BGS® technic

Catalog 2013/2014

Quality and Service
BGS technic
since 1970

BGS 2013/2014

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BGS technic KG, POB 1450, 42907 Wermelskirchen; HR Köln 15916; Domicile Wermelskirchen

BGS 2013/2014

Head Office

BGS technic's headquarter is located in Wermelskirchen, next to the A1 highway exit. Modern offices, large-scale storage capacity, spacious showing rooms and a fully equipped repair shop cover an area of 10,000 m².

Supported by modern electronic data processing equipment, we are ready for future expansion and look forward to working with you.

Warehouse

Sophisticated planning and a steady flow of goods management enable us to handle large amounts of merchandise. Cutting-edge process optimization, extensive storage facilities with modern high rise racks allow perfect order processing and a 24 hour delivery service.

Exhibition Rooms

A large showroom and several smaller exhibition rooms display all our products for our customers. Carefully arranged exhibition walls give you an immediate overview and a perfect product presentation.

Tradeshows

Continuous participation in international fairs create a basis for personal customer contact.

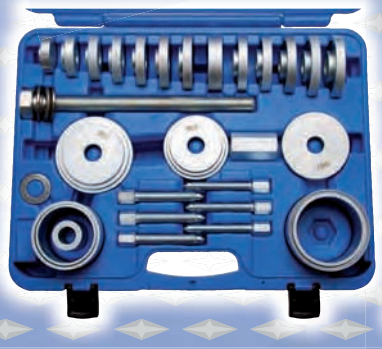
Repair Shop

Our professional repair shop has many options of maintaining and repairing BGS tools. Quality control and materials testing in cooperation with well-known testing institutes are the basis for optimal quality assurance.

BGS 2013/2014

BGS technic® - a brand for perfect tools!

Since the early 1970ies, the BGS technic brand is a symbol of fine quality tools and constant innovation every year, in over 60 countries worldwide.
The BGS technic brand stands for high quality, long lasting hand tools and compressed air tools for daily workshop use.
Our overall aim is to offer fast service, a comprehensive product range and product innovations at the very best value for money for the benefit of our customers. More than 4000 quality tools are available in the well known PRO+ and PRO quality level.
All products are supplied directly from our modern distribution center, and come in an appealing and self explanatory sales packaging in German and English language.



PRO+ Exceptional quality for high durability in every day workshop use.

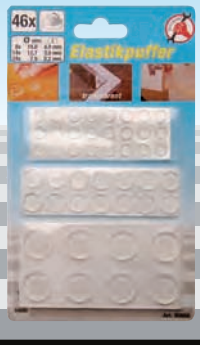
PRO Good quality for every day use at an optimal cost.

ZOLL/SAE Tools in inch sizes.

Items marked with this icon are supplied in a „ready-to-be-sold" packaging and can be hang on up.

DIY ASSORTMENT

Our entry level brand KRAFTMANN® carries all DIY items and offers especially attractive value for money.
KRAFTMANN® offers a whole retail strategy for the DIY sector.
Self explanatory packaging guarantees high sales.
When it comes to product safety, we apply the same high quality requirements as for all other tools.
The attractive KRAFTMANN® product range is constantly enlarged by a diversity of new and innovative items for DIY, hobby and automotive use.



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HAND TOOLS

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Pro Torque®
for better screw protection avoids rounding of the screw edges.

Super Lock
for added torque. Extends life of the socket and the screw.

Gear Lock
profile provides universal use for hexagon, 12-point, T-Star (E-type), metric and inch screws.

Icon for drive sizes in e.g. sockets

6.3 ◘ 1/4 — **6,3 mm drive size** (compatible to 1/4")

10 ◘ 3/8 — **10 mm drive size** (compatible to 3/8")

12.5 ◘ 1/2 — **12,5 mm drive size** (compatible to 1/2")

20 ◘ 3/4 — **20 mm drive size** (compatible to 3/4")

25 ◘ 1 — **25 mm drive size** (compatible to 1")

Symbol for producing material

CRO MO — **chrome molybdenum steel**

CV — **chrome vanadium steel**

94-piece Socket Set

6.3 ¼ | 12.5 ½

94-piece Socket Set

6.3 ¼ | 12.5 ½

- all parts manufactured from chrome vanadium steel
- hardness and torque in accordance with DIN
- “super lock“ sockets
- fine 72 tooth ratchets

Item #
2294

PRO+ CV

Set Contents

Item #	Description
293	1 bit holder for 8mm bits, 12.5 (1/2)
8202	6.3 (1/4) Hex x 6.3 (1/4) Square head adaptor
239	1 Spin. Handle, 6.3 (1/4)
234	12.5 (1/2) Extension Bar: 125mm wobble
3121	12.5 (1/2) Extension Bar: 250mm
289	Sliding adaptor for 12.5 (1/2) ext. bars, 3/8 int. x 1/2 ext.
2337	6.3 (1/4) Extension Bar: 50mm hex.
2335	6.3 (1/4) Extension Bar: 100mm hex.
276	Sliding Tee Bar, 6.3 (1/4)
250	6.3 (1/4) Universal Joint
251	12.5 (1/2) Universal Joint
	L-type Wrench Set, 3 piece, Int Hex 1.5, 2, 3mm
318	6.3 (1/4) Reversible Ratchet with Quick Release Button
320	12.5 (1/2) Reversible Ratchet with Quick Release Button

12.5 ½

Item #	Size
2410	10mm
2411	11mm
2412	12mm
2413	13mm
2414	14mm
2415	15mm
2416	16mm
2417	17mm
2418	18mm
2419	19mm
2420	20mm
2421	21mm
2422	22mm
2423	23mm
2424	24mm
2427	27mm
2430	30mm
2432	32mm

12.5 ½ Deep

Item #	Size
2944	14mm
2945	15mm
2947	17mm
2949	19mm

6.3 ¼

Item #	Size
2344	4,0mm
2339	4,5mm
2345	5,0mm
2343	5,5mm
2346	6,0mm
2347	7,0mm
2348	8,0mm
2349	9,0mm
2350	10,0mm
2351	11,0mm
2352	12,0mm
2353	13,0mm
2354	14,0mm

6.3 ¼ Deep

Item #	Size
2966	6mm
2967	7mm
2968	8mm
2969	9mm
2970	10mm
2971	11mm
2972	12mm
2973	13mm

Spark Plug sock.

Item #	Size
2472	16mm, 12.5
2470	21mm, 12.5

6.3 ¼ Bit Sockets

Item #	Size
2493	Plain Slot 4,0mm
2494	Plain Slot 5,5mm
2496	Plain Slot 7,0mm
2487	Cross Slot #1
2488	Cross Slot #2
2490	PZ-Type #1
2491	PZ-Type #2
2497	Int. Hex. 3mm
2498	Int. Hex. 4mm
2499	Int. Hex. 5mm
2500	Int. Hex. 6mm
2356	T-8 Tamperproof
2357	T-10 Tamperproof
2358	T-15 Tamperproof
2359	T-20 Tamperproof
2360	T-25 Tamperproof
2362	T-30 Tamperproof

8 ⬢ 5/16 Bits

Item #	Size
4380	Plain Slot 8mm
4381	Plain Slot 10mm
4382	Plain Slot 12mm
4383	Cross Slot PH#3
4384	Cross Slot PH#4
4385	PZ-Type #3
4386	PZ-Type #4
4389	Int. Hex. 10mm
4390	Int. Hex. 12mm
4391	Int. Hex. 14mm
4440	T-40 Tamperproof
4445	T-45 Tamperproof
4450	T-50 Tamperproof
4455	T-55 Tamperproof

Contents as in BGS - 2294

With “gold color coated bits“ for optimal corrosion protection.

Item #
2293

PRO CV

108-piece Socket Set

6.3 ¼ | 12.5 ½

108-piece Socket Set

6.3 ◘ ¼ | 12.5 ◘ ½

- all parts manufactured from chrome vanadium steel
- hardness and torque in accordance with DIN
- "super lock" sockets

Item #
2298

PRO+ CV

Set Contents

Item #	Description
293	1 bit holder for 8mm bits, 12.5 (1/2)
8202	6.3 (1/4) Hex x 6.3 (1/4) Square head adaptor
239	1 Spin. Handle, 6.3 (1/4)
3120	12.5 (1/2) Extension Bar: 125mm
3121	12.5 (1/2) Extension Bar: 250mm
289	Sliding adaptor for 12.5 (1/2) ext. bars, 3/8 int. x 1/2 ext.
2236	6.3 (1/4) Extension Bar: 50mm
2231	6.3 (1/4) Extension Bar: 100mm
276	Sliding Tee Bar, 6.3 (1/4)
250	6.3 (1/4) Universal Joint
251	12.5 (1/2) Universal Joint
	L-type Wrench Set, 3 piece, Int Hex 1.5, 2, 3mm
227	6.3 (1/4) Reversible Ratchet with Quick Release Button
2304	12.5 (1/2) Reversible Ratchet with Quick Release Button

12.5 ◘ ½

Item #	Size
2410	10mm
2411	11mm
2412	12mm
2413	13mm
2414	14mm
2415	15mm
2416	16mm
2417	17mm
2418	18mm
2419	19mm
2420	20mm
2421	21mm
2422	22mm
2423	23mm
2424	24mm
2427	27mm
2430	30mm
2432	32mm

12.5 ◘ ½ Deep

Item #	Size
2944	14mm
2945	15mm
2947	17mm
2949	19mm
2952	22mm

6.3 ◘ ¼

Item #	Size
2344	4,0mm
2339	4,5mm
2345	5,0mm
2343	5,5mm
2346	6,0mm
2347	7,0mm
2348	8,0mm
2349	9,0mm
2350	10,0mm
2351	11,0mm
2352	12,0mm
2353	13,0mm
2354	14,0mm

6.3 ◘ ¼ Deep

Item #	Size
2966	6mm
2967	7mm
2968	8mm
2969	9mm
2970	10mm
2971	11mm
2972	12mm
2973	13mm

Spark Plug Sockets

Item #	Size
2472	16mm, 12.5 (1/2)
2470	21mm, 12.5 (1/2)

E-Type Sockets

Item #	Size
6460	E10, 12.5 (1/2)
6461	E11, 12.5 (1/2)
6462	E12, 12.5 (1/2)
6464	E14, 12.5 (1/2)
6466	E16, 12.5 (1/2)
6418	E18, 12.5 (1/2)
6420	E20, 12.5 (1/2)
6422	E22, 12.5 (1/2)
6404	E4, 6.3 (1/4)
6405	E5, 6.3 (1/4)
6406	E6, 6.3 (1/4)
6407	E7, 6.3 (1/4)
6408	E8, 6.3 (1/4)

6.3 ◘ ¼ Bit Sockets

Item #	Size
2493	Plain Slot 4,0mm
2494	Plain Slot 5,5mm
2496	Plain Slot 7,0mm
2487	Cross Slot #1
2488	Cross Slot #2
2490	PZ-Type #1
2491	PZ-Type #2
2497	Int. Hex. 3mm
2498	Int. Hex. 4mm
2499	Int. Hex. 5mm
2500	Int. Hex. 6mm
2356	T-8 Tamperproof
2357	T-10 Tamperproof
2358	T-15 Tamperproof
2359	T-20 Tamperproof
2360	T-25 Tamperproof
2362	T-30 Tamperproof

8 ⬢ 5/16 Bits

Item #	Size
4380	Plain Slot 8mm
4381	Plain Slot 10mm
4382	Plain Slot 12mm
4383	Cross Slot PH#3
4384	Cross Slot PH#4
4385	PZ-Type #3
4386	PZ-Type #4
4387	Int. Hex. 7mm
4388	Int. Hex. 8mm
4389	Int. Hex. 10mm
4390	Int. Hex. 12mm
4391	Int. Hex. 14mm
4440	T-40 Tamperproof
4445	T-45 Tamperproof
4450	T-50 Tamperproof
4455	T-55 Tamperproof
4460	T-60 Tamperproof

171-piece Socket Set

6.3 ◘ ¼ | 10 ◘ ⅜ | 12.5 ◘ ½

171-piece Socket Set

6.3 ¼ | 10 ⅜ | 12.5 ½

- all parts manufactured from chrome vanadium steel
- hardness and torque in accordance with DIN
- 3 fine 72 tooth reversible ratchets

Item # 2292

PRO+ CV

with „Super Lock“ sockets

Item # 2243

PRO+ CV

with Pro Torque® hexagon sockets

Set Contents

Item #	Description
293	1 bit holder for 8mm bits, 12.5 (1/2)
292	1 bit holder for 8mm bits, 10 (3/8)
239	1 Spin. Handle, 6.3 (1/4)
234	12.5 (1/2) Extension Bar: 125mm wobble
235	12.5 (1/2) Extension Bar: 250mm wobble
289	Sliding adaptor for 12.5 (1/2) extension bars, 3/8 int.x 1/2 ext.
2332	6.3 (1/4) Extension Bar: 50mm, wobble
2335	6.3 (1/4) Extension Bar: 100mm
246	10 (3/8) Extension Bar: 125mm wobble
	L-type Wrench Set, 7 piece, Int Hex 1, 1.5, 2, 2.5, 3, 4, 5mm
8203	6.3 (1/4) Adaptor with retaining ball, f. 6.3 (1/4) bits
250	6.3 (1/4) Universal Joint
251	12.5 (1/2) Universal Joint
299	10 (3/8) Universal Joint
276	Sliding Tee Bar, 6.3 (1/4)
318	6.3 (1/4) Reversible Ratchet with Quick Release Handle
319	10 (3/8) Reversible Ratchet with Quick Release Handle
320	12.5 (1/2) Reversible Ratchet with Quick Release Handle

12.5 ½

Item #	Size
2410	10mm
2411	11mm
2412	12mm
2413	13mm
2414	14mm
2415	15mm
2416	16mm
2417	17mm
2418	18mm
2419	19mm
2420	20mm
2421	21mm
2422	22mm
2423	23mm
2424	24mm
2427	27mm
2430	30mm
2432	32mm

10 ⅜

Item #	Size
2370	10mm
2371	11mm
2372	12mm
2373	13mm
2374	14mm
2375	15mm
2376	16mm
2377	17mm
2378	18mm
2379	19mm

6.3 ¼

Item #	Size
2344	4,0mm
2339	4,5mm
2345	5,0mm
2343	5,5mm
2346	6,0mm
2347	7,0mm
2348	8,0mm
2349	9,0mm
2350	10,0mm
2351	11,0mm
2352	12,0mm
2353	13,0mm
2354	14,0mm

6.3 ¼ Deep

Item #	Size
2964	4mm
2965	5mm
2966	6mm
2967	7mm
2968	8mm
2969	9mm
2970	10mm

12.5 ½ Deep

Item #	Size
2946	16mm
2947	17mm
2948	18mm
2949	19mm
2952	22mm

10 ⅜ Deep

Item #	Size
2600	10mm
2601	11mm
2602	12mm
2603	13mm
2604	14mm
2605	15mm

Spark Plug Sockets

Item #	Size
2472	16mm, 12.5 (1/2)
2464	18mm, 10 (3/8)
2470	21mm, 12.5 (1/2)

E-type Sockets

Item #	Size
6404	E4, 6.3 (1/4)
6405	E5, 6.3 (1/4)
6406	E6, 6.3 (1/4)
6407	E7, 6.3 (1/4)
6408	E8, 6.3 (1/4)
6410	E10, 10 (3/8)
6411	E11, 10 (3/8)
6412	E12, 10 (3/8)
6414	E14, 10 (3/8)
6416	E16, 10 (3/8)
6418	E18, 12.5 (1/2)
6420	E20, 12.5 (1/2)
6424	E24, 12.5 (1/2)

6.3 ¼ Bit-Sockets

Item #	Size
2493	Plain Slot 4,0mm
2494	Plain Slot 5,5mm
2495	Plain Slot 6,5mm
2496	Plain Slot 7,0mm
2504	Cross Slot #0
2487	Cross Slot #1
2488	Cross Slot #2
2505	PZ-Type #0
2490	PZ-Type #1
2491	PZ-Type #2
2497	Int. Hex. 3mm
2498	Int. Hex. 4mm
2499	Int. Hex. 5mm
2500	Int. Hex. 6mm
2589	T-8
2588	T-9
2590	T-10
2591	T-15
2592	T-20
2593	T-25
2594	T-27
2595	T-30
2356	T-8 Tamperproof
2364	T-9 Tamperproof
2357	T-10 Tamperproof
2358	T-15 Tamperproof
2359	T-20 Tamperproof
2360	T-25 Tamperproof
2361	T-27 Tamperproof
2362	T-30 Tamperproof

8 ⬢ 5/16 Bits

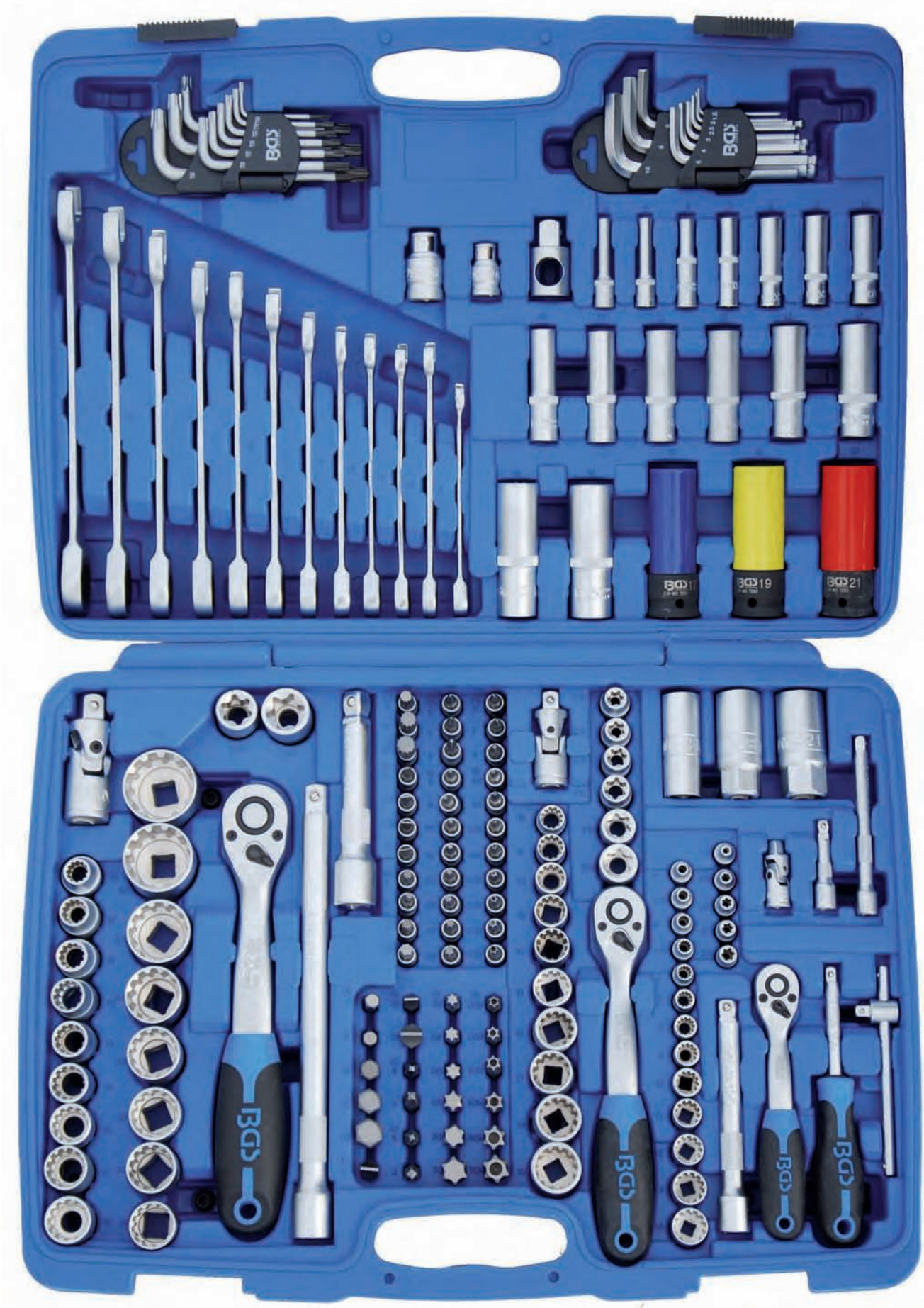
Item #	Size
4380	Plain Slot 8mm
4381	Plain Slot 10mm
4382	Plain Slot 12mm
4383	Cross Slot PH#3
4384	Cross Slot PH#4
4385	PZ-Type #3
4386	PZ-Type #4
4387	Int. Hex. 7mm
4388	Int. Hex. 8mm
4389	Int. Hex. 10mm
4390	Int. Hex. 12mm
4391	Int. Hex. 14mm
4440	T-40 Tamperproof
4445	T-45 Tamperproof
4450	T-50 Tamperproof
4455	T-55 Tamperproof
4460	T-60 Tamperproof
4458	T-70 Tamperproof
8164	T-40
8165	T-45
8166	T-50
8168	T-55
4456	T-60
4457	T-70

6.3 ⬢ ¼ Bits

Item #	Size
	T-5
	T-6
8217	T-7
2436	T-7 Tamperproof
2439	T-10 Tamperproof
2440	T-15 Tamperproof
2441	T-20 Tamperproof
2442	T-25 Tamperproof
2443	T-27 Tamperproof
2444	T-30 Tamperproof
2445	T-40 Tamperproof
	T-45 Tamperproof
	RIBE M5
	RIBE M6
	RIBE M7
	RIBE M8
	RIBE M9
	Spline M5
	Spline M6
	Spline M8

176-piece Socket Set

6.3 ◘ ¼ | 10 ◘ ⅜ | 12.5 ◘ ½



176-piece Socket Set

6.3 ◘ ¼ | 10 ◘ ⅜ | 12.5 ◘ ½

- **all parts manufactured from chrome vanadium steel**
- **hardness and torque in accordance with DIN**
- "Gear Lock" sockets
- 3 fine 72 tooth reversible ratchets
- 12 fine ratchet ring/open end spanners

Item #
2290

PRO+ CV

Set Contents

Item #	Description
293	1 bit holder for 8mm bits, 12.5 (1/2) drive
292	1 bit holder for 8mm bits, 10 (3/8) drive
239	1 Spin. Handle, 6.3 (1/4)
234	12.5 (1/2) Extension Bar: 125mm wobble
235	12.5 (1/2) Extension Bar: 250mm wobble
289	Sliding adaptor for 12.5 (1/2) extension bars, 3/8 int.x 1/2 ext.
2232	6.3 (1/4) Extension Bar: 50mm wobble
2335	6.3 (1/4) Extension Bar: 100mm
246	10 (3/8) Extension Bar: 125mm wobble
807	L-type Wrench Set, 9 piece, Int Hex 1,5 - 10 mm
809	L-type Wrench Set, 9 piece, T Star T10-50
250	6.3 (1/4) Universal Joint
299	10 (3/8) Universal Joint
251	12.5 (1/2) Universal Joint
276	Sliding Tee Bar, 6.3 (1/4)
318	6.3 (1/4) Reversible Ratchet with Quick Release Handle
319	10 (3/8) Reversible Ratchet with Quick Release Handle
320	12.5 (1/2) Reversible Ratchet with Quick Release Handle

12.5 ◘ ½

Item #	Size
10210	10mm
10211	11mm
10212	12mm
10213	13mm
10214	14mm
10215	15mm
10216	16mm
10217	17mm
10218	18mm
10219	19mm
10220	20mm
10221	21mm
10222	22mm
10223	23mm
10224	24mm
10227	27mm
10230	30mm
10232	32mm

10 ◘ ⅜

Item #	Size
10310	10mm
10311	11mm
10312	12mm
10313	13mm
10314	14mm
10315	15mm
10316	16mm
10317	17mm
10318	18mm
10319	19mm

6.3 ◘ ¼

Item #	Size
10104	4,0mm
10101	4,5mm
10105	5,0mm
10102	5,5mm
10106	6,0mm
10107	7,0mm
10108	8,0mm
10109	9,0mm
10110	10,0mm
10111	11,0mm
10112	12,0mm
10113	13,0mm
10114	14,0mm

6.3 ◘ ¼ Deep

Item #	Size
10154	4mm
10155	5mm
10156	6mm
10157	7mm
10158	8mm
10159	9mm
10160	10mm

12.5 ◘ ½ Deep

Item #	Size
10256	16mm
10258	18mm

10 ◘ ⅜ Deep

Item #	Size
10350	10mm
10351	11mm
10352	12mm
10353	13mm
10354	14mm
10355	15mm

Impact Sockets, Deep

Item #	Size
7201	17mm, 12.5 (1/2)
7202	19mm, 12.5 (1/2)
7203	21mm, 12.5 (1/2)

E-Tpye Sockets

Item #	Size
6404	E4, 6.3 (1/4)
6405	E5, 6.3 (1/4)
6406	E6, 6.3 (1/4)
6407	E7, 6.3 (1/4)
6408	E8, 6.3 (1/4)
6410	E10, 10 (3/8)
6411	E11, 10 (3/8)
6412	E12, 10 (3/8)
6414	E14, 10 (3/8)
6416	E16, 10 (3/8)
6418	E18, 12.5 (1/2)
6420	E20, 12.5 (1/2)
6424	E24, 12.5 (1/2)

6.3 ◘ ¼ Bit Sockets

Item #	Size
2493	Plain Slot 4,0mm
2494	Plain Slot 5,5mm
2495	Plain Slot 6,5mm
2496	Plain Slot 7,0mm
2504	Cross Slot #0
2487	Cross Slot #1
2488	Cross Slot #2
2505	PZ-Type #0
2490	PZ-Type #1
2491	PZ-Type #2
2497	Int. Hex. 3mm
2498	Int. Hex. 4mm
2499	Int. Hex. 5mm
2500	Int. Hex. 6mm
2589	T-8
2588	T-9
2590	T-10
2591	T-15
2592	T-20
2593	T-25
2594	T-27
2595	T-30
2356	T-8 Tamperproof
2364	T-9 Tamperproof
2357	T-10 Tamperproof
2358	T-15 Tamperproof
2359	T-20 Tamperproof
2360	T-25 Tamperproof
2361	T-27 Tamperproof
2362	T-30 Tamperproof
2503	Spline M8
2506	Spline M10
2507	Spline M12

Spark Plug Sockets

Item #	Size
2472	16mm, 12.5 (1/2)
2464	18mm, 10 (3/8)
2470	21mm, 6.3 (1/4)

8 ⬢ 5/16 Bits

Item #	Size
4380	Plain Slot 8mm
4381	Plain Slot 10mm
4382	Plain Slot 12mm
4383	Cross Slot PH#3
4384	Cross Slot PH#4
4385	PZ-Type #3
4386	PZ-Type #4
4387	Int. Hex. 7mm
4388	Int. Hex. 8mm
4389	Int. Hex. 10mm
4390	Int. Hex. 12mm
4391	Int. Hex. 14mm
4440	T-40 Tamperproof
4445	T-45 Tamperproof
4450	T-50 Tamperproof
4455	T-55 Tamperproof
4460	T-60 Tamperproof
4458	T-70 Tamperproof
8164	T-40
8165	T-45
8166	T-50
8168	T-55
4456	T-60
4457	T-70

Ratchet Ring Spanners

Item #	Size
1578	8mm
1579	9mm
1580	10mm
1581	11mm
1582	12mm
1583	13mm
1584	14mm
1585	15mm
1586	16mm
1587	17mm
1588	18mm
1589	19mm

69-piece Impact Socket Set, 1/4" + 1/2"

12.5 ½ | 6.3 ¼

- **chrome molybdenum steel**
- 2 reversible ratchets, 1/4" + 1/2", fine 72 tooth, ergonomic design
- sockets 1/4": 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13 and 14 mm
- sockets 1/4", extra deep: 6, 7, 8, 10, 11, 12 and 13 mm
- sockets 1/2": 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30 and 32 mm
- 50 mm and 100 mm extension bar, 1/4"
- 125 mm and 250 mm extension bar, 1/2"
- 1/2" sliding handle adaptor for extension bar
- sliding handle 1/4", 110 mm
- universal joint 1/4" + 1/2"
- 150 mm spinning handle 1/4"
- bit sockets 1/4": slot 4, 5.5 and 7 mm, cross slot #1, 2 und 3, Pozi #1, 2 and 3; internal hexagon 3, 4, 5, 6, 7 and 8 mm T-Star T10, T15, T20, T25, T30, T40
- 6-pt sockets, extensions and joints are suitable for impact wrenches

Item #
5255

PRO+ CRO MO

92-piece Socket Set, 1/4" + 3/8", in INCH

10 ⅜ | 6.3 ¼

- sockets in Pro Torque® finish
- 2 fine 72 tooth ratchets 1/4" + 3/8"
- short sockets, 1/4" drive: 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2"
- deep sockets, 1/4" drive: 1/4", 5/16", 3/8", 7/16", 1/2"
- 1 bit adaptor 1/4"
- 1 spinner handle 1/4"
- 1 universal joint 1/4"
- 1 extension bar with external hexagon 1/4"
- 1 sliding t-handle with adaptor 1/4"
- short sockets, 3/8" drive: 1/2", 9/16", 19/32", 5/8", 11/16", 3/4", 25/32", 13/16", 7/8", 15/16", 1"
- deep sockets, 3/8" drive:: 9/16", 5/8", 11/16", 3/4"
- 1 bit adaptor 3/8"
- 1 universal joint 3/8"
- 1 extension bar 3/8"
- **3 spark plug sockets:** 5/8",3/4",13/16"
- 29 pc bit assortment in slot, cross slot, PZ, Internal Hexagon, T Star
- **9 pc Combination Spanner Set:** 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"
- internal hexagon keys: 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8"
- 1 adaptor 1/4" to 3/8"

Item #
2299

PRO+ ZOLL/SAE CV

115-piece "Gear Lock" Socket Set, 1/4" + 1/2"

12.5 ■ ½ | 6.3 ■ ¼

- all-purpose GEARLOCK-profile for hexagon, double hexagon, inch and metric system, E-profile
- 8 sockets 1/4" drive, 4-4.5-5-5.5-6-7-8-9-10-11-12-13 mm
- 12 deep sockets 1/4" drive 6-7-8-9-10-11-12-13 mm
- 17 bit sockets 1/4" drive T-Star T8-10-15-20-25-30, PZ #1-2, PH #1-2, slotted 5.5-6-7 mm, Hexagon 4-5-6 mm
- 10 bits 1/4" T-Star T5-6-7, T-Star tamperproof T7, Spline M 5-6-8, Ribe RM 5-6-7-8-9, Five-Star TS10-15-20-25-27-30-40-45 tamperproof
- 1 sliding handle 1/4", 1 spinner handle 1/4", 1 universal joint 1/4"
- 1 wobble extension bar 1/4" 50 mm, 1 straight extension bar 1/4" 100 mm
- 4 L-type wrench for hexagon screws 1.25-1.5-2-2.5 mm
- 1 bit adaptor for 1/4" bits 1/4" drive 1 bit adaptor for 5/16" bits 1/2" drive
- 1 adaptor for 1/4" dr. sockets: 1/4" outer square x 1/4" outer hexagon
- 15 bits 15/16" T-Star T40-45-50-55, Hexagon 8-10-12-14 mm, slotted 8-10-12 mm, PH #3-4, PZ #3-4
- 18 sockets 1/2" drive 10-11-12-13-14-15-16-17-18-19 20-21-22-23-24-27-30-32 mm
- 4 deep sockets 1/2" drive 14-15-17-19 mm
- 1 extension bar 1/2" 255 mm, 1 adaptor for sliding T-bar 3/8" female x 1/2" male
- wobble extension bar 1/2" dr. 125 mm
- 1 universal joint 1/2"
- 2 spark plug sockets 16 and 21 mm, 1/2" dr.

