
 - TS15
 - TS20
 - TS25
 - TS27
 - TS30
 - TS40
 - TS45
 - TS50



Item #	CV
777	

L-Type Wrench Set | Spline (for RIBE) M4 - M10 | 7 pcs.

- in plastic holder
- L-type wrenches spline (for Ribe)
 - M4
 - M5
 - M6
 - M7
 - M8
 - M9
 - M10



Item #	CV
800	

T-Handle L-Type Wrench | Internal Hexagon

- ergonomic 2 component handle



Item #	Description
4010-1	T-Handle L-Type Wrench internal Hexagon 2 mm
4010-2	T-Handle L-Type Wrench internal Hexagon 2.5 mm
4010-3	T-Handle L-Type Wrench internal Hexagon 3 mm
4010-4	T-Handle L-Type Wrench internal Hexagon 4 mm
4010-5	T-Handle L-Type Wrench internal Hexagon 5 mm
4010-6	T-Handle L-Type Wrench internal Hexagon 6 mm
4010-7	T-Handle L-Type Wrench internal Hexagon 7 mm
4010-8	T-Handle L-Type Wrench internal Hexagon 8 mm
4010-9	T-Handle L-Type Wrench internal Hexagon 10 mm



L-Type Wrenches | Extra Long | Internal Hexagon/Internal Hexagon With Ball Point

- long side with ball point
- satin chrome plated



Item #	Description
790-1.5	L-Type Wrench extra long internal Hexagon / internal Hexagon with Ball Head 1.5 mm
790-2	L-Type Wrench extra long internal Hexagon / internal Hexagon with Ball Head 2 mm
790-2.5	L-Type Wrench extra long internal Hexagon / internal Hexagon with Ball Head 2.5 mm
790-3	L-Type Wrench extra long internal Hexagon / internal Hexagon with Ball Head 3 mm
790-4	L-Type Wrench extra long internal Hexagon / internal Hexagon with Ball Head 4 mm
790-5	L-Type Wrench extra long internal Hexagon / internal Hexagon with Ball Head 5 mm
790-6	L-Type Wrench extra long internal Hexagon / internal Hexagon with Ball Head 6 mm
790-7	L-Type Wrench extra long internal Hexagon / internal Hexagon with Ball Head 7 mm
790-8	L-Type Wrench extra long internal Hexagon / internal Hexagon with Ball Head 8 mm
790-9	L-Type Wrench extra long internal Hexagon / internal Hexagon with Ball Head 9 mm
790-10	L-Type Wrench extra long internal Hexagon / internal Hexagon with Ball Head 10 mm



T-Handle Wrench | T-Star (for Torx)

- ergonomic 2 component handle



Item #	Description
4010-10	T-Handle L-Type Wrench T-Star (for Torx) T10
4010-11	T-Handle L-Type Wrench T-Star (for Torx) T15
4010-12	T-Handle L-Type Wrench T-Star (for Torx) T20
4010-13	T-Handle L-Type Wrench T-Star (for Torx) T25
4010-14	T-Handle L-Type Wrench T-Star (for Torx) T27
4010-15	T-Handle L-Type Wrench T-Star (for Torx) T30
4010-16	T-Handle L-Type Wrench T-Star (for Torx) T40
4010-17	T-Handle L-Type Wrench T-Star (for Torx) T45
4010-18	T-Handle L-Type Wrench T-Star (for Torx) T50



L-Type Wrenches | extra long | T-Star tamperproof (for Torx)

- short arm drive profile: T-Star (for Torx)
- long arm drive profile: T-Star tamperproof (for Torx)
- surface finish: satin chrome plated



Item #	Description		
794-T10	L-Type Wrench	extra long	T-Star tamperproof (for Torx) T10
794-T15	L-Type Wrench	extra long	T-Star tamperproof (for Torx) T15
794-T20	L-Type Wrench	extra long	T-Star tamperproof (for Torx) T20
794-T25	L-Type Wrench	extra long	T-Star tamperproof (for Torx) T25
794-T27	L-Type Wrench	extra long	T-Star tamperproof (for Torx) T27
794-T30	L-Type Wrench	extra long	T-Star tamperproof (for Torx) T30
794-T40	L-Type Wrench	extra long	T-Star tamperproof (for Torx) T40
794-T45	L-Type Wrench	extra long	T-Star tamperproof (for Torx) T45
794-T50	L-Type Wrench	extra long	T-Star tamperproof (for Torx) T50