Item #
2288

PRO+ ZOLL/SAE CV

50-piece Go-Through Socket Set 1/4"-3/8"-1/2

10 ■ ⅜ | 12.5 ■ ½ | 6.3 ■ ¼

- chrome plated
- go-through sockets allow working through long bolts/ thread bars
- Gear Lock sockets: (fits hexagon, double hexagon, inch, metric and E-type) 13 mm drive: 4.5 mm, 5 mm, 5.5 mm, 6 mm, 6.5 mm, 7 mm, 8 mm, 9 mm, 10 mm, 11mm, 12 mm, 13 mm 19 mm drive: 10 mm, 11 mm, 12 mm, 13 mm, 14 mm, 14 mm, 15 mm, 16 mm, 17 mm, 18 mm, 19 mm 22 mm drive: 20 mm, 21 mm, 22 mm, 23 mm, 24 mm, 27 mm, 30 mm, 32 mm
- 3 fine 72 tooth ratchets (1/4"-3/8"-1/2") for special sockets (13-19-22 mm drive)
- **3 go-through and 3 standard extension bars**
- **3 external square adapters for regular sockets**

Item #
2183

PRO+ CV

82-piece 1/4" + 1/2" Socket Set in Aluminium Case

12.5 ½ | 6.3 ¼

- hardness and torque in accordance with DIN
- 12 **Gear Lock** sockets 1/4" drive,
  4-4.5-5-5.5-6-7-8-9-10-11-12-13 mm
- 17 bit sockets 1/4" drive T-Star T8-10-15-20-25-30,
  tamperproof, PH #1-2, slotted 4-5.5-7 mm,
  hexagon 3-4-5-6 mm
- 1 sliding T-bar 1/4", 1 spinner handle 1/4", 1 universal joint 1/4"
- 2 extension bars 1/4" drive 50 and 100 mm
- 3 L-type wrenches for hexagon screws 1.5-2-2.5 mm
- 1 bit adaptor for 5/16" bits 1/2" drive
- 1 flexible extension bard 1/4" 150 mm
- 1 adaptor for 1/4" dr. sockets 1/4" outer square x 1/4" outer hex
- 15 bits 15/16" T-Star T40-45-50-55, hexagon 8-10-12-14 mm,
  slotted 8-10-12 mm, PH #3-4, PZ #3-4
- 18 **Gear Lock** sockets 1/2":
  10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-27-30-32 mm
- 1 extension bar 1/2" drive 255 mm,
  1 sliding adaptor 3/8" female x 1/2" male
- wobble extension bar 1/2" 125 mm
- 1 universal joint 1/2", 2 spark plug sockets 16 und 21 mm 1/2"

In high quality aluminium case

Item #
2297

PRO+ CV

28-piece Socket Set, 1/4"

6.3 ¼

- 1 fine 72 tooth ratchet (extra short - just 108 mm)
- 1 extension bar 1/4" 50 mm
- 1 bit-holder
- 9 "gear lock" sockets / radius finish
  5-6-7-8-9-10-11-12-13 mm
- Gearlock drive fits hex., 12-pt., T-Star, metric + inch nuts
- 16 bits 1/4" S2-steel:
  PH# 1+2 ; PZ# 1+2 ; plain slot 4.5+6 mm
- internal hexagon 3+4+5 mm
- T STAR T10-15-20-25-27-30-40

Packed in a convenient hard-top case

Item #
2143

PRO+ CV

46-piece Socket Set, 1/4", INCH Sizes

6.3 ◘ ¼

- T-Star: T10, T15, T20,m T25, T30, T40
- internal hexagon: 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 3/8"
- slotted screwdriver: 4, 5,5 mm
- cross slotted scewdriver: PZ1, PZ2, PZ3
- 6-pt sockets: 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 15/32", 1/2", 9/16"
- 72-tooth ratchet
- 50 mm extension bar
- 100 mm extension bar
- 150 mm flexible extension bar
- sliding T-Bar
- spinner handle
- universal joint
- adaptor 1/4" 6-pt to 1/4" 4-pt
- internal hexagon wrench set

Item #
2141

PRO+ CV

52-piece Socket Set, 1/4"

6.3 ◘ ¼

- hardness and torque in accordance with DIN
- sockets in **pro torque®**finish

- 1 reversible ratchet 1/4" with quick release button
- 1 slid. tee bar
- 1 universal joint
- 1 spinner handle
- 1 thumb wheel
- 2 extension bars 50 + 100 mm
- 3 L-type wrenches 1,5 - 3 mm
- 18 bit-sockets 1/4" drive: plain slot, cross slot, PZ, Int. hex., T-STAR (tamperproof)
- 13 sockets 1/4" drive: 4-14 mm
- 6 deep sockets 1/4" drive: 8-14 mm
- 7 E-Type-sockets 1/4" Antrieb: E4-E11

Item #
2147

PRO+ CV

46-piece Socket Set, 1/4"

6.3 ◘ 1/4

- sockets and extension bars spiral-knurled
- extension bars with hexagon

- 1 reversible ratchet 1/4" with quick release button
- 1 universal joint
- 3 L-type wrenches
- 1 bit adaptor
- 1 spinner handle
- 3 extension bars 1/4"
- 12 sockets 1/4" drive 4-13 mm
- 24 bits 1/4": cross slot, plain slot, PZ, T-STAR (tamperproof), int. hexagon

In **double-blister** packaging

Item #
2144

PRO+ CV

41-piece Socket Set, 1/4" Drive, Pro Torque®

6.3 ◘ 1/4

- hardness and torque in accordance with DIN
- sockets in **pro torque®**finish

- 1 reversible ratchet 1/4" with quick release button
- 1 slid. tee bar
- 1 universal joint
- 1 spinner handle
- 2 extension bars 50 + 100 mm
- 3 L-type wrenches 1,5 - 3 mm
- 18 bit-sockets 1/4" drive: plain slot, cross slot, PZ, Int. hex., T-STAR (tamperproof)
- 14 sockets 1/4" drive: 3,5 - 14 mm

Item #
2241

PRO+ CV

46-piece Socket Set, DIN, 1/4"

6.3 ◘ 1/4

- T-Star sockets **NOT tamperproof**
- hardness and torque in accordance with DIN

- 1 adapter 1/4" ext. hex. x 1/4" ext. square head
- 1 spinner handle
- 2 extension bars 50 + 100 mm
- 1 universal joint
- 1 sliding t-bar
- 1 flexible extension bar
- 1 reversible ratchet with quick-release button
- 3 L-type wrenches for int. hexagon: 1,5 - 2 - 3 mm
- 6 T-Star bit-sockets 1/4" drive (NOT tamperproof): T-8 - T-30
- 11 bit-sockets 1/4" drive; plain + cross slot, PZ, int. hex.
- 13 "super lock" sockets 1/4" drive: 4 mm - 14 mm

Item #
2145

PRO+ CV

46-piece Socket Set, 1/4"

6.3 ◘ ¼

- T-Star sockets **tamperproof**
- hardness and torque in accordance with DIN

- 1 adapter 1/4" ext. hex. x 1/4" ext. square head
- 1 spinner handle
- 2 extension bars 50 + 100 mm
- 1 universal joint
- 1 sliding t-bar
- 1 flexible extension bar
- 1 reversible ratchet with quick-release button
- 3 L-type wrenches for int. hexagon: 1,5 - 2 - 3 mm
- 6 T-Star bit-sockets 1/4" drive (tamperproof): T-8 - T-30
- 11 bit-sockets 1/4" drive; plain + cross slot, PZ, int. hex.
- 13 "super lock" sockets 1/4" drive: 4 mm - 14 mm

Item #
2146

PRO+ CV

39-piece Gear Lock Socket Set, 1/4"

6.3 ◘ ¼

- hardness and torque in accordance with DIN
- the special "gear-lock-profile" provides universal use of 3-pt, 4-pt, 6-pt, 12-pt und T-STAR, in metric and inch sizes
- misc. bits and accessories
- for hex. and double hex. 4,0-14,0 mm, 5/32"-1/2", E5-E6-E8-E10-E12-E14-E16-E18

Item #
2151

PRO+ ZOLL/SAE CV

61-piece Socket Set, 3/8"

10 ■ 3/8

- hardness and torque in accordance with DIN

- bit sockets: T15-T20-T25-T27-T30-T40-T45-T50-T55
- cross slot # 1-3, PZ-type # 1-3
- plain slot 5,5 -7-8mm, int. hex. 3-7, 8, 10 mm
- "Super Lock" sockets, 6-24 mm, hexagon
- 10 deep "Super Lock" sockets 8-19 mm
- 2 spark plug sockets 21 & 16 mm
- 1 universal joint 3/8" with **spring**
- 1 slid. tee bar/extension bar 250mm
- 1 wobble extension bar 75 mm
- **1 fine 72 tooth reversible ratchet**
- 1 adaptor 3/8" square head x 8 mm hexagon

Item #
2229

PRO+ CV

61-piece Socket Set, 3/8", in INCH

10 ■ 3/8

- hardness and torque in accordance with DIN

- bit sockets: T15-T20-T25-T27-T30-T40-T45-T50-T55
- cross slot # 1-3, PZ-type # 1-3
- plain slotted bits 7/32"-15/16"
- bits for int. hex. bolts 1/8"-3/8"
- "Pro Torque" sockets 1/4"-15/16"
- 10 deep "Pro Torque" sockets 5/16"-3/4"
- 2 spark plug sockets 5/8" + 13/16"
- 1 universal joint 3/8" with **spring**
- 1 slid. tee bar/extension bar 250mm
- 1 wobble extension bar 75 mm
- **1 fine 72 tooth reversible ratchet**
- 1 adaptor 3/8" square head x 8 mm hexagon

Item #
2215

PRO+ ZOLL/SAE CV

26-piece Socket Set, 3/8"

10 ◘ 3/8

- hardness and torque in accordance with DIN
- "Super Lock" sockets

- 18 sockets 6-24 mm hex., spiral-knurled, satin chrome plated
- 3 extension bars 45-75-150 mm hexagon
- 2 spark-plug-sockets 16+21 mm
- 1 universal joint
- reversible ratchet with "quick release" button
- adaptor 3/8-1/2"

Item #
2227

PRO+ CV

16-piece "Go-Thru"-Socket Set

For operating nuts on extremely long bolts

- Ratchet, sockets and extension bar with piercing drill hole
- 1 fine 72 tooth reversible ratchet with 19 mm internal hexagon-reception
- 13 special sockets 10-24 mm, go-thru type
- 1 special extension bar 75 mm, go-thru type
- 1 adaptor 1/2" drive and 3/8" drive each with "quick release" for combinational use with ordinary sockets

Packed in an aluminium case

Item #
2180

PRO+ CV

Go-Through Ratchet with Spud Wrench

12.5 ◘ 1/2

- 3/8" - 7/16" - 1/2" - 5/8" - 13/16" spud wrench
- 1/2" square drive adapter
- satin chrome finish

Item #
314

PRO+ CV

27-piece Socket Set, 1/2", 8-32 mm

12.5 ■ ½

- hardness and torque according to DIN

- sockets in Pro Torque® finish
- fine 72 tooth reversible ratchet
- 2 wobble type extension bars 125 + 250 mm

- 1 adapter for extension bars
- 1 universal joint
- 2 spark plug sockets 16 + 21 mm
- 20 sockets Pro-Torque®, 8 mm - 32 mm

Item #
2224

PRO+ CV

27-piece Socket Set, 1/2", in INCH

12.5 ■ ½

- hardness and torque according to DIN
- sockets in **Pro-Torque®**finish
- fine 72 tooth reversible ratchet
- 2 wobble type extension bars 125 + 250 mm

- 1 adapter for extension bars/ sliding T-handle
- 2 spark plug sockets 5/8" + 13/16"
- 20 sockets "Pro-Torque®":
  5/16"-11/32"-3/8"-7/16"-15/32"-1/2"-9/16 "-19/32 -5/8"-21/32"-
  11/16"-3/4"-25/32"-13/16"-7/8"-15/16"-1"-1 1/16"-1 3/16"-1 1/4"

Item #
2216

PRO+ ZOLL/SAE CV

14-piece Socket Set, 3/4"

20 ■ ¾

- forged
- 10 hexagon sockets
  22-24-27-30-32-36-38-41-46-50 mm
- 1 reversible ratchet 500 mm
- 1 sliding tee bar 450 mm
- 2 extension bars 100 - 200 mm
- chrome plated

Item #
1206

PRO+

21-piece Socket Set, 3/4"

20 ◘ ¾

- hardness and torque in accordance with DIN
- **Pro-Torque®** sockets
- 16 hexagon sockets
  19-21-22-23-24-26-27-30-32-34-36-38-41-46-48-50 mm,
- 1 reversible ratchet 500 mm with quick release button, black finish head
- 3 extension bars 100 - 200 - 400 mm
- 1sliding tee bar 450 mm

Item #
1207

PRO+ CV

21-piece SAE Socket Set, 3/4"

20 ◘ ¾

- hardness and torque in accordance with DIN
- **12-point** sockets
  7/8", 15/16", 1", 1 1/16", 1 1/8", 1 3/16", 1 1/4", 1 5/16"
  1 3/8", 1 7/16", 1 1/2", 1 5/8", 1 3/4", 1 13/16", 1 7/8", 2"
- 1 reversible ratchet 500 mm with quick release button, black finish head
- 3 extension bars 100 - 200 - 400 mm
- 1sliding tee bar 450 mm

Item #
1107

PRO+ ZOLL/SAE CV

21-piece Impact Socket Set, 3/4"

20 ◘ ¾

- for everyday workshop use
- sliding handle length: 450 mm
- quick-release ratchet handle with screwed shank, 505 mm
- extensionbars in 105 and 250 mm length
- universal joint 105 mm
- 3/4" sockets, 6-pt., with hole and groove: 19, 21, 22, 23, 24, 26, 27, 29, 32, 35, 36, 38, 41, 46 and 50 mm
- all parts can be used with 3/4" impact wrench, it is not necessary to buy additional air impact sockets

Item #
5258

PRO+ CRO MO

15-piece Socket Set, 1"

25 ◘ 1

- 24 tooth reversible ratchet
- 2 extension bars 200mm & 400 mm
- with 500 mm long sliding tee bar incl. adaptor for loosening stuck nuts
- length of the ratchet approx. 680 mm
- 10 hex. sockets 36-41-46-50-55-60-65-70 -75-80 mm
- premium quality
- especially for use in farming and heavy duty

Item #
1210

PRO+

48-piece Stainless Steel Tool Set

- ideal for outdoor use and use in the food industry
- made of stainless steel
- includes following tools:

- screwdriver Set
- screwdriver 3 x 75 mm, 6 x 100 mm
- PH and PZ screwdriver: #1 x 75 mm, #2 x 100 mm

- bit set
- T-Profile: T10 - T15 - T20 - T25 - T30 - T40
- int. hex. bits: 4 - 5 - 6 mm
- PH and PZ bits: #1 - #2 - #3
- slotted: 5.5 - 6.5 mm
- bit holder with locking mechanism

- int. hex. wrench set
- extra long with ball head
- sizes: 1.5 - 2 - 2.5 - 3 - 4 - 5 - 6 - 8 - 10 mm
- in the usable holder

- magnetic bit screw driver

Item #
7951

PRO+

99-piece Socket Set / Tool Case, 1/2" + 1/4"

12.5 ½ | 6.3 ¼

- hardness and torque in accordance with DIN
- "industry finish"
- ProTorque® sockets
- 1/4" and 1/2" drive

- 1 hammer, 1 spinner handle 1/4", 1 auto test lamp
- 1 bit holder 1/4" drive
- 1 water pump pliers 240 mm, 1 combination pliers 180 mm
- 1 crimping tool, 1 crimping terminal set
- 2 stubby screwdrivers: PH 2 + plain slot 6 mm
- 2 universal joints 1/4" + 1/2"
- 2 spark plug sockets 16+21 mm
- 2 wobble type extension bars 125 mm; 1/4" + 1/2"
- 3 screwdrivers: PH2x100 mm, plain slot 6x100 mm, 8x 200 mm
- 3 bits 1/4" drive PH # 1-3
- 3 bits 1/4" drive PZ # 1-3
- 3 bits 1/4" drive plain slot 4,5 - 7 mm
- 4 L-type wrenches, int. hex.1,5 - 3 mm
- 5 bits 1/4" drive T-Star, T15 - T40
- 10 sockets 1/4" drive, 4 mm - 13 mm
- 15 sockets 1/2" drive, 10 mm - 32 mm
- 8 combination spanners 10 - 11 - 12 - 13 - 14 - 15 - 17 - 19 mm

Item #
2201

PRO+ CV

Professional Tool Set in Aluminum Case, 149 pcs.

12.5 ½ | 6.3 ¼

- 1/4" + 1/2" ratchets
- Sockets 1/4", Super Lock:
  4-4,5-5-5,5-6-7-8-9-1 0-11-12-13-14 mm
- Sockets 1/2", Super Lock:
  10-13-14-16-17-18-19-20-22-24-27-30-32 mm
- Spinner handle 1/4", Universal joint 1/4" + 1/2"
- Extension bar 1/4", 50 + 100 mm and 1/2", 125 + 250 mm
- Sliding T-part 3/8" inside to 1/2" outside
- 1/4" Adapter with retaining ball for 1/4" Bits
- Machinists hammer 300 g, HICKORY handle, DIN 1041
- Measuring tape 5 m, 19 mm, EEC
- Hex key wrench, satin finished, in foldable holder,
  1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm
- T-Star-wrench, satin finished, in foldable holder,
  T10 - T15 - T20 - T25 - T27 - T30 - T40 - T45 - T50
- Screwdriver PH 1 x 75 mm and PH 2 x 100 mm
- Screwdriver slotted 5,0 x 0,8 x 75 mm and 6,5 x 1,2 x 100 mm
- 200 mm magnetic holder for bits 1/4"
- 1/4" bits assortments, color coded
  - PZ 1 - 2 - 3 and PH 1 - 2 - 3
  - Slotted 3 - 4 - 5 - 6 mm
  - T-Star T10 - T15 - T20 - T25 - T27 - T30 - T40
  - Hex 3 - 4 - 5 - 6 mm
  - bit holder with 1/4" drive for 1/4" bits
  - quick release bit holder
- Retractable knife 18 mm
- 140 mm voltage tester, with holding clip, 125 - 250V
- 300 mm water level, 3 vials, aluminum; 250 mm tower pincer
- 250 mm water pump pliers, 180 mm universal scissor
- 180 mm combination pliers, 160 mm long nose pliers
- 160 mm diagonal cutting pliers, 235 mm crimping pliers
- Terminals assortment, 30-piece
- CR-V combination wrenches, chrome plated, heads polished
  8 - 10 - 11 - 12 - 13 - 15 - 17 - 19 mm
- adjustable wrench 8"
- Circlip pliers (internal) 165 mm and Circlip pliers (external) 165 mm
- 260 mm hack saw, for 150 mm blades (3 blades included)

Item #
15501

PRO+ CV

Roller Cabinet, BGS 4100 with 293 Tools

- 7 ball bearing smooth running drawers, 100 % extendable
- heavy duty ball bearing castors, 2 with locking function
- cabinet lockable through central lock
- practical work plate with antislip plastic-plate
- equipped with pro+ workshop tools
- see BGS 4012, 4015, 4017, 4020 for content details
- also contains inch size tools
- size: 680 x 458 x 860 mm

Item #
4090

PRO+ ZOLL/SAE CV

Roller Cabinet BGS 2001, complete with 243 Tools

- 7 ball bearing smooth running drawers, 100 % extendable
- heavy duty ball bearing castors, thereof 2 castors lockable
- lockable through central lock
- practical work plate with antislip plastic-plate
- **equipped with pro+ workshop tools**
- **see item # 4011, 4012, 4014, 4015, 4017 for content details**
- size: 680x458x860 mm
- weight approx. 84.5 kg

Item #
4060

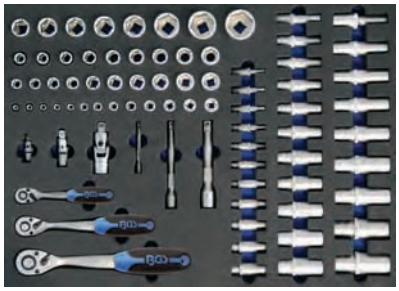
PRO+

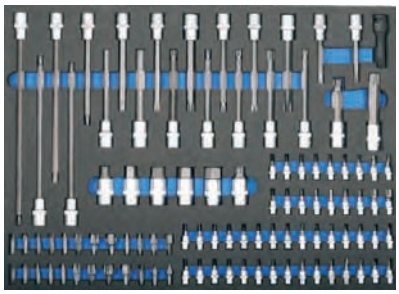
Roller Cabinet BGS 4100, complete with 296 Tools

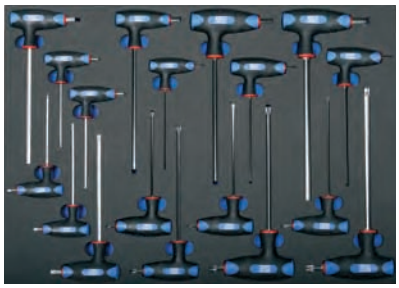
- heavy duty workshop finish
- heavy duty ball bearing castors, thereof 2 castors lockable
- lockable through central lock
- smooth-running, extendable, ball bearing drawers
- each drawer with additional safety lock
- foldable side shelf
- 8 drawers (2 extra big drawers), fully extendable
- practical work plate with storage boxes for small parts, tools etc.
- **fully equipped with pro+ workshop tools**
- **see item # 4010, 4011, 4012, 4013, 4014, 4015, 4016, 4017 for content details**
- size: 103,5 x 48 x 73 cm
- weight (including packing): 124.5 kg

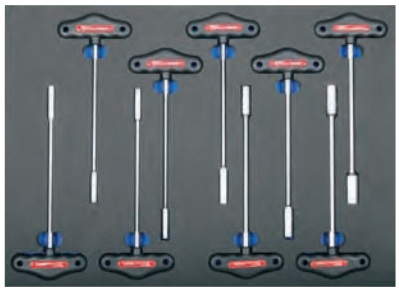
Item #
4050

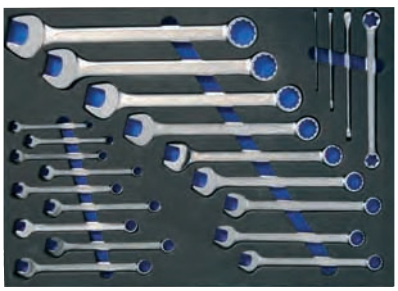
PRO +











11-piece Socket Set, 1/4", deep, 4-13 mm

6.3 ◘ 1/4

- Pro-Torque
- stepped top
- satin chrome plated, knurled
- 4-5-5,5-6-7-8-9-10-11-11-12-13 mm

Supplied on a socket rail

Item #
2221

PRO+ CV

8-piece Socket Set, 1/4", 4-13 mm, Stainless Steel

6.3 ◘ 1/4

- 4 - 5 - 6 - 7 - 8 - 10 - 12 and 13 mm, 6-pt.
- specially suitable for outside applications, and for the food industry
- up to 20% higher torque than standard material and up to three times longer life
- prevents rust on stainless steel screws

Item #
2157

PRO+

11-piece Deep Socket Set, 12-pt, 1/4"

6.3 ◘ 1/4

- 4 - 5 - 5.5 - 6 - 7- 8 - 9 - 10 - 11 - 12 - 13 mm
- satin chrome plated
- knurled
- in plastic holder

Item #
5251

PRO+ CV

10-piece Joint Socket Set, 1/4", double hexagon

6.3 ◘ 1/4

- chrome plated and polished
- 5-5,5-6-7-8-9-10-11-12-13 mm
- allows to operate screws which are difficult to access

Supplied on a socket rail

Item #
245

PRO+ CV

13-piece "Gear Lock" Socket Set, 1/4"

6.3 ◘ 1/4

- Gear Lock sockets are all-purpose: for hexagon and double hexagon in inch (5/32"-1/2") and metric (4-14 mm) sizes as well as for E-type E5-E18

Supplied on a socket rail

Item #
2150

PRO+ ZOLL/SAE CV

11-piece Socket Set, 1/4", in INCH

6.3 ◘ ¼

- Pro Torque® finish
- 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 15/32", 1/2"
- satin chrome plated

Supplied on a socket rail

Item #
2433

PRO+ ZOLL/SAE CV

12-piece Socket Set, 12-point, 1/4", in INCH

6.3 ◘ ¼

- **12 point** finish
- 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 15/32", 1/2", 9/16"
- satin chrome plated

Item #
2755

PRO+ ZOLL/SAE CV

11-piece Deep Socket Set, 1/4", in INCH

6.3 ◘ ¼

- Pro Torque® finish, extra deep
- 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 15/32", 1/2"
- satin chrome plated

Item #
2429

PRO+ ZOLL/SAE CV

7-piece T-STAR Sockets, 1/4" + 3/8"

6.3 ◘ ¼

- E6-7-8-10-12-14-16
- satin chrome plated, knurled

Item #
2027

PRO+ CV

12-piece T-STAR Sockets, 1/4" + 3/8"

6.3 ◘ ¼

- satin chrome plated
- knurled
- 1/4" drive: E 4-5-6-7-8
- 3/8" drive: E 10-11-12-14-16-18-20

Item #
2038

PRO+ CV

11-piece Deep Socket Set, 8-19 mm, 3/8"

10 ◘ 3/8

- satin chrome plated, knurled
- Pro-Torque hex.
- stepped top
- 8-10-11-12-13-14-15-16-17-18-19 mm

Item #
2222

PRO+ CV

11-piece Deep Socket Set, 12-pt., 3/8"

10 ◘ 3/8

- 8 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm
- satin chrome plated, knurled
- knurled
- in plastic holder

Item #
5252

PRO+ CV

11-piece Deep Socket Set, 3/8", in INCH

10 ◘ 3/8

- Pro Torque® finish
- 5/16", 1/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8"
- satin chrome plated

Item #
2756

PRO+ ZOLL/SAE CV

3/8" Universal Joint Sockets, "Pro Torque"

10 ◘ 3/8

- chrome plated, polished

PRO+ CV

Item #	Description
205	3/8" Universal Joint Socket Set, Pro Torque, 10-19 mm
2450	3/8" Universal Joint Socket, 10 mm
2451	3/8" Universal Joint Socket, 11 mm
2452	3/8" Universal Joint Socket, 12 mm
2453	3/8" Universal Joint Socket, 13 mm
2454	3/8" Universal Joint Socket, 14 mm
2455	3/8" Universal Joint Socket, 15 mm
2456	3/8" Universal Joint Socket, 16 mm
2457	3/8" Universal Joint Socket, 17 mm
2458	3/8" Universal Joint Socket, 18 mm
2459	3/8" Universal Joint Socket, 19 mm

3/8" Universal Joint Sockets, 10-19 mm

10 ◘ 3/8

- chrome plated, polished
- hex.
- 8-piece set 10-19 mm
- made by SEK Japan

In metal case

Item #
240

PRO+

9-piece Deep Socket Set, 10-24 mm, 1/2"

12.5 ◘ 1/2

- satin chrome plated, knurled
- Pro Torque® finish
- sizes: 10-13-15-16-17-18-19-22-24 mm

Item #
2223

PRO+ CV

9-piece Deep Socket Set, 12-pt., 1/2"

12.5 ◘ 1/2

- 10 - 13 - 15 - 16 - 17 - 18 - 19 - 22 - 24 mm
- satin chrome plated
- knurled
- in plastic holder

Item #
5253

PRO+ CV

10-piece Deep Socket Set, 1/2", in INCH

12.5 ◘ 1/2

- Pro Torque® finish
- 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4" 13/16", 7/8", 15/16"
- satin chrome plated, knurled

Item #
2435

PRO+ ZOLL/SAE CV

8-piece Whitworth Socket Assortment, 1/2"

12.5 ½

- Whitworth sizes:
  3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8"
- chrome vanadium steel, polished
- on metal cliprail
- specially for screws found on british vintage cars

Item #
2153

PRO+ CV

16-piece 1/2" Socket Set, 12-Point, 8-24 mm

12.5 ½

- satin chrome plated
- 12-pt
- content:
  8 - 9 - 10 - 11 - 12 - 13 - 14 - 15
  16 - 17 - 18 - 19 - 20 - 21 - 22 - 24 mm

Item #
2226

PRO+ CV

19-piece "Gear Lock" Set, 1/2"

12.5 ½

- hardness and torque in accordance with DIN
- the special "gear-lock-profile" provides
  universal use of hex., double hex., T STAR,
  metric and inch sizes
- 8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-24-27-30-32mm
- also fits T-star sockets (E10, E12, E14, E16, E18, E20, E22, E24),
  SAE sizes (5/16", 11/32", 3/8", 7/16", 15/32", 1/2", 9/16", 19/32"; 5/8",
  3/4", 25/32", 13/16", 7/8", 15/16", 1-1/16", 1-3/16", 1-1/4")
- for hexagon and double hexagon sockets

Item #
2152

PRO+ ZOLL/SAE CV

10-piece Socket Set, 1/2", in INCH

12.5 ½

- **Pro Torque®**-finish
- 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"
  13/16", 7/8", 15/16"
- satin chrome plated

Item #
2434

PRO+ ZOLL/SAE CV

9-piece 1/2" Deep Socket Set, suitable for E-Type Screws E10-E24

12.5 ½

- satin chrome plated
- knurled
- suitable for E-Type screws (approx. 80 mm long)
  E 10-11-12-14-16-18-20-22-24

Item #
2026

PRO+ CV

9-piece E-Type Sockets Set, E10-E24, 1/2"

12.5 ½

- satin chrome plated, knurled
- E10-11-12-14-16-18-20-22-24

Item #
6425

PRO+ CV

Protective Impact Socket Set, 1/2", 17, 19 and 21 mm

12.5 ½

- suitable for manual and impact wrench use
- with plastic cover for perfect protection of aluminium rims
- with groove and hole
- colored plastic covers help to indicate the right size
- length 85 mm

PRO+ CRO MO

Item #	Description
7300	Protective Sleeve Impact Socket Set, 1/2", 17, 19 and 21 mm
7304	Plastic Cover (blue) for 17 mm Impact Socket from BGS 7300
7305	Plastic Cover (yellow) for 19 mm Impact Socket from BGS 7300
7306	Plastic Cover (red) for 21 mm Impact Socket from BGS 7300

3-piece Protective Impact Sockets Set, 1/2" with Plastic Cover, 17-19-21 mm

12.5 ½

- suitable for both, manual and impact wrenches
- with plastic cover for perfect protection of aluminium rims
- with ball retaining groove and hole
- color coded
- length 85 mm

Item #
7200

PRO+ CRO MO

5-piece Protective Impact Sockets Set, 1/2", 15-17-19-21-22 mm

12.5 ■ ½

- suitable for both, manual and impact wrenches
- with plastic cover for perfect protection of aluminium rims
- with ball retaining groove and hole
- color coded
- length 85 mm

Item #
7199

PRO+ CRO MO

3-piece Protective Impact Sockets 1/2", 17-19-21 mm, 150 mm deep

12.5 ■ ½

- extra long for deep centre rims
- suitable for both, manual and impact wrenches
- with plastic cover for perfect protection of aluminium rims
- color coded
- with ball retaining groove and hole

Item #
7100

PRO+ CRO MO

3-piece 1/2" Torsion Air Impact Wrench Sockets Set, 17-19-21 mm

12.5 ■ ½

- completely new model, improved hydraulic system
- torque limited to ca. 115 NM when tightening (depends on power of torque wrench)
- prevents from tightening the screw to hard
- full torque for loosening
- special protection of rim & tire by torque limiter and additional plastic cover
- torque needs to be checked with torque wrench
- colour marked for easy locating: blue: 17 mm, yellow: 19 mm, red: 21 mm

Item #
7110

PRO+ CRO MO

3-piece Torsion Air Impact Wrench Socket Set, 1/2", 17-19-21 mm, extra long

12.5 ■ ½

- extra long, 150 mm
- completely new model, improved hydraulic system
- torque limited to ca. 115 NM when tightening (depends on power of torque wrench)
- prevents from tightening the screw to hard
- full torque for loosening
- special protection of rim & tire by torque limiter and additional plastic cover
- torque needs to be checked with torque wrench
- colour marked for easy locating: blue: 17 mm, yellow: 19 mm, red: 21 mm

Item #
7115

PRO+ CRO MO

4-piece Impact Universal Joint Socket Set, 1/2"

12.5 ½

- sizes: 16 mm, 17 mm, 18 mm, 19 mm
- 1/2" drive
- length 65 mm
- can be fixed on impact wrench by pin and O-ring
- especially suitable for use with air tools

Item #
5200

PRO+ CRO MO

10-piece 1/2" Deep Impact Sockets Set, 38 mm deep

12.5 ½

- sizes: 10-12-13-14-15-17-19-21-22-24 mm
- sockets with hole for ball locking
- especially suitable for use with air tools

Item #
5205

PRO+ CV

1/2" Deep Impact Sockets, 10-24 mm, 10-piece Set

12.5 ½

- phosphated finish
- with groove and hole
- sizes: 10-12-13-14-15-17-19-21-22-24 mm
- single sizes available under item# 7210 - 7236
- especially suitable for use with air tools

Item #
5206

PRO+ CRO MO

14-piece 1/2" Impact Socket Set, 10-32 mm

12.5 ½

-Pro Torque finish
- 10-12-13-14-15-17-18-19-21-22-24-27-30-32 mm
- length approx. 75 mm

Item #
5207

PRO CRO MO

6-piece Drive Shaft Socket Set

12.5 ½

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

Item #
5334

PRO+ CRO MO

8-piece Drive Shaft Socket Set

12.5 ½

- sockets in 8 piece set: 27-30-32-34-36 mm
- int. hex.: 14 - 17 - 19 mm
- especially suitable for use with air tools

All sockets and further sizes available separately.

PRO+ CRO MO

Item #	Description
5335	8-piece Drive Shaft Socket Set
5343	1/2" Impact Socket, 12-point, 24 mm
5336	1/2" Impact Socket, 12-point, 27 mm
5337	1/2" Impact Socket, 12-point, 30 mm
5338	1/2" Impact Socket, 12-point, 32 mm
5339	1/2" Impact Socket, 12-point, 33 mm
5340	1/2" Impact Socket, 12-point, 34 mm
5341	1/2" Impact Socket, 12-point, 35 mm
5342	1/2" Impact Socket, 12-point, 36 mm
5344	1/2" Impact Socket, 12-point, 38 mm

6-piece T-Star / E-Type Sockets, extra long, E10-20

12.5 ½

- E 10 - 12 - 14 - 16 - 18 - 20
- Length: 140 mm
- with backstop
- single E12 x 150 mm also available: item# 2020

Item #
2028

PRO+ CV

8-piece 3/4" Impact Socket Set, 22-38 mm

20 ¾

- with groove and hole
- short finish
- length 56 mm
- 22-24-27-28-30-32-36-38 mm
- especially suitable for use with air tools

Item #
5240

PRO+ CV

8-piece 3/4" Impact Socket Set, 22-38 mm, extra deep

20 ¾

- black finish
- with groove and hole
- 22-24-27-28-30-32-36-38 mm, length 90 mm
- especially suitable for use with air tools

Packed in a plastic carrying case

Item #
5241

PRO+ CV

8-piece 1" Impact Socket Set, extra deep finish, 27-50 mm

25 1

- sizes: 27-30-32-36-38-41-46-50 mm
- with ball retaining groove and hole
- phosphated
- especially suitable for use with air tools

In metal case with handle

Item #
5245

PRO+ CRO MO

Sockets Pro Torque®, hexagon

PRO+ CV

mm	6.3 ¼ short	6.3 ¼ long	10 ⅜ short	10 ⅜ long	12.5 ½ short	12.5 ½ long	20 ¾ short	25 1 short
3,5	2473							
4	2474	10504						
4,5	2475							
5	2476	10505						
5,5	2477	10503						
6	2478	10506						
7	2479	10507						
8	2480	10508		10528	2908			
9	2481	10509			2909			
10	2482	10510	10610	10530	2910	10550		
11	2483	10511	10611	10531	2911			
12	2484	10512	10612	10532	2912			
13	2485	10513	10613	10533	2913	10553		
14	2486	10514	10614	10534	2914			
15			10615	10535	2915	10555		
16			10616	10536	2916	10556		
17			10617	10537	2917	10557		
18			10618	10538	2918	10558		
19			10619	10539	2919	10559	3419	
20					2920			
21					2921		3421	
22					2922	10562	3422	
24					2924	10564	3424	
27					2927		3427	
30					2930		3430	
32					2932		3432	
33							3433	
34					2934		3434	
35							3435	
36					2936		3436	3736
38							3438	
41							3441	3741
42							3442	
44							3444	
46							3446	3746
50							3450	3750
55							3455	3755
60								3760
65								3765
70								3770
75								3775
80								3780

Hexagon, Inch sizes

PRO+ CV ZOLL/SAE

Zoll	6.3 ¼ short	6.3 ¼ long	12.5 ½ short
5/32"	10650		
3/16"	10651		
7/32"	10652		
1/4"	10653	10670	
9/32"	10654		
5/16"	10655	10671	
11/32"	10656		
3/8"	10657	10672	2770
7/16"	10658	10673	2771
1/2"	10659	10674	2772
9/16"			2773
5/8"			2774
11/16"			2775
3/4"			2776
13/16"			2777
7/8"			2778
15/16"			2779

12-point

PRO+ CV

mm	12.5 ½ short	12.5 ½ long
8	10628	
9	10629	
10	10630	10680
11	10631	
12	10632	
13	10633	10681
14	10634	
15	10635	10682
16	10636	10683
17	10637	10684
18	10638	10685
19	10639	10686
20	10640	
21	10641	
22	10642	10687
24	10644	10688

Impact Sockets Pro Torque®, hexagon

PRO+ CRO MO

mm	12.5 ½ short	12.5 ½ long	20 ¾ short	20 ¾ long	25 1 short
10	5210	7210			
11	5211	7211			
12	5212	7212			
13	5213	7213			
14	5214	7214			
15	5215	7215			
16	5216	7216			
17	5217	7217	5617	5717	
18	5218	7218	5618	5718	
19	5219	7219	5619	5719	
20	5220				
21		7221	5621	5721	
22	5222	7222	5622	5722	
24	5224	7224	5624	5724	
26			5626	5726	
27	5227	7227	5627	5727	5827
30	5230	7230	5630	5730	5830
32	5232	7232	5632	5732	5832
33			5633	5733	5833
34			5634	5734	5834
35			5635		5835
36		7236	5636	5736	5836
38			5638	5738	5838
41	5233		5641	5741	5841
46	5234		5646	5746	5846
50			5650	5750	5850
55			5655	5755	5855
60			5660	5760	5860
65					5865
70					5870
75					5875
80					5880
85					5885
95					5895
105					5905

Sockets Super Lock

PRO+ CV

mm	6.3 ¼ short	6.3 ¼ long	10 ⅜ short	10 ⅜ long	12.5 ½ short	12.5 ½ long
4	2344	2964				
4,5	2339					
5	2345	2965				
5,5	2343					
6	2346	2966	2366			
7	2347	2967	2367			
8	2348	2968	2368	2610	2408	
9	2349	2969	2369	2611	2409	
10	2350	2970	2370	2600	2410	
11	2351	2971	2371	2601	2411	
12	2352	2972	2372	2602	2412	
13	2353	2973	2373	2603	2413	2943
14	2354	2974	2374	2604	2414	2944
15			2375	2605	2415	2945
16			2376	2606	2416	2946
17			2377	2607	2417	2947
18			2378	2608	2418	2948
19			2379	2609	2419	2949
20			2380		2420	
21			2381		2421	2951
22			2382		2422	2952
24			2384		2424	
27					2427	
30					2430	
32					2432	

Sockets Gear Lock

PRO+
CV

mm	6.3 (1/4) short	6.3 (1/4) long	10 (3/8) short	10 (3/8) long	12.5 (1/2) short	12.5 (1/2) long
4	10104	10154				
4,5	10101					
5	10105	10155				
5,5	10102					
6	10106	10156				
7	10107	10157				
8	10108	10158			10208	
9	10109	10159			10209	
10	10110	10160	10310	10350	10210	
11	10111	10161	10311	10351	10211	
12	10112	10162	10312	10352	10212	
13	10113	10163	10313	10353	10213	
14	10114		10314	10354	10214	10254
15			10315	10355	10215	10255
16			10316		10216	10256
17			10317		10217	10257
18			10318		10218	10258
19			10319		10219	10259
20					10220	
21					10221	
22					10222	
24					10224	
27					10227	
30					10230	
32					10232	

Sockets E-Type

PRO+
CV

mm	6.3 (1/4) short	10 (3/8) short	12.5 (1/2) short	12.5 (1/2) long
E4	6404	2710		
E5	6405	2711		
E6	6406	2712		
E7	6407	2713		
E8	6408	2714		
E10	6430	6410	6460	6440
E11	6431	6411	6461	
E12		6412	6462	6442
E14		6414	6464	6444
E16		6416	6466	6446
E18		6417	6418	6448
E20		2715	6420	6450
E22			6422	
E24			6424	

3/8" Multi Socket, 9-21 mm

10 ◘ 3/8

- suitable for all hexagon nuts and inch sizes
- 9-21 mm

Item #
2533

PRO ZOLL/SAE CV

Multi Socket Tool

- suitable for the following nut sizes:
  - Hexagon: 8-10-11-13-14-16-17 mm
  - E-Star: E10-E12-E14-E16-E18-E20-E22
  - inch screws:
    5/16" - 3/8" - 7/16" - 1/2" - 9/16" - 5/8" - 11/16"
- holder for 1/4" bits

Item #
8398

PRO+ CV

Impact Universal Joint Sockets, 1/2"

12.5 ◘ 1/2

- for impact use
- length 65 mm
- can be fixed on impact wrench by pin and O-ring
- 4-pcs set is BGS item Nr. 5200

PRO+ CRO MO

Item #	Description
5200-16	Impact Universal Joint Socket, 1/2", 16 mm
5200-17	Impact Universal Joint Socket, 1/2", 17 mm
5200-18	Impact Universal Joint Socket, 1/2", 18 mm
5200-19	Impact Universal Joint Socket, 1/2", 19 mm

Protective Impact Sockets 1/2" with Plastic Coating

12.5 ◘ 1/2

- suitable for both, manual and impact wrenches
- with plastic cover for perfect protection of aluminium rims
- with ball retaining groove and hole
- color coded
- length 85 mm
- 3-piece set is BGS 7200, 5-piece set is BGS 7199

PRO+ CRO MO

Item #	Description
7207	Protective Impact 1/2" with Plastic Coating, 15 mm
7201	Protective Impact 1/2" with Plastic Coating, 17 mm
7202	Protective Impact 1/2" with Plastic Coating, 19 mm
7203	Protective Impact 1/2" with Plastic Coating, 21 mm
7208	Protective Impact 1/2" with Plastic Coating, 22 mm

1/2" Protective Impact Sockets, extra long

12.5 ■ ½

- length 150 mm
- suitable for both, manual and impact wrenches
- with plastic cover for perfect protection of aluminium rims
- with ball retaining groove and hole
- color coded
- 3-piece set is BGS 7100

PRO+ CRO MO

Item #	Description
7101	1/2" Protective Impact Socket, 150 mm long, 17 mm
7102	1/2" Protective Impact Socket, 150 mm long, 19 mm
7103	1/2" Protective Impact Socket, 150 mm long, 21 mm

1/2" Torsion Air Impact Wrench Sockets

12.5 ■ ½

- completely new model, improved hydraulic system
- torque limited to ca. 115 NM when tightening (depends on power of torque wrench)
- prevents from tightening the screw to hard
- full torque for loosening
- special protection of rim & tire by torque limiter and additional plastic cover
- torque needs to be checked with torque wrench
- colour marked for easy locating: blue: 17 mm, yellow: 19 mm, red: 21 mm

PRO+ CRO MO

Item #	Description
7111	Torsion Air Impact Wrench Socket, 17 mm, torque-limited 115 NM
7112	Torsion Air Impact Wrench Socket, 19 mm, torque-limited 115 NM
7113	Torsion Air Impact Wrench Socket, 21 mm, torque-limited 115 NM

Protective Plastic Cover, loose

- wear part for all protective sockets

PRO+

Item #	Description
7204	Protective Plastic Cover, loose, 17 mm
7205	Protective Plastic Cover, loose, 19 mm
7206	Protective Plastic Cover, loose, 21 mm
7209	Protective Plastic Cover, loose, 15 mm
7198	Protective Plastic Cover, loose, 22 mm

Bits

		6.3 ⬢ 1/4		8 ⬢ 5/16	10 ⬢ 3/8			14 ⬢
		25 mm	50 mm	30 mm	30 mm	75 mm	100 mm	75 mm
T-Star	T7	8217						
	T8	8208						
	T9	8209						
	T10	8190		8160	4866	4566		
	T15	8191	4590	8161	4868	4568		
	T20	8192	4591	8167	4869	4569		
	T25	8193	4592	8162	4870	4570		
	T27	8194		8169	4867	4567		
	T30	8195	4593	8163	4871	4571		
	T40	8196		8164	4873	4572		
	T45	8197		8165	4872	4573		
	T50			8166	4874	4574		
	T55			8168	4875	4575		
	T60			4456	4876			4576
	T70			4457				4581
T-Star Tamperproof	T7	2436						
	T8	2437						
	T9	2438						
	T10	2439		4410	4610	4710		
	T15	2440		4415	4615	4715		
	T20	2441		4420	4620	4720		
	T25	2442	4594	4425	4625	4725		
	T27	2443		4427	4627	4727		
	T30	2444		4430	4630	4730		
	T40	2445		4440	4640	4740		
	T45		4595	4445	4645	4745		
	T50			4450	4650	4750		
	T55			4455	4655	4755		
	T60			4460	4660			
	T70			4458	4670			
Philips	PH # 1	8185						
	PH # 2	8186						
	PH # 3	8187		4383				
	PH # 4	8188		4384				
Pozidrive	PZ # 1	8170						
	PZ # 2	8172						
	PZ # 3	8173		4385				
	PZ # 4	8174		4386				
Plain Slot	4,5 mm	8198						
	5,5 mm	8199						
	7 mm	8189						
	8 mm			4380				
	10 mm			4381				
	12 mm			4382				
Internal Hexagon	3 mm	8176						
	4 mm	8177			4950	4959		
	5 mm	8178			4951	4960		
	6 mm	8179			4952	4961		
	7 mm	8182		4387	4953	4962		
	8 mm	8180		4388	4954	4963		
	10 mm	8181		4389	4955	4964		
	12 mm			4390	4956	4965		
	14 mm			4391	4957	4966		
Spline	M5				4850	4859		
	M6				4851	4860		
	M8				4852	4861		
	M10				4853	4862		
	M12				4854	4863		
	M14					4864		
Ribe	M5				4760		4770	
	M6				4761		4771	
	M7				4762		4772	
	M8				4763		4773	
	M9				4764		4774	
	M10				4765		4775	
	M10,3				4766		4776	
	M11				4767		4777	
	M12				4768		4778	
	M13						4779	
	M14						4780	

PRO +

CV

18-piece Color Code Bit Set, Stainless Steel

6.3 ◘ 1/4

- includes following bit sizes:
  - T-Star: T10 - T15 - T20 - T25 - T30 - T40
  - internal hexagon: 4 - 5 - 6 mm
  - PH and PZ: 1 - 2 - 3
  - plain slot: 5.5 - 6.5 mm
- bit holder with locking mechanism
- especially suitable for working outside and in the food industry
- up to 20% higher torque than standard material and up to three times longer life
- prevents rust on stainless steel screws

Item #
4817

PRO+

32-piece Color-Bit-Set

- **S2 steel**
- **intelligent color guide**:
  one color for each profile
- 30 bits, 25 mm long:
  slot 3-4-5-6 mm
  PH 1-2-2-3
  PZ 1-2-2-3
  Internal Hexagon 3-4-5-6 mm
  T 10-15-20-25-27-30-40
  T 10-15-20-25-27-30-40 (tamperproof)
- 1 bit adapter
- 1 quick chuck bit holder

Item #
4816

PRO+ CV

71-piece Color-Bit-Set

- **S2 steel**
- **intelligent color guide**:
  one color for each profile
- 60 bits, 25 mm long:
  3x slot 4 mm, 3x Slot 6 mm
  3x PH 1, 6x PH 2, 3x PH 3
  3x PZ 1, 6x PZ 2, 3x PZ 3
  3x 4 mm, 3x 5 mm, 3x 6 mm Internal Hexagon
  3x T10, 3x T15, 3x T20, 3x T25, 3x T27, 3x T30, 3x T40
- 9 bits, 75 mm long:
  slot 4 mm, slot 6 mm
  PH 1, PH 2, PH 3
  PZ 1, PZ 2
  T20, T25
- 1 bit holder with quick chuck
- 1 bit holder with magnet

Item #
4815

PRO+ CV

100-piece Security Bit Set 1/4"

- 1 magnetic bit holder, 60 mm
- 1 hook driver bit
- 1 bit adaptor 1/4" hexagon x 1/4" square
- 1 bit holder 1/4" drive for 1/4" bits
- 1 bit holder for drilling machine
- 95 bits: plain slot, cross slot, T-Star, Pozi®, Internal Hexagon, Spline, Robertson, Spanner®, Torque®, Tri Wing®, Clutch

Item #
765

PRO+ CV

50-piece Bit Set for Security Screws

- suitable for machine-drive
- the countersank guarantee excellent use, even in narrow or very tight spaces, especially in electronic engineering
- length: 75 mm each
- 1/4" hex. drive

- 1 magnetic bit-holder
- T STAR tamperproof: T8-10-15-20-25-17-30-35-40
- T STAR: T 10-15-20-25-30
- int. hex. tamperproof: 2-2,5-3-4-5-6 mm
- int. hex.: 4-5-6 mm
- plain slot: 4-5-6 mm
- cross slot: PH # 1, PH # 2
- PZ-type: PZ # 1, PZ # 2
- spline bits M5-M6-M8
- open end spanner bits 4-5-6-8-10 mm
- tri-wing bits No 1-2-3-4 mm
- four wing bits No 6-8-10 mm
- int. square head S1, S2

Item #
757

PRO+ CV

122 piece Universal Bit Set

- 200 mm spinner handle with anti slip function
- 121 bits and accessories:
  - Bit Holder, Hook Driver Bit, 50 mm Socket Adapter
  - 1/4" x 1/4" - Bit Adapter and 1/4" x 1/4" - Socket Adapter
  - 20x38 mm Socket-Bits: 4-5-6-7-8-9-10-11-12-13 mm and 5/32" - 3/16" - 7/32" - 1/4" - 9/32" - 11/32" - 5/16" - 3/8" - 7/16" - 1/2"
  - 67x25 mm bit: TS10-15-20-25-27-30-40-45-50
  - slotted: 3-4-4.5-5-5.5-6-6.5-7-8 mm
  - PH00-0-1-2-3 und PZ00-0-1-2-3
  - internal hexagon: 1.5-2-2.5-3-4-5-5,5-6-8 mm and 1/16"-5/64"-3/32"-7/64"-1/8"-9/64"-5/32"-3/16"-7/32"-1/4"
  - T-Star: T5-T6-T7-T8-T9-T10-T15-T20-T25-T27-T30-T40-T45
  - Spline: M5-M6-M8 and Int. Square S0-S1-S2-S3
  - Internal Hexagon tamperproof: 2-2.5-3-4-5-6mm
  - T-Star 6-8-10; Spanner 4-6-8-10; 3-Wing1-2-3-4
  - T-Star tamperproof T8-10-15-20-25-27-30-35-40
  - Clutch C1-C2-C3

Item #
20100

PRO+ CV

17-piece T STAR Bit & Socket Set

- tamperproof security system bits
- sockets E 6-7-8 (1/4") 10-12-14-16 (3/8" drive)
- 9 bits T 10-15-20-25-30-40-45-50-55 (5/16" drive)
- bit adaptor 3/8" x 5/16" hex.

Item #
5023

PRO+ CV

30-piece T STAR Bit & Socket Set

- E4-E24-1/4" + 3/8"
- T20-T55 x 30 mm bits
- T20-T55 x75 mm bits
- adaptor 1/4" + 3/8"
- satin chrome plated

Item #
5025

PRO+ CV

22-piece Ribe Bit Set

- suitable for M5-M6-M7-M8-M9-M10-M11-M12-M13
- one 30 mm and one 100 mm bit with 10 mm hex. reception each
- additonally one 100 mm M14 and one 100 mm M10,3 bit
- incl. 1/2" and 3/8" bit adaptor

Item #
5013

PRO+ CV

26-piece Bit Set for T STAR , tamperproof

- tamperproof bits
- bits 10 mm hex.
- T 10-15-20-25-27-30-40-45-50-55-60-70x30 mm
- incl. 1 adaptor 3/8" and 1/2" drive

Item #
5022

PRO+ CV

56-piece Allround Screwdriver Set

- suitable for T STAR, int. hex., XZN screws
- 2 adaptor 1/2" & 3/8" for 10 mm bits

Item #
5026

PRO+ CV

40-piece Combination Bit Set

- 14 int. hex. bits 4-5-6-7-8-10-12 mm short+long
- 14 special- T-bits T 20-25-30-40-45-50-55 short+long
- 10 spline bits, M 5-6-8-10-12 short+long
- 2 adaptors 3/8" + 1/2" for 10 mm bits

Item #
7072

PRO+ CV

28-piece Screwdriver Combination Bit Set

- 7 int. hex. bits short 4-5-6-7-8-10-12 mm
- 4 int. hex. long, 5-6-8-10 mm
- 4 spline bits short, M 5-M 6-M 8-M 10
- 4 spline bits long, M 6-M 8-M10-M 12
- 7 T STAR bits, T 20-25-30-40 - 45-50-55
- 2 adaptor 3/8" + 1/2" with ball 10 mm for holding bits

Item #
5028

PRO+ CV

23-piece T-STAR PLUS Bit Set

12.5 ½ 6.3 ¼

- suitable for new T-Star PLUS screws
- includes:
  1/4" bit adaptor for electric drills
  1/4" bit adaptor
  1/2" bit adaptor
- T-Star PLUS bits with hole (TPH):
  TP 10H, 15H, 20H, 25H, 30H, 40H, 45H, 50H, 55H, 60H
- T-Star PLUS bits without hole (TPS):
  TPS 10, 15, 20, 25, 30, 40, 45, 50, 55, 60

Item #
4993

PRO+ CV

32-piece Special Bit Set, long

- for security screws
- 1/4" drive
- 75 mm long
- suitable for drills

Contents:
- 9 x T STAR-tamperproof T8-10-15-20-25-27-30-35-40
- 6 x internal hexagon-tamperproof 2-2,5-3-4-5-6 mm
- 3 x offset four wing 6-8-10 mm
- 4 x open end 4-6-8-10 mm
- 4 x tri-wing 1-2-3-4
- 3 x PZ1-2-3
- 2 x cross slot 1 & 2
- 1 x plain slot 6 mm

Item #
762

PRO CV

7-piece T STAR Screwdriver Bit Set

- for T STAR screws
- 6 special bits T 25-30-40-45-50-55
- 1 adaptor 1/2" for 10 mm bits

Item #
5016

PRO+ CV

6-piece Spline Screwdriver/Bit Set

- for spline screws (XZN)
- 5 spline bits M 5-6-8-10-12
- length 30 mm
- 1 adaptor 1/2" for 10 mm bits

Item #
5006

PRO+ CV

7-piece Internal Hexagon Screwdriver/Bit Set

- 6 int. hex. bits 4-5-6-8-10-12 mm
- length 30 mm
- 1 adaptor 1/2" for 10 mm bits

Item #
5017

PRO+ CV

11-piece tamperproof T-Star Bit Set

- 6 bits 1/4" T 10-15-20-25-27-30
- 3 bits 5/16" T 40-45-50
- 1 bit-adaptor 1/4" hex. x 1/4" square
- 1 bit-adaptor 5/16" hex. x 3/8" square

Item #
786

PRO CV

11-piece Special Bits T-STAR, 1/4"

- 1/4" hex.- drive for T-Star screws
  T 7-8-9-10-15-20-25-27-30-40-45

Item #
784

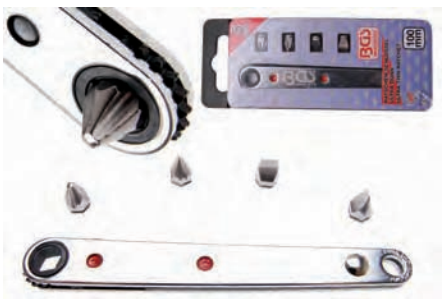
PRO CV

Ratchet Wrench Ultra Thin, with 2 cross- and 2 slot bits

- for use under limited space conditions
- reversible ratchet
- thickness of the ratchet without bit 5 mm
- thickness of ratchet incl bit 11 mm
- length: 100 mm
- chrome finish

Item #
115

PRO



3 Position Ratchet Screwdriver

- comes with 3 cross and 3 slot bits
- storage space for bits in the handle
- adjustable in 3 positions
- left or right turn
- high torque
- quick-release function

Item #
20200

PRO+

13-piece Damaged Screw Extractor Set

- S2 steel
- 6 left threaded screw extractors
  - 3x conical from 3-14 mm
  - 3x cylindric 2-3,2-4,2 mm
- 6 bits: PH 1+2, PZ 1+2, slot 4+5 mm
- 1 quick release bit holder

Item #
5280

PRO+ CV

12-piece Alternator Bit Set, 1/2"

25 ■ 1 | 20 ■ ¾

- specific bit set with alternator appropriate wrenches for assembling belt pulleys
- holding the pulley with included 33 tooth bits
- internal hexagon sockets (hex. drive): 8 and 10 mm
- internal spline bit (hex. drive): M 8 + M 10
- T-profile bits (hex. drive): T 40 and T 50
- 2 assembled and ready-to-go bits T 50 and M 10 with never to lose 33 tooth bit
- special tool for Bosch System Alternator (see upper left on photo)
- special tool for Renault System Alternators (see middle left on photo)
- incl. adaptor
- VW, Audi, Seat, BMW, Mercedes, Ford

PRO+

Item #	Description
4246	12-piece Alternator Bit Set, 1/2"
4246-T40	Bit T40 with round shaft from BGS 4246
4246-T50	Bit T50 with round shaft from BGS 4246

22-piece Alternator Bit and Socket Set

- special bit set with alternator appropriate sockets for assembling belt pulleys
- includes various adaptors to fit all major brands
- for Mercedes, BMW, Ford, VAG, Fiat, Renault, Porsche, Vauxhall, Toyota etc. (application chart included)

Item #
4247

PRO+ CV

30-piece Alternator Tool Set

10 ■ 3/8 | 12.5 ■ 1/2

- for removing the alternator pulleys
- includes special sockets, wrenches and bit sockets
- sockets for 3-hole-nuts, bolt circle 28 mm, 3x 4 mm pin, 38 mm drive
- sockets for 4-hole-nuts, bolt circle 26 mm, 4x 4 mm pin, 15 mm drive
- int. hex. sockets with hole for counterholding bits: 15x28 - 19x28 - 20x28 - 22x28 - 22x22 - 17x17 - 22x28 mm
- multi-tooth sockets with hole for counterholding bits: 33T x 15 mm - 17 mm x 33T - 33Z x 22 mm
- T-Star bits with 1/2" drive: T50 x 200 mm - T50 x 140 mm
- Spline bit sockets with 1/2" drive: M10 x 200 mm - M10 x 145 mm
- bits 75 mm long, 10 mm drive: T-Star: T40 - T50 Spline: M8 - M10 Int. hex. socket: 8 mm - 10 mm
- 12 mm ratchet wrench
- bit sockets for use with ratchet wrench: spline T50 x 65 mm - XZN M10 x 65 mm
- 1/2" bit sockets with fixed multi-point socket: T50 x 115 mm - Spline M10 x 115 mm with 33 teeth multi-point socket
- 3/8" bit socket with fixed multi-point socket: Spline M10 x 90 mm

Item #
4248

PRO+

16-piece XXL Bit Set 3/4" + 1"

- 13 bits, 22 mm int. hex. drive
- T-Star T60-70-80-90-100
- Hex. 17-19-22-24 mm
- E-Type E18-20-22-24
- 2 bit holders for 3/4" and 1" drive
- hex key wrench for locking bits in the holder
- for use with air tools

PRO+ CRO MO

Item #	Description
5246	16-piece XXL Bit Set 3/4" + 1"
5246-T60	T-STAR Bit, not tamperproof, 100 mm long, T60, 22 mm hex.
5246-T70	T-STAR Bit, not tamperproof, 100 mm long, T70, 22 mm hex.
5246-T80	T-STAR Bit, not tamperproof, 100 mm long, T80, 22 mm hex.
5246-T90	T-STAR Bit, not tamperproof, 100 mm long, T90, 22 mm hex.
5246-T100	T-STAR Bit, not tamperproof, 100 mm long, T100, 22 mm hex.
5246-2	20 (3/4) Adaptor for 22 mm Bits from BGS 5246
5246-1	25 (1) Adaptor for 22 mm Bits from BGS 5246
5246-E18	E-Type Socket, 100 mm long, E18, 22 mm hex.
5246-E20	E-Type Socket, 100 mm long, E20, 22 mm hex.
5246-E22	E-Type Socket, 100 mm long, E22, 22 mm hex.
5246-E24	E-Type Socket, 100 mm long, E24, 22 mm hex.
5246-H17	Int. Hex. Bit, 100 mm long, 24 mm, 17 mm hex.
5246-H19	Int. Hex. Bit, 100 mm long, 19 mm, 22 mm hex.
5246-H22	Int. Hex. Bit, 100 mm long, 22 mm, 22 mm hex.
5246-H24	Int. Hex. Bit, 100 mm long, 24 mm, 22 mm hex.

1/4" SDS Bitholder

6.3 ◘ 1/4

- aluminum made, quick release function
- suitable for 1/4" bits
- length: 80 mm

Item #
1732

PRO+

3-in-1 Magnetic Holder for Bits and Sockets

- suitable for:
  - 8 mm hex bits
  - 1/4" hex bits
  - 1/4" sockets sockets
- with 1/4" drive

Item #
1726

PRO+

Bit Holder with Quick Coupler

6.3 ◘ 1/4

- extra slim
- suitable for 1/4" bits
- aluminum quick coupler sleeve

Item #
8477

PRO+ CV

1/4" Magnetic Bit Holder

6.3 ◘ 1/4

- length: 60 mm

PRO+ CV

Item #	Description
1729	1/4" Magnetic Bit Holder
1727	1/4" Magnetic Bit Holder, extra strong

1/4" Automatic Bit Holder

6.3 ◘ 1/4

- suitable for electric drills

PRO+ CV

Item #	Description
1731	1/4" Automatic Bit Holder, 100 mm
1730	1/4" Automatic Bit Holder, 50 mm

30 mm Hexagon to Square Adaptors

PRO+

Item #	Description
8202	Adaptor 1/4" Square Head to Hexagon, 30 mm
2229-1	Adaptor 3/8" Square x 5/16" Hexagon, 30 mm

Bit Adaptors with Retaining Ball

- satin chrome plated
- retaining ball

PRO+ CV

Item #	Description
8203	1/4" Adaptor with Retaining Ball, f. 1/4" Bits
8213	1/4" Adaptor with Retaining Ball, f. 1/4" Bits (on holder)
8225	3/8" Adaptor with Retaining Ball, f. 1/4" Bits
8201	1/2" Adaptor with Retaining Ball, f. 1/4" Bits
292	3/8" Adaptor with Retaining Ball, f. 8 mm Bits
293	1/2" Adaptor with Retaining Ball, f. 8 mm Bits
291	3/8" Adaptor with Retaining Ball, f. 10 mm Bits
290	1/2" Adaptor with Retaining Ball, f. 10 mm Bits
284	1/2" Adaptor with Retaining Ball, f. 14 mm Bits

Bit Sockets

PRO+ CV

		6.3 ¼	10 ⅜	12.5 ½						
		38 mm	48 mm	55 mm	70 mm	100 mm	140 mm	200 mm	240 mm	800 mm
Inch / Internal hexagon	3/32"	2740								
	1/8"	2741	2720							
	5/32"	2742	2721							
	3/16"	2743	2722							
	7/32"	2744	2723							
	1/4"	2745	2725							
	9/32"	2746								
	5/16"	2747	2727							
	3/8"	2748	2729							
Metric / Internal hexagon	3 mm	2497	2576							
	4 mm	2498	2577	4250		4259				
	5 mm	2499	2578	4251		4260	4270	4275	4215	
	6 mm	2500	2579	4252		4261	4271	4276	4216	
	7 mm	2501	2580	4253		4262	4217	4277	5184-H7	
	8 mm	2502	2581	4254		4263	4272	4278	4218	
	10 mm		2582	4255		4264	5184-H10	4279		
	11 mm						5184-H11			
	12 mm			4256		4265	4273	4280		
	13 mm						5184-H13			
	14 mm			4257			4274			
	17 mm			5184-H17						
	19 mm			5184-H19						
	22 mm			5184-H22	4295					
	24 mm			5184-H24						
Internal hexagon with ball head	3 mm		5110							
	4 mm		5111							
	5 mm		5112				5184-HB5 160 mm lang			
	5,5 mm		5113							
	6 mm		5114							
	8 mm		5115							
Spline	M4	5105-M4								
	M5	5105-M5		4350		4359	4330			
	M6	5105-M6		4351		4360	4331			
	M7			4355						
	M8	2503	5105-M8	4352		4361	4332	4334		4227
	M9			4349		5184-M9	4333			
	M10	2506		4353		4362	5184-M10	4335		4228
	M12	2507	2587	4354		4363	5184-M12	4336		4229
	M14			4344		4364	5184-M14	4337		4233
	M16			4346						
	M17			5180-M17						
Spline Tamperproof	M16			4356		4357				
	M18					4365				
TS-Star Tamper-proof	TS 10	5184-TS10								
	TS 15	5184-TS15								
	TS 20	5184-TS20								
	TS 25	5184-TS25								
	TS 27	5184-TS27								
	TS 30	5184-TS30								
	TS 40	5184-TS40								
	TS 45	5184-TS45								
	TS 50	5184-TS50								
Plain Slot	4,0 mm	2493								
	5,5 mm	2494	2567							
	6,5 mm	2495								
	7,0 mm	2496	2568							
Philips	PH#0	2504								
	PH#1	2487	2553							
	PH#2	2488	2554							
	PH#3	2489	2556							
Pozidrive	PZ#0	2505								
	PZ#1	2490	2550							
	PZ#2	2491	2551							
	PZ#3	2492	2552							

Bit Sockets

		6.3 ¼			10 ⅜		12.5 ½				
		38 mm	100 mm	400 mm	48 mm	100 mm	55 mm	100 mm	140 mm	200 mm	240 mm
T-Star	T7	2557									
	T8	2589									
	T9	2588									
	T10	2590			2760						
	T15	2591			2541		4368	4468			
	T20	2592			2542		4369	4469			
	T25	2593			2543		4370	4470			
	T27	2594			2544		4367	4467			
	T30	2595		4202	2545		4371	4471			
	T35	2565									
	T40	2596			2546		4372	4472	5184-T40	4480	
	T45				2547		4373	4473	5184-T45	4481	
	T50				2548		4374	4474	5184-T50	4482	
	T55				2549		4375	4475	5184-T55	4483	
	T60				2761		4378	4476	5184-T60	4484	
	T70						4379	4477	5184-T70	4485	
T-Star Tamper-proof	T8	2356									
	T9	2364									
	T10	2357									
	T15	2358									
	T20	2359			2571						
	T25	2360			2572						
	T27	2361			2573						
	T30	2362	4203		2574						5184-TB30 (300 mm)
	T40	2363			2575						
	T45				2597						
	T50				2598						
	T55				2599						
	T60						4376				
	T70						4377				
	T80							5184-TB80			
Ribe	M5						4150	4160			
	M6					4141	4151	4161			
	M7					4142	4152	4162	4234		5184-R7
	M8					4143	4153	4163	4173	4183	5184-R8
	M9						4154	5184-R9	4174	4184	
	M10.3								4179	4185	
	M10					4145	4155	4165	5184-R10	4189	
	M12						4156	4166	4176	4186	
	M13						4157	4167	4177	4187	
	M14						4158	4168	4178	4188	

PRO+

CV

Impact Bit Sockets

		12.5 ½		
		55 mm	100 mm	140 mm
T-Star	T20	5369	5469	
	T25	5370	5470	
	T27	5367	5467	
	T30	5371	5471	
	T40	5372	5472	
	T45	5373	5473	
	T50	5374	5474	
	T55	5375	5475	
Internal hexagon	6 mm		4286	
	8 mm		4288	
Spline	M 8		4358	
	M 10		4462	
	M 12			4463

PRO+

CV

3/8" Impact Ball Joint Bit Socket, XZN, M8x100 mm

10 ◘ 3/8

- especially for driving shafts and cylinder head bolts

Item #
4366

PRO+ CV

9-piece Bit Socket Set, Hexagon in SAE sizes

6.3 ◘ 1/4

- sizes: 3/32", 1/8", 5/32",3/16", 7/32" 1/4", 9/32", 5/16", 3/8"
- satin chrome plated, knurled
- 1/4" drive
- on socket rail

Item #
2749

PRO+ CV

7-piece Bit Socket Set, Internal Hexagon, 3/8"

10 ◘ 3/8

- sizes: 3-4-5-6-7-8-10 mm
- on socket rail

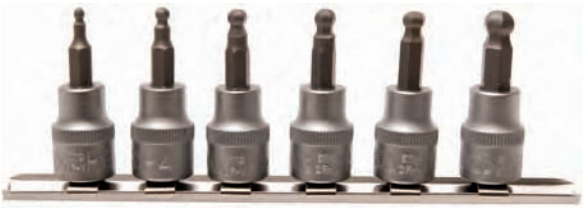
Item #
5107

PRO+ CV

7-piece Bit Socket Set 3-8 mm, 6-pt, 3/8", with ball head

10 ◘ 3/8

- 3-4-5-5.5-6-8 mm, length 50 mm
- hex ball end for lateral screwing
- chrome vanadium steel
- satin chrome finish
- knurled
- on socket rail



Item #
5109

PRO+ CV

7-piece Bit Socket Set, Internal Hexagon, 3/8"

10 ◘ 3/8

- satin chrome plated, knurled
- INCH SIZES: 1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"
- for assemblies on British vehicles, classic cars, as well as US motorcycles
- on socket rail

Item #
5104

PRO+ ZOLL/SAE

7-piece Bit Socket Set, T-STAR, 3/8"

10 ◘ 3/8

- sizes: T15-20-25-30-40-45-50 (not tamperproof)
- satin chrome plated, knurled
- on socket rail

Item #
5108

PRO+ CV

8-Piece Bit Socket Set, XZN, 3/8"

10 ◘ 3/8

- includes sizes:
  - 1/4" drive: M4-M5-M6
  - 3/8" drive: M8-10-12
  - 1/2" drive: M-14-16
- satin chrome plated
- knurled
- on socket rail

Item #
5105

PRO+ CV

3/8"+1/2" Ribe Bit Socket Set

10 ◘ 3/8 12.5 ◘ 1/2

- R6, R7, R8, R10 with 3/8" drive
- R12, R13, R14 with 1/2" drive
- chrome vanadium steel
- satin chrome finish
- knurled
- length: 75 mm
- on socket rail

Item #
5185

PRO+ CV

1/4" Bit Sockets TS-STAR, tamperproof

6.3 ◘ 1/4

- for 5-sided T-Star screws
- satin chrome finish
- knurled

PRO+ CV

Item #	Description
2355	9-piece Bit Socket Set TS / Five Star, 1/4"
2355-TS15	1/4" Bit Socket TS-STAR, tamperproof, TS15
2355-TS20	1/4" Bit Socket TS-STAR, tamperproof, TS20
2355-TS27	1/4" Bit Socket TS-STAR, tamperproof, TS27
2355-TS30	1/4" Bit Socket TS-STAR, tamperproof, TS30
2355-TS40	1/4" Bit Socket TS-STAR, tamperproof, TS40
2355-TS50	1/4" Bit Socket TS-STAR, tamperproof, TS50

72-piece T-Star Tool Kit, 1/4" + 1/2"

12.5 ½ | 6.3 ¼

- hardness and torque in accordance with DIN
- 1/4" and 1/2" drive
- 1 magnetic retriever, extendable
- 2 bit adaptors, 1/4", 1/2"
- 4 double ring spanners E-type, E6 x E8 - E20 x E24
- 6 bit sockets 1/4" drive, T10 - T30 (not tamperproof)
- 6 bits 10 mm x 30 mm, T40 - T70 (tamperproof)
- 9 bits 10 mm x 75 mm, T15 - T60 (not tamperproof)
- 10 bits 1/4" x 25 mm, T7 - T40
  (T7-9: not tamperproof, rest tamperproof)
- 7 E-type sockets 1/2", E12 - E 24
- 7 E-type sockets 1/4", E4 - E 11
- 8 T-Star screwdrivers (tamperproof), T8 - T40
- 12 L-type wrenches T-Star, T8 - T60 (not tamperproof)

Item #
2271

PRO+ CV

27-piece Bit and Bit Socket Assortment

12.5 ½

- hardness and torque according to German DIN Standards
- 5 bit sockets 1/2" drive: T45-50-55-60-70
- 7 bits for T-Star screws T10-15-20-25-27-30-40
- 12 bits for T-Star screws tamperproof
  T10-15-20-25-27-30-40-45-50-55-60-70
- 3 bit adaptors for 1/4" - 3/8" - 1/2" drive

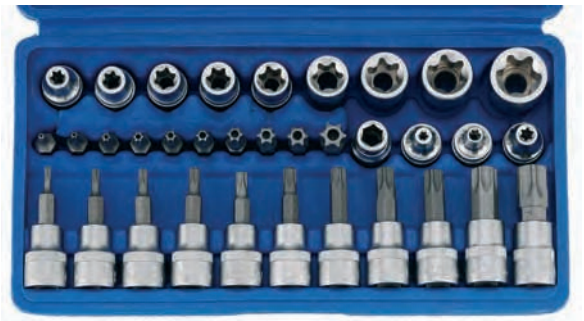
Item #
5101

PRO+ CV

34-piece T STAR Bit / Socket Set, 3/8"

10 3/8

- satin chrome plated
- 11 bit-sockets T 10-T60 not tamperproof
- 10 bits (5/16" drive) T10-T55 tamperproof
- 1 bit-holder
- 12 E-Type sockets E 4-E 20
- all sockets spiral-knurled and with ball bearing
  for secure socket holding



Item #
5021

PRO+ CV

12-piece Bit Socket Set Internal Hexagon, 1/2"

12.5 ½

- 5-6-7-8-10-12-14-16-17-18-19-22 mm
- satin chrome plated and knurled
- sandblasted bits

Item #
5052

PRO+ CV

19-piece Bit Socket Set, T-STAR / E-Type, 1/2"

12.5 ½

- for T-STAR screws
  T 20-25-27-30-40-45-50-55-60-70 (not tamperproof)
- and for opposite E-Type screws
  E 10-11-12-14-16-18-20-22-24

Item #
5100

PRO+ CV

5-piece Spline Bit Socket Set

12.5 ½

- special set for car drive shafts
- includes bit sockets:
  - M12 x 55 mm
  - M 9 x 100 mm
  - M10 x 140 mm
  - M12 x 140 mm
  - M14 x 140 mm

Item #
8449

PRO+ CV

6-piece Internal Hexagon Bit Sockets, Ball End Finish, 1/2"

12.5 ½

- 5-6-7-8-10-12 mm
- length 140 mm

PRO+ CV

Item #	Description
4258	6-piece Internal Hexagon Bit Sockets, Ball End Finish, 1/2"
4258-5	5 mm Internal Hexagon Bit Socket, Ball End Finish, 1/2"
4258-6	6 mm Internal Hexagon Bit Socket, Ball End Finish, 1/2"
4258-7	7 mm Internal Hexagon Bit Socket, Ball End Finish, 1/2"
4258-8	8 mm Internal Hexagon Bit Socket, Ball End Finish, 1/2"
4258-10	10 mm Internal Hexagon Bit Socket, Ball End Finish, 1/2"
4258-12	12 mm Internal Hexagon Bit Socket, Ball End Finish, 1/2"

4-piece Bit Socket Set for T-STAR, tamperproof, 1/2"

12.5 ½

Large sizes:
- T-70 (cylinder head bolts of many brands, (oil filter tub)
- T-80 (windshield wiper arm assembly, MAN, M series)
- T-90 (cylinder head bolts)
- T-100 (steering arm, MAN, F series)
- suitable for the assembly of cylinder head bolts in Ford, BMW, Citroen, Renault, Audi, Mercedes)

Item #
5103

PRO+ CV

3-piece 1/2" Drive Shaft Bit Socket Set, 800 mm

12.5 ½

- suitable for driveshaft screws
- no need for (several) extension bars
- suitable for VW and other brands
- M8 x 800 mm, M10 and M12 x 800 mm x 800 mm

Item #
4224

PRO+ CV

9-piece 1/2" Special Cylinder Head Bit Socket Set

12.5 ½

- 9 bit sockets, 1/2" drive, see table for exact sizes
- black finish bits

PRO+ CV

Item #	Description
5014	9-piece 1/2" Special Cylinder Head Screw Bit Socket Set
5001	Bit Socket, 1/2", Ribe 10x165 mm
5002	Bit Socket, 1/2", XZN 12x140 mm
5003	Bit Socket, 1/2", T Star 70x120 mm
5004	Bit Socket, 1/2", T Star 55x140 mm
5005	Bit Socket, 1/2", E 12x140 mm
5007	Bit Socket, 1/2", Ribe 13x120 mm
5008	Bit Socket, 1/2", Ribe 14x120 mm
5009	Bit Socket, 1/2", XZN 10x140 mm
5010	Bit Socket, 1/2", Ribe 12x120 mm

26-piece 1/2" Drive Spline Bit-Assortment

- short bits S2-Steel
- satin chrome plated, knurled
- length: 55, 100, 140, 200 mm
- M5-M16

Item #
5180

PRO+ CV

30-piece 1/2" Drive Internal Hexagon Bit-Assortment

12.5 ½

-short bits S2-Steel
- satin chrome plated, knurled
- length: 55, 100, 140, 200 mm
- 5-19 mm

Item #
5181

PRO+ CV

32-piece 1/2" Drive T-Star Bit-Assortment

12.5 ½

- short bits S2-Steel
- satin chrome plated, knurled
- length: 55, 100, 140, 200 mm
- T20-T70 (not tamperproof)

Item #
5182

PRO+ CV

32-piece 1/2" Drive Ribe Bit-Assortment

12.5 ½

- short bits S2-Steel
- satin chrome plated, knurled
- length: 55, 100, 140, 200 mm
- M5-M14

Item #
5183

PRO+ CV

38-piece Car Assembly Bit Set

6.3 ¼ | 12.5 ½

- **parts manufactured from Chrome Vanadium S2 Steel**
- unique assortment for a great number of specific operations in motorcar assembly
- all parts also available separately (see tables below)

Item #
5184

PRO+ CV

6.3 ¼ bit-sockets, TS-Star (5-Star), tamperproof

Item #	Description
5184-TS10	TS 10 x 38 mm
5184-TS15	TS 15 x 38 mm
5184-TS20	TS 20 x 38 mm
5184-TS25	TS 25 x 38 mm
5184-TS27	TS 27 x 38 mm
5184-TS30	TS 30 x 38 mm
5184-TS40	TS 40 x 38 mm
5184-TS45	TS 45 x 38 mm
5184-TS50	TS 50 x 38 mm

12.5 ½ bit-sockets, Ribe

Item #	Description
5184-R7	R7 x 240 mm
5184-R8	R8 x 240 mm
5184-R9	R9 x 100 mm
5184-R10	R10 x 140 mm

12.5 ½ bit-sockets, T-Star

Item #	Description
5184-T40	T40 x 140 mm
5184-T45	T45 x 140 mm
5184-T50	T50 x 140 mm
5184-T55	T55 x 140 mm
5184-T60	T60 x 140 mm
5184-T70	T70 x 140 mm

12.5 ½ bit-sockets, int. hex.