L-type Wrenches / Pliers

Wire Stripping Pliers | 150 mm

- 2-component handles
- surface finish: nickel plated, matt



VDE Wire Stripping Pliers | 160 mm

- VDE approved according to DIN EN 60 900:2012
- 2-component anti-slip handles



Wire Stripping Pliers | 215 mm

- for stripping cables: 0.5 - 0.65 - 0.8 - 1.0 - 1.3 - 1.6 - 2.0 mm or 12 - 14 - 16 - 18 - 20 - 22 - 24 AWG and 6 mm coaxial cables
- for crimping non-insulated terminals: 0.3 - 0.5 - 1.25 - 2.0 mm
- specially hardened carbon steel



Crimping Tool | 200 mm

- with wire cutter
- especially for non-insulated terminals 1.5 - 2.5 - 6 mm
- 3 mm thickness
- wire stripper 0.75 - 1.0 - 1.5 - 2.5 - 4.0 - 6.0 mm
- spark plug crimper
- bolt head cutter M2.6 - M3 - M3.5 - M4- M5

Item #
1422



Crimping Tool | 235 mm

- with wire cutter
- combined tool for insulated and non-insulated terminals
- soft blue handles
- 3 mm thick steel
- for non-insulated terminal sizes 1.5 - 2.5 - 4.6 mm
- for insulated terminal sizes: 1.5 mm (red) - 2.5 mm (blue) - 6 mm (yellow)
- wire stripper 0.75 - 1.0 - 1.5 - 2.5 - 4.0 - 6.0 mm
- bolt head cutter M2.6 - M3 - M3.5 - M4- M5

Item #
418



Automatic Wire Stripper | for wire Ø 0.13 - 6 mm | 210 mm

- for wire diameters 0.13 - 6 mm²
- with cutter for insulated/not insulated terminals

Item #
442



Wire Stripping Pliers

- self-adjusting for cable Ø 0.2 - 6 mm²
- front-cutting with adjustable length stop for stripping from 8 to 12 mm
- cutter up to 2 mm diameter
- locking device for space saving storage and protection of the blades

Item #
8379



Wire & Cable Stripper "2-IN-1"

- for stripping cables and wires
- sharp precision shear-type blades for clean cuts on solid and stranded copper wire
- easy-to-read markings
- spring-loaded mechanism provides fast self-opening action
- compact size design with locking function
- includes 2 spare blades
- material: ABS housing with carbon steel blade
- length: 115 mm



Item #	Description
8489	Wire & Cable Stripper "2-IN-1" 0.2 - 0.8 mm
8490	Wire & Cable Stripper "2-IN-1" 0.8 - 2.6 mm



Waterproof Connector Assortment | 232 pcs.

- for repairing of existing cabling and for new wiring
- suitable for automotive voltage applications up to 24V

includes the following Delphi® waterproof connector parts:

- 25 x 1.4 mm wire seals for wire Ø 1.4 - 1.9 mm
- 30 x 2.5 mm wire seals for wire Ø 2.5 - 3.4 mm
- 25 x 2.8 mm wire seals for wire Ø 2.9 up to 3.8 mm
- 20 x 0.50 - 0.85 mm² male terminals
- 20 x 0.50 - 0.85 mm² female terminals
- 20 x 1.25 - 2.0 mm² male terminals
- 20 x 1.25 - 2.0 mm² female terminals
- 20 x 3 mm² male terminals
- 20 x 3 mm² female terminals
- 5 x 1-pole housings for male terminals
- 5 x 1-pole housings for female terminals
- 3 x 2-pole housings for male terminals
- 3 x 2-pole housings for female terminals
- 4 x 3-pole housings (single-row type) for male terminals
- 4 x 3-pole housings (single-row type) for female terminals
- 2 x 4-pole housings (single-row type) for male terminals
- 2 x 4-pole housings (single-row type) for female terminals
- 2 x 4-pole housings (two-row type) for male terminals
- 2 x 4-pole housings (two-row type) for female terminals



Item #
9096

Crimping Pliers Set with Waterproof Connector Parts | 220 pcs.