Item #	Description
5184-H7	H7 x 230 mm
5184-H10	H10 x 140 mm
5184-H11	H11 x 140 mm
4257	H14 x 55 mm
5184-H17	H17 x 55 mm
5184-H19	H19 x 55 mm
5184-H22	H22 x 55 mm
5184-H24	H24 x 55 mm

12.5 ½ bit-sockets, spline (XZN)

Item #	Description
5184-M9	M9 x 100 mm
5184-M10	M10 x 140 mm
5184-M12	M12 x 140 mm
5184-M14	M14 x 140 mm
5184-H13	H13 x 140 mm

12.5 ½ diverse special bit-sockets

Item #	Description
4356	Spline bit-socket M16 x 55 mm, tamperproof
4357	Spline bit-socket M16 x 100 mm
5184-M18	Spline impact-bit-socket, M18 x 78 mm
5184-TB80	T-Star bit-socket T80 x 100 mm, tamperproof
5184-TB30	T-Star bit-socket T30 x 300 mm, tamperproof
5184-HB5	int. hex. bit-socket M5 x 160 mm, ball end finish

1/2" Impact Bit Sockets, Spline

12.5 ◘ ½

- for spline screws M 14 - 16 - 18 mm
- 40 & 75 mm length each
- application: e.g. supporting ball joints T4, brake caliper VW Touareg (rear axle), MB Atego
- single sizes (75 mm) available under item Nr. 5184-M14, 5482-M16, 5184-M18
- especially suitable for use with air tools

Item #
5380

PRO+ CRO MO

8-piece Spline Impact Bit Socket Set, 1/2"

12.5 ◘ ½

- M12 - M14 - M16 - M18
- 40 and 75 mm length each
- especially suitable for use with air tools

Item #
5381

PRO+ CRO MO

Impact Bit Sockets, T-Star, T20-T70, 1/2"

12.5 ◘ ½

- includes T-Star sizes T20, T25, T30, T40, T45, T50, T55, T60, T70 (not tamperproof)
- length: 75 mm
- with groove and hole for retaining ball
- especially suitable for use with air tools

PRO+ CRO MO

Item #	Description
5480	9-piece Impact Bit Socket Set, T-Star, T20-T70, 1/2"
5480-T20	Impact Bit Socket, T-Star, T20, 1/2"
5480-T25	Impact Bit Socket, T-Star, T25, 1/2"
5480-T30	Impact Bit Socket, T-Star, T30, 1/2"
5480-T40	Impact Bit Socket, T-Star, T40, 1/2"
5480-T45	Impact Bit Socket, T-Star, T45, 1/2"
5480-T50	Impact Bit Socket, T-Star, T50, 1/2"
5480-T55	Impact Bit Socket, T-Star, T55, 1/2"
5480-T60	Impact Bit Socket, T-Star, T60, 1/2"
5480-T70	Impact Bit Socket, T-Star, T70, 1/2"

Impact Bit Sockets, Internal Hexagon, 5-19 mm, 1/2"

12.5 ½

- includes internal hexagon sizes 5-6-8-10-12-14-17-19 mm
- length: 75 mm
- with groove and hole for retaining ball
- especially suitable for use with air tools

PRO+ CRO MO

Item #	Description
5481	8-piece Impact Bit Socket Set, int. hex. 5-19 mm, 1/2"
5481-M5	Impact Bit Socket, Internal Hexagon, M5, 1/2"
5481-M6	Impact Bit Socket, Internal Hexagon, M6, 1/2"
5481-M8	Impact Bit Socket, Internal Hexagon, M8, 1/2"
5481-M10	Impact Bit Socket, Internal Hexagon, M10, 1/2"
5481-M12	Impact Bit Socket, Internal Hexagon, M12, 1/2"
5481-M14	Impact Bit Socket, Internal Hexagon, M14, 1/2"
5481-M17	Impact Bit Socket, Internal Hexagon, M17, 1/2"
5481-M19	Impact Bit Socket, Internal Hexagon, M19, 1/2"

Impact Bit Sockets, Spline, M6-16, 1/2"

12.5 ½

- includes spline sizes M4-5-6-8-9-10-12-14-16
- length: 75 mm
- with groove and hole for retaining ball
- especially suitable for use with air tools

PRO+ CRO MO

Item #	Description
5482	9-piece Impact Bit Socket Set, Spline, M4-16, 1/2"
5482-M5	Impact Bit Socket, Spline, M5, 1/2"
5482-M6	Impact Bit Socket, Spline, M6, 1/2"
5482-M8	Impact Bit Socket, Spline, M8, 1/2"
5482-M9	Impact Bit Socket, Spline, M9, 1/2"
5482-M10	Impact Bit Socket, Spline, M10, 1/2"
5482-M12	Impact Bit Socket, Spline, M12, 1/2"
5482-M14	Impact Bit Socket, Spline, M14, 1/2"
5482-M16	Impact Bit Socket, Spline, M16, 1/2"
5482-M4	Impact Bit Socket, Spline, M4, 1/2"

Impact Bit Sockets, Ribe, M5-14, 1/2"

12.5 ½

- includes ribe sizes M5-6-7-8-9-10-12-13-14
- length: 75 mm
- with groove and hole for retaining ball
- especially suitable for use with air tools

PRO+ CRO MO

Item #	Description
5483	8-piece Impact Bit Socket Set, Ribe, M5-14, 1/2"
5483-M5	Impact Bit Socket, Ribe, M5, 1/2"
5483-M6	Impact Bit Socket, Ribe, M6, 1/2"
5483-M7	Impact Bit Socket, Ribe, M7, 1/2"
5483-M8	Impact Bit Socket, Ribe, M8, 1/2"
5483-M9	Impact Bit Socket, Ribe, M9, 1/2"
5483-M10	Impact Bit Socket, Ribe, M10, 1/2"
5483-M12	Impact Bit Socket, Ribe, M12, 1/2"
5483-M14	Impact Bit Socket, Ribe, M14, 1/2"
5483-M13	Impact Bit Socket, Ribe, M13, 1/2"

26-piece Impact Bit Socket Set

12.5 ½

- 9 bit sockets T-Star:
  T25-T30-T40-T45-T50-T55-T60-T70-T80
- 8 bit sockets internal hexagon:
  5-6-8-10-12-14-17-19 mm
- 9 bit sockets Spline:
  M5-M6-M8-M9-M10-M12-M14-M16-M18
- chrome molybdenum steel
- length: 75 mm
- supplied in EVA foam
- especially suitable for use with air tools

Item #
5484

PRO+ CRO MO

9-piece 3/4" Bit Socket Set Internal Hexagon + Spline

20 ¾

- Int Hex. 14-17-19-21-23-24 mm
- Spline bits M16 & M18, tamperproof
- especially suitable for use with air tools

Item #
5054

PRO+ CRO MO

Reversible Ratchets

- ABS-handle
- with quick release button

PRO+ CV

Item #	Description
2207	Reversible Ratchet, 1/4"
2205	Reversible Ratchet, 3/8"
2206	Reversible Ratchet, 1/2"

Reversible Ratchets

- with quick release button and eye
- anti-slip ergonomically formed 2-component handle

PRO+ CV

Item #	Description
227	Reversible Ratchet, 1/4"
2308	Reversible Ratchet, 3/8"
2304	Reversible Ratchet, 1/2"

Fine 72 Tooth Reversible Ratchets

- fine 72 tooth
- "quick release" button
- anti-slip ergonomically formed 2-component handle

PRO+ CV

Item #	Description
315	Reversible Ratchet, 1/4"
316	Reversible Ratchet, 3/8"
317	Reversible Ratchet, 1/2"

Fine 72 Tooth Reversible Ratchets

- offset shaft
- with quick release button
- anti-slip ergonomically formed 2-component handle

PRO+ CV

Item #	Description
318	1/4" Fine 72 Tooth Reversible Ratchet
319	3/8" Fine 72 Tooth Reversible Ratchet
320	1/2" Fine 72 Tooth Reversible Ratchet

1/2" Reversible Ratchet, extra long

12.5 ■ 1/2

- fine 72 tooth
- 380 mm long
- anti-slip ergonomically formed 2-component handle

Item #
324

PRO+ CV

Nylon Fibreglass Ratchets

- convenient use through extra lightweight material - no fatigue limit
- DIN-limits for max. capacitance are distinctively exceeded by this tool

PRO+

Item #	Description
302	1/4" Nylon Fiberglass Ratchet
303	3/8" Nylon Fiberglass Ratchet
304	1/2" Nylon Fiberglass Ratchet

Flexible Head Ratchets, adjustable

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

PRO+ CV

Item #	Description
285	Flexible Head Ratchet, adjustable, 1/4"
286	Flexible Head Ratchet, adjustable, 3/8"
287	Flexible Head Ratchet, adjustable, 1/2"

3/8" Reversible Ratchet, Special Shape

10 ■ 3/8

- from set BGS Item # 139
- flexible head, 180° adjustable
- fine 72 tooth ratchet
- handle 30° offset
- length 270 mm
- slip guard handle

Item #
139-1

PRO+

Stubby Ratchets

- extra small size
- for narrow and tight spaces
- fine 72 tooth
- with quick release button
- anti-slip ergonomically formed 2-component handle

Item #	Description
212	Stubby Ratchet, 1/4"
209	Stubby Ratchet, 3/8"
210	Stubby Ratchet, 1/2"

Reversible Ratchets for Single-Handed-Use

- left and right switch is located in the ratched handle, so you can switch direction with the same hand you are holding the ratchet
- extra flat ratchet head
- fine 60 tooth
- small pivoting angle
- high duty finish

Item #	Description
355	Reversible Ratchet for Single-Handed-Use, 1/4"
356	Reversible Ratchet for Single-Handed-Use, 3/8"
357	Reversible Ratchet for Single-Handed-Use, 1/2"

Free Wheel Ratchets (toothless)

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

Item #	Description
2274	Free Wheel Ratchet (toothless), 1/4"
2272	Free Wheel Ratchet (toothless), 1/2"

Twisting-Handle Ratchets

- fine 60 tooth
- works in both directions
- movable square part
- simply turn the handle to use the ratchet, just minimum space needed for working
- turning direction indicated on ratchet head
- chrom plated, non-slip handles

Item #	Description
105	1/4" Twisting-Handle Ratchet
106	3/8" Twisting-Handle Ratchet
107	1/2" Twisting-Handle Ratchet

Ball Head Ratchets

- 180° adjustable drive head can be adjusted for almost all work position
- chrome finish
- fine-toothed, 72 teeth
- socket quick release

PRO+

Item #	Description
112	Ball Head Ratchet, 1/4"
113	Ball Head Ratchet, 3/8"
114	Ball Head Ratchet, 1/2"

Extendable Flexi Head Ratchet

- position adjustable and lockable
- ratchet head can be angled in 10 positions
- 72 fine tooth
- quick release
- chrome vanadium, satin chrome finish

PRO+ CV

Item #	Description
25105	Extendable Flexi Head Ratchet, 1/4", 175 - 225 mm
25106	Extendable Flexi Head Ratchet, 3/8", 240 - 340 mm
25107	Extendable Flexi Head Ratchet, 1/2", 345 - 495 mm

Extendable Ratchets

- adjustable and lockable
- satin chrome finish
- fine-toothed, 72 teeth
- socket quick release

PRO+

Item #	Description
25103	1/4" Extendable Ratchet, 190 - 250 mm
25104	1/2" Extendable Ratchet, 305 - 445 mm

1/2" "Go-thru" Ratchet, Internal Square Head

12.5 ½

- satin chrome plated
- without square head
- anti-slip ergonomically formed 2-component handle

Item #
312

PRO+ CV

1/2" Square Head for # 312

12.5 ◘ 1/2

- fitting 1/2" square head

Item #
313

PRO+ CV

1/4" Ratchet "Maxigrip"

6.3 ◘ 1/4

- from item # 2241
- length 150 mm
- with eye

Item #
223

PRO

Stubby Ratchet Set, 1/4"-3/8"-1/2"

- **extra small size**, for narrow and tight spaces
- fine 72 tooth

In metal case

Item #
215

PRO+ CV

1/2" Extendable Ratchet, 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, easily withstands high torque when using with 565 mm handle

Item #
2315

PRO+

1/4" T-Handle Flexible Joint Ratchet

6.3 ◘ 1/4

- chrome plated
- length 450 mm

Item #
2126

PRO+ CV

Reversible Ratchets with Spinning Head, 1/4" - 3/8" - 1/2"

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

PRO+ CV

Item #	Description
322	1/4" Reversible Ratchet with Spinning Head
321	3/8" Reversible Ratchet with Spinning Head
323	1/2" Reversible Ratchet with Spinning Head

Reversible Ratchet Lever, 1/2", 635 mm

12.5 ½

- 360° adjustable and lockable ratchet head
- chrome polished

Item #
328

PRO+

3/8" Flexible Reversible Ratchet

10 ⅜

- with 2 joints
- 90° offset function
- quick action function

Item #
8399

PRO+ CV

Go-Through Ratchet for 1/4" Bits, Stainless Steel

6.3 ¼

- made of stainless steel
- especially suitable for working outside and in the food industry
- 1/4" 4-pt. reception for e.g. standard extension bars to operate with higher torque

Item #
2158

PRO+

Reversible Bit Ratchet for 8 mm Bits

- length 240 mm
- can also be used with BGS item# 3539

Item #
3559

PRO+

3/4" Reversible Ratchet, 500 mm

20 ◘ ¾

- with knurled handle

Item #
231

PRO+ CV

2-piece Ratchet, with Lever and "Quick Release" Button, 3/4" 500 mm

20 ◘ ¾

- (part of set # 1207)

Item #
232

PRO+ CRO MO CV

1" Reversible Ratchet, 675 mm

25 ◘ 1

PRO+ CRO MO CV

Item #	Description
300	1" Reversible Ratchet, 675 mm
300-1	Replacement Handle for Reversible Ratchet BGS 300, 550 mm
300-REPAIR	Gear Repair Set for Ratchet BGS 300

Reversible Ratchet, 3/4", extendable from 615-1015 mm

20 ◘ ¾

- wide knurled handle
- max. capacity: 1800 Nm
- lenght adjustable in 6 steps
  610 - 690 - 770 - 850 - 930 - 1010 mm

Item #
211

PRO+ CV

1/2" Ratchet Adaptor, Fine Tooth

12.5 ◘ ½

- fine 72 tooth
- reversible
- easy to use in combination with BGS handle # 265
  or 1/2" sliding t-bar

Item #
2301

PRO

Ratchet Repair Kits

All wearing components for the head of a ratchet in one set

Item #	Description
176	Ratchet Repair Kit, suitable for BGS 302, 315, 318, 25105
177	Ratchet Repair Kit, suitable for BGS 303, 316, 319, 25106
178	Ratchet Repair Kit, suitable for BGS 304, 318, 320, 25107
179	Ratchet Repair Kit, suitable for BGS 227
180	Ratchet Repair Kit, suitable for BGS 2304
182	Ratchet Repair Kit, suitable for BGS 302
183	Ratchet Repair Kit, suitable for BGS 303
184	Ratchet Repair Kit, suitable for BGS 304
211-REPAIR	Ratchet Repair Kit, suitable for BGS 211
321-REPAIR	Ratchet Repair Kit, suitable for BGS 321
322-REPAIR	Ratchet Repair Kit, suitable for BGS 322
323-REPAIR	Ratchet Repair Kit, suitable for BGS 323
355-REPAIR	Ratchet Repair Kit, suitable for BGS 355
356-REPAIR	Ratchet Repair Kit, suitable for BGS 356
357-REPAIR	Ratchet Repair Kit, suitable for BGS 357
2315-REPAIR	Ratchet Repair Kit, suitable for BGS 2315
25101-REPAIR	Ratchet Repair Kit, suitable for BGS 25101
25102-REPAIR	Ratchet Repair Kit, suitable for BGS 25102

Scaffolding Ratchets

- reversible
- forged shaft

PRO+ CV

Item #	Description
308	Scaffolding Ratchet 17x19 mm
309	Scaffolding Ratchet 17x21 mm
310	Scaffolding Ratchet 19x22 mm
311	Scaffolding Ratchet 19x24 mm
305	Scaffolding Ratchet 24x30 mm
307	Scaffolding Ratchet 36x41 mm
306	Scaffolding Ratchet 27x32 mm

Spinner Handle 150 mm, satin chrome plated, 1/4"

6.3 ¼

- anti-slip ergonomically formed 2-component handle

Item #
216

PRO+ CV

Spinner Handle 200 mm, for 1/4" Bits

6.3 ¼

- with 2-component-handle

Item #
217

PRO+ CV

Flexible Screwdriver, 275 mm, 1/4" Square Head

6.3 ¼

- anti-slip ergonomically formed 2-component handle

Item #
7825

PRO+

1/4" Spinner Handle, 150 mm, satin chrome plated

6.3 ◘ 1/4

Item #
239

PRO+ CV

T-Handle, 1/4" Square, 180 mm Length

Item #
7800

PRO+ CV

Bit Driver for 1/4" Bits, Stainless Steel

6.3 ◘ 1/4

- magnetic bit holder, made of stainless steel
- especially suitable for working outside and in the food industry

Item #
7832

PRO+

Bit Screwdriver for 1/4" Bits with flexible Shaft

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

Item #
7829

PRO+

Adaptors

PRO+ CV CRO MO

Outside		Inside 6.3 ¼	10 ⅜	12.5 ½	20 ¾	25 1
6.3 ¼			269			
	Impact		171			
10 ⅜		271		270		
	Impact	172		173		
12.5 ½			280		274	
	Impact		174		275	
20 ¾				272		
	Impact			279		196
25 1						
	Impact				195	

Extension Bars

PRO+ CV

	6.3 ¼	Wobble	10 ⅜	Wobble	12.5 ½	Wobble	20 ¾	25 1
50 mm	2336	2232	296			233		
75 mm			294	242	236			
100 mm	2335	2231					264	
125 mm				246	3120	234		
150 mm	2338	2220	295	243				
200 mm							266	372
250 mm		2219		244	3121	235		
300 mm	2210							
375 mm						248		
400 mm							268	374
450 mm				247				
500 mm	2211					249		
610 mm			3132		3134			

Sliding T-Bars

PRO+ CV

	6.3 ¼	10 ⅜	12.5 ½		20 ¾		25 1
115 mm	276						
250 mm		277	278	273			
450 mm					263		
500 mm						204	
560 mm							375

Sliding T-Bars

PRO+ CV

	12.5 ½	Repair Set	20 ¾	Repair Set	25 1	Repair Set
250 mm	265	265-Repair				
610 mm	267	267-Repair				
630 mm			283	283-1		
1020 mm					376	377

Flexible Extension, 300 mm, 1/2"

12.5 ■ ½

- allows screwing also in hard to reach areas
- not for tightening screws

Item #
8483

PRO+

3-piece "Wobble" Extension Bar Sets

- satin chrome plated
- knurled

PRO+ CV

Item #	Description
2233	1/4" "Wobble" Extension Bar Set, 75-150-250 mm
2239	3/8" "Wobble" Extension Bar Set, 75-150-250 mm
2240	1/2" "Wobble" Extension Bar Set, 50-125-250 mm

3-piece Extension Bar Sets

- carbon steel
- mirror polished

PRO

Item #	Description
2236	Extension Bar Set, 375-450-600 mm, 3/8"
2237	Extension Bar Set, 450-600-750 mm, 1/2"

9-piece "Wobble" Extension Bar Set, 1/4" + 3/8" + 1/2"

- "wobble system"
- 1/4": 50-100-225 mm
- 3/8": 75-150-225 mm
- 1/2": 50-125-250 mm

Item #
2252

PRO+ CV

Extendable Extension Bars

- can quickly be adjusted to the size needed

PRO+ CV

Item #	Description
25310	Extendable Extension Bar, 1/4", 180-300 mm
25311	Extendable Extension Bar, 3/8", 230-380 mm
25312	Extendable Extension Bar, 1/2", 250-400 mm

Magnetic Extension Bar Set 1/4"-3/8"-1/2"

- holds screws and nuts in the socket after loosening

Item #
198

PRO+ CV

1/4" Flexible Extension Bar

PRO CV

Item #	Description
2320	1/4" Flexible Extension Bar, 150 mm
2321	1/4" Flexible Extension Bar, 450 mm

LED Extension Bar, 1/2", Length 63 mm

12.5 ½

- 1/2" extension bar with built in LED light
- illuminates the working area through the socket
- batteries and spare batteries included

Item #
3125

PRO+

1/2" Flexible Extension Bar, 190 mm

12.5 ½

- flexible up to 180°
- chrome plated

Item #
2323

PRO CV

1/2" Impact Extension Bar with Ball Bearing Handle

12.5 ■ 1/2

- innovative: not only a 200 mm extension bar but 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
- especially suitable for use with air tools

Item #
191

PRO+ CRO MO

1/2" Impact Extension Bars

12.5 ■ 1/2

- black finish
- incl. retaining ball (not adjustable by using a pin and an O-ring)
- especially suitable for use with air tools

PRO+ CV

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

Flexible Handle with Ratchet Head, 620 mm, 1/2"

- length: 620 mm
- ratchet has 72 tooth

PRO+ CV

Item #	Description
228	Flexible Handle with Ratchet Head, 620 mm, 1/2"
228-1	Repair Set for Flexible Handle BGS 228

1/2" Swivel Joint Handle, extendable, 450-600 mm

- satin chrome plated, black finish head

Item #
258

PRO+ CRO MO CV

Offset Impact Driver, 1/2", 620 mm

12.5 ■ 1/2

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

Item #
25150

PRO+

Sliding Adaptors for Extension Bars

- satin chrome plated

PRO+ CV

Item #	Description
288	Sliding Adaptor for 3/8" Extension Bars
289	Sliding Adaptor for 1/2" Extension Bars
206	Sliding Adaptor for 1" Extension Bars

3-piece Universal Joint Set with Spring, 1/4" - 3/8" - 1/2"

- chrome plated

Item #
252

PRO+ CV

Universal Joints

- satin chrome plated

PRO+ CV

Item #	Description
250	Universal Joint, satin chrome plated, 1/4"
299	Universal Joint, satin chrome plated, 3/8"
251	Universal Joint, satin chrome plated, 1/2"

Impact Ball Joints

- suitable for impact wrenches

PRO+ CRO MO

Item #	Description
188	1/4" Impact Ball Joint
189	3/8" Impact Ball Joint
190	1/2" Impact Ball Joint
197	3/4" Impact Ball Joint

3-piece Socket Adaptor Set, SDS to 4-pt.

10 ■ 3/8 | 12.5 ■ 1/2 | 6.3 ■ 1/4

- allows to use sockets on SDS drills

PRO+

Item #	Description
8214	3-piece Socket Adaptor Set, SDS to 4-pt.
8214-1	1/2 SDS to 4-pt. Adapter, 65 mm

6-piece Adaptor Set

- satin chrome plated

content:
- 1/4" int. X 3/8" ext.
- 3/8" int. X 1/4" ext.
- 3/8" int. X 1/2" ext.
- 1/2" int. X 3/8" ext.
- 1/2" int. X 3/4" ext.
- 3/4" int. X 1/2" ext.

Item #
199

PRO+ CV

6-piece Impact Adaptor Set

- matt black coated

content:
- 1/4" int. X 3/8" ext.
- 3/8" int. X 1/4" ext.
- 3/8" int. X 1/2" ext.
- 1/2" int. X 3/8" ext.
- 1/2" int. X 3/4" ext.
- 3/4" int. X 1/2" ext.

Item #
200

PRO+ CRO MO

11-piece Impact Adaptor and Universal Joint Set, 1/4" - 1"

- for impact use
- adaptors:
 - 1/4" female x 3/8" male
 - 3/8" female x 1/4" male
 - 3/8" female x 1/2" male
 - 1/2" female x 3/8" male
 - 1/2" female x 3/4" male
 - 3/4" female x 1/2" male
 - 3/4" female x 1" male
 - 1" female x 3/4" male
- universal joints in 1/4", 3/8", 1/2"

Item #
25140

PRO+ CRO MO

3-piece Ratchet Adaptor Set

10 ■ 3/8 | 12.5 ■ 1/2 | 6.3 ■ 1/4

- particularly useful when using with sliding bar
- switchable
- can also be used as palm ratchet

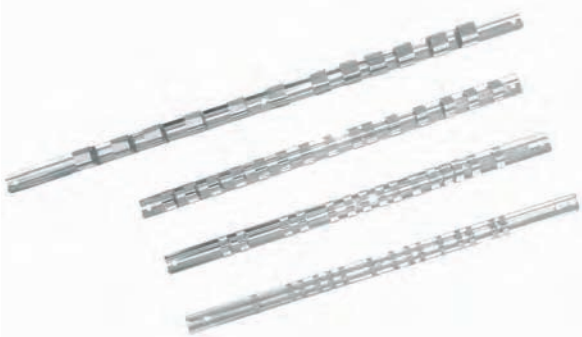
Item #
2302

PRO+

Socket Rails with Clips

- manufactured from metal
- with eye
- suitable for sockets
- (sold loose without sockets)

PRO

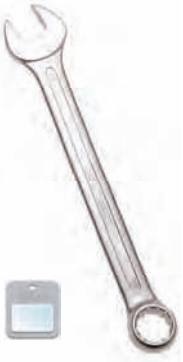


Item #	Description
2316	Socket Rail - 7 Clips, 1/4"
2317	Socket Rail - 7 Clips, 3/8"
2318	Socket Rail - 7 Clips, 1/2"
2120	Socket Rail - 15 Clips, 1/4"
2330	Socket Rail - 15 Clips, 3/8"
2540	Socket Rail - 15 Clips, 1/2"
3460	Socket Rail - 12 Clips, 3/4"

Combination Spanners, DIN 3113

PRO +

CV



Metric	hot forged, Type A, ring end 15° offset	cold forged, Type A, ring end 15° offset	satin finish, Type A, ring end 15° offset	extra long, mirror polished, Type A, ring end 15° offset	cold forged, Type B, deep offset	extra short, stubby Type
6 mm	1056	30556	30506		30106	
7 mm	1057	30557	30507		30107	
8 mm	1058	30558	30508		30108	
9 mm	1059	30559	30509		30109	
10 mm	1060	30560	30510	1228-10	30110	30761
11 mm	1061	30561	30511		30111	30760
12 mm	1062	30562	30512		30112	30762
13 mm	1063	30563	30513	1228-13	30113	30763
14 mm	1064	30564	30514		30114	30764
15 mm	1065	30565	30515		30115	30775
16 mm	1066	30566	30516		30116	30776
17 mm	1067	30567	30517	1228-17	30117	30765
18 mm	1068	30568	30518		30118	30778
19 mm	1069	30569	30519	1228-19	30119	30779
20 mm	1070	30570	30520		30120	
21 mm	1071	30571	30521		30121	
22 mm	1072	30572	30522		30122	
23 mm			30523		30123	
24 mm	1074	30574	30524		30124	
25 mm	1075		30525		30125	
26 mm	1076		30526		30126	
27 mm	1077	30577	30527	1229-27	30127	
28 mm			30528		30128	
29 mm					30129	
30 mm	1080	30578	30530		30130	
32 mm	1082	30579	30532	1229-32	30132	
34 mm		1084				
36 mm		1086				
38 mm		1088				
41 mm		1091				
46 mm		1096				
50 mm		1100				
Inch						
1/4"	30188	30701				
5/16"	30189	30702				
3/8"	30190	30703				30766
7/16"	30191	30704				30767
1/2"	30192	30706				30768
9/16"	30193	30706				30769
5/8"	30194	30707				30770
11/16"	30195	30968				30771
3/4"	30196	30699				30772
13/16"	30197					
7/8"	30198	30700				30773
15/16"	30199					

Hot Forging
Traditional hot forging at temperatures of up to 1200° C.
Perfect formability and stability.

Cold Forging
A high quality steel mixture is formed “cold” without heating the steel externally.
This allows an even higher quality and very little dimension tolerances.

8-piece Combination Spanner Set, in Accordance with DIN 3113, 8-19 mm

- chrome plated
- polished jaws and rings
- 8-9-10-12-13-14-17-19 mm

Packed in a solid cardboard box (as displayed)

Item #
1193

PRO+ CV

12-piece Combination Spanner Set, in Accordance with DIN 3113, 6-22 mm

- chrome plated
- polished jaws and rings
- 6-7-8-9-10-11-12-13-14-17-19-22 mm

Packed in a solid cardboard box (as displayed)

Item #
1194

PRO+ CV

25-piece Combination Spanner Set, in Accordance with DIN 3113A, 6-32 mm

- chrome plated
- polished jaws and rings
- 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

Packed in a solid cardboard box (as displayed)

Item #
1190

PRO+ CV

8-piece Combination Spanner Set, 6-19 mm

- hardened, chrome plated
- polished jaws
- 6-8-10-11-13-14-17-19 mm
- in tetron wallet

Item #
1192

PRO+ CV

12-piece Combination Spanner Set, 6-22 mm

- hardened, chrome plated
- polished jaws
- 6 -7-8-9-10-11-12-13-14-17-19-22 mm
- in tetron wallet

Item #
1197

PRO+ CV

25-piece Combination Spanner Set, 6-32 mm, DIN 3113A

- hardened, chrome plated
- polished jaws
- 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
- in tetron wallet

Item #
1196

PRO+ CV

12-piece Combination Spanner Set, in Accordance with DIN 3113, 6-22 mm

- hardened and chrome plated
- polished jaws & rings
- sizes: 6-7-8-9-10-11-12-13-14-17-19-22 mm

Supplied on a plastic wall holder

Item #
1211

PRO+ CV

12-piece Combination Spanner Set, in Inch Sizes, 1/4" - 15/16"

- hardened, chrome plated
- polished jaws
- 1/4"-5/16"-3/8"-7/16 -1/2"-9/16"-5/8 - 11/16"-3/4"-13/16"-7/8"-15/16"
- in tetron wallet

Item #
1195

PRO+ ZOLL/SAE CV

8-piece Combination Spanner Set, Stubby Type, Inch Sizes, 3/8" - 7/8"

- satin-chrome-finish
- stubby type
- sizes: 3/8" - 7/16" - 1/2" - 9/16" - 5/8" - 11/16" - 3/4" - 7/8"
- in tetron wallet

Item #
32140

PRO ZOLL/SAE CV

6-piece Combination Spanner Set, inch Sizes, 3/8" - 11/16"

- sizes: 3/8 - 7/16 - 1/2 - 9/16 - 5/8 - 11/16"

Packed in an easy-to-use holder

Item #
32100

PRO ZOLL/SAE CV

8-piece WHITWORTH Combination Spanner Set

- mirror polished
- sizes: 1/8" WW, 3/16" WW, 1/4"WW, 5/16"WW, 3/8"WW, 7/16"WW, 1/2"WW, 9/16" WW
- especially for UK vintage cars and tractors
- in tetron wallet

Item #
1199

PRO+ CV

19-piece Combination Spanner Set

- included following sizes:8 - 9 - 10 - 11 - 12 - 13
  14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 24 - 27 - 30
  and 32 mm
- cold forged, hardened
- chrome plated
- in tetron wallet

Item #
30500

PRO+ CV

12-piece Combination Spanner Set

- includes following sizes: 6 - 7 - 8 - 9
  10 - 11 - 12 - 13 - 14 - 17 - 19 and 22 mm
- cold forged, hardened
- chrome matt finish
- in tetron wallet

Item #
30501

PRO+ CV

10-piece Combination Spanner Set, Stubby Type, 10-19 mm

- satin chrome plated
- the short length makes this tool perfect for
  working in areas with little space
- sizes 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm
- in tetron wallet

Item #
1188

PRO CV

14-piece Combination Spanner Set, extra long, 6-19 mm

- chrome plated and **mirror polished**
- extra long in following sizes:
  6 mm (125 mm long), 7 mm (135 mm), 8 mm (145 mm),
  9 mm (155 mm), 10 mm (170 mm), 11 mm (180 mm),
  12 mm (195 mm), 13 mm (205 mm), 14 mm (220 mm),
  15 mm (230 mm), 16 mm (240 mm), 17 mm (255 mm),
  18mm (265 mm), 19 mm (280 mm)
- hardness and torque exceed DIN
- in tetron wallet

PRO+ CV

Item #	Description
1228-10	Combination Spanner, extra long, 10 mm
1228-13	Combination Spanner, extra long, 13 mm
1228-17	Combination Spanner, extra long, 17 mm
1228-19	Combination Spanner, extra long, 19 mm
1228	14-piece Combination Spanner Set, extra long, 6-19 mm

6-piece XXL Combination Spanner Set, extra long, 21-32 mm

- chrome plated and **mirror polished**
- extra long, following sizes:
  21 mm (300 mm long), 22 mm (310 mm), 24 mm (335 mm),
  27 mm (355 mm), 30 mm (420 mm), 32 mm (435 mm)
- hardness and torque exceed DIN
- in tetron wallet

PRO+ CV

Item #	Description
1229-27	Combination Spanner, extra long, 27 mm
1229-32	Combination Spanner, extra long, 32 mm
1229	6-piece XXL Combination Spanner Set, extra long, 21-32 mm

12-piece Combination Spanner Set, Offset Ring, 6-22 mm

- 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 17 - 19 - 22 mm
- deep offset ring ends
- satin chrome plated, ring and open end polished
- according to DIN 3113 ISO 3318, Form B
- cold forged
- in tetron wallet

Item #
30301

PRO+ CV

17-piece Combination Spanner Set, Offset Ring, 8-27 mm

- 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 -16 -
  17 - 18 - 19 - 20 - 21 - 22 - 24 - 27 mm
- deep offset ring ends
- satin chrome plated, ring and open end polished
- according to DIN 3113 ISO 3318, Form B
- cold forged
- in tetron wallet

Item #
30302

PRO+ CV

19-piece Combination Spanner Set, 8-32 mm, satin chrome plated

- 8-9-10-11-12-13-14-15-16-17-18-19-20-21-
  22-24-27-30-32 mm
- satin chrome plated
- in tetron wallet

Item #
1219

PRO+ CV

25-piece Combination Spanner Set, 6-32 mm

- satin chrome finish
- sizes:
  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

In display box

Item #
30100

PRO CV

25-piece Combination Spanner Set, inch Sizes, 1/4" - 1 1/4"

- satin chrome finish
- sizes:
  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"

In display box

Item #
30101

PRO ZOLL/SAE CV

50-piece Spanner Assortment, Inch + Metric Sizes

- satin chrome finish
- cold forged

- 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 "
- 10 C-type spanners:
  8 x 10, 11 x 13, 14 x 15, 17 x 19, 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-type spanners:
  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 stubby type combination spanners:
  10, 12, 13, 14, 17 mm
  3/8", 7/16", 1/2", 9/16", 5/8 "
- in tetron wallet

Item #
32500

PRO ZOLL/SAE CV

6-piece Combination Spanner Set XXL, 34-50 mm

-34-36-38-41-46-50 mm
- in accordance with DIN 3113A
- cold forged

size	spanner length
34	....380 mm
36	....400 mm
38	....400 mm
41	....440 mm
46	....480 mm
50	....530 mm

In plastic holder.