- for repairing of the existing cabling and for new wiring
- quick change ratchet crimper (aluminium made)
- H6 pair of jaws for wire sizes: DIN 0.35 / 0.5 - 0.8 mm² (AWG 22 / 20-18)
- H7 pair of jaws for wire sizes: DIN 1.0 - 2.0 / 3.0 mm² (AWG 16-14 / 12)
- release tool for terminals

includes following Delphi® waterproof connector parts:

- 25 x 1.4 mm wire seals for wire Ø 1.4 - 1.9 mm
- 30 x 2.5 mm wire seals for wire Ø 2.5 - 3.4 mm
- 25 x 2.8 mm wire seals for wire Ø 2.9 up to 3.8 mm
- 20 x 0.50 - 0.85 mm² male terminals
- 20 x 0.50 - 0.85 mm² female terminals
- 20 x 1.25 - 2.0 mm² male terminals
- 20 x 1.25 - 2.0 mm² female terminals
- 20 x 3 mm² male terminals
- 20 x 3 mm² female terminals
- 3 x 1-pole housings for male terminals
- 3 x 1-pole housings for female terminals
- 2 x 2-pole housings for male terminals
- 2 x 2-pole housings for female terminals
- 1 x 3-pole housings (single-row type) for male terminals
- 1 x 3-pole housings (single-row type) for female terminals
- 1 x 4-pole housings (single-row type) for male terminals
- 1 x 4-pole housings (single-row type) for female terminals
- 1 x 4-pole housings (two-row type) for male terminals
- 1 x 4-pole housings (two-row type) for female terminals



Item #

9097

Crimping Tool Set with 5 Pairs of Jaws

- for crimping insulated connector types
- ratchet mechanism holds the connector in position, facilitates inserting the cable into the connector

includes following quick interchangeable crimping jaws:

- A1 for 0.5 - 10 mm² insulated heat shrink butt connectors
- A2 for 0.5 - 6 mm² insulated terminals
- A3 for 0.1 - 1.5 mm² miniature insulated connectors
- A4 for 0.5 - 2.5 mm² insulated 90 degree flag connectors
- A5 for 0.5 - 6 mm² closed end insulated connectors and heat shrinkable terminals



Item #

9098

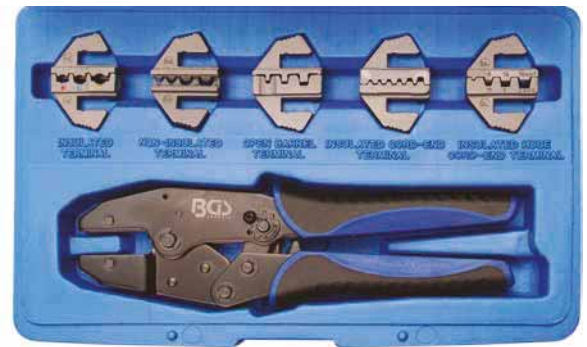
Crimping Tool Set with 5 Pairs of Jaws

- crimping tool set with ratcheting function, adjustable jaws and pressure point unlocking
- supplied in an acid-proof blow mould case

includes 5 exchangeable pairs of crimping jaws for:

- closed non-insulated terminal ends:
 - AWG 20-18 / 16-14 / 12-10 / 8
 - DIN 1.5 / 2.5 / 6 / 10 mm²
- insulated terminal ends:
 - AWG 22-18 / 16-14 / 12-10
 - DIN 0.5-1.0 / 1.5-2.5 / 4-6 mm²
- open, non-insulated terminal end:
 - AWG 22-18 / 16-14 / 12-10
 - DIN 0.5-1.0 / 1.5-2.5 / 4-6 mm²
- small, insulated terminal end
 - AWG 22-18 / 16-14 / 12-10
 - DIN 0.5-1.0 / 1.5-2.5 / 4-6 mm²
- big, insulated terminal end:
 - AWG 10 / 8 / 6
 - DIN 6 / 10 / 16 mm²

Item #	Description
1410	Crimping Tool Set with 5 Pairs of Jaws
1410-A	Crimping Jaws for insulated Cable Lugs for BGS 1410, 1411, 1412
1410-B	Crimping Jaws for non-insulated, closed Cable Clamps for BGS 1410, 1411, 1412
1410-BNC	Crimping Jaws for BNC/TNC coaxial Plugs for BGS 1410, 1411, 1412
1410-C	Crimping Jaws for open Terminals for BGS 1410, 1411, 1412
1410-C1	Crimping Jaws for open Terminals for BGS 1410, 1411, 1412
1410-D	Crimping Jaws for insulated small cord-end Terminals for BGS 1410, 1411, 1412
1410-F	Crimping Jaws for large, insulated cord-end Terminals for BGS 1410, 1411, 1412
1410-H	Crimping Jaws for D-USB V3.5 for BGS 1410, 1411, 1412
1410-H1	Crimping Jaws for Spark Plug Connectors for BGS 1410, 1411, 1412
1410-I2	Crimping Jaws for Solar Connector MC4 for BGS 1410, 1411, 1412



Pliers

Crimping Pliers Set with Cable Lug Assortment | 1000 pcs.

- crimping tool set with ratcheting function and adjustable jaws
- supplied in an acid-proof blow mould case

includes 2 exchangeable pairs of crimping jaws for:

- insulated end terminals 0.5 - 6 mm² (red-blue-yellow) with symmetrical oval pressing
- non-insulated end terminals 1.5 - 10 mm² with mandrel pressing
- set includes 1000 different cable terminals

Item #
1411



Crimping Pliers | exchangeable Jaws

- crimping tool set with ratcheting function
- 2 exchangeable pairs of jaws for - non-insulated end terminals 0.5 - 6 mm² (red-blue-yellow)
- non-insulated end terminals 1.5 - 10 mm² with closed cable attachment ring

Item #
1412



Ratchet Crimping Tool | for Cable End Sleeves 0.5 - 4 mm²

- heavy insulated handle
- suitable for conductor sleeves in sizes 0.5 - 0.75 - 1.0 - 1.5 - 2.5 - 4 mm²
- length: 215 mm

Item #
1418



Ratchet Crimping Tool | for uninsulated Cable Lugs 0.5 - 6 mm²

- for open, non-insulated terminals
- 0.5-1-1.5-2.5-4-6 qmm



Item #	Description
1419	Ratchet Crimping Tool for uninsulated Cable Lugs 0.5 - 6 mm ²
1417	Replacement Crimping Jaws for BGS 1419



Ratchet Crimping Tool | for insulated Terminals 0.5 - 6 mm²

- insulated handles
- for insulated terminal sizes: 0.5 - 1.5 / 1.5 - 2.5 / 4 - 6 mm²
- length: 215 mm
- surface finish: burnished

Item #
1426



Crimping Tool | for Cable End Sleeves, 0.5 - 2.5 mm²

- forged
- insulated cushion-grip handles
- suitable for cable end sleeves in sizes 0.5 - 0.75 - 1.0 - 1.5 - 2.5 mm²
- length: 150 mm

Item #
1428



Cable Lug Crimping Tool | for Cable End Sleeves up to 16.0 mm²

- forged
- insulated cushion-grip handles
- can be used for cable end sleeves in sizes: 0.5 - 0.75 - 1.0 - 1.5 - 2.5 - 4.0 - 6.0 - 10.0 - 16.0 mm²
- length: 190 mm

Item #
1429



Crimping Pliers | for Cable Lugs | 6 - 50 mm²

- crimping pliers with 6-fold crimp profile
- for cable lugs, series and parallel connectors
- for copper and aluminium cable lugs from 6 - 50 mm²
- rotatable and lockable crimp die pairs in sizes: 6 - 10 - 16 - 25 - 35 - 50 mm²
- anti-slip handles with finger recesses for safe working
- insulated handles
- lever length: 250 mm
- total length: 390 mm

Item #
9397



Locking Grip Pliers Set | 16 pcs.

- all pliers have strong non-slip rubber handles
- 3 round nose locking pliers, 185 x 55mm
- 5 big locking pliers, 235 x 65 mm
- 2 small locking pliers
- 2 welding locking pliers 235 x 65 mm
- 2 round nose locking pliers, 280 x 140 mm
- 1 medium locking pliers
- 1 small locking pliers

Item #
4495



Locking Grip Pliers Set | 4 pcs.

- adjustable contact pressure
- packed in wallet
- self grip pliers 125 mm
- self grip pliers 180 mm
- self grip pliers 250 mm
- long nose pliers 150 mm



Item #
494

Mini Locking Grip Pliers Set | 3 pcs.

- long nose self grip pliers, 135 mm length
- welding self grip pliers, 130 mm length
- self grip pliers, 110 mm length



Item #
4499



Locking Grip Pliers | extra short | 100 mm

- 6 times riveted
- curved jaws
- extra small size
- material: special steel
- surface finish: chrome plated



Item #
505



Locking Grip Pliers | 3-way adjustable | 225 mm

- gripping
- range up to 55 mm
- material: special steel
- surface finish: chrome plated



Item #
493



Locking Grip Pliers | 225 mm

- polished jaws
- adjustable
- material: special steel
- surface finish: black burnished

Item #
485



Locking Grip Pliers | with Vinyl Release Lever | 250 mm

- vinyl quick release lever
- material: special steel
- surface finish: nickel plated

Item #
4490



Locking Grip Pliers | with Vinyl Release Lever | 250 mm

- professional quality
- vinyl quick release lever
- in colour box
- surface finish: nickel plated