Item #
32400

PRO+ CV

Double Ring and Double Open End Spanners

PRO+

CV

Metric	DIN 838, hot forged, deep offset	DIN 838, cold forged, deep offset	C-Type, cold forged	S-Type, cold forged	DIN 3110, hot forged	DIN 3110, cold forged
6x7 mm	1214-6x7	30206			1184-6x7	30606
8x9 mm	1214-8x9	30208			1184-8x9	30608
8x10 mm			30721			
10x11 mm	1214-10x11	30210		30741	1184-10x11	30610
11x13 mm			30722			
12x13 mm	1214-12x13	30212		30742	1184-12x13	30612
14x15 mm	1214-14x15	30214	30723	30743	1184-14x15	30614
16x17 mm	1214-16x17	30216		30744	1184-16x17	30616
17x19 mm			30724			
18x19 mm	1214-18x19	30218		30745	1184-18x19	30618
20x21 mm						30620
20x22 mm	1214-20x22	30220			1184-20x22	
21x22 mm			30725			
21x23 mm	1214-21x23	30221			1184-21x23	30621
24x27 mm	1214-24x27	30224			1184-24x27	30624
25x28 mm	1214-25x28				1184-25x28	30625
30x32 mm	1214x30x32	30230			1184-30x32	30630
30x34 mm						30631
36x41 mm		30236			1184-36x41	30636
46x50 mm		30246				

Hot Forging
Traditional hot forging at temperatures of up to 1200° C.
Perfect formability and stability.

Cold Forging
A high quality steel mixture is formed “cold” without heating the steel externally.
This allows an even higher quality and very little dimension tolerances.

Double Ring Spanners, extra long

- chrome plated and polished
- higher power transmission by excess length
- ideal for operating on motorcars
- sizes:
  10x11 mm (290 mm long); 12x14 mm (330 mm long)
  13x15 mm (370 mm long); 16x18 mm (410 mm long)
  17x19 mm (410 mm long); 22x24 mm (435 mm long)

PRO+ CV

Item #	Description
1186	6-piece Flat Ring Spanner Set, extra long, 10x11-22x24 mm
1186-10x11	Double Ring Spanner 10x11 mm, 290 mm Length
1186-12x14	Double Ring Spanner 12x14 mm, 330 mm Length
1186-13x15	Double Ring Spanner 13x15 mm, 370 mm Length
1186-16x18	Double Ring Spanner 16x18 mm, 410 mm Length
1186-17x19	Double Ring Spanner 17x19 mm, 410 mm Length
1186-22x24	Double Ring Spanner 22x24 mm, 435 mm Length
1186-21x23	Double Ring Spanner 21x23 mm, 420 mm Length

8-piece "Deep Crank" Double Ring Spanner Set, 6x7-20x22 mm

- chrome plated
- polished rings
- manufactured in accordance with DIN 838
- 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22 mm

Packed in a solid cardboard box (as displayed)

Item #
1213

PRO+ CV

8-piece "Deep Crank" Double-Ring Spanner Set, 6x7-20x22 mm

- hardened, chrome plated
- polished jaws
- 6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22 mm

Packed in a tetron wallet

Item #
1209

PRO+ CV

12-piece "Deep Crank" Ring Spanner Set, 6x7-30x32 mm

- hardened, chrome plated
- polished jaws
- 6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22
  21x23-24x27-25x28-30x32 mm

Packed in a tetron wallet

Item #
1214

PRO+ CV

8-piece "Deep Crank" Double Ring Spanner Set, DIN 838, 6x7-20x22 mm

- chrome plated
- polished rings
- sizes: 6x7, 8x9, 10x11, 12x13, 14x15, 16x17,
  18x19, 20x22 mm

Supplied on a plastic wall holder

Item #
1212

PRO+ CV

8-piece Double Ring Spanner Set, deep offset ends

- cold forged
- spanners made according to DIN 838
- includes following sizes:
  6x7 - 8x9 - 10x11 - 12x13 - 14x15
  16x17 - 18x19 and 20x22 mm
- matt chrome

Packed in a tetron wallet

Item #
30306

PRO+ CV

12-piece Double Ring Spanner Set, 75° offset, 6-32 mm

- ring ends deep offset type
- satin chrome plated, ring ends polished
- according to DIN 838
- cold forged

Packed in a tetron wallet

Item #
30200

PRO+ CV

6-piece Double Ring Spanner Set, 75° offset, SAE sizes, 1/4"-3/4"

- 1/4" x 5/16", 3/8" x 7/16", 1/2" x 9/16", 9/16" x 5/8", 19/32" x 11/16", 11/16" x 3/4"
- ring ends deep offset type
- satin chrome plated, ring ends polished
- according to DIN 838
- cold forged

Packed in a tetron wallet

Item #
32105

PRO+ ZOLL/SAE CV

8-piece Double Ring Spanner Set, extra flat, 6-22 mm

- extra flat
- 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22 mm

Packed in a tetron wallet

Item #
30300

PRO+ CV

3-piece Obstruction Ring Spanner Set, 10x13-17x19 mm

- satin chrome plated
- cold forged
- sizes: 10x13, 14x15, 17x19 mm

Packed in a tetron wallet

Item #
1215

PRO CV

5-piece Obstruction Ring Spanner Set, 8x10-21x22 mm

- satin chrome plated
- cold forged
- sizes: 8x10, 11x13, 14x15, 17x19, 21x22 mm

Packed in a tetron wallet

Item #
1217

PRO CV

5-piece Obstruction Ring Spanner Set, Inch Sizes 1/4" - 7/8"

- satin chrome plated
- cold forged
- sizes: 1/4"x5/16", 3/8"x7/16", 1/2"x9/16", 5/8"x11/16", 3/4"x7/8"

Packed in a tetron wallet

Item #
1222

PRO+ ZOLL/SAE CV

5-piece S-type Ring Spanner Set, 10x11-18x19 mm

- satin chrome plated
- cold forged
- sizes: 10x11, 12x13, 14x15, 16x17 ,18x19 mm

Packed in a tetron wallet

Item #
1216

PRO+ CV

5-piece S-Type Ring Spanner Set, Inch Sizes, 3/8" - 3/4"

- satin chrome plated
- cold forged
- sizes:
  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"

Packed in a tetron wallet

Item #
32150

PRO+ ZOLL/SAE CV

6-piece "Deep Cranked" Double Ring Spanner Set for E-Type Screws, E6-E24

- satin chrome plated
- E6xE8, E7xE11, E10xE12, E14xE18, E16xE22, E20xE24

Item #
2281

PRO+ CV

6-piece Double Ring Spanners for E-Type Screws (external), E6xE8-E20xE24

- satin chrome plated
- straight and flat
- sizes: E6xE8, E7xE11, E10xE12, E14xE18, E16xE22, E20xE24

Item #
2268

PRO+ CV

4-piece Double Ring Spanners for E-Type Screws (external), E6xE8-E20xE24

- satin chrome plated
- straight and flat
- sizes: E6xE8, E10xE12, E14xE18, E20xE24

Item #
2264

PRO+ CV

Ring Spanners for E-Type Screws, loose

- satin chrome plated
- straight and flat

PRO+ CV

Item #	Description
2260	Ring Spanner for E-Type Screws (external), loose, E6xE8
2265	Ring Spanner for E-Type Screws (external), loose, E7xE11
2261	Ring Spanner for E-Type Screws (external), loose, E10xE12
2266	Ring Spanner for E-Type Screws (external), loose, E16xE22
2262	Ring Spanner for E-Type Screws (external), loose, E14xE18
2263	Ring Spanner for E-Type Screws (external), loose, E20xE24

6-piece Open End Spanner Set, in Accordance with DIN 3110, 6x7-17x19 mm

- chrome plated
- polished jaws
- 6x7, 8x9, 10x11, 12x13, 14x15, 17x19 mm

Packed in a cardboard box

Item #
1179

PRO+ CV

8-piece Open End Spanner Set, in Accordance with DIN 3110, 6x7-20x22 mm

- chrome plated
- polished jaws
- 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22 mm

Packed in a cardboard box

Item #
1181

PRO+ CV

12-piece Open End Spanner Set, in Accordance with DIN 3110, 6x7-27x32 mm

- chrome plated
- polished jaws
- 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28, 30x32 mm

Packed in a cardboard box

Item #
1183

PRO+ CV

12-piece Open End Spanner Set, 6x7-30x32 mm

- hardened, chrome plated
- polished jaws
- 6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22 21x23-24x27-25x28-30X32 mm

Packed in a tetron wallet

Item #
1184

PRO+ CV

8-piece Open End Spanner Set, 6x7-20x22 mm

- hardened, chrome plated
- polished jaws
- 6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22 mm

Packed in a tetron wallet

Item #
1182

PRO+ CV

8-piece Double Open End Spanner Set, 6 - 22 mm

- sizes: 6x7, 8x9, 10x11, 12x13, 14x15
  16x17, 18x19, 20x22 mm
- chrome vanadium
- made according to DIN 3110
- matt chrome finish
- cold forged
- in tetron wallet

Item #
30600

PRO+ CV

12-piece Double Open End Spanner Set, 6 - 32 mm

- sizes: 6x7, 8x9, 10x11, 12x13, 14x15, 16x17
  18x19, 20x22, 21x23, 24x27, 25x28, 30x32 mm
- chrome vanadium
- made according to DIN 3110
- matt chrome finish
- cold forged
- in tetron wallet

Item #
30601

PRO+ CV

3-piece 4 in 1 Rachet Ring Spanner Set

- 3 wrenches with 4 sizes each
- 8 x 9 - 10 x 11 mm
- 12 x 13 - 14 x 15 mm
- 16 x 17 - 18 x 19 mm
- reversible
- in pouch

Item #
1556

PRO+ CV

Reversible Ratchet Wrench, 4 in 1

- satin chrome finish
- each wrench contains 4 key sizes

PRO+ CV

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

Ratchet Wrench

- 72 tooth
- 12-pt.

PRO+ CV

Item #	Description
1578	Ratchet Wrench, single, 8 mm
1579	Ratchet Wrench, single, 9 mm
1580	Ratchet Wrench, single, 10 mm
1581	Ratchet Wrench, single, 11 mm
1582	Ratchet Wrench, single, 12 mm
1583	Ratchet Wrench, single, 13 mm
1584	Ratchet Wrench, single, 14 mm
1585	Ratchet Wrench, single, 15 mm
1586	Ratchet Wrench, single, 16 mm
1587	Ratchet Wrench, single, 17 mm
1588	Ratchet Wrench, single, 18 mm
1589	Ratchet Wrench, single, 19 mm
1591	Ratchet Wrench, single, 21 mm
1592	Ratchet Wrench, single, 22 mm
1694	Ratchet Wrench, single, 24 mm
1697	Ratchet Wrench, single, 27 mm
1700	Ratchet Wrench, single, 30 mm
1702	Ratchet Wrench, single, 32 mm

14-piece Ratchet Wrench Set, 8-24 mm

- 8, 10, 12, 13, 15, 16, 17, 19, 22, 24 mm
- with 3 adaptors to 1/4", 3/8", 1/2" - square
- with quick release
- 3 ratchets in one
- 1 adaptor for 1/4" bits
- fine 72 tooth

Item #
1598

PRO+ CV

12-piece Ratchet Wrench Set, 8-19 mm

- 72 tooth
- 8-9-10-11-12-13-14-15-16-17-18-19 mm

Item #
30900

PRO+ CV

13-piece Ratchet Wrench Set, 8-32 mm

- sizes: 8-10-12-13-14-17-19-21-22-24-27-30-32 mm
- fine toothed (72 tooth)

Item #
1593

PRO+ CV

7-piece Ratchet Wrench Set, 8-19 mm

- satin chrome plated
- double hex. ratcheting ring
- sizes:8-10-12-13-14-17-19 mm

Packed in a attractivly designed retail case

Item #
1596

PRO+ CV

Ratchet Wrench, reversible

- satin chrome finish

PRO+ CV

Item #	Description
30908	8 mm Combination Spanners with Reversible Ratchet Ring
30909	9 mm Combination Spanners with Reversible Ratchet Ring
30910	10 mm Combination Spanners with Reversible Ratchet Ring
30911	11 mm Combination Spanners with Reversible Ratchet Ring
30912	12 mm Combination Spanners with Reversible Ratchet Ring
30913	13 mm Combination Spanners with Reversible Ratchet Ring
30914	14 mm Combination Spanners with Reversible Ratchet Ring
30915	15 mm Combination Spanners with Reversible Ratchet Ring
30916	16 mm Combination Spanners with Reversible Ratchet Ring
30917	17 mm Combination Spanners with Reversible Ratchet Ring
30918	18 mm Combination Spanners with Reversible Ratchet Ring
30919	19 mm Combination Spanners with Reversible Ratchet Ring

12-piece Ratchet Wrench Set, 8-19 mm, reversible

- sizes: 8-9-10-11-12-13-14-15-16-17-18-19 mm
- satin chrome finish

Item #
30902

PRO+

12-piece Ratchet Wrench Set, adjustable up to 90° Offset, 8-19 mm

- satin chrome plated
- ratchet is continiously adjustable up to 90° offset
- fine 72 tooth
- double hex.

PRO+ CV

Item #	Description
1558	Ratchet Wrench, single, adjustable, 8 mm
1559	Ratchet Wrench, single, adjustable, 9 mm
1560	Ratchet Wrench, single, adjustable, 10 mm
1561	Ratchet Wrench, single, adjustable, 11 mm
1562	Ratchet Wrench, single, adjustable, 12 mm
1563	Ratchet Wrench, single, adjustable, 13 mm
1564	Ratchet Wrench, single, adjustable, 14 mm
1565	Ratchet Wrench, single, adjustable, 15 mm
1566	Ratchet Wrench, single, adjustable, 16 mm
1567	Ratchet Wrench, single, adjustable, 17 mm
1568	Ratchet Wrench, single, adjustable, 18 mm
1569	Ratchet Wrench, single, adjustable, 19 mm

12-piece Ratchet Wrench Set, adjustable up to 90° Offset, 8-19 mm

- 72 tooth
- 8-9-10-11-12-13-14-15-16-17-18-19 mm
- with flexible heads 90° adjustable

Item #
30950

PRO+ CV

8-piece Combination Spanners Set with Reversible Ratchet, 8 - 19 mm

- sizes: 8 - 10 - 12 - 13 - 14 - 15 - 17 - 19 mm
- short, slightly angled design
- reversible
- satin chrome finish
- In folding bag with zipper

Item #
30720

PRO+ CV

Ratchet Wrenches, short type, reversible

- reversible
- satin chrome finish
- chrome vanadium

PRO+ CV

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

Ratchet Wrenches, open

- for use on tubes and pipes
- chrome vanadium

PRO+ CV

Item #	Description
30828	Ratchet Wrench, open, 8 mm
30830	Ratchet Wrench, open, 10 mm
30831	Ratchet Wrench, open, 11 mm
30832	Ratchet Wrench, open, 12 mm

Ratchet Wrench Set, with interchangeable, flexible heads

- ideal for working in confined spaces
- 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

Item #
2258

PRO+ CV

4-piece Double Ratchet Wrench Set, adjustable,10-19 mm

- satin chrome plated
- fine 72 tooth
- double hex.
- 10x11 - 12x13 - 14x15 - 17x19 mm
- ratchet is continiously adjustable up to 90° offset

Item #
30990

PRO+ CV

10-pc. Double Swivel Head Ratchet Wrench Set, 8-19 mm

- extra long / with swivel heads
- 3 socket adaptors included: 1/4" - 3/8" - 1/2"
- contains sizes:
  8x9 mm (length: 237 mm), 10x11 mm (length: 294 mm)
  12x13 mm (length: 327 mm), 14x15 mm (length: 370 mm)
  16x18 mm (length: 409 mm), 17x19 mm (length: 412 mm)

Item #
1541

PRO+ CV

4-piece E-Type Double Ended Ratchet Wrench Set

- E6xE8, E10xE12, E14xE18, E20xE24
- fine 72 tooth

Item #
2244

PRO+ CV

E-Type Ratchet Wrenches

- fine 72 tooth

PRO+ CV

Item #	Description
2244-6x8	E-Type Ratchet Wrench, E6xE8
2244-10x12	E-Type Ratchet Wrench, E10xE12

19-piece "Doubleside" Ratchet Wrench Set

- 1 double ratchet wrench 14x19 mm with 72 tooth
- can be used for tightening and losening
- replaces up to 18 single tools
- inserts for 14 mm reception:
  - hex 8-9-10-11-12 mm
  - E-type E8-10-11-12-14
- inserts for 19 mm reception:
  - hex 13-15-16-17 mm
  - E-type E16-18-20-22

In aluminium case

Item #
1555

PRO+ CV

Doubleside Ratchet Wrench, 14x19 mm

- double ratchet wrench 14x19 mm with 72 tooth
- from BGS-1555

Item #
1555-1

PRO+ CV

4-piece Adaptor Set for Ratchet Wrenches

- 3 adaptors:
  1/4" square (fits 10 mm ratchet wrenches),
  3/8" square (fits 13 mm ratchet wrenches),
  1/2" square (fits 19 mm ratchet wrenches),
- with quick-release button
- can substitute 3 ratchet handles if used with ratchet wrenches
- 1 bit adaptor for 1/4" bits (fits 10 mm ratchet wrenches)
- mirror polished

Item #
8210

PRO+ CV

Flare Nut Wrenches

- hexagon
- chrome plated
- offset at 15°

PRO+ CV

Item #	Description
1755	Flare Nut Wrenches, 2-piece Set, 10x11+12x13 mm
1750	Flare-Nut Wrench 10x11 mm
1751	Flare-Nut Wrench 12x13 mm
1752	Flare-Nut Wrench 15x17 mm

6-piece Flare Nut Spanner Set

- satin chrome finish
- 8x9, 10x11, 12x13, 14x15, 16x17, 18x19
- for brake line screws

In tetron wallet

Item #
1745

PRO+ CV

6-piece Flare Nut Spanner Set, 8x10-17x19 mm

- suitable for daily workshop use
- satin chrome plated
- sizes:
  8 x 10 mm, 9 x 11 mm, 12 x 13 mm,
  14 x 15 mm 16 x 18 mm, 17 x 19 mm

Packed in a wallet

PRO+ CV

Item #	Description
1761	6-piece Flare Nut Spanner Set
1761-8x10	Flare Nut Spanner 8 x 10 mm
1761-9x11	Flare Nut Spanner 9 x 11 mm
1761-12x13	Flare Nut Spanner 12 x 13 mm
1761-14x15	Flare Nut Spanner 14 x 15 mm
1761-16x18	Flare Nut Spanner 16 x 18 mm
1761-17x19	Flare Nut Spanner 17 x 19 mm

4-piece Flare Nut Spanner Set, 15° Offset, Inch

- satin chrome finish
- 5/16" x 3/8", 7/16" x 1/2", 9/16" x 5/8", 11/16" x 3/4"
- for brake line screws

Packed in a tetron wallet

Item #
1782

PRO+ ZOLL/SAE CV

11 mm Line Wrench / Brake Pipe Wrench with Ratcheting Function

- brand new item, ring ends with **ratcheting function**
- lenght 160 mm, one side with straight and one with flexible ring end
- **rings can be opened to fit around a pipe**
- an internal spring ensures the ring closes securely around the nut
- the more pressure you put on the tools in the driving direction, the tighter the head closes around the nut; this prevents tool slipping unnecessarily

Item #
1754

PRO+

Brake Pipe Wrench with Ratcheting Function, 10x11 mm

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

Item #
1722

PRO+

6-piece Flexible Brake Spanner Set, Metric Sizes

- with flexible end ends- continously adjustable
- metric sizes 9 x 11 mm, 10 x 12 mm, 13 x 14 mm, 15 x 17 mm, 16 x 18 mm, 19 x 21 mm

In plastic holder

Item #
30410

PRO+ CV

4-piece Line Wrench / Brake Pipe Wrench Set with Ratcheting Function

- sizes: 8x9 mm (125 mm long), 10x11 mm (160 mm long) 12x13 mm (180 mm long), 14x15 mm (210 mm long)
- brand new item, ring ends with **ratcheting function**
- both sides flexible ring end
- **rings can be opened to fit around a pipe**
- an internal spring ensures the ring closes securely around the nut
- the more pressure you put on the tools in the driving direction, the tighter the head closes around the nut; this prevents slipping over the nut
- wrench holds the long side of the nut, so it works also on nuts with damaged corners

Item #
1785

PRO+ CV

Gearless Ratchet Wrenches

- chrome plated, polished

PRO+ CV

Item #	Description
1490	Gearless Ratchet Wrench, 10 mm
1492	Gearless Ratchet Wrench, 12 mm
1493	Gearless Ratchet Wrench, 13 mm
1494	Gearless Ratchet Wrench, 14 mm
1495	Gearless Ratchet Wrench, 15 mm
1496	Gearless Ratchet Wrench, 16 mm
1497	Gearless Ratchet Wrench, 17 mm
1498	Gearless Ratchet Wrench, 18 mm

8-piece Box Spanner Set, 6x7-20x22 mm

- forged
- satin chrome plated
- sizes: 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22 mm

Supplied in a wallet

Item #
1218

PRO

6-piece Doube Ring Spanner Set with flexible Heads

- 12 point sockets
- sizes: 8x9, 10x11, 12x13, 14x15, 16x17, 18x19 mm

Packed in a tetron wallet

Item #
1201

PRO+ CV

18-piece Combination Ring Spanner Set

- asssortment consists of double ended flexible socket and combination spanners
- combination spanners: 8-9-10-11-12-13-14-15-16-17-18-19 mm
- flex. socket spanners: 8x9, 10x11, 12x13, 14x15, 16x17, 18x19 mm

Item #
1200

PRO+ CV

Adjustable Wrenches, soft rubber Handle

- satin nickel plated
- with milimeter scale

PRO+

Item #	Description
1440	Adjustable Wrench, Soft Rubber Handle, 6"
1441	Adjustable Wrench, Soft Rubber Handle, 8"
1442	Adjustable Wrench, Soft Rubber Handle, 10"
1443	Adjustable Wrench, Soft Rubber Handle, 12"

10-piece 3/8" Crowfoot Spanner Set, 10-19 mm

10 ■ 3/8

- chrome plated
- supplied on rail
- 10 - 11 - 12 - 13 - 14 - 15 -16 -17 - 18 - 19 mm

Item #
1756

PRO+

3/8" Crowfoot Spanners

10 ■ 3/8

- satin chrome plated

PRO+ CV

Item #	Description
1756-10	3/8" Crowfoot Spanner, 10 mm
1756-11	3/8" Crowfoot Spanner, 11 mm
1756-12	3/8" Crowfoot Spanner, 12 mm
1756-13	3/8" Crowfoot Spanner, 13 mm
1756-14	3/8" Crowfoot Spanner, 14 mm
1756-15	3/8" Crowfoot Spanner, 15 mm
1756-16	3/8" Crowfoot Spanner, 16 mm
1756-17	3/8" Crowfoot Spanner, 17 mm
1756-18	3/8" Crowfoot Spanner, 18 mm
1756-19	3/8" Crowfoot Spanner, 19 mm

1/2" Crowfoot Spanners

12.5 ■ 1/2

- satin chrome plated
- full set available: Item# 1757

PRO+ CV

Item #	Description
1757-20	1/2" Crowfoot Spanner, 20 mm
1757-21	1/2" Crowfoot Spanner, 21 mm
1757-22	1/2" Crowfoot Spanner, 22 mm
1757-23	1/2" Crowfoot Spanner, 23 mm
1757-24	1/2" Crowfoot Spanner, 24 mm
1757-25	1/2" Crowfoot Spanner, 25 mm
1757-26	1/2" Crowfoot Spanner, 26 mm
1757-27	1/2" Crowfoot Spanner, 27 mm
1757-28	1/2" Crowfoot Spanner, 28 mm
1757-30	1/2" Crowfoot Spanner, 30 mm
1757-32	1/2" Crowfoot Spanner, 32 mm

7 piece Crowfoot Spanner Set, 1/2" + 3/4"

20 ■ 3/4 12.5 ■ 1/2

- includes:
  - crowfoot spanner
    33, 36 - 1/2 drive
    28, 41, 46 - 3/4 drive
  - 1/2 extension bar
  - 3/4 extension bar

PRO+ CV

Item #	Description
1759-33	1/2" Crowfoot Spanner, 33 mm
1759-36	1/2" Crowfoot Spanner, 36 mm
1759-38	3/4" Crowfoot Spanner, 38 mm
1759-41	3/4" Crowfoot Spanner, 41 mm
1759-46	3/4" Crowfoot Spanner, 46 mm
1759-50	3/4" Crowfoot Spanner, 50 mm
1759	7 piece Crowfoot Spanner Set, 1/2" + 3/4"

13-piece 1/2" Crowfoot Spanner Set, 20-32 mm

12.5 ½

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

Item #
1757

PRO+ CV

7-piece Flexitool Set, 12-pt, 8-17 mm

- completely new versatile pliers set
- 8 - 10 - 12 -13 -14 -15 and 17 mm
- can also used for inch screws in sizes:
  5/16 - 3/8 - 15/32 - 1/2 - 9/16 - 19/32 - 21/32 inches
- especially suitable for fixed nuts and screws with
  rounded 6 - or 12-point drives, or other screw types
  e.g. 4-point, T-Star
- **made in Sweden from Swedish spring steel**
- length: 125 - 220 mm
- dip-coated handles

Item #
5288

PRO+

Holders for Combination Spanners

- manufactured from black plastic

PRO

Item #	Description
1176	12-piece Holder for Combination Spanners
1177	15-piece Holder for Combination Spanners

8-piece Holder for Combination Spanners

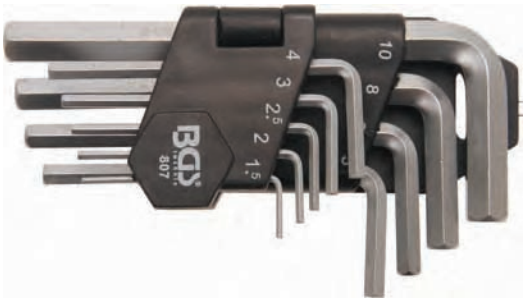
- manufactured from plastic
- locking mechanism

Item #
1175

PRO

9-piece Internal Hexagon Key Sets, 1.5-10 mm

In foldable plastic holder



Item #	Description
807	9-piece Internal Hexagon Key Set, 1.5-10 mm
808	9-piece Internal Hexagon Key Set, extra long, Straight Ends, 1.5-10 mm

8-piece Internal Hexagon Key Sets, 2-10 mm

- 2 - 10 mm
- long side with ball end
- in holder, can also be used as T-Handle

Item #	Description
801	8-piece Internal Hexagon Key Set, 2-10 mm, extra long
802	8-piece Internal Hexagon Key Set, 2-10 mm

9-piece Internal Hexagon Key Set, extra long, 1.5-10 mm

- long side with ball end
- 1,5-2-2,5-3-4-5-6-8-10 mm

Supplied in a foldable plastic holder

Item #
790

9-piece Internal Hexagon Key Set, in INCH, 1/16"-3/8"

- chrome plated
- long side with ball end
- inch sizes
  1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8"

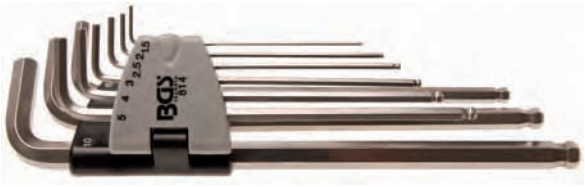
Supplied in a foldable plastic holder

Item #
799

9-piece Internal Hexagon Key Set, extra long, Stainless Steel

- ideal for use in wet locations
- made of stainless steel
- long side with ball end
- sizes 1.5 - 10 mm

Supplied in a foldable plastic holder



Item #
814

PRO+

10-piece Internal Hexagon Key Set - XL, 3x130-17x340 mm

- chrome plated
- forged
- for int hex. screws
- contents (size x length):
  3x130 mm, 4x145 mm, 5x165 mm, 6x185 mm,
  7x195 mm, 8x210 mm, 10x230 mm, 12x265 mm,
  14x290 mm, 17x335 mm

Item #
795

PRO+ CV

9-piece Internal Hexagon Key Set

- 1,5 - 2 -2,5 - 3 -4 - 5 - 6 - 8 - 10 mm
- anti slip color coding
- extra long
- long end with strong magnet and ball end

Supplied in a foldable plastic holder

Item #
35100

PRO+ CV

8-piece T-Handle Wrench Set, Internal Hexagon, 2-10 mm

- 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
- two-sided use, short and long shaft
- ergonomic handles
- metal bracket with mounting holes

Item #
8484

PRO+ CV

T-Handle Wrench for Hexagon Screws

- ergonomic 2-component handle

PRO+ CV

Item #	Description
4010-1	T-Handle Wrench for Hexagon Screws, 2 mm, Length 90 mm
4010-2	T-Handle Wrench for Hexagon Screws, 2.5 mm, Length 100 mm
4010-3	T-Handle Wrench for Hexagon Screws, 3 mm, Length 105 mm
4010-4	T-Handle Wrench for Hexagon Screws, 4 mm, Length 120 mm
4010-5	T-Handle Wrench for Hexagon Screws, 5 mm, Length 140 mm
4010-6	T-Handle Wrench for Hexagon Screws, 6 mm, Length 160 mm
4010-7	T-Handle Wrench for Hexagon Screws, 7 mm, Length 170 mm
4010-8	T-Handle Wrench for Hexagon Screws, 8 mm, Length 175 mm
4010-9	T-Handle Wrench for Hexagon Screws, 10 mm, Length 200 mm

6-piece Bendable Hexagon Wrench Set, 3-10 mm

- chrome plated
- long side with ball head
- sizes: 3 - 4 - 5 - 6 - 8 - 10 mm
- S2 special steel
- in wallet

Item #
8429

PRO+ CV

9-piece Internal Hexagon Twist Key Set

- 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm
- both ends bent 90° in opposite angles, thus allowing to work in tight space conditions
- extra short ends
- extra long body
- anti-slip coating

In plastic holder

Item #
35120

PRO+ CV

5-piece Internal Hexagon T-Handle Key Set, 3x100-8x200 mm

- satin chrome plated
- ergonomically shaped T-handles
- sizes: 3x100 mm, 4x100 mm, 5x150 mm, 6x150 mm, 8x200 mm

Item #
773

PRO+ CV

9-piece T-STAR Key Set, T10-50

- extra long type
- T10-15-20-25-27-30-40-45-50
- not tamperproof

Supplied in a foldable holder

Item #
793

PRO+ CV

9-piece T-STAR Key Set, tamperproof, T10-50

- black tips
- T10-T50

Supplied in a foldable holder

PRO+ CV

Item #	Description
794	9-piece T-STAR Key Set, long side tamperproof, extra long, T10-50
809	9-piece T-STAR Key Set, long side tamperproof, T10-T50

9-piece TS-Star Key Set, tamperproof

-5 star profile, matt finished
- extra long (up to 235 mm), tamperproof
- TS 10, TS 15, TS 20, TS 25, TS27, TS 30, TS 40, TS 45, TS 50

Item #
777

PRO+ CV

9-piece T-Star Key Set

- T10 - T15 - T20 - T25 - T27 - T30 - T40 - T45 - T50
- short end is tamperproof
- anti slip color coding
- extra long
- **long end with strong magnet**
- with belt clip

Item #
35105

PRO+ CV

9-piece T-STAR Key Set, Ball Head

- sizes: T10-15-20-25-27-30-40-45-50

Item #	Description
811	9-piece T-STAR Key Set, Ball Head, T10-50
812	9-piece T-STAR Key Set, Ball Head, "extra long", T10-T50

8-piece T-STAR Key Set, tamperproof, Short Type, T10-50

- short finish
- both ends tamperproof
- 3-way holder (as displayed)

Item #
804

8-piece T-STAR Key Sets, extra long, T10-50

- satin chrome plated
- sizes:
  T10: 86x17 mm, T15: 90x18 mm, T20: 95x19 mm,
  T25: 100x20 mm, T30: 114x24 mm, T40: 124x26 mm,
  T45: 133x29 mm, T50: 152x32 mm
- 3-way holder (as displayed)

Item #	Description
805	8-piece T-STAR Key Set, tamperproof, extra long, T10-50
806	8-piece T-STAR Key Set, not tamperproof, extra long, T10-50

8-piece Bendable T-Star Wrench Set, T20-50

- chrome plated
- short side with hole
- sizes: T20 - T25 - T30 - T40 - T45 - T50
- S2 special steel

In wallet

Item #
8428

8-piece T-Handle Wrench Set, T-Star, T10 - T50

- 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
- two-sided use, short and long shaft
- ergonomic handles
- metal bracket with mounting holes

Item #
8485

PRO+ CV

T-Handle Wrench for T-STAR Screws

- ergonomic 2-component handle

PRO+ CV

Item #	Description
4010-10	T-Handle Wrench for T-STAR Screws, T10, Length 100 mm
4010-11	T-Handle Wrench for T-STAR Screws, T15, Length 115 mm
4010-12	T-Handle Wrench for T-STAR Screws, T20, Length 120 mm
4010-13	T-Handle Wrench for T-STAR Screws, T25, Length 130 mm
4010-14	T-Handle Wrench for T-STAR Screws, T27, Length 140 mm
4010-15	T-Handle Wrench for T-STAR Screws, T30, Length 150 mm
4010-16	T-Handle Wrench for T-STAR Screws, T40, Length 160 mm
4010-17	T-Handle Wrench for T-STAR Screws, T45, Length 175 mm
4010-18	T-Handle Wrench for T-STAR Screws, T50, Length 200 mm

7-piece Key Set for Ribe Screws, M 4-10

- sizes: M 4-5-6-7-8-9-10
- supplied in a plastic holder (as displayed)

Item #
800

PRO+

9-piece T-Handle Socket Set

- 6, 7, 8, 9, 10, 11, 12, 13 and 14 mm
- external hexagon for additional force
- length 230 mm

Item #
7801

PRO+ CV

T-Handle Socket Wrenches, hexagon

- extra heavy plastic handles
  with hanging holes
- outer hex for additional force

PRO+ CV

Item #	Description
7806	Socket-hex. T-Handle Key, 6x230 mm
7807	Socket-hex. T-Handle Key, 7x230 mm
7808	Socket-hex. T-Handle Key, 8x230 mm
7809	Socket-hex. T-Handle Key, 9x230 mm
7810	Socket-hex. T-Handle Key, 10x230 mm
7811	Socket-hex. T-Handle Key, 11x230 mm
7812	Socket-hex. T-Handle Key, 12x230 mm
7813	Socket-hex. T-Handle Key, 13x230 mm
7814	Socket-hex. T-Handle Key, 14x230 mm

12-piece Screwdriver Set

- End-to-end blades with hexagon
- ergonomically shaped "soft grip" handle
- sizes: (length without handle and hex.)
  plain slot : 3.2x72 mm; 5.0x75 mm; 6.0x100 mm;
  6.0x38 mm; 8.0x150 mm; 9.5x200 mm
  cross slot: #0x75 mm; #1x75 mm; #2x100;
  #2x38 mm, #3x150 mm, #4x 200 mm

Item #
7895

PRO+ CV

Professional Screwdriver, with Hexagon

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

PRO+ CV

Item #	Description
7910	Screwdriver, PH No. 0x75 mm
7911	Screwdriver, PH No. 1x75 mm, with Hexagon
7912	Screwdriver, PH No. 2x38 mm, with Hexagon
7913	Screwdriver, PH No. 2x100 mm, with Hexagon
7914	Screwdriver, PH No. 3x150 mm, with Hexagon
7915	Screwdriver, PH No. 4x200 mm, with Hexagon
7916	Screwdriver, Plain 3.2x75 mm
7917	Screwdriver, Slotted 5x75 mm, with Hexagon
7918	Screwdriver, Slotted 6x38 mm, with Hexagon
7919	Screwdriver, Slotted 6x100 mm, with Hexagon
7920	Screwdriver, Slotted 8x150 mm, with Hexagon
7921	Screwdriver, Slotted 9,5x200 mm, with Hexagon

Professional Screwdrivers

- anti-slip two-component handles
- with 6.3 (1/4) inner square on top of the handle
- from PRO+ tool cabinet BGS 4050

PRO+ CV

Item #	Description
4901	Screwdriver, Slotted 3 x 100 mm
4902	Screwdriver, Slotted 5 x 75 mm
4903	Screwdriver, Slotted 6x38 mm, with Hexagon
4904	Screwdriver, Slotted 6 x 100 mm
4905	Screwdriver, Slotted 8 x 150 mm
4906	Screwdriver, Slotted 10 x 200 mm
4907	Screwdriver, PH No. 0 x 100 mm
4908	Screwdriver, PH No. 1 x 75 mm
4909	Screwdriver, PH No. 2 x 38 mm
4910	Screwdriver, PH No. 2 x 100 mm
4911	Screwdriver, PH No. 3 x 150 mm
4912	Screwdriver, PH No. 4 x 200 mm
4913	Screwdriver, T6 x 80 mm
4914	Screwdriver, T7 x 80 mm
4915	Screwdriver, T8 x 80 mm
4916	Screwdriver, T9 x 80 mm
4917	Screwdriver, T10 x 80 mm
4918	Screwdriver, T15 x 80 mm
4919	Screwdriver, T20 x 80 mm
4920	Screwdriver, T25 x 80 mm
4921	Screwdriver, T27 x 100 mm
4922	Screwdriver, T30 x 100 mm
4923	Screwdriver, T40 x 150 mm

Workshop Screwdrivers

- chrome plated
- with black finish tips
- rubber coated power handle, black

PRO+ CV

Item #	Description
7930	Screwdriver, Plain Slot 60x3 mm
7931	Screwdriver, Plain Slot 80x4 mm
7932	Screwdriver, Plain Slot 125x5.5 mm
7933	Screwdriver, Plain Slot 150x6.5 mm
7934	Screwdriver, PH #1x80 mm
7935	Screwdriver, PH #2x100 mm
7936	Screwdriver, PZ #1x80 mm
7937	Screwdriver, PZ #2x100 mm
7938	Screwdriver, PH #3x150 mm
7939	Screwdriver, PZ-type #3x150 mm

5-piece Workshop Screwdriver Set

- black, magnetic tips
- sizes:
  cross slot #1 x 80 mm; cross slot #2 x 100 mm
  plain slot 4.0x80 mm, 5.5x125 mm, 6.5x150 mm

Item #
7945

PRO+ CV

7-piece Screwdriver Set PH & PZ

- professional PH & PZ screwdriver set
- magnetic tips
- sizes:
  PH1x80 - PH2x100 and PH3x150 mm
  slotted 4x80 - 5.5x125 - 6.5x150 and 8 mmx200 mm

Item #
7947

PRO+ CV

2-piece VDE Electrician's Screwdriver Set

- VDE approved according to DIN EN 60900
- 1 PH2 x 100 mm
- 1 slotted 4 x 100 mm

Item #
35812

PRO+

5-piece VDE Electrician's Screwdriver Set

- VDE approved according to DIN EN 60900
- 1 PH1 x 80 mm
- 1 PH2 x 100 mm
- 1 slotted 0.5 x 3 x 75 mm
- 1 slotted 0.8 x 4 x 100 mm
- 1 voltage tester with clip

Item #
35815

PRO+

6-piece Workshop Screwdriver Set, Stainless Steel

- includes:
  - plain slot 3 x 75 mm, 6 x 100 mm
  - PH and PZ screwdriver: 1 x 75 mm, 2 x 100 mm
- ideal for use in humid work conditions
- made of stainless steel

Item #
7949

PRO+

7-piece Precision Screwdriver Set, T-Star

- use whereever precise work is required
  like e.g. in model making, electronics etc.
- T6x50 - T7x50 - T8x50 - T9x50 - T10x50 - T15x50 - T20x50

Item #
7967

PRO+ CV

19-piece Special T-Handle Screwdriver Set

- 2-way handle
- bit adaptor
- bit holder
- 8 double ended bit blades, 175 mm:
  int. hex. 3,4,5,6 mm with and without ball head,
  int. hex. 7 mm ball head + int. hex.1/4"
  plain slot 4,5 + 6,5 mm
- T25-27-30-40
- 8 socket spanner blades:
  5-6-7-8-10-11-12-13 mm

PRO+ CV

Item #	Description
7985	19-piece Special T-Handle Screwdriver Set
7985-1	T-Handle from BGS 7985

8-piece T-Star Screwdriver Set, T8 - T40

- professional T-Star screwdriver set
- magnetic tips
- includes following sizes:
  T8 and T9 x 60 mm
  T10 and T15 x 80 mm
  T20 and T25 x 100 mm
  T30 x 125 mm
  T40 x 150 mm

Item #
7948

PRO+ CV

T-STAR Screwdrivers

- tamperproof
- rubber coated handle
- from set 7848 & 2271

PRO+ CV

Item #	Description
7850	T-STAR Screwdriver T8
7851	T-STAR Screwdriver T10
7852	T-STAR Screwdriver T15
7853	T-STAR Screwdriver T20
7854	T-STAR Screwdriver T25
7855	T-STAR Screwdriver T27
7856	T-STAR Screwdriver T30
7857	T-STAR Screwdriver T40

8-piece TS and T-Star Screwdriver Set with exchangeable Blades

- one double ended blade with TS-/T profile in each of the following sizes: 10-15-20-25-27-30-40
- all blades with tamperproof heads
- one handle fits all sizes
- length: 300 mm

Item #
2325

PRO+ CV

Electronic Precision Bit Set, 11-pcs.

- contents:
  - ergonomic handle
  - 70 mm extension with hexagon shaft
  - T-Star bits T4 - T5 - T6 - T7
  - slotted bits 1.5 - 2.0 - 2.5 mm
  - PH bits 00 - 0 - 1
- bits with 4 mm hex shaft, color coded

Item #
8452

PRO+ CV

Special Screw Driver Set, 4pcs., T-Star & Internal Hexagon

- especially for headlight adjustment
- dual position handle
- lenght: 300 mm
- 6 mm Internal Hexagon
- 7 mm Internal Hexagon
- T25 especially for VW Sharan

Item #
7840

PRO+

5-piece 1/2" Manual Impact Wrench Set

- long life quality
- satin chrome plated
- incl. 4 bits

In metal case

Item #
710

PRO+

Bit Set for Item Nr. 710

- for item # 710
- hexagon shaft 5/16", length 36mm
- 2 plain slotted bits 8 - 10mm
- 2 cross slotted bits, size # 2 - 3

Item #
711

PRO+

2-piece Screwdriver Set, 6 mm & PH2, EXTRA LONG

- length 450 mm

Item #
730

PRO+

Slot Screw Driver, 450 mm

- size: 6 mm
- 2-component handle
- 4-pt shaft, black finish

Item #
731

PRO+ CV

Cross Slot Screw Driver, 450 mm

- size: PH 2
- 2-component handle
- 4-pt shaft, black finish

Item #
732

PRO+ CV

Carburetor Screwdriver

- for adjusting Pierburg carburetors
- regulating idle speed and mixture in BMW, Daimler-Benz,Ford, Peugeot and Renault
- 360mm long

Item #
8017

PRO

5-piece Spline Screwdriver Set

- sizes: M4, M5, M6, M8 and M10
- blade length: 300 mm, total length 400 mm
- surface nickel plated

Item #
7924

PRO+ CV

6-pt Special Screw Driver

- for hose clamps and screws in hard to reach areas
- with screws clamping device
- put the screw in 6-pt. with angled handle resetting the handle in straight-ahead position
- the screw is held in the clamping device and is secured against falling out

PRO+

Item #	Description
8352	6-pt Special Screw Driver, 6 mm
8353	6-pt Special Screw Driver, 7 mm
8354	6-pt Special Screw Driver, 8 mm

Cranked Wrench Key

- length: 480 mm
- includes:
  - changing head with 6.3-1/4 mm clamping holder for the slotted and Phillips screwdriver pins
  - clip-on handle
- bit is moved by turning the handle

Item #
4838

PRO+

Fibreglass Shaft Machinist's Hammers

- TÜV / GS approved
- black lacquered, forged head
- according to DIN 1041

PRO+

Item #	Description
3850	Fibreglass Shaft Machinist's Hammer, 100 g
3852	Fibreglass Shaft Machinist's Hammer, 300 g
3854	Fibreglass Shaft Machinist's Hammer, 500 g
3855	Fibreglass Shaft Machinist's Hammer, 800 g
3856	Fibreglass Shaft Machinist's Hammer, 1000 g
3858	Fibreglass Shaft Machinist's Hammer, 2000 g

Machinist's Hammers, Hickory Handle

- TÜV / GS approved
- high quality hammer for perfect working safety:
  - shock-resistant hickory handle
  - protection metal sleeve, saftey pin
  - round ring wedge
  - forged hammer head
- made in accordance with DIN 1041, TÜV approved

PRO+

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

Machinist's Hammers

- TÜV / GS approved
- wooden shaft, 1/3 black painted
- satin black painted head
- and gold coloured **shaft protection sleeve**

PRO+

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

Roofing Hammer, 600 g

- fibreglass shaft
- polished head

Item #
1865

PRO+

Fibreglass Shaft Stoning Hammers

- TÜV / GS approved
- black lacquered finish head
- fibreglass
- rubber grip
- according to DIN 6475

PRO+

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, 200 g, DIN 1041, Hickory Handle

- TÜV / GS approved
- high quality hammer for perfect working safety:
  - shock-resistant hickory handle
  - protection metal sleeve
  - saftey pin
  - round ring wedge
  - forged hammer head
- made in accordance with DIN 6475, TÜV approved

Item #
52410

PRO+

Stoning Hammer, 1000 g

- TÜV / GS approved
- wooden shaft, 1/3 black painted
- satin black painted head
- gold coloured **shaft protection sleeve**
- **in accordance with DIN 6475**

Item #
3865

PRO+

Rubber Panel Mallets with Fibreglass Shaft

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

Rubber Hammers, white Head

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

PRO+

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

Rubber Mallet, black/white Head

- head diameter at striking face: 63 mm
- weight: 840 g
- length: 340 mm

Item #
1969

PRO+

Dead Blow Bumping Hammer, no Backstroke, Head Ø 50 mm

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

Item #
1863

PRO+

Mallet with Fibreglass Shaft, Head Ø 35 mm

- plastic heads

Item #
52325

PRO+

2-piece Nylon Mallet Set with Hickory Handle

- with nylon faces
- size 1: head diameter 30 mm
- size 2: head diameter 45 mm

Item #
1859

PRO

Copper Hammers

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

PRO+

Item #	Description
890	Copper Hammer, 1 lb-Head
891	Copper Hammer, 1.5 lb-Head
892	Copper Hammer, 2 lb-Head

Dead Blow Bumping Hammer, Head Ø 60 mm

- polyurethane - fibre-glass
- blow-back proof due to steel balls in the head of the mallet, therefore stronger impact
- especially for loosening stuck rims when changing tires
- weight 1300g
- length 380 mm
- all out rubber coated

Item #
1868

PRO+

Dead Blow Bumping Hammer

- blow-back proof due to steel balls in the head of the mallet, therefore stronger impact
- especially for loosening stuck rims when changing tires

- Art. 1968: standard weight, for cars
- Art. 1876: extra heavy duty, for trucks and SUV

PRO

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

Sledgehammer, 5000 g

- forged steel head,
- satin black lacquered finish
- length approx. 900 mm
- non-slip rubber coated shaft

Item #
3860

PRO

170-piece HSS Twist Drill Sets

- drills manufactured in accordance with DIN 338
- fully ground drills
- 1.0-8.0 mm (in 0.5mm steps) : 10 piece each
- 8.5-10.0 mm (in 0,5mm steps): 5 piece each

PRO+

Item #	Description
1994	170-piece Twist Drill Set, HSS, Titanium Coated
1995	170-piece Twist Drill Set, HSS
2000	170-piece Twist Drill Set, HSS, 5% Cobalt Coated

26-piece Twist Drill Set, HSS, 1-13 mm

- roll forged with ground tips
- 0,5 mm steps
- drills manufactured from **HSS-steel**

Item #
2021

PRO

19-piece Twist Drill Set, Titanium Coated, HSS, 1-10 mm

- **600 % longer life compared to ordinary drills**
- for drilling special compositions, Cr-Ni-steel, NIROSTA, V4A, seams etc.
- 0,5 mm steps

Item #
2013

PRO

19-piece Twist Drill Set, HSS, 1-10 mm, Cobalt Coated

- roll forged with ground tips
- cobalt coating guarantees long life
- 0,5 mm steps

Item #
2014

PRO

26-piece HSS Twist Drill Set, 1-13 mm

- fully ground, cross joint tips
- drills manufactured from HSS steel
- 0,5 mm steps

Item #
110

PRO+

4-piece HSS Drill Set, Lefthand cutting

- titanium coated
- sizes:
  3 mm-4 mm-6 mm-7mm
- for drilling out broken screws, bolts, etc.

In wooden case

PRO+

Item #	Description
2726	4-piece HSS Drill Set, Lefthand cutting
2726-3	Counter-Clockwise HSS Drill 3.0 mm, Titanium-Nitrided
2726-4	Counter-Clockwise HSS Drill 4.0 mm, Titanium-Nitrided

4-piece HSS-G Multi Drill Bit Set, Cobalt coated

- step drill 4-12 mm
- hole cutter 8-20 mm
- drill saw 6x90 mm
- countersink 12,4 mm

Item #
1944

PRO+

25-piece HSS Screw Extractor Set

- for professional turning out of broken screws and studs
- helps to reduce time and cost
- includes:
  - 5 HSS drills: 3.2 - 4.8 - 6.4 - 8.0 - 8.7 mm
  - 10 guide bushings for drills
  - 5 extractor pins
  - 5 extractor adapters
- HSS Steel

Item #
8462

PRO+

6-piece Wood Crown and Milling Drill Set, 4-12 mm

- 5 cutting-crown head with center tip
- 4 super-sharp 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

PRO+

13-piece Center Bit + Wood Drill Set

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

Item #
50403

PRO+

6-piece Taper Milling Set, HSS

- 6 mm shaft,
- various shapes
- suitable for shaping of plastics, and soft metals
- max. speed: 6000 rpm

Item #
1604

PRO

20-piece Diamond coated Grinding and Milling Drill Bit Set

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

Item #
1607

PRO

3-piece HSS Drill Grinder Set

- made of HSS 6542 steel
- in black metal box

Item #
111

PRO+

Welding Spot Cutter, 70 mm long

- manufactured from HSS
- for separating spot welded sheet metals

PRO+

Item #	Description
1600	Welding Spot Cutter, 70 mm long
1601	HSS Spare Cutting Head for #1600

10-piece Spot Weld Drill Set

- spot weld cutter with double ended-crown
- 9.5 mm Cobalt HSS spot drill
- weld drill 8x80 mm
- 5 double ended cutter crowns 9.5 mm
- 2 pilot pins

Item #
1632

PRO+

150-piece High Precision Drill Set

- grinding, polishing and cutting equipment for mini drilsl and grinder machine, up to 26,000 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 3.2mm ball head for hardened steel, cast steel, stainless steel, ceramic
- HSS cutter 3.2 x 9.5 mm for soft metals, fiberglass, plastic, wood
- 71 cutting disc for cutting metal, wood, plastic
- 2 rubber disc 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 drils 2.4 and 1.6 mm
- shaft adaptor 1.6 to 2.4 and 3.2 mm
- 2 cutting discs recording 1.6 and 2.4 mm
- sharpending stone

Item #
8060

PRO

3-piece SDS Drill Set

- carbide tipped
- 1000 mm long
- 12-16-24 mm

Item #
2012

PRO

12-piece Hammer Drill / Chisel Set with SDS Shaft, Carbide Tipped

- 9 drills in various lengths and sizes:
  5 mm (110 mm long), 6 mm (110 mm long)
  8 mm (160 mm long), 10 mm (160 mm long)
  12 mm (160 mm long), 14 mm (200 mm long)
  16 mm (210 mm long), 18 mm (300 mm long)
  20 mm (450 mm long)
- 3 chisels (flat , point, hollow), each 250 mm long

In blow mould case

Item #
2005

PRO+

3-piece SDS-MAX Drill Set, Carbide Tipped

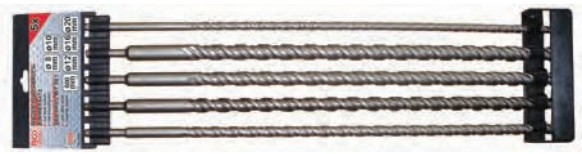
- sizes: 16-20-26 mm
- length: 600 mm each, included shaft
- quad blade manufactured from hardened metal
- in vinyl wallet

Item #
2015

PRO

5-piece SDS Drill Bit Set, 600 mm

- with SDS shaft
- carbide tipped
- 8 mm, 10 mm, 12 mm, 16 mm, 20 mm



Item #
2016

PRO+

Step Drill, 6-30 mm

- steps: 6 - 8 - 10 - 12 - 14 - 16
  18 - 20 - 22 - 24 - 26 - 28 - 30 mm
- made of HSS 6542
- nitride surface

Item #
1945-1

PRO+

Step Drill Set, 4-30 mm

- includeds 3 step drills
- 4-12 mm, 4-20 mm, 6-30 mm
- HSS-Steel 6542
- nitride surface

Item #
1945

PRO+

Stepped Hole Cutter, Titanium Coated, 4-30 mm

- HSS-steel
- little abrasion - longer life
- 2 mm ascending steps
- 3 cutters:

4 - 12 mm in following steps: 4, 5, 6, 7, 8, 9, 10, 11, 12 mm
4 - 20 mm in following steps: 4, 6, 8, 10, 12, 14, 16, 18, 20 mm
4 - 30 mm in following steps: 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30 mm

Item #
1624

PRO+

Stepped Hole Cutters, Titanium Coated

- long life
- 2 mm steps

PRO+

Item #	Description
1619	Stepped hole Cutter, Titanium Coated, 4-32 mm
1618	Stepped Hole Cutter, Titanium Coated, 4-22 mm

High End Taper Cutters

- manufactured from HSS steel
- 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

PRO+

Item #	Description
1620	High End Taper Cutter, Size 1, 3-14 mm
1621	High End Taper Cutter, Size 2, 8-20 mm
1622	High End Taper Cutter, Size 3, 16-30 mm

7-piece Combined HSS-G Drill/Thread Cutting Set

- 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 thread
  3. flash removal and sinking

Item #
1926

PRO+

4-piece Punched Tapered Countersink Set

- all parts manufactured from **HSS-steel**
- sizes: 2-5 mm, 5-10 mm, 10-15 mm, 15-20 mm

Item #
1966

PRO+

3-piece Taper Cutter Set, HSS, 3 Sizes

- size 1: 3-14 mm
- size 2: 8-20 mm
- size 3: 16-30,5 mm

Item #
1998

PRO+

6-piece Tapered Countersink Set, HSS, DIN 335 Form C

- sizes: 6.3-8.3-10.4-12.4-16.5-20.5 mm

Item #
1997

PRO+

3-piece Hole Saw Set

- saw-Ø 60-67-74 mm
- hardened toothing
- maximum cutting depth 30 mm
- für wood, chipboard, plasterboard, etc.

Item #
50300

PRO+

5-piece Hole Saw Set for Wood

- 32 - 38 - 44 - 54 mm hole saw
- 25 mm cutting depth
- hardened carbon steel
- in storage box

Item #
8456

PRO+

Screw Punch, 32 mm

- manufactured from high end special steel
- for securely drilling stainless steel or similar materials
- drive via 16 mm socket

Item #
3902

PRO+

Drill Grinding Attachement

for twist drills 3-19 mm

Item #
3200

PRO

7-piece Multi Purpose Drill Set

- 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 extention
- magnetic bit holder
- countersink
- chuck key

In aluminium case

Item #
7992

PRO

Angle Drill Attachment with Keyless Chuck

- heavy duty finish
- ideal for drilling around corners
- ball bearing shaft support
- suitable for drilling and screwing
- 8 mm hexagon shaft drive
- head height: 100 mm

Item #
4847

PRO

Deburring Tool

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

PRO+

Item #	Description
8328	Deburring Tool
8329	Replaycement Blade for Reamer BGS 8328

3-in-1 Countersink Set

- with quick lock
- anti-slip 2 component handle
- countersink: Ø 12, 16 and 19 mm

Item #
8369

PRO+ CV

3-piece Socket Adaptor Set, SDS to 4-pt.

10 ■ 3/8 | 12.5 ■ 1/2 | 6.3 ■ 1/4

- allows to use sockets on SDS drills

PRO+

Item #	Description
8214	3-piece Socket Adaptor Set, SDS to 4-pt.
8214-1	1/2 SDS to 4-pt. Adapter, 65 mm

13 mm Drill Chuck

- with SDS adaptor
- incl. tap holder key

Item #
9937

PRO

Blind Riveting Attachment, 2.4-3.2-4.0-4.8 mm

- makes your drill a rivet gun
- works with standard electric drills (reversible, min. torque 15 Nm)
- aluminium rivets 2,4 - 4,8 mm
- stainless steel rivets 2,4 - 4,0 mm
- with hex shaft 1/4" - 6,35 mm
- manual included

Item #
406

PRO+

Nutsert Attachment, M3-M4-M5-M6

- makes your drill a rivet gun
- works with all standard drills (reversible, min. torque 20 Nm)
- with wrench
- with threaded mandrels and nosepieces in M3-M4-M5-M6
- manual included

Item #
407

PRO+

110-piece Tap and Die Set, M2-M18

- especially for fine threads
- tungsten steel
- 2 tap holders
- 2 die holders
- 1 T holder
- each 35 taps (pre- AND main cutter for each size) and dies in follwing sizes / flank leads:
  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

Item #
1900

PRO

110-piece Tap and Die Set, SAE and Metric combined

- especially for fine threads
- tungsten steel
- 2 tap holders
- 2 die holders
- 1 T holder
- each 35 taps and dies in follwing sizes / flank leads:

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
M6X1,0	M8X1,25	M10X1,5	M10X1,0
M11X1,5	M12X1,25	M12X1,75	M14X1,25
M18X1,5	1/8-27NP	1/4-18NPT	

Item #
900

PRO ZOLL/SAE

45-piece Tap and Die Set, Tungsten Steel

- 20 taps for inernal threads and
  20 dies for external threads (one each size)
  Pitch 0,75: M6
  Pitch 1,00: M8-M6
  Pitch 1,25: M8-M10
  Pitch 1,50: M10-M12-M14-M16-M18-M20-M22-M24
  Pitch 1,75: M12
  Pitch 2,00: M14-M16
  Pitch 2,50: M18-M20-M22
  Pitch 3,00: M24 each
- 1 adjustable tap wrench
- 1 T-type tap wrench
- 1 die holder
- 1 adaptor for die holder
- 1 plain slotted screwdriver 6 mm

PRO

Item #	Description
1893	45-piece Tap and Die Set, Tungsten Steel
1899	45-piece Tap and Die Set, Tungsten Steel, Titanium Coated

45-piece Tap and Die Set in INCH

- tungsten steel
- imperial sizes
- 20 taps for thread and
  20 dies for external thread (one each size)
  fine thread
  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
  coarse thread:
  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 T-type tap wrench
- 1 die holder
- 1 adaptor for die holder
- 1 plain slotted screwdriver 6 mm

Item #
1898

PRO ZOLL/SAE

32-piece Tap and Die Set, HSS G Steel

- 7 taps (DIN 352)
- 7 dies (DIN 223) 25 x 9mm
  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 (DIN 225) 25 x 9mm
- 1 tap wrench (DIN 1814) # 1,5
- 1 screwpitch gauge
- 1 screwdriver

In solid metal case (as displayed)

Item #
1925

PRO+

44-piece Tap and Die Set, HSS G Steel

- 7 tap set (DIN 352) and
  7 dies (DIN 223) 25 x 9mm
  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
- 5 die holder DIN 225 25 x 9mm, # 1-2-3-4-5
- 2 tap wrenches (DIN 1814) # 1 und 2
- 7 HSS drills (DIN 338)
- 1 screwpitch gauge
- 1 screwdriver

In solid metal case (as displayed)

Item #
1927

PRO+

21-piece Tap Set, HSS, M3-M12

- DIN 352
- each 3 pieces:
  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

In metal case (as displayed)

Item #
1924

PRO+

20-piece HSS Tap and Die Set

- includes T-handle ratchet, extension, 2 tap holders and 25 mm die chuck
- incl. taps and dies M3, M4, M5, M6, M8, M10, M12
- HSS Steel

Item #
1985

PRO+

6-pieces Ratcheting Tap and Die Holder Set

- comfortable working with 3/8" drive ratchet handle
- fine 72 tooth T-handle ratchet
- 2 die holders (M3- M8 & M6- M12)
- 2 tap holders (max. Ø 20 mm & 25 mm)
- extended range of application by using optional extension bar
- including double open end wrench

PRO+

Item #	Description
1984	6-pieces Ratcheting Tap and Die Holder Set
1984-1	T-Handle Ratchet, fine-toothed with 72 tooth, 10 (3/8)

Lambda Oxygen Sensor Thread Repair Kit

- 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

PRO+

Item #	Description
66215	Lambda Oxygen Sensor Thread Repair Kit
66215-1	Thread Inserts for Lambda Sensor, M18 x 1.5

130-piece Thread Repair Kits

- 5 HSS-G-taps
- 5 HSS-G-twist drills
- 5 special installation tools
- 5 tang breakers
- 110 thread inserts

- **item 1950**:
  each 25 pieces: M5x0.80, M6x1.00, M8x1.25, M10x1.50
  10 pieces: M12x1.75
- **item 1951**:
  each 25 pieces: M6x1.00, M8x1.25, M14x1.25
  20 pieces: M10x1.5
  15 pieces: M12x1.75

PRO+

Item #	Description
1950	130-piece Thread Repair Kit, M5-M12
1951	130-piece Thread Repair Kit, M6-M14

Thread Repair Kits

- HSS-G-taps
- HSS-G-twist drills
- special installation tool
- tang breakers
- thread inserts

PRO+

Item #	Description
1952	29-piece Thread Repair Kit, M5x0.8
1959-1	25 Thread Repair Inserts, M5x0.8
1953	29-piece Thread Repair Kit, M6x1.0
1959-2	25 Thread Repair Inserts, M6x1.0
1954	29-piece Thread Repair Kit, M8x1.25
1959-3	25 Thread Repair Inserts, M8x1.25
1958	14-piece Thread Repair Kit, M10x1.0
1958-1	25 Thread Repair Inserts, M10x1.0
1955	29-piece Thread Repair Kit, M10x1.5
1959-4	25 Thread Repair Inserts, M10x1.5
1959	14-piece Thread Repair Kit, M12x1.25
1956	14-piece Thread Repair Kit, M12x1.75
1959-5	10 Thread Repair Inserts, M12x1.75
1957	14-piece Thread Repair Kit, M14x1.25
1959-6	10 Thread Repair Inserts, M14x1.25

9-piece Thread Repair Set

- thread chasers are designed to repair and recondition threads on gas and liquid fittings in air conditioning, hydraulic and gas applications. Each chaser is clearly marked and can also be used to properly identify thread sizes
- for cleaning and rethreading of inside and outside threads
- use Tommy Bar (included) or socket for easy operation
- contains following sizes:
  M14x1,5 - M16x1,5 - M18x1,5 - M20x1,5 - M22x1,5 - M24x1,5 - M27x2,0 - M28 x 1,5

Item #
65110

PRO+

Lambda Thread Repair Cutter, M 18 x 1,5

6.3 ■ 1/4

- 1/4" drive, can also be used with 19 mm socket or wrench

Item #
65590

PRO+

2-piece Lambda Thread Repair Cutter Set

- M 18 x 1.5 and M 12 x 1.25 mm

Item #
65591

Screwpitch Gauges

PRO+

Item #	Description
3067	Screwpitch Gauges, 24 Blades: 0.25-6.00 mm
3068	Screwpitch Gauges, 28 Blades, 4-62 whitworth
3069	Screwpitch Gauges, 52 Blades: 0.25-6.00 mm + 4-62 whitworth

T-Type Ratcheting Tap Wrenches

- reversible

PRO

Item #	Description
1980	T-Type Ratcheting Tap Wrench, 80 mm (M3-10)
1981	T-Type Ratcheting Tap Wrench, 110 mm (M5-12)
1982	T-Type Ratcheting Tap Wrench, 255 mm (M3-10)
1983	T-Type Ratcheting Tap Wrench, 320 mm (M5-12)

Tap Wrench, adjustable

- tap wrench from set 1893, 1898, 1899
- suitable for M6 to M25
- length: 410 mm

Item #
1893-1

Threading Die Holder

- threading die holder from set 1893, 1898, 1899
- max. diameter 50 mm
- length: 385 mm

Item #
1893-2

Thread File for internal and external Threads, 0.80-3.00 metric

- metric sizes, rising: 0,80 ; 1,00 ; 1,25 ; 1,50 ; 1,75 ; 2,00 ; 3,00

Item #
1922

Thread File for internal and external Threads, 10' - 24' SAE

SAE sizes, rising: 10'-11'-12'-14'-16'-18'-20'-24'

Item #
1923

PRO+

Internal & External Thread Restorer File

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

Item #
1929

PRO+

5-piece Screw Extractor Set

- **carbon steel**
- for all types of cross, T-Star and internal hexagon screws
- 5 different sizes
- for use with an electric drill, max. 250 rpm

Item #
5282

PRO+

5-piece Screw Extractor Set, Sizes 1-5

- for removal of broken screws and studs
- suitable for following screws
  3 - 6 mm (1/8" - 1/4")
  6 - 8 mm (1/4" - 5/16")
  8 - 11 mm (5/16" - 7/16")
  11 - 14 mm (7/16" - 9/16")
  14 - 19 mm (9/16" - 3/4")
- carbon steel
- in plastic case

Item #
1895

PRO

6-piece Screw Extractor Set, Sizes 1-6

- for removal of broken screws and studs
- suitable for following screws
  3 - 6 mm (1/8" - 1/4")
  6 - 8 mm (1/4" - 5/16")
  8 - 11 mm (5/16" - 7/16")
  11 - 14 mm (7/16" - 9/16")
  14 - 19 mm (9/16" - 3/4")
  19 - 25 mm (3/4" - 1")
- carbon steel
- in plastic case

Item #
1896

PRO

8-piece Screw Extractor Set

- for screw sizes:
  M3-6, M6-8, M8-11, M11-14,
  M14-18, M18-25, M25-35, M35

Item #
1897

PRO

Expert Hacksaw Frame, Tubular Square Frame, incl. 300 mm Hacksaw Blade

- blade is adjustable in 2 positions

Item #
2077

PRO

Heavy Duty Expert Hacksaw Frame, incl. 300 mm Hacksaw Blade

- tubular frame
- soft grip handle

Item #
2079

PRO+

Jigsaw Frame

- wood handle
- incl. 5 assorted blades (170 mm length)
- extra deep shape

Item #
2073

PRO

Rapid Pull Saw, 265 mm

- high carbon steel blade
- induction hardened teeth
- 15 teeth per inch

Item #
50350

PRO+

10 Hacksaw Blades 13 mm wide, 300 mm long, flexible HSS

- 0,65 mm thickness
- 24 tooth per inch

Item #
2061

PRO+

Plastic Miter Box, 245x67x48 mm

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

Item #
50855

PRO+

Aluminum Miter Box, 245x65x55 mm

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

Item #
50860

PRO+

Aluminum Miter Box, 245x106x44 mm

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

Item #
50865

PRO+

Carbide Tipped Circular Saw Blades

- BGS 3952:
  - sawblade diameter: 190 mm
  - bore diameter: 30 mm
  - thickness of sawblade: 1,6 mm
  - cutting width: 2,5 mm
  - bore adapter 30 to 20 mm

- BGS 3954:
  - sawblade diameter: 254 mm
  - bore diameter: 30 mm
  - thickness of sawblade: 1,8 mm
  - cutting width: 3,2 mm
  - bore adapter 30 to 16 or 25 mm

- BGS 3955:
  - sawblade diameter: 300 mm
  - bore diameter: 30 mm
  - thickness of sawblade: 2,2 mm
  - cutting width: 3,2 mm

- BGS 3956:
  - sawblade diameter: 190 mm
  - bore diameter: 30 mm
  - thickness of sawblade: 2,5 mm
  - cutting width: 3,2 mm

- BGS 3957:
  - sawblade diameter: 315 mm
  - bore diameter: 30 mm
  - thickness of sawblade: 2,2 mm
  - cutting width: 3,0 mm

PRO+

Item #	Description
3950	Carbide Tipped Circular Saw Blade, Diameter 160 mm, 36 tooth
3952	Carbide Tipped Circular Saw Blade, Diameter 190 mm, 24 tooth
3954	Carbide Tipped Circular Saw Blade, Diameter 254 mm, 40 tooth
3955	Carbide Tipped Circular Saw Blade, Diameter 300 mm, 30 tooth
3957	Carbide Tipped Circular Saw Blade, Diameter 315 mm, 30 tooth
3956	Carbide Tipped Circular Saw Blade, Diameter 400 mm, 48 tooth

Diamond Cutting Disc, Dry Cut, cont. rim, 115 mm

- for building materials
- 115 x 1,9 x 5,0 x 22,2 mm
- MPA 10268

Item #
3921

PRO+

Diamond Cutting Discs, segmented

- for building materials
- dry cut
- MPA 10288

3931: 115 x 1,9 x 5,0 x 22,2 mm
3932: 125 x 1,9 x 7,0 x 22,2 mm
3934: 230 x 2,4 x 7,0 x 22,2 mm

PRO+

Item #	Description
3931	Diamond Cutting Disc, dry Cut, segmented, 115 mm
3932	Diamond Cutting Disc, dry Cut, segmented, 125 mm
3934	Diamond Cutting Disc, dry Cut, segmented, 230 mm

Diamond Turbo Cutting Discs

- for building materials
- for dry cut
- MPA 10298

3931: 115 x 2,4 x 7,0 x 22,2 mm
3932: 125 x 2,4 x 7,0 x 22,2 mm

PRO+

Item #	Description
3941	Turbo Cutting Disc, 115 mm
3942	Turbo Cutting Disc, 125 mm
3944	Turbo Cutting Disc, 230 mm

Cutting Discs for Stainless Steel

- perfect for cutting stainless steel
- 1 mm thickness for fine cuts
- 22.2 mm bore hole
- max.13280 rpm, 80 m/s

PRO+

Item #	Description
3935	5-piece Cutting Disc Set for Stainless Steel 115 x 1.0 x 22.2 mm
3936	5-piece Cutting Disc Set for Stainless Steel 125 x 1.0 x 22.2 mm

Cut Off Wheel 105x1.5x16.2

- suitable for BGS 3268 air separation tool
- disc diameter: 105 mm
- disc thickness: 1.5 mm
- hole: 16.2 mm

Item #
3266

PRO+

7-piece Expert Pipe Threading Set, 3/8" - 1 1/4"

- excellent finish
- sizes: 3/8", 1/2", 3/4", 1", 1 1/4"
- 2 extension bars

Item #
1892

PRO+

Tile Carrying Handle, 300-500 mm

- adjustable 300-500 mm
- all metal parts are nickel plated
- nylon handle

Item #
3231

PRO

6-piece Holesaw Set, 33-73 mm

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

Item #
3910

PRO

Single Hole Saws

PRO

Item #	Description
3911	Hole Saw for Item #3910, 33 mm
3913	Hole Saw for Item #3910, 67 mm
3914	Hole Saw for Item #3910, 73 mm
3915	Backing Disc for Item #3910
3916	Pilot Drill for Item #3910

8-piece Holesaw Set, 22-65 mm ø, Depth 40 mm

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

PRO+

Item #	Description
3906	8-piece Holesaw Set, 22-65 mm ø, Depth 40 mm
3906-1	Spare Center Drills 73 + 104 mm, for Art. 3906

Measuring Tapes

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

PRO+

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

Micrometer in wooden Case, Graduation 0.01 mm, 0-25 mm

Item #
1935

PRO+

Digital Micrometer

- for precise measuring of shims at gears, valves, etc.
- measuring range: 0 - 25 mm
- measuring accuracy: 0,001 mm
- measuring force: 5-10 N
- incl. calibration tool and battery

Item #
8427

PRO+

Magnetic Base for Measuring Instruments

- on/off switch
- various adjustments possible
- powerful magnetic base

Item #
1938

PRO

Single Gauge (0.01 mm precise) for Item# 1938

Item #
1938-1

PRO+

Digital Tire Depth Gauge

- measuring range from 0,00 - 28 mm
- mm / inch display
- battery included

Item #
1941

PRO+ CE

Digital Vernier Caliper with Digital Display, 150 mm

- extra large display
- scale in mm/inch, reading 1/100 mm
- zero reset in any position, metric/inch conversion
- + / - display
- incl. battery

In plastic case

Item #
1930

PRO+ CE

Spare Battery SR44

- for Art. 1930 + 1941

Item #
1931

PRO

Precision Vernier Calipers

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

PRO+

Item #	Description
1932	Precision Vernier Caliper, 0-150 mm
1933	Precision Vernier Caliper, 0-200 mm
1934	Precision Vernier Caliper, 0-300 mm

8-piece Magnetic Bench Vice Protection Jaw Set

- 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, e.g. aluminum threaded rods and bolts
- made of aluminum
- size: 100 x 25 mm

Item #
8442

PRO+

Safety Jaw Covers for Clamp Vices

- soft rubber coated aluminium

PRO+

Item #	Description
3044	Safety Jaw Covers, 2-piece, Aluminium, 125 mm
3045	Safety Jaw Covers, 2-piece, Aluminium, 150 mm

Forged Steel Bench Vises

- 360° rotary table with 3x 10 mm mounting holes
- lockable by sliding bar
- forged
- 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

PRO

Item #	Description
59110	Forged Steel Bench Vise, 100 mm Jaws
59112	Forged Steel Bench Vise, 125 mm Jaws
59115	Forged Steel Bench Vise, 150 mm Jaws

Bench Vises

- 2 mounting holes Ø 8 mm
- screwed jaws

BGS 59255
- mounting hole distance: 83 mm
- max. clamping range: 75 mm
- length: 255 mm

BGS 59260
- mounting hole distance: 80 mm
- max. clamping range: 110 mm
- length: 270 mm

BGS 59265
- mounting hole distance: 95 mm
- max. clamping range: 130 mm
- length: 320 mm

BGS 59270
- mounting hole distance: 107 mm
- max. clamping range: 170 mm
- length: 375 mm

PRO

Item #	Description
59255	Bench Vise, 4.5 kg, 80 mm Jaws
59260	Bench Vise, 5.5 kg, 100 mm Jaws
59265	Bench Vise, 8.0 kg, 125 mm Jaws
59270	Bench Vise, 11.0 kg, 150 mm Jaws

Locking Handle for Bench Vice

Item #	Description
59001	Locking Handle for Bench Vise, 8 x 200 mm
59002	Locking Handle for Bench Vise, 9 x 235 mm
59003	Locking Handle for Bench Vise, 10 x 200 mm
59004	Locking Handle for Bench Vise, 13 x 250 mm

Quick Action Bar Clamps

heavy duty finish

PRO+

Item #	Description
829	Quick Action Bar Clamp, 50x200 mm
830	Quick Action Bar Clamp, 80x300 mm
841	Quick Action Bar Clamp, 120x300 mm
843	Quick Action Bar Clamp, 120x500 mm
845	Quick Action Bar Clamp, 120x1000 mm

Retractable Knife, Diecast ZINC BODY, 18 mm Blade

- heavy duty finish, **DIECAST ZINC BODY**
- 18 mm break off segment blade
- non-slip rubber coated soft grip

Item #
7958

PRO+

Retractable Knife, 18 mm Blades, extra heavy duty finish

- allround knife for 18 mm break off segment blades
- metal guide
- non slip rubber coated soft grip

Item #
7955

PRO+

Retractable Knife, 18 mm Blades, extra heavy duty finish, incl. Spare Blades

- allround knife for 18 mm break off segment blades
- metal guide
- non slip rubber coated soft grip
- with automatic blade guide
- incl. 6 spare blades

Item #
7956

PRO+

Cutter Set, 4 pcs.