Item #
4491



Locking Grip Pliers | with Hammer Adaptor | 250 mm

- for use with sliding hammer
- surface finish: chrome-plated

Item #
4494



Locking Long Nose Grip Pliers | extra short | 125 mm

- 6 times riveted
- straight jaws
- material: special steel
- surface finish: nickel plated

Item #
506



Locking Long Nose Grip Pliers

- special steel
- forged
- nickel plated
- tempered jaws



Item #	Description
474	Locking Long Nose Grip Pliers 170 mm
475	Locking Long Nose Grip Pliers 225 mm
476	Locking Long Nose Grip Pliers 250 mm



Welding Locking Grip Pliers | extra short | 110 mm

- 5 times riveted
- for holding bulky pieces of work
- flexible jaws
- extra small size
- material: special steel
- surface finish: chrome plated
- max. clamping width: 35 mm

Item #
507



Locking Welding Grip C-Clamp | 280 mm

- forged
- material: special steel
- surface finish: nickel plated

Item #
496



Locking Welding C-Clamp | 475 mm

- forged
- material: special steel
- surface finish: nickel plated
- max. clamping depth: 250 mm
- max. clamping width: 85 mm

Item #
497



Locking Welding Grip Pliers | with Vinyl Release Lever | 280 mm

- forged
- opening with vinyl quick release lever
- material: special steel
- surface finish: nickel plated

Item #
495



Locking Long Nose Grip Pliers

- special steel
- satin chrome plated



Item #	Description
4496	Locking Long Nose Grip Pliers 380 mm
4497	Locking Long Nose Grip Pliers 500 mm



Fitting Clamp Locking Grip Pliers | for Ø 6 - 16 mm

- for adopting connection fittings
- clamps Ø 6 - 8 - 10 - 12 and 16 mm
- surface finish: satin chrome plated

Item #
4498



Locking Grip Pliers | Special Shape | 240 mm

- max. opening: 55 mm
- jaws made from chrome vanadium steel (S2)
- handles and mechanisms made of chrome molybdenum steel
- jaw material: chrome vanadium steel
- surface finish: chrome plated

Item #
4500



Locking Grip Pliers | Claw Design | 210 mm | 6 - 32 mm

- perfect hold on damaged screws/bolts through special claw design
- secure hold on pipes and lines
- material: special steel



Item #
491

Locking Grip Pliers | with Quick Release Lever | 225 mm

- for working on car bodies, forging and clamping on door frames, wheel arches, side panels, flanges, sheets and others
- for spot welding in between the jaws (e.g. door frames, flanges, etc.)



Item #
480

Locking Grip Pliers | with Quick Release Lever | 210 mm

- for working on car bodies, forging and clamping on door frames, wheel arches side panels, flanges, sheets and many more
- for spot welding in between the jaws
- diverse applications possible (e.g. side panels, roof, etc.)



Item #
482

Locking Grip Pliers | with Quick Release Lever | 220 mm

- for working on car bodies, forging and clamping on door frames, wheel arches, side panels, flanges, sheets and many more
- for working on the whole body
- perfect assistance while assembling doors, wheel arches etc.
- length: 220 mm



Item #
484

Fixing Clamps Set with Pliers | 11 pcs.

- for fast and easy fixing during glueing and welding of sheet metal parts
- for time- and cost-saving body work
- the economical alternative to conventional locking pliers with size advantage
- large clamping range in relation to the size
- re-adjustment of sheet metal is possible at any time
- pliers in angled shape allow access even to difficult places such as door pillars, quarter window etc.
- includes 10 universal steel clamps
- clamp opening: 0 to 5 mm



Item #	Description
8774	Fixing Clamps Set with Pliers 11 pcs.
8774-1	Fixing Clamps for BGS 8774 10 pcs.

Riveter Set | long arm | 3.2 - 6.4 mm

- for aluminium and steel rivets
- 5 nosepieces, sizes: 3.2 - 4.0 - 4.8 - 5.0 - 6.4 mm
- suitable for rivet nuts M4, M5, M6, M8 und M10
- incl. draw bar for riveter M4, M5, M6, M8 und M10
- rivet stroke: max. 20 mm
- handles can be folded



Item #	Description
405	Riveter Set long arm 3.2 - 6.4 mm
405-1	Pull Bar for BGS 405
405-2	Replacement Pair of Jaws for BGS 405, 3284
405-3	Jaw Case for BGS 405
405-4	Rivet Nut Head for BGS 405
405-M10	Rivet Nut Tension Extension for BGS 405 with M10 Nut
405-M4	Rivet Nut Tension Extension for BGS 405 with M4 Nut
405-M5	Rivet Nut Tension Extension for BGS 405 with M5 Nut
405-M6	Rivet Nut Tension Extension for BGS 405 with M6 Nut
405-M8	Rivet Nut Tension Extension for BGS 405 with M8 Nut
405-Zange	Riveter long arm

Nut Riveter | M3 - M10 | 68 pcs.