- one cutter each with 9 and 18 mm wide blades
- both cutters are equipped with metal runners
- 2 magazines with 9 and 18 mm spare blades
- both cutters with automatic blade supplies, can hold up to 3 blades in each handle

Item #
7953

PRO+

Universal Cutter Knife

- with quick lock for fast blade change
- cutting blade slides into the handle for safe transport
- with clamping lug, to fasten belts
- length 160 mm (open), 120 mm (folded)
- with 5 spare blades

Item #
50601

PRO+

Retractable Knife, 25 mm Blades, extra heavy duty finish

- knife for 25 mm break off segmented blades (included)
- metal guide
- non-slip rubber coated soft grip
- with automatic blade guide

PRO+

Item #	Description
50625	Retractable Knife, 25 mm Blades, extra heavy duty finish
50626	25 mm Break off Segmented Blades, 10 pcs.

10-piece Spare Blade Set 18 mm

- for items # 7970, 7958, 7955, 7956

Item #
7971

PRO

10-pieces Spare Blade Set 9 mm

- spare blades for items # 7972, 7953

Item #
7973

PRO

Safety Cutter

- heavy duty
- safety auto retracting mechanism
- metal guide
- compartment for spare blades in handle
- incl. 5 blades

Item #
50602

PRO+

5-piece Trapezoidal Blades Set, 0.6x12 mm

- heavy duty finish

Item #
7975

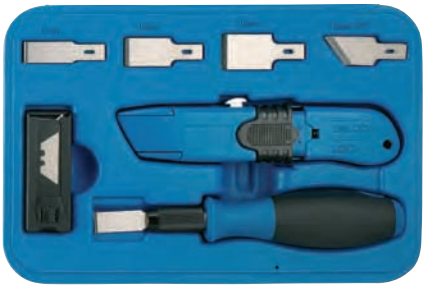
PRO+

27-piece Scraper & Knife Tool Set

- incl. 20 sharp blades in various sizes
- 5 blades for the removal of glue, labels etc. from even objects such as windows
- rubber coated handle and robust allround knife

PRO+

Item #	Description
364	27-piece Scraper & Knife Tool Set
364-12	5-pcs Scraper Blades Set, 0.6x12 mm, for item# 364
364-16	5-pcs Scraper Blades Set, 0.6x16 mm, for item# 364
364-20	5-pcs Scraper Blades Set, 0.6x12 mm, for item# 364
364-16x53	5-pcs Scraper Blades Set, 0,6x16 mm x 53°, for item# 364



VDE Cable Knife, with Slip Protection

- with hanging hole
- ergonomically shaped handle with slip protection
- TÜV/GS and VDE approved
- blade securely covered by cap

Item #
7965

PRO+

Stainless Steel Multi Purpose Scissors, 180 mm

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

Item #
7962

PRO+

Stainless Steel Electrician's Scissors, 145 mm

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

Item #
7963

PRO+

3-piece LED Tweezers Set

- particularly useful in poorly lit work areas, e.g. instrument panels
- equipped with especially bright LEDs
- battery: LR41 button cell
- length: 150 mm

Item #
3129

PRO+

Scriber, 150 mm, Hard Metal Tip

- hard metal coated tip

Item #
3131

PRO+

9-piece Hollow Punch Set, 3-12 mm

3-4-5-6-7-8-10-11-12 mm

In blow mould case

Item #
565

PRO

14-piece Hole Punch Set

- contains 13 exchangeable hole punches
- 5-6-8-10-11-13-16-19-22-25-28-32-35 mm
- incl. quick change punch holder with ergonomic handle design

Item #
566

PRO

10-piece Diamond Files, 140x3 mm

- insulated handle
- different shapes

Item #
1920

PRO+

10-piece Bent Diamond Files, 140x3 mm

- insulated handle
- different shapes

Item #
1921

PRO+

12-piece Needle File Set

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

Item #
50200

PRO+

5-piece Universal Files Set

- consisting of:
  - 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)
- with plastic handle

Item #
8494

PRO+

Abrasive Grinding Wheel, 100 mm

- ideal for removing rust, paint, etc.
- diameter of shank: 6 mm
- max. speed: 11,500 rpm
- bore: Ø 16 mm
- diameter: 100 mm
- for using with an electric drill

Item #
3978

PRO+

Abrasive Flap Discs

- for angle grinders
- bore 22.2 mm

PRO

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

Chain Saw Sharpener

- for use with an electric drill with European standard collar of 43 mm
- for chains of any length
- simple operation
- includes one disc 100x3,2x10 mm (Art. 3177) for chain sizes 1/4", 0,325" und 3/8"

PRO+

Item #	Description
3180	Chain Saw Sharpener
3178	Grinding Disc 100x4,5x10 mm (3/8"+0,404") for Art. 3180
3177	Grinding Disc 100x3,2x10 mm (1/4", 0,325" and 3/8") for Art. 3180

7-piece Polish Sets for hard or soft Metals

- complete kit to remove scratches and polish 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
  3990: 1x firm, 2x medium / 3991: 2x firm, 1x medium
- with drill chuck arbor
- with 3 polishing pastes

PRO

Item #	Description
3991	7-piece Polish Set for hard Metals
3990	7-piece Polish Set for soft Metals

Polishing Disc with 6 mm mandrel

- suitable for polishing materials such as copper, brass, aluminum, steel, etc.
- 6 mm shaft for electric drills
- multi-layer disc Ø 120 x 22 mm

Item #
3989

PRO+

14-piece Polishing Heads Assortment, 1/4" shaft

- 6 mushroom shaped polishing heads, 2x 50 mm-75 mm-100 mm: ideal for polishing surfaces face down onto work
- 4 taper shape polishing heads 2x 53 mm and 2x63 mm: ideal for polishing the inside of cups, domes, bowls and goblets
- 4 drum shape polishing heads 2x45 mm and 2x63 mm: ideal for polishing awkward areas and inside goblets and bowls
- made of fine cotton
- ideal for polishing metal and non-metal workpieces

Item #
3995

PRO+

38-piece Lathe Tool Set

- shaft thickness **8 mm / 5/16"**
- carbide tipped
- different shapes
- length 60 mm each

Item #
9925

PRO+

Combination Pliers

- satin nickel plated
- with slip guard/ soft grip handles
- red/black

PRO+

Item #	Description
325	Combination Pliers, Length 165 mm
326	Combination Pliers, Length 175 mm
327	Combination Pliers, Length 200 mm

Long Nose Pliers, straight

- satin nickel plated
- with slip guard/ soft grip handles
- red/black

PRO+

Item #	Description
336	Long Nose Pliers, straight, 160 mm
337	Long Nose Pliers, straight, 200 mm

Bent Nose Pliers, 200 mm

- satin nickel plated
- with slip guard/ soft grip handles
- red/black

Item #
338

PRO+

Flat Nose Pliers, 160 mm

- satin nickel plated
- with slip guard/ soft grip handles
- red/black

Item #
340

PRO+

Diagonal Side Cutter, 165 mm

- satin nickel plated
- with slip guard/ soft grip handles
- red/black

Item #
331

PRO+

Diagonal Side Cutter, 165 mm long, with Wire Stripping Function, (1.5 mm² & 2.5 mm²)

- satin nickel plated
- with slip guard/ soft grip handles
- red/black

Item #
332

PRO+

Heavy Duty Diagonal Side Cutter, 180 mm

- satin nickel plated
- with slip guard/ soft grip handles
- red/black

Item #
335

PRO+

Heavy Duty Diagonal Side Cutter, 240 mm

- satin nickel plated
- with slip guard/ soft grip handles
- red/black

Item #
334

PRO+

End Cutting Pliers, 165 mm

- satin nickel plated
- with slip guard/ soft grip handles
- red/black

Item #
333

PRO+

Wire Stripping Pliers, 150 mm

- satin nickel plated
- with slip guard/ soft grip handles
- red/black

Item #
339

PRO+

5-piece Pliers Set

- all pliers come with slip guard/soft grip handles (red / black)

content:
- 1 combination pliers "professional" 175 mm - BGS # 0326
- 1 diagonal side cutter "professional" 165 mm - BGS # 0331
- 1 long nose pliers "professional" 200 mm - BGS # 0337
- 1 bent nose pliers "professional" 200 mm - BGS # 0338
- 1 waterpump pliers "professional" 240 mm, box joint,

In plastic case

Item #
330

PRO

End Cutting Pliers, DIN 5241

- excellent quality and finsh
- satin black lacquered
- finish with polished jaw
- PVC dipped handles (blue)

PRO+

Item #	Description
551	End Cutting Pliers, DIN 5241, 180 mm
552	End Cutting Pliers, DIN 5241, 200 mm

Mechanics Pliers, DIN ISO 9242A

- excellent quality and finishing
- satin black lacquered finish
- polished jaws

Item #	Description
555	Mechanics Pliers, DIN ISO 9242A, Length 220 mm
556	Mechanics Pliers, DIN ISO 9242A, Length 250 mm
557	Mechanics Pliers, DIN ISO 9242A, Length 280 mm

Professional Gaspipe Wrenches

- red lacquered finish
- polished jaws
- special advantage: 3-point grip prevents slipping off

Item #	Description
525	Professional Gaspipe Pliers, 1", 3-point Grip
526	Professional Gaspipe Pliers, 1.5", 3-point Grip
527	Professional Gaspipe Pliers, 2", 3-point Grip

Waterpump Pliers, 240 mm

- box-joint head
- satin nickel plated
- with slip guard/ soft grip handles
- red/black
- aperture max. 38 mm

Item #
342

3-piece Waterpump Pliers Set, Box-Joint

- professional quality
- high quality lacquered black finish
- forged
- hardened
- polished jaws and joint
- blue PVC dipped handles
- 175-240-300 mm
- aperture max. 27-38-44 mm

in tetron wallet

Item #
457

Waterpump Pliers with Box-Joint

- professional quality
- safety handles
- high quality finish
- forged
- hardened
- lacquered black finish
- polished jaws and joint

PRO+ CV

Item #	Description
75110	Waterpump Pliers with Box-Joint, 175 mm
75111	Waterpump Pliers with Box-Joint, 240 mm
75112	Waterpump Pliers with Box-Joint, 300 mm
75113	Waterpump Pliers with Box-Joint, 400 mm

Water Pump Pliers, self-adjusting

- high duty finish
- self-adjusting, for "single-handed-use"

PRO+ CV

Item #	Description
75200	Water Pump Pliers, self-adjusting, 175 mm
75201	Water Pump Pliers, self-adjusting, 250 mm
75202	Water Pump Pliers, self-adjusting, 300 mm

Box Joint Waterpump Pliers

- professional heavy duty quality
- high quality lacquered red finish
- hardened
- polished jaws and joint

PRO+ CV

Item #	Description
390	Box Joint Waterpump Pliers, 175 mm
391	Box Joint Waterpump Pliers, 240 mm
392	Box Joint Waterpump Pliers, 300 mm

Water Pump Pliers with Plastic Protective Jaws, 250 mm

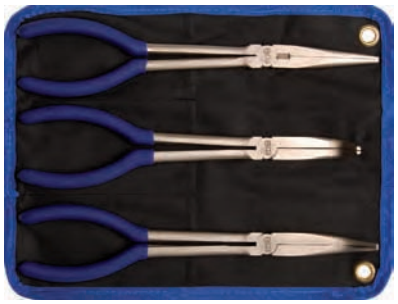
- suitable for all types of fittings
- protection jaws prevent damage to chrome finish
- easy size adjustment
- dipped handles
- incl. 2 spare protective jaws

Item #
75120

PRO+

3-piece Long Nose Pliers Set, 0° - 45° - 90°

- carbon steel, nickel plated
- length 290 mm



Item #
415

PRO

Straight Nose Pliers, extra long, 280 mm

- PVC dipped handles
- with additionally induction hardened cutting edges, straight

Item #
410

PRO

Bent Nose Pliers, 45 °, extra long, 280 mm

- PVC dipped handles

Item #
411

PRO

Bent Nose Pliers, 90 °, extra long, 280 mm

- PVC dipped handles

Item #
412

PRO

5-piece Long Nose Plier Set, 290 mm

- angled 90 ° - 0 ° - 20 ° - 45 ° + ring tip
- 2-component handles
- length: 290 mm
- carbon steel
- in zipper pouch

Item #
414

PRO

3-piece Glow Plug Pliers, 280 mm

- gripper opening: Ø 12, 5 - 16 and 20 mm
- dip-coated handle

Item #
417

PRO

3-piece Double Joint Pliers Set, 300 mm

- perfect for working in narrow places
- 1 straight long nose pliers
- 1 offset long nose pliers (45°)
- 1 flat nose pliers

in wallet

Item #
419

PRO+

Double-Joint Side Cutter

- for hard to reach places such as behind interior trim, instrument panel, engine compartment, etc.
- very small even when fully opened
- heavy duty 2-component plastic handle
- length 350 mm

Item #
533

PRO+

Double-Joint Pliers with Straight Tips

- for hard to reach places such as behind interior trim, instrument panel, engine compartment, etc.
- very small even when fully opened
- heavy duty 2-component plastic handle
- length 350 mm

Item #
534

PRO+

Double-Joint Pliers with Offset Tips

- for hard to reach places such as behind interior trim, instrument panel, engine compartment, etc.
- very small even when fully opened
- heavy duty 2-component plastic handle
- length 350 mm

Item #
535

PRO+

Professional Riveter, Long Arm, 3.2 - 6.4 mm

- aluminium and steel rivets
- 3,2 - 4,0 - 4,8 - 5,0 - 6,4 mm
- handles can be folded
- extensive accessories

PRO+

Item #	Description
405	Professional Riveter Set, long Arm, 3.2-6.4 mm
405-Zange	Long Arm Riveter
405-1	Pull Bar for Riveter BGS 405
405-2	Spare Pair of Jaws for Professional Riveter BGS 405
405-3	Jaw Case Repairset for Riveter #405
405-4	Rivet Nut Head for BGS 405
405-M4	M4 Draw Bar for Riveter #405
405-M5	M5 Draw Bar for Riveter #405
405-M6	M6 Draw Bar for Riveter #405
405-M8	M8 Draw Bar for Riveter #405
405-M10	M10 Draw Bar for Riveter #405

Heavy Duty Long Arm Riveter

- suitable for daily workshop use
- bottle will help keep work environment clean and safe
- 220 mm handles for strong leverage
- incl. nosepieces for 2.4mm (3/32"), 3.2mm (1/8"), 4.0mm (5/32") and 4.8mm (3/16")
- suitable for steel rivets

Item #
409

PRO+

Professional Riveting Pliers

- suitable for rivets made of aluminum, copper and steel
- diameters of 2.4 - 3.2 - 4.0 - 4.8 mm

Item #
402

PRO+

Plastic Rivet Kit

- for riveting e.g. plastic panels in the vehicle interior
- includes:
  - 1 riveter
  - 40 plastic rivets in following sizes:
  - 10 Ø5,0 x 15,8 mm
  - 10 Ø5.0 x 17.2 mm
  - 10 Ø6.6 x 17.2 mm
  - 10 Ø6.3 x 25.2 mm

Item #
8463

PRO+

Hole Punch and Eyelet Pliers, incl. Eyelet Assortment, 180 mm

- heavy duty finish
- includes 100 pcs. eyelets

PRO

Item #	Description
569	Hole Punch and Eyelet Pliers, 5 mm, incl. Eyelet Assortment, 180 mm
570	Hole Punch and Eyelet Pliers, 4.5 mm, incl. Eyelet Assortment, 180 mm

Blind Riveting Attachment, 2.4-3.2-4.0-4.8 mm

- makes your drill a rivet gun
- works with standard electric drills (reversible, min. torque 15 Nm)
- aluminium rivets 2,4 - 4,8 mm
- stainless steel rivets 2,4 - 4,0 mm
- with hex shaft 1/4" - 6,35 mm
- manual included

Item #
406

PRO+

Nutsert Attachment, M3-M4-M5-M6

- makes your drill a rivet gun
- works with all standard drills (reversible, min. torque 20 Nm)
- with wrench
- with threaded mandrels and nosepieces in M3-M4-M5-M6
- manual included

Item #
407

PRO+

Stripping Pliers

- self-adjusting for cable Ø 0.2 - 6 mm
- front-cutting with adjustable length stop
- for stripping from 8 to 12 mm
- cutter up to 2 mm diameter
- locking device for space saving and preserving saw blades

Item #
8379

PRO+

2-IN-I Wire & Cable Stripper

- for stripping cables and wires
- sharp precision shear-type blades for clean cuts on solid and stranded copper wire
- extra sharp blade easily slices through cable jackets
- easy-to-read markings
- spring-loaded mechanism provides fast self-opening action
- compact size design with locking function
- includes 2 spare blades
- ABS housing with carbon steel blade
- length: 115 mm

PRO+

Item #	Description
8489	2-IN-I Wire & Cable Stripper , 0.2 - 0.8 mm
8490	2-IN-I Wire & Cable Stripper, 0.8 -2.6 mm

Crimping Tool for Cable End Sleeves, 0.5-2.5 mm²

- forged
- insulated cushion-grip
- spring-loaded handles for cable brackets
- 0,5-0,75-1,0-1,5-2,5 mm²
- 150 mm long

Item #
1428

PRO+

Crimping Tool for Cable End Sleeves, up to 16 mm²

- suitable for conducter sleeves in sizes
  0,5 - 0,75 - 1,0 - 1,5 - 2,5 - 4,0 - 6,0 - 10,0 - 16,0 mm²
- 190 mm long

Item #
1429

PRO+

Crimping Tool for Cable End Sleeves, incl. 150 Sleeves

- 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
- cable end sleeves included in following sizes:
  40 pc.: 0,5 x 6 mm
  40 pc.: 0,75 x 6 mm
  30 pc.: 1,0 x 6 mm
  20 pc.: 1,5 x 7 mm
  20 pc.: 2,5 x 7 mm
- 190 mm long

Item #
1430

PRO+

Automatic Wire Stripper, 0.13-6 mm²

- for wires with diameters 0,13-6 mm²
- with cutter for insulated/not insulated terminals
- length 210 mm

Item #
442

PRO+

5-way Crimping Tool, 235 mm

- workshop finish with wire cutter
- combined tool for insulated and non-insulated terminals
- soft blue handles
- 3 mm thickness
- for non-insulated terminal sizes 1.5 - 2.5 - 4-6mm
- for insulated terminal sizes:
  1.5 mm (red) - 2.5 mm (blue) - 6 mm (yellow)
- wirre stripping 0.75 - 1.0 - 1.5 - 2.5 - 4.0 - 6.0mm
- bolt head cutter M2,6 - M3 - M3,5 - M4- M5

Item #
418

PRO+

5-way Crimping Tool, 200 mm

- workshop finish
- 3mm thickness
- especially for non-insulated terminals 1.5 - 2.5 - 6mm
- with wire cutter
- wire stripping: 0.75 - 1.0 - 1.5 - 2.5 - 4.0 - 6.0mm
- spark plug connector
- bolt head cutter M2,6 - M3 - M3,5 - M4- M5

Item #
1422

PRO+

Ratchet Crimping Tool 0.5-6 mm²

- for not insulated terminals
- 0,5-1-1,5-2,5-4-6 mm²

PRO

Item #	Description
1417	1 Pair of Jaws for Item 1419
1419	Ratchet Crimping Tool 0.5-6 mm²

Ratchet Crimping Tool, 0.5-4 mm²

- for cable end sleeves
- 0,5-0,75-1,0-1,5-2,5-4 qmm
- length 215 mm

Item #
1418

PRO

Ratchet Crimping Tool, 0.5 - 6 mm²

- forged
- insulated handles,
- for insulated terminals
  0.5 - 1.5 / 1.5 - 2.5 / 4 - 6 mm²
- length 215 mm

Item #
1426

PRO

Ratchet Crimping Tool

- Crimping tool set with ratcheting function
- 2 exchangeable 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

PRO+

Crimping Jaws for Japanese Motorcycles

- suitable for BGS 1410 - 1411 - 1412

Item #
1413

PRO+

Crimping Tool Set with 5 Pairs of Jaws

- Crimping tool set with ratcheting function and adjustable jaws
- includes 5 exchangeable crimping jaws for:
- closed non-insulated terminal ends:
  AWG 20-18 / 16-14 / 12-10 / 8
  DIN 1.5 / 2.5 / 6 / 10 mm²
  JIS 1.25 / 2 / 5.5 / 8 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 22 / 20 / 18 / 16 / 14 / 12
  DIN 0.5 / 0.75 / 1.0 / 1.5 / 2.5 / 4.0 mm²

Supplied in an acid-proof blow mould case.

Item #
1410

PRO+

Crimping Tool Set including 1000 Terminals, assorted

- Crimping tool set with ratcheting function and adjustable jaws
- includes 2 exchangeable jaws for
  1. insulated end terminals 0,5 - 6 mm² (red-blue-yellow)
  2. non-insulated end terminals 1,5 - 10 mm²
- 1000 terminals included

Supplied in an acid-proof blow mould case.

Item #
1411

PRO+

BNC/TNX-Crimping Jaws for Art. 1410 / 1411

- for BNC/TNC-coaxial connectors RG 58, RG 59, EG 62

Item #
1410-BNC

PRO+

Electronic Combination Pliers, Spring loaded, 120 mm

- satin nickel plated
- slip guard handles with soft grips for comfort

Item #
380

PRO+

Electronic Diagonal Side Cutter, Spring loaded, 115 mm

- satin nickel plated
- slip guard handles with soft grips for comfort

Item #
381

PRO+

Electronic Diagonal Longnose Pliers, Spring loaded, 130 mm, straight

- satin nickel plated
- slip guard handles with soft grips for comfort

Item #
382

PRO+

Electronic Bent Nose Pliers, Spring loaded, 125 mm

- satin nickel plated
- slip guard handles with soft grips for comfort

Item #
383

PRO+

Electronic End Cutting Pliers, Spring loaded, 105 mm

- satin nickel plated
- slip guard handles with soft grips for comfort

Item #
384

PRO+

Electronic Nose Pliers, 125 mm

- especially suitable for roll bending of cables and other work in electronics and electric area
- 2-component handles
- straight type

Item #
386

PRO+

Precision Side Cutter

- especially suitable for electricians
- allows precise cutting of flexible and rigid cables
- suitable for copper cables up to 1.5 mm²
- length: 115 mm

Item #
387

PRO+

Precision Pliers Set "Mini"

- 5-piece
- double spring loaded
- insulated handles

content:
- combination pliers 120 mm
- diagonal side cutters 115 mm
- long nose pliers 130 mm
- bent nose pliers 105 mm
- end cutting pliers 105 mm

Supplied in a black zipper wallet

Item #
463

PRO+

3-piece VDE Pliers Set

- VDE approved DIN 60900
- includes:
  - combination pliers 180 mm
  - wire stripper 160 mm
  - side cutter 160 mm
  - high quality zipper case

Item #
7158

PRO+

VDE Combination Pliers, 180 mm

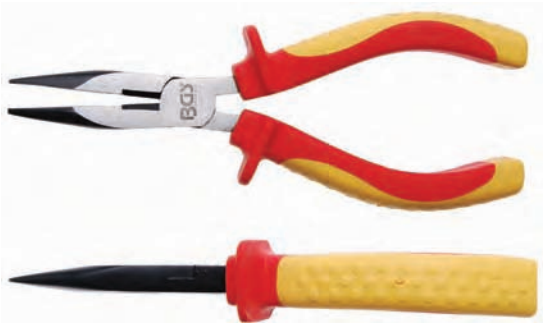
- VDE approved according to DIN EN 60900
- easy to handle with non-slip grip

Item #
7150

PRO+

VDE Long Nose Pliers, 160 mm

- VDE approved according to DIN EN 60900
- easy to handle with non-slip grip



Item #
7151

PRO+

VDE Long Nose Pliers, 200 mm

- VDE approved according to DIN EN 60900
- easy to handle with non-slip grip

Item #
7152

PRO+

VDE Long Nose Pliers, 200 mm, angled

- VDE approved according to DIN EN 60900
- easy to handle with non-slip grip

Item #
7153

PRO+

VDE Side Cutter, 160 mm

- VDE approved according to DIN EN 60900
- easy to handle with non-slip grip

Item #
7154

PRO+

VDE Side Cutter Heavy Duty, 180 mm

- VDE approved according to DIN EN 60900
- easy to handle with non-slip grip

Item #
7155

PRO+

VDE Stripping Pliers, 160 mm

- VDE approved according to DIN EN 60900
- easy to handle with non-slip grip

Item #
7156

PRO+

VDE Waterpump Pliers, 250 mm

- VDE approved according to DIN EN 60900
- easy to handle with non-slip grip

Item #
7157

PRO+

10-piece Electricians Tool Set

- 6 insulated screwdrivers:
  - plain slot 0,5-0,8-1,0 mm
  - cross slot PH 0-1-2
- 1 voltage tester 140 mm
- 1 diagonal side cutters 165 mm
- 1 combination pliers 180 mm
- 1 long nose pliers 160 mm

Item #
346

PRO+

10-piece Precision Mechanic Tool Kit

4 spring loaded precision pliers, satin nickel plated with pattern handles
- combination pliers 120 mm
- diagonal side cutters 115 mm
- long nose pliers 130 mm
- bent nose pliers 125 mm

6 precision screwdrivers, satin nickel plated blades with black finish magnetic tips, blades 50 mm long
sizes:
- plain slot 2,0-2,5-3,0
- cross slot PH 00-0- 1

Supplied in synthetic leather wallet

Item #
350

PRO+

4-piece Circlip Pliers Sets

- Straight and bent tips
- for internal and external circlips
- non-slip cushion grip handles

Packed in a solid vinyl wallet

PRO

Item #	Description
450	4-piece Circlip Pliers Set, 150 mm
447	4-piece Circlip Pliers Set, 175 mm
650	4-piece Circlip Pliers Set, 225 mm
651	4-piece Circlip Pliers Set, 300 mm

Circlip Pliers, 180 mm

- for assembly and removal of retaining rings
- specially hardened tips
- coated handle

PRO+ CV

Item #	Description
428	Circlip Pliers, 180 mm, straight, for outside circlips
429	Circlip Pliers, 180 mm, angular, for outside circlips
432	Circlip Pliers, 180 mm, straight, for inside circlips
434	Circlip Pliers, 180 mm, angular, for inside circlips

3-piece Lock Ring Pliers Set for Drive Shafts

- for assembly of locking rings on driveshafts
- straight, bent and 30° offset type
  (available as 3 pcs. set or separately)

PRO+

Item #	Description
66105	Lock Ring Pliers for Drive Shafts, 30° Bent Tip
66107	Lock Ring Pliers for Drive Shafts, straight type
66109	Lock Ring Pliers for Drive Shafts, bent type
66110	3-piece Lock Ring Pliers Set for Drive Shafts

Internal Circlip Pliers, 90° Offset

- for internal clips
- self-opening
- length 165 mm
- tip length approx. 65 mm
- handles dip insulated

Item #
449

PRO+

4-piece Snap Ring Pliers Set for small Locking Circlips

- 80 mm long
- tip-Ø 1 mm
- for internal and external locking circlips
- straight and bent pliers
- vinyl insulated handles

Item #
444

PRO+

4-piece Circlip Pliers Set

- internal and external
- jaws In 45°, 90° and straight
- for snap rings with Ø 10 - 50 mm

Item #
458

PRO+

Professional Circlip Pliers, 165 mm long, for external Circlips

- adjustable and exchangeable tips
- straight +45° +90° via "quick adjusting"
- insulated handles

PRO+

Item #	Description
445	Professional Circlip Pliers, 165 mm long, for external Circlips
446	Professional Circlip Pliers, 165 mm long, for internal Circlips

10-piece Circlip Pliers Set

- one pair of ratchet pliers each for internal and external clips
- 4 pairs of exchangeable tips for each pair of pliers: 8 possible applications
- circlips easy to adjust because of the ratcheting function
- length 265 mm

Item #
453

PRO+

Circlip Pliers Set, extra groß

- one pair of ratchet pliers each for internal and external clips
- 3 pairs of exchangeable tips for each pair of pliers = 6 possible applications
- circlips easy to adjust because of the ratcheting function
- for inner circlips from 16 to 80 mm
- for outer circlips from 11 to 73 mm
- length 420 mm
- for motor trucks and agricultural machines

Item #
478

PRO+

Long Nose Self Grip Pliers, extra long

- special steel
- chrome plated

PRO+

Item #	Description
4496	Long Nose Self Grip Pliers, 380 mm
4497	Long Nose Self Grip Pliers, 500 mm

Long Nose Self Grip Pliers

- special steel
- nickel plated
- hardened and tempered jaw

PRO

Item #	Description
474	Long Nose Self Grip Pliers, 170 mm
475	Long Nose Self Grip Pliers, 225 mm
476	Long Nose Self Grip Pliers, 250 mm

Long Nose Self Grip Pliers, extra short, 125 mm

- special steel
- chrome plated
- 6 times riveted
- straight jaw

Item #
506

PRO+

Automatic Locking Pliers

- heavy duty finish
- self-adjusting, for one-handed operation
- self adjusting jaw width by automatic patented locking mechanism and not by conventional screw
- jaws can hold up to 20 mm thick workpieces (35 mm for 230 mm version)
- contact pressure can be fine-adjusted separately by screw, so you can find the correct pressure for each material and different applications
- rubberized quick release lever

PRO+ CV

Item #	Description
585	Automatic Locking Pliers, 160 mm
586	Automatic Locking Pliers, 230 mm

4-piece Grip Pliers Set

- self grip pliers in the following sizes:
  125 mm, 180 mm, 250 mm
- long nose pliers 150 mm
- adjustable pressure
- in pouch

Item #
494

PRO+

Self Grip Pliers "Expert", 250 mm

- nickel plated
- expert quality
- opening with vinyl quick release lever

In coloured box

Item #
4491

PRO+ CV

Self Grip Pliers, Vinyl Release Lever, 250 mm

- special steel
- nickel plated
- opening with vinyl quick release lever

Item #
4490

PRO+

Self Grip Pliers, 3 way adjustable, 225 mm

- special steel
- range up to 55 mm

Item #
493

PRO

Self Grip Pliers, 225 mm

- special steel
- black finish
- adjustable
- polished & curved jaws

Item #
485

PRO

Self Grip Pliers, extra short, 100 mm

- special steel
- chrome plated
- 6 times riveted
- curved jaw

Item #
505

PRO+

Automatic Needle Nose Locking Pliers, 190 mm

- heavy duty finish
- self-adjusting, for one-handed operation
- self adjusting jaw width by automatic patented locking mechanism and not by conventional screw
- jaws can hold up to 20 mm thick workpieces
- contact pressure can be fine-adjusted separately by screw, so you can find the correct pressure for each material and different applications
- rubberized quick release lever

Item #
587

PRO+ CV

Special Vice-Grip Locking Pliers, Claw Design, 26/35 mm

- special steel
- perfect hold on damaged screws/bolts through special claw design
- secure hold on pipes and lines

Item #
491

PRO+

Self Grip Welding Clamp, extra short, 110 mm

- special steel
- chrome plated
- 5 times riveted
- for holding bulky pieces of work (range up to 35 mm)
- flexible jaw

Item #
507

PRO+

Self Grip Welding Clamp "Expert", 280 mm

- special forged steel
- nickel plated
- opening with vinyl quick release lever

Item #
495

PRO+

Self Grip Welding C-Clamp, 280 mm

- special steel
- forged
- nickel plated

Item #
496

PRO+

Self Grip Welding C-Clamp, 475 mm

- special steel
- forged
- nickel plated

Item #
497

PRO+

L-Type Self Grip Pliers

- forged
- nickel plated
- with long arm for various clamping operations

PRO+

Item #	Description
501	L-type Self Grip Pliers, 7" (75 mm Capacity)

Special Self Grip Pliers with Quick Release Lever, 195 mm

- for working on car bodies, forging and clamping on door frames, wheel arches side panels, flanges, sheets and many more
- for plug welding in between the cut aways (e.g. door frames, flanges, etc.)