- ideal for hard to reach places
- for rivet nuts M3, M4, M5, M6, M8, M10
- suitable for aluminium and steel rivet nuts
- nosepiece / mandrel pairs for M3, M4, M5, M6, M8, M10
- incl. 10 pieces of each rivet nuts M3, M4, M5, M6, M8, M10
- max. stroke: 9 mm
- length: 330 mm
- weight: 1100 g
- length: 330 mm



Item #
408

Riveter | long arm | with Collecting Bottle

- bottle helps to keep work environment clean and safe
- 220 mm handles for strong leverage
- incl. nosepieces for 2.4 mm (3/32"), 3.2 mm (1/8"), 4.0 mm (5/32") and 4.8 mm (3/16")
- suitable for steel rivets
- length: 220 mm



Item #	Description
409	Riveter long arm with Collecting Bottle
409-1	Replacement Claws for BGS 409

Hand Riveter

- suitable for rivets made of aluminium, copper and steel, diameters of 2.4 - 3.2 - 4.0 - 4.8 mm



Item #	Description
402	Hand Riveter
402-2	Spare Mouthpiece for BGS 402 2.4 / 3.2 / 4.0 / 4.8 mm



Blind Rivet Attachment | 2.4 - 3.2 - 4.0 - 4.8 mm

- converts any drill into a rivet gun
- works with standard electric drills (reversible, min. torque 15 Nm)
- with mounting key
- for aluminium rivets 2.4 - 4.8 mm
- for stainless steel rivets 2.4 - 4.0 mm
- with hexagon shaft 6.3 mm (1/4") - 6.35 mm

Item #
406



Rivet Nut Attachment | M3 / M4 / M5 / M6

- converts any drill into a rivet gun
- works with standard electric drills (reversible, min. torque 20 Nm)
- with mounting key
- with threaded mandrels and nosepieces in M3 - M4 - M5 - M6

Item #
407



Plastic Rivet Kit

- for riveting e.g. plastic panels in the interior of vehicles, boats, etc.
- suitable for plastic blind rivets with mandrel diameter 2 - 4.5 mm
- 1 riveter
- contains 40 plastic blind rivets in the following sizes:
 - 10x Ø 5.0 x 15.8 mm
 - 10x Ø 5.0 x 17.2 mm
 - 10x Ø 6.6 x 17.2 mm
 - 10x Ø 6.3 x 25.2 mm



Item #	Description
8463	Plastic Rivet Kit
8463-1	Blind Rivets for BGS 8463 5.0 x 15.8 mm 10 pcs.
8463-2	Blind Rivets for BGS 8463 5.0 x 17.2 mm 10 pcs.
8463-3	Blind Rivets for BGS 8463 6.6 x 17.2 mm 10 pcs.
8463-4	Blind Rivets for BGS 8463 6.3 x 25.2 mm 10 pcs.



Gaspipe Pliers | 3-Point Grip

- red lacquered
- polished jaws
- special advantage: 3-point grip prevents slipping off



Item #	Description
525	Gaspipe Pliers 1" 3-Point Grip
526	Gaspipe Pliers 1.5" 3-Point Grip
527	Gaspipe Pliers 2" 3-Point Grip



One-Hand Pipe Wrench | 270 mm | 50 mm

- plier head 180° rotatable and lockable in 18 positions
- opening max. 50 mm
- length: 270 mm
- max. clamping width: 50 mm



Item #
528



One-Hand Pipe Wrenches

- American model (Stillson Type)
- adjustable

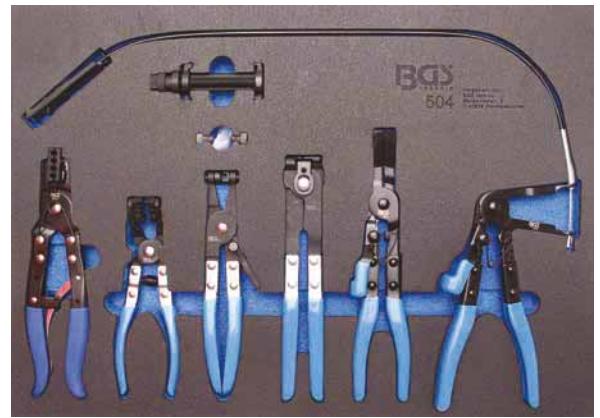
- BGS 540, One-Hand Pipe Wrench, length: 250 mm, maximum opening: 6 - 25 mm
- BGS 541, One-Hand Pipe Wrench, length: 300 mm, maximum opening: 13 - 32 mm
- BGS 542, One-Hand Pipe Wrench, length: 350 mm, maximum opening: 13 - 38 mm
- BGS 543, One-Hand Pipe Wrench, length: 450 mm, maximum opening: 25 - 51 mm
- BGS 544, One-Hand Pipe Wrench, length: 600 mm, maximum opening: 38 - 64 mm

Item #	Description
540	One-Hand Pipe Wrench 250 mm 6 - 25 mm
541	One-Hand Pipe Wrench 300 mm 13 - 32 mm
542	One-Hand Pipe Wrench 350 mm 13 - 38 mm
543	One-Hand Pipe Wrench 450 mm 25 - 51 mm
544	One-Hand Pipe Wrench 600 mm 38 - 64 mm



Tool Tray 3/3: Hose Clamp Pliers Set

- dimensions (W x D x H) 567 x 408 x 32 mm
- BGS 8412 ratcheting hose clip pliers 0 - 38 mm
 - opening from 0 up to 38 mm
 - ratchet locking function
 - opens using spring mechanism
- BGS 471 hose clip pliers CLIC / CLIC-R
 - 190 mm length
 - turnable, angled jaws
- BGS 473 ratcheting hose clip pliers
 - for spring pipe clamps
 - interchangeable jaws (2 pairs)
 - length 200 mm
- BGS 161 CV-joint boot pliers
 - with ear-type holder, prevents loosening of sleeve fastening
 - universal use, works on fuel hoses, CV boots
 - 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
 - especially suitable for new type hose clips on VAG fuel lines
- BGS 470 hose clamp pliers with bowden cable
 - for installation and removal of 18 - 54 mm long elastic, self-locking, spring steel collars
 - can be used even in narrow spaces
 - length 630 mm
- BGS 8804 Hose clamp 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 Tool | 0 - 40 mm

- for tensioning spring steel hose clamps
- particularly useful in confined spaces
- knurled wheel for pre-tensioning
- 10 mm (3/8") drive for ratchets, extension bars, etc.
- jaw capacity: 0 to 40 mm
- material: carbon steel
- surface finish: chrome plated

Item #	
8805	



Hose Clamp Tool | 0 - 40 mm

- also usable on new style VAG clips
- hand drive or socket drive

Item #
8804



Tensioning Tool | for Spring Band Hose Clamps

- for tensioning spring band clamps on e. g. coolant and fuel hoses
- knurled nut for adjusting the tensioning width
- max. clamping range: 53 mm
- material: zinc alloy / chrome plated steel
- high strength due to lever handle

Item #
9279



Spring Clamp Pliers | for Fuel Lines | 180 mm

- suitable for Audi, Seat, Skoda and Volkswagen (VAG)
- especially suitable for spring clamps on fuel lines
- facilitates the dismantling and assembly of small spring clamps
- hardened, warp-free claw
- with spring mechanism

Item #
66102



Hose Clamp Pliers | 200 mm

- ratchet locking function for spring clamps
- interchangeable jaws (2 pairs)

Item #
473



Hose Clamp Pliers | Bent Type | with Ratcheting Function | 220 mm

- with ratcheting function

Item #
477

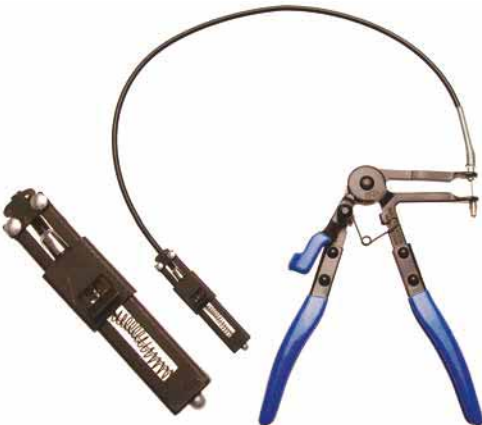


Hose Clamp Pliers | with Bowden Cable | 630 mm | 18 - 54 mm

- for mounting and removal of all flexible, self-locking belt clamps from 18 - 54 mm
- for use even in narrow spaces
- black finished



Item #	Description
470	Hose Clamp Pliers with Bowden Cable 630 mm 18 - 54 mm
47	Spare Bowden Cable for BGS 467, 470



Hose Clamp Pliers | Semi-Flexible | 850 mm | 18 - 54 mm

- suitable for self-tensioning spring clamps with a diameter of 18 to 54 mm
- semi-flexible design makes it perfect for hard-to-reach self-tensioning spring-clip clamps
- with reinforced bowden cable including locking mechanism and inner spring
- with slip-resistant dip-coated handles

Item #
472



Hose Clamp Pliers | 230 mm

- for loosening hose clamps
- adjustable in 2 steps
- toothed gripping jaws for better grip
- slip-proof handles

Item #
8409



Hose Clamp Pliers

- dip coated handles
- ratchet locking function
- opens through spring mechanism



Item #	Description
8412	Hose Clamp Pliers 245 mm 0 - 38 mm
8414	Hose Clamp Pliers 245 mm 22 - 55 mm



Hose Clamp Pliers | 260 mm

- especially 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 Clamp Pliers | 245 mm

- for compressing clips (Oetiker system), for example on fuel lines, coolant lines, axle boots
- max. clamping width: 31 mm



Item #
466



Hose Clip Pliers with Swivel Head | 210 mm

- heads can rotate 360°, for lateral pre-tensioning of hose clamps
- suitable for CLIC type hose clamps on fuel lines



Item #
499



Hose Clamp Pliers | for CLIC-R Hose Clamps

- for installation and removal of CLIC-R hose clamps
- good for use even in narrow spaces
- 630 mm bowden cable length



Item #
8752



Hose Clamp Pliers | for CLIC and CLIC-R Hose Clamps | 190 mm

- revolving jaws



Item #
471



Hose Clamp Pliers | for CLIC Hose Clamps | 175 mm

- disassembly and assembly of Clic hose clamps
- suitable for VW-Audi, Citroen, Mercedes, Opel (Vauxhall), Peugeot, etc.
- hardened jaws
- chrome plated handle



Item #
8347



Hose Clamp Pliers | for CLIC-L Hose Clamps | 150 mm

- allows easy and fast unlocking and locking of clipped, reusable hose clamps

Item #
8470



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



Pliers for Axle Boot Clamps | for use with Torque Wrench

10 3/8"

- forged steel
- suitable for stainless steel hose clamps
- simply adjust to the required torque using a torque wrench on the 10 mm (3/8") socket

Item #
163



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
- hose clamp has a locking function and release button

Item #
66120



Pliers for Axle Boot Clamps | 235 mm

- with ear holder, prevents loosening of sleeve fasteners
- universal use, works on CV boots, fuel hoses on VAG, Opel, BMW, Mercedes-Benz, Honda, Nissan, Mazda etc.
- for working on Oetiker system ear hose clamps

Item #
161



Pliers for Ear-Type Clamps | 240 mm

- counterholding tool allows a professional squeezing of ear-type hose clamps, Oetiker system
- dip coated handle

Item #
8359



Pliers for Earless Axle Boot Clamps | 260 mm

- suitable for earless axle boot clamps on rubber and thermoplastic axle boots, installed in Audi, BMW, Chrysler, Ford, GM, Honda, Mazda, Mercedes, Nissan, Opel, Porsche, Volkswagen
- suitable for clamps up to 100 mm diameter, for example Oetiker 168

Item #
9093



Hose Band Tensioning Tool

- for mounting of endless hose bands
- for tensioning and cutting
- is required at e. g. joint & steering boots
- suitable for hose bandwidth up to 10 mm
- with ratchet wrench for better operation
- dip coated handle

Item #
1509



Hose Clamp Tensioning Tool

- for tightening hose clips
- with cutter
- tightening with 13 mm socket possible

Item #
1521



Hose Clamp Screwdriver Set | 6.3 mm (1/4") | 500 mm

6.3 ■ 1/4

- incl. 3 sockets 6.3 mm (1/4") drive
- 4 - 5 - 7 mm
- anti-slip 2-component handle
- for hose clamps

Item #
7824



Flexible Hexagon Screwdriver

- for use with 6-pt screws
- mainly for tightening / loosening hose clamps
- anti-slip, ergonomically formed 2-component handle



Item #	Description
7826	Flexible Hexagon Screwdriver 6 mm
7827	Flexible Hexagon Screwdriver 7 mm
7828	Flexible Hexagon Screwdriver 8 mm