Item #
480

PRO+

Special Self Grip Pliers with Quick Release Lever, 195 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.

Item #
484

PRO+

Special Self Grip Pliers with Quick Release Lever, Length 210 mm

- for working on car bodies, forging and clamping on door frames, wheel arches side panels, flanges, sheets and many more
- for plug welding in between the jaws
- diverse applications possible (e.g. side panels, roof, etc.)

Item #
482

PRO+

Automatic Fork Jaw Locking Pliers, 210 mm

- high duty finish
- self-adjusting, for one-handed operation
- self adjusting jaw width by automatic patented locking mechanism and not by conventional screw
- jaws can hold up to 35 mm thick workpieces
- contact pressure can be fine-adjusted separately by screw, so you can find the correct pressure for each material and different applications
- rubberized quick release lever

Item #
590

PRO+ CV

16-piece Vice Grip Pliers Set

- 3 round nose locking pliers, 185 x 55mm
- 5 round nose locking pliers, 235 x 65 mm
- 2 welding locking pliers 235 x 65 mm
- 2 round nose locking pliers, 135 x 45mm
- 2 welding clamp locking pliers 280 x 140 mm
- 1 medium locking pliers
- 1 small locking pliers

- alle pliers have strong non-slip rubber handles

Item #
4495

PRO

Professional Revolving Punch Pliers with Lever Transmission

- punch sizes: 2-2,5-3-3,5-4-4,5
- heavy duty finish
- lever transmission reduces the power needed

Item #
561

PRO+

Hole Punch and Eyelet Pliers, incl. Eyelet Assortment, 180 mm

- heavy duty finish
- includes 100 pcs. eyelets

PRO

Item #	Description
569	Hole Punch and Eyelet Pliers, 5 mm, incl. Eyelet Assortment, 180 mm
570	Hole Punch and Eyelet Pliers, 4.5 mm, incl. Eyelet Assortment, 180 mm

275-piece Eyelets and Snap Fastener Assortment

- incl. self grip pliers
- 18 interchangeable punch and die heads
- eyelets in various sizes
- 10 mm snap fastener for riveting and screwing

In plastic window case

PRO+

Item #	Description
572	275-piece Eyelets and Snap Fastener Assortment
572-1	Eyelets and Snap Fastener Assortment for BGS 572, 195-piece

Automatic Wire Twister, 310 mm

- for twisting wires and ropes
- e.g. to close garbage bags

Item #
1482

PRO+

Tinmans Shears, cuts left + straight, 260 mm

- tooth jaw forged from chrome vanadium steel
- red handles

Item #
1680

PRO+

Tinmans Shears, cuts right + straight, 260 mm

- tooth jaw forged from chrome vanadium steel
- blue handles

Item #
1681

PRO+

Hand Nibbler, 240 mm

- for cutting metal sheets up to 1.2 mm, plastic pipes and a wide variety of materials up to 2 mm thickness

PRO+

Item #	Description
1605	Hand Nibbler, 240 mm
1606	Spare Blade for Item # 1605

Sheet Shear, 250 mm

- dip-coated handles
- spring mechanism
- with safety latch

Item #
8476

PRO+

Mini Bolt Cutter, 200 mm

- suitable for ferrous and non-ferrous metals
- hardened jaws

Item #
1917

PRO+

Cable Cutter, 240 mm

- for cable diameters of up to 25 mm
- red / black cushion grip handle

Item #
329

PRO+

Steel Cable Cutter, 195 mm

- cuts steel cables up to Ø 5 mm
- cuts also spring wires up to Ø 1,5 mm
- SK5 high carbon steel blades

Item #
385

PRO+

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Pullers, Reversible Twin Leg

- forged
- chrome plated

PRO

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

Pullers, Reversible Triple Leg

- forged
- chrome plated

PRO

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

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

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

PRO+ CV

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

Parallel Puller, 90x100 mm, fine thread

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

Item #
7780

PRO+

Parallel Puller, 130x100 mm, fine thread

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

Item #
7781

PRO+

Parallel Puller, 160x150mm, fine thread

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

Item #
7782

PRO+

Parallel Puller, 200x150 mm, fine thread

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

Item #
7783

PRO+

Parallel Puller, 250x200mm, fine thread

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

Item #
7784

PRO+

Universal Puller Set

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

Item #
7785

PRO+

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

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

PRO+

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

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

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

Item #
7737

PRO+

Universal Pulley Puller

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

Item #
8273

PRO+

Wiper Arm Puller, 16-41 mm

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

PRO+

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

Wiper Arm Puller

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

Item #
9967

PRO+

Wiper Arm Puller Ford, Seat & Mercedes

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

Item #
7796

PRO+ CRO MO

Wiper Arm Puller VW & Porsche

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

Item #
7797

PRO+

Windscreen Wiper Arm Puller

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

Item #
9974

PRO

Wiper Arm Puller Audi Q7, 26.5 mm

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

Item #
7792

PRO+ CRO MO

Wiper Arm Puller Audi, 15 mm

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

Item #
7793

PRO+ CRO MO

Wiper Arm Puller VW, Opel & Honda

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

Item #
7794

PRO+ CRO MO

Wiper Arm Puller BMW & VW

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

Item #
7795

PRO+ CRO MO

BMW Windshield Wiper Arm Remover

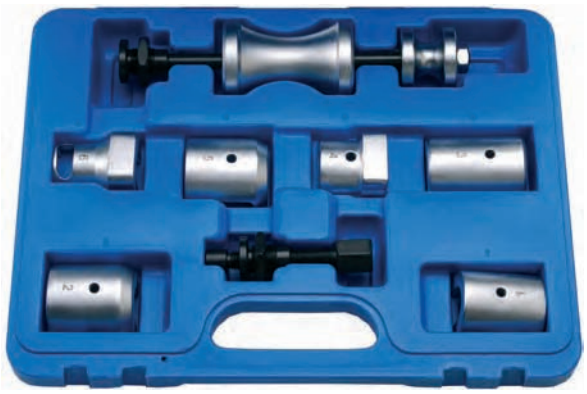
-for following BMW models:
E12, E21, E23, E24, E28, E30, E30C, E31, E32, E32/3, E34, E36, E36/2, E36/3, E36/5, E36/7, E36/C, E38, E38/3, E39, E39PL, E46, E46/16, E46/2, E46/3, E46/5, E46/C, E52, E53, E60, E 65, E66, E67, E85, RR1
- adjustable plate

Item #
9966

PRO+

Wiper Arm Puller Set

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



Item #
7758

PRO+

13-piece Windscreen Wiper Arm Puller Set

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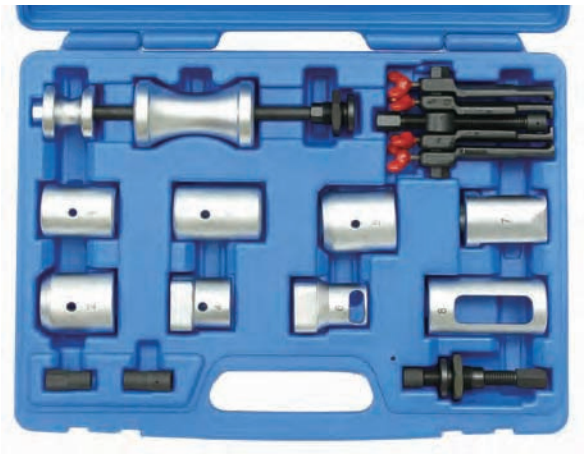
- socket 4 fits Citroen, Hyundai, MB, Opel, Mercedes
- socket 5 fits Alfa-Romeo, Audi, BMW, Jaguar, Land Rover, Mazda, MB, Volvo, VW
- socket 6 fits Citroen, Ford, Peugeot
- socket 7 fits Audi, BMW, Land Rover
- socket 8 fits Audi, BMW, Citroen, Chevrolet, Daewoo, Daihatsu, Fiat, Ford, Land Rover, Mazda,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



Item #
65700

PRO+

Two Leg Puller for Battery Terminals and Windscreen Wiper Arms

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

Item #
7743

PRO+

Special Puller, extra long

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

Item #
7731

PRO+ CV

Miniature Puller, 19-45 mm

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

Item #
7738

PRO+

Ribbed Drive Puller

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

Item #
7779

PRO+

2 / 3 Jaw Puller Set

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

Item #
8506

PRO+

10 ton Hydraulic Puller Set

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

Item #
7729

PRO+

10-piece Blind Hole Bearing Puller Set

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

PRO+

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

Hydraulic Ram for Pullers and Extractors

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

PRO+

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

7-piece Ball Joint Remover Set

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

Item #
1790

PRO+

Internal / External Puller Set

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

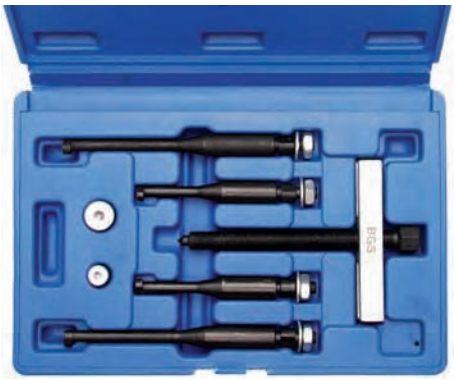
including
- triple leg gear wheel puller
- triple leg int. ball-bearing puller
- 1 deep puller
- 1 convex screw connection

Item #
7734

PRO+

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

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



Item #
7752

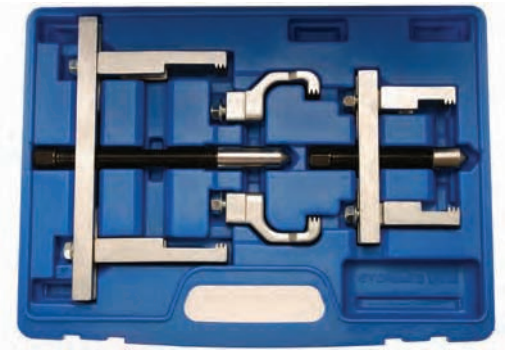
PRO+

10-piece Belt Pulley Puller Set

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

Item #
7770

PRO+



Shaft Drive Belt Pulley Puller

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

Item #
1767

PRO+

15-piece Puller Set for Differential Gearboxes

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

Item #
7736

PRO+

10-piece Bearing Puller Set

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

Item #
7744

PRO+

Separating Knife and Bearing Puller Set

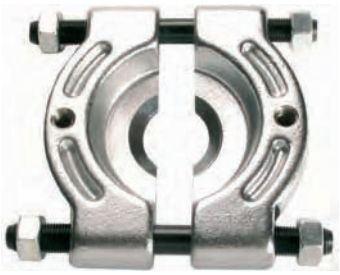
- facilitates disassembly of bearings
- opening size 45 mm to 60 mm
- M10 x 98 mm pressure spindle with 19 mm hex drive
- M10 x 58 mm pressure spindle with 19 mm hex drive
- spindle heads are equipped with a ball tip for removal of bearings

Item #
8277

PRO+

Ball Bearing Separators

- HRC 42-45°
- forged
- chrome plated



PRO+

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

14-piece Splitting Knife Set for Ball Bearing Assemblies

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

Item #
7750

6-piece Splitting Knife Set for Ball Bearing Assemblies

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

Item #
7753

PRO

Sliding Hammer Extractor

- suitable for PSA engines
- for fast, accurate and professional extraction of stuck valve stem seals without causing damage to the surrounding areas
- fits from 10-19 mm

In carrying case

Item #
62610

PRO+

6-piece Drive Shaft Socket Set

12.5 ½

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

Item #
5334

PRO+ CRO MO

7-piece Drive Shaft Feeder Set

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

Item #
8245

PRO+

6-piece Puller Set with Sliding Hammer, forged

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

Item #
7745

PRO+

Front Hub Puller, 100-115 mm

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

Item #
7733

PRO

Wheel Bearing Puller with Sliding Hammer

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

Item #
7735

PRO+

Sliding Hammer for Item # 7712, 7733

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

Item #
7719

PRO+

Pull Adaptor for Item # 7719,1677, 7733

- for use with sliding hammer 7719, 1677
- also replacement for 7735, 7745, 7733
- for flanges with 4 and 5 hole
- hole distance of 100 to 115 mm
- thread size up to M14

Item #
7712

PRO+

10To. Drive Shaft Puller Set, hydraulic

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

Item #
7681

PRO+

Hydraulic Drive Shaft Puller

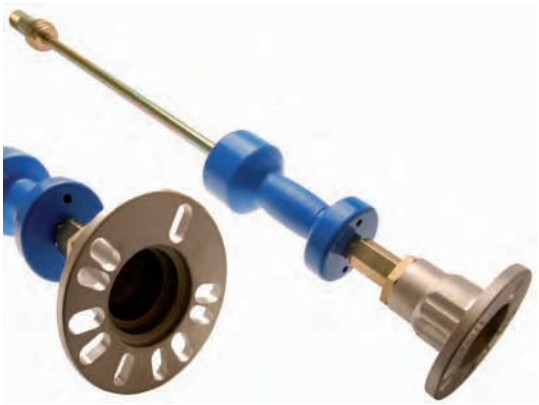
- 12-ton hydraulic ram
- especially for glued and rusty drive shafts
- fits on 4- and 5-hole hubs with hole circle diameter of 98 to 125 mm
- for SUVs and light trucks
- spindle can be turned by hand or ratchet

Item #
7774

PRO+

Wheel Hub Puller with Heavy Sliding Hammer

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

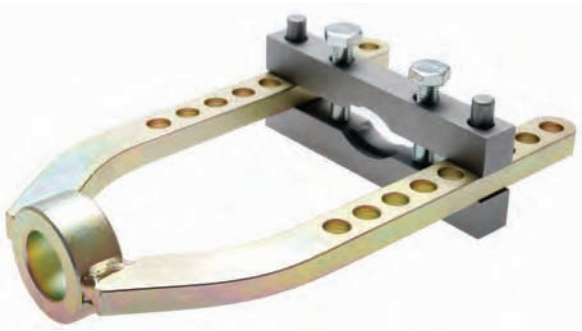


PRO+

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

Propshaft Separator

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



Item #
1518

PRO+

Output Shaft Removing Tool for BMW 4WD

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

Item #
8292

PRO+

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

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

Item #
1141

PRO+

4-piece Universal Axle Boot Set

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

Item #
164

PRO+

Chain Pipe Cutters

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

PRO+

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

Ratcheting Tube Cutter for Exhaust Pipes

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

PRO+

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

Exhaust Pipe Expander

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

PRO+

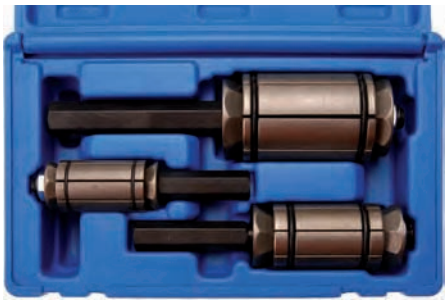
Item #	Description
120	Exhaust Pipe Expander, 38-64 mm
127	Exhaust Pipe Expander, 28-44 mm
128	Exhaust Pipe Expander, 54-89 mm

Exhaust Pipe Expander Set

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

Item #
129

PRO+



Exhaust Pipe Expander

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

Item #
8564

PRO+

2-piece Exhaust Rubber Hook Set

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

Item #
8440

PRO+

Exhaust Pipe Remover

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

Item #
121

PRO+

Exhaust Pipe Compressor

for VAG

Item #
1142

PRO+

Exhaust Pipe Rubber Ejection Pliers

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

Item #
8256

PRO+

Removing Pliers for Exhaust Rubbers

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

Item #
8258

PRO+

Exhaust Pipe Separating Tool

- for stuck-type hard to separate exhaust pipes
- suitable for pipe Ø 51mm-60mm
- solid steel jaws
- chrome plated screws for 17 mm & 3/8" drive
- 19 mm Zinc plated compression fitting
- compression range 0 mm - 120 mm

Item #
119

PRO+

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

- quickly adjustable for creating conical / tapered flares
- for brass and aluminium pipes
- sizes 4-16 mm (3/16" - 5/8")

Item #
360

PRO

Professional Flaring Tool

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

PRO+

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

Hydraulic Flaring Tool

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

PRO+

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

2-piece Professional Brake Bleeder Tool Set

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

Item #
8080

PRO+

Air Brake Bleeding and Oil Extraction Unit

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

Item #
3155

PRO+

Professional Air Brake Bleeder

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

Item #
8315

PRO+

Adapter Set for Air Brake Bleeder BGS 8315

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

Please note:
The set is suitable for Brake Bleeder BGS 8315
not apply to equipment with a european
(compressed air) coupling

Item #
8316

PRO+

Brake Bleeder Tool

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

Item #
8066

PRO+

Brake Bleeding Bottle

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

Item #
8519

PRO+

Brake Bleeding Valve

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

Item #
8403

Adaptor for Brake Bleeder BGS 8066 / 8080

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

Item #
8066-1

E20 Adapter for Brake Bleeder

- suitable for VOLVO C30, S40 > 2004, V50, FORD Focus >2008, Fiesta >2008, C-Max, Galaxy >2006, Kuga, S-Max and other European cars with 46,5 mm filling openning
- European connector 1/4"
- made of aluminum, with angled hose connector for working in tight spaces
- cannot be used with BGS 8315

Item #
9001

11 mm Line Wrench / Brake Pipe Wrench with Ratcheting Function

- brand new item, ring ends with **ratcheting function**
- lenght 160 mm, one side with straight and one with flexible ring end
- **rings can be opened to fit around a pipe**
- an internal spring ensures the ring closes securely around the nut
- the more pressure you put on the tools in the driving direction, the tighter the head closes around the nut; this prevents tool slipping unnecessarily

Item #
1754

Brake Pipe Wrench with Ratcheting Function, 10x11 mm

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

Item #
1722

PRO+

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

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

Item #
1760

PRO+ CV

N-Type Brake Bleeder Wrenches, single

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

PRO+ CV

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

5-piece Brake Bleeder Wrench Set, 7-11 mm, N-Type

- 7-8-9-10-11 mm (both sides)
- N-type shape
- ideal for working in hard to reach areas

In a robust zipper wallet

Item #
1753

PRO+ CV

6-piece Brake Spanner Set

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

Item #
1240

PRO+

Adjuster for Brake and Gas Pedal

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

Item #
9976

PRO+

43-piece Brake Piston Wind-Back Set

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

Item #
1116

PRO+

18-piece Brake Piston Wind-Back Set

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

Item #
1119

PRO+

13-piece Brake Piston Wind-Back Set

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

Item #
1127

PRO+

16-piece Air Brake Piston Wind Back Tool Set

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

Item #
1117

PRO+ CE

Air Brake Piston Wind Back Tool

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

Item #
1118

PRO+

7-piece Brake Caliper Tool for Iveco Trucks

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

Item #
1104

PRO+

Brake Piston Wind Back Adaptor for Golf V / VI

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

Item #
1106

PRO+

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

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

Item #
1124

PRO

Wind-Back Tools

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

PRO+

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

Brake Piston Wind-Back Tool for floating calipers

- allows quick and easy pushing back of brake pistons on front and rear brake calipers (floating type) without hand brake function
- suitable for most car models

Item #
8499

PRO+

Brake Piston Wind-Back Tool for fixed calipers

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

Item #
8498

PRO+

Brake Piston Wind Back Tool for VW T5

- special tool for VW T5

Item #
1113

PRO+

Universal Brake Piston Wind-Back Tool with double guide

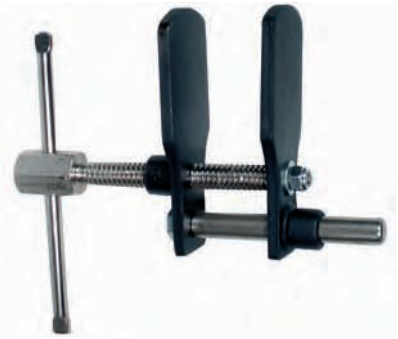
- for pushing back the brake pistons on e.g. front brake calipers
- suitable for most cars and vans
- two guides for very stiff pistons
- made of cast steel with carbon steel spindle

Item #
67309

PRO+

Brake Piston Wind-Back Tool, Universal

- universal tool for brake pistons without spinning device



Item #
1126

PRO+

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

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

Item #
1123

PRO+

Brake Pad Key, 7 mm

Item #
1122

PRO+

Reamer Set for ABS Sensor Hole

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

Item #
65525

PRO+

ABS Sensor Reamer Set

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

PRO+

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

Internal Hexagon Socket for Brake Calipers, very short type

10 ■ 3/8

- for loosening / tightening the bolts of brake calipers
- very low profile: 24 mm

- BGS 4995
  especially suitable for rear brake calipers
  on Mercedes C-Class models

- BGS 4996
  especially suitable for rear brake calipers
  on Audi A4, A6, A8 models

PRO+

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

3-piece Pentagon Socket Set, 1/2"

12.5 ½

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

Item #
1112

PRO+

Brake Thread Repair Kit M9x1.25

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

PRO+

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

Special Square File, 270 mm

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

Item #
1792

PRO+

Special Steel Wire Filled Cleaning Brush, 230 mm

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

Item #
1793

PRO+

Brake Caliper Brush, 230 mm

- steel wire

Item #
1798

PRO+

Brake Disk Precision Gauge, 160 mm

- inox
- measuring range 60 mm

In plastic box

Item #
1937

PRO+

Digital Brake Disc Vernier Caliper, 160 mm

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

In plastic box

Item #
1943

PRO+ CE

15-piece Brake Maintenance and Assembly Tool Set

All purpose set includes following tools:

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

In carrying case

PRO+

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

6-piece Allround Brake Drum Tool Kit

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

Item #
1833

PRO

Brake Spring Assembly Tool Aluminium Handle

- zinc coated
- for assembling and removing braking plate springs

Item #
1135

PRO

Extraction Tool for Brake Shoe Spring

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

Item #
8308

PRO+

Brake Spring Installer for Mercedes Parking Brake

- especially for Mercedes parking brake
- total length 140 mm

Item #
1791

PRO+

Brake Cable Spring Pliers, 210 mm

- for removing brake drum springs

Item #
1832

PRO+

Brake Spring Pliers with Claw, 330 mm

- with movable claw for riveted and glued pads

Item #
1817

PRO+

Brake Cable Spring Pliers, 215 mm

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

Item #
1831

PRO+

Brake Drum Gauge, 160-360 mm

- for brake drums, size between 160-360 mm

Item #
1939

PRO

Brake Cylinder Honing / Cleaning Tools

6.3 ■ 1/4

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

PRO+

Item #	Description
1155	Honing/Cleaning Tool, 2-arm, Ø 19-56 mm, 30 mm Heads
1156	Honing/Cleaning Tool, 3-arm, Ø 32-90 mm, 50 mm Heads
1157	Honing/Cleaning Tool, 3-arm, Ø 51-178 mm, 100 mm Heads
1145	2 Spare Grinding Heads for Art. 1155, 30 mm Heads, Grain # 220
1146	3 Spare Grinding Heads for Art. 1156, 50 mm Heads, Grain # 220
1257	3 Spare Grinding Heads for Art. 1157, 100 mm Heads, Grain # 280
1258	3 Spare Grinding Heads for Art. 1155, 75 mm Heads, Grain # 280
1147	3 Spare Grinding Heads for Art. 1157, 100 mm Heads, Grain # 180

38-piece Brush Assortment

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

Item #
3078

PRO+

20-piece Brush Set

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

In nylon pouch

Item #
379

PRO+

Wire Brush, industrial steel, 5-rows

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

Item #
3073

PRO+

General Purpose Wire Brushes

PRO

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

Wire Cup Brush, Diameter 75 mm

- with 6 mm shank
- crimped steel

Item #
3076

PRO

Wire Disc Brush, Diameter 100 mm

- with 6 mm shank
- crimped steel

Item #
3077

PRO

Wire Cup Brush M14x2, Diameter 65 mm

- knotted

Item #
3980

PRO+

Wire Disc Brush 115 mm, M14 x 2

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

Item #
3981

PRO+

Wire Disc Brushes

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

PRO

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

Wire Pencil Brush, 20 mm

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

Item #
8363

PRO+

Wire Pencil Brush, 28 mm, brass coated

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

Item #
8364

PRO+

125 mm Rubber Backing Disc

- 6 mm shank

Item #
3074

PRO

Special Wrenches for Fuel Pipe Fittings

- facilitates the disassembly / assembly of Diesel injection pipes on injectors and other pipe fittings
- lenght: 119 mm

PRO+

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

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

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

Item #
8291

PRO+ CV

6-piece Injector Removal Kit

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

Item #
7771

PRO+ CROMO

1/2" Injector Socket, 10 mm Internal Hexagon

12.5 ½

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

Item #
4478

PRO+ CV

4-Tooth Special Nozzle Socket for Mercedes, Neopplan, Setra

- sockets for working on the nozzle holder
- 32 mm outer hexagon drive, length 70 mm
- 4-tooth with internal thread M14 1.5 mm, fits Mercedes, Neopplan, Setra

- replacement tool for Art. 67210

Item #
67210-1

PRO+

4-piece Special Truck Socket Set

- sockets for working on the nozzle holder
- socket 1/2" drive , 4-tooth, length 72 mm, fits Mercedes series: OM 401/421, 403/423, LA, A, 470
- socket with 32 mm outer hexagon, length 70 mm, 4-tooth with internal thread M14 1.5 mm, fits Mercedes, Neopplan, Setra
- socket 1/2" drive, 3-tooth, length 120 mm, fits Mercedes, MAN
- socket with 32 mm outer hexagon, length 120 mm, 4-tooth, fits MAN, Mercedes

Item #
67210

PRO+

Nozzle Extractor, Four Tooth for MAN and Mercedes

- extractor made of carbon steel with four tooth counterholder and 27 mm 6-pt
- suitable for MAN and Mercedes trucks
- M14 Spindle
- spindle with 6 mm hex drive for mounting nozzle on spindle
- allows easy and professional removal of the nozzle
- length: 105 mm

Item #
67230

PRO+

Multi-Point Socket for Mercedes Injection Pumps, 33 teeth

12.5 ½

- for mounting and dismounting of injection pumps
- suitable for Mercedes-Benz models: 601, 602, 603, 605, 606, 615, 616 and 617

Item #
5350

PRO+ CV

Extractor for Common Rail Injector Needles

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

Item #
8309

PRO+

Sockets for Diesel Injection Lines

12.5 ½

PRO+ CV

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

Injector Gasket Puller, 230 mm

- for removal of hard to loose copper rings

Item #
62630

PRO+

Diesel Nozzle Extractor, Bosch & Lucas

- facilitates the extraction of diesel nozzles
- internal thread suitable for Bosch and Lucas nozzles
- weight: 1000 g
- length: 230 mm

Item #
8571

PRO

4-piece Injector Socket Set

12.5 ½

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

Item #
8351

PRO+ CRO MO

CDI Injector Puller

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

Item #
8244

PRO+

Puller for Common Rail Injector

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

PRO+

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

Stubborn Injector Puller for Mercedes CDI Engines

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

Item #
1678

PRO+

8-piece CDI Injector Extractor Set

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

PRO+

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

3-piece Injector Extractor Set

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

PRO+

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

HDI Injector Puller

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

Item #
8349

PRO+

5-piece Injector Sealing Cutter Set for CDI Engines

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

Item #
62605

PRO+

Grinder for 15 mm Injector Nozzle Seating Area

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

Item #
62606

PRO+

7-piece Injector Sealing Surfaces Cutter Set

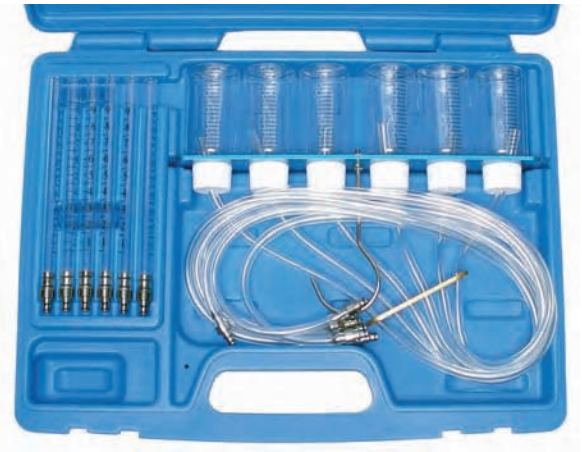
- 1 flat reamer 15 x 19 mm for universal application
- 1 flat reamer 17 x 17 mm for BMW / PSA / Renault
- 1 flat reamer 17 x 19 mm for BOSCH / Mercedes CDI
- 1 angled reamer 17 x 21 mm for FIAT/ IVECO
- 1 reamer 17 mm
- 1 locating pin with 19 mm outer hexagon
- reamers milled from high grade HSS steel

Item #
62604

PRO+ CRO MO

Common Rail Diagnosis Kit

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



PRO+

Item #	Description
8101	Common Rail Diagnosis Kit
8101-1	6 Glass Tubes with Adaptor for BGS 8101

Adaptor Set for Common Rail Diagnosis Kit BGS 8101

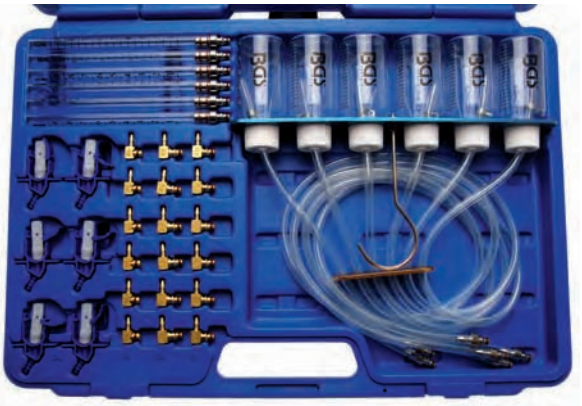
- to be used on injector nozzles together with common rail diagnosis kit BGS 8101
- addaptors fit all systems such as Siemens, Bosch, Denso etc.
- for Common Rail Diesel engines

Item #
8103

PRO+

Common Rail Diagnosis Kit with 24 Adaptors

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



Item #
8102

PRO+

Common Rail Diagnosis Kit, up to 8 Cylinder

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

Item #
8104

PRO+

Tester for Diesel Injector Sockets

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

PRO+

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

Injector Nozzle Tester

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

Item #
62655

PRO+

2-piece Assembly Tool Set, 220 mm

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

Item #
8015

PRO+ CV

5-piece O-Ring-Hook-Set

- incl. magnetic pick up tool

Item #
8035

PRO

4-piece Hook Set

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

Item #
8451

PRO+

Seal Removing Hook Set

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

Item #
8405

PRO+

Assembly Tool

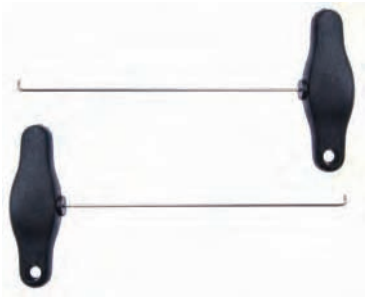
- alloyed and hardened steel,
- for brake spring assembly, headlight springs

Item #
8018

PRO+

2-piece Hook Set for Disassembly of Mercedes Dashboards

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



Item #
69510

PRO+

3-piece Hook Set, extra long

- pulling hook, picking hook, grabbing hook
- each hook is 585 mm long

Item #
9130

PRO+

18-piece Needle / Hook Set

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

- in plastic wallet

Item #
8011

PRO+

2-piece Radio Removal Tool Set

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

Item #
8247

PRO+

32-piece Radio Removal Tool Set

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

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

Item #
8014

PRO+

52-piece Car Radio Removal Tool Set

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

Item #
8013

PRO+

Lead Perlon Cable 15 m x 3 mm

- for installing antenna cables etc.

Item #
1990

PRO+

Trim Strip Wedge 100x45 mm, with hang Hole

- plastic
- for damage-free removal of trim strips

Item #
3029

PRO+

Trim Strip Wedge 185x25 mm

- plastic
- for damage-free removal of trim strips

Item #
3032

PRO+

5-piece Assembly Wedge Assortment

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

Item #
63250

PRO+

5-piece Trim Strip Set, various Shapes

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

Item #
3027

PRO+

11-piece Car Interior Lining Set

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

in plastic wallet

Item #
1327

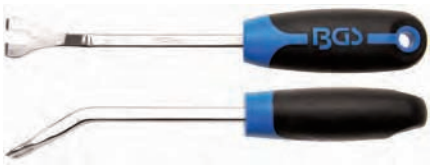
PRO+

Door Trim Removing Tool, 260 mm

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

Item #
3092

PRO+



Door Trim Removing Tool, 240 mm

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

Item #
3193

PRO+

Door Upholstery Remover, 235 mm

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

Item #
3104

PRO+

Interior Linking Hook

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

Item #
8285

PRO+

Interior Lining and Clip Removal Tool Set

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

Item #
1326

PRO

Window Lift / Door Handle Clip Removing Tool, 270 mm

- hardened
- prevents damaging the door trim

Item #
3543

PRO

Door Weather Strip Molding Remover

- for loosening the car window rubber
- length: 170 mm

Item #
1329

PRO+

5-piece Special Clip Remover Set

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

Item #
1328

PRO+

Door Handle Clip Pliers

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

Item #
3542

PRO+

Door Trim Pliers

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

Item #
3192

PRO+

Doorclip / Rivet Pliers, 230 mm

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

Item #
3545

PRO+

Door Pin Removing Tool, 370 mm long

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

Item #
1800

PRO

Door Pin, 5x115 mm

for item 1800

Item #
1801

PRO

8-piece Door Hinge Tool Set

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

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

Item #
3539

PRO+

Seal Puller, 320 mm

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

Item #
122

PRO+

Double Hook with Joint for Removal of Shaft Gaskets

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

Item #
118

PRO+

Seal Ring Double Hook Set

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

Item #
68344

PRO+

High End Emergency Car Opening Set

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

Packed in a wallet

Item #
3546

PRO+

Locking Clamp for Hood and Trunk Openers

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

Item #
2790

PRO+

Telescopic Stand for Engine or Trunk Lid

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

Item #
8246

PRO+

12-piece Airbag Tool Kit

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

PRO+

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

7-piece Pipe Connector Loosening Clip Set

- for pipes Ø ¼", 5/16", 3/8", ½", 5/8", ¾", 7/8"
- quick connecting sleeves in air conditioning systems and fuel lines

On PVC display board

Item #
8009

PRO+

22-piece Pipe Connector Removing Kit

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

Item #
8036

PRO+

Fuel Line Disconnecting Tool BMW

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

Item #
66150

PRO+

19-piece Terminal Tool Set, multi-brand

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

In plastic case with foam

PRO+

Item #	Description
60100	19-piece Terminal Tool Set, multi-brand
60100-1	3-piece Replacement Sleeve for BGS 60100
60100-CE56	Cable Connector Loosening Tool CE56 from BGS 60100
60100-CE91	Cable Connector Loosening Tool CE91 for BGS 60100

11-piece Terminal Tool Set, for VAG+Porsche

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

Item #
60120

PRO+

14-piece Terminal Tool Set, for MAN+Volvo

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

Item #
60150

PRO+

23-piece Terminal Tool Kit

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

Item #
60160

PRO+

Letter Punch Sets

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

packed in plastic case

PRO+

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

Figure Punch Sets

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

packed in plastic case

PRO+

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

Spring Compressor Set with 3 Pairs of Jaws

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

PRO+

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

Universal Coil Spring Compressor

- suitable for small to medium sized vehicles
- two sliding hooks on carrier rail prevent slipping
- 22 mm spindle drive
- load capacity: 15.000 N (1.500 kg)
- not suitable for impact wrenches
- VPA/GS approved

Item #
994

PRO+

Spring Compressors for MC Pherson Strut

- professional spring compressor for daily use in workshops
- includes 2 spring plate pairs, universally applicable for almost all MC Pherson struts
- maximum load: 1.650 kg (16.150 Nm)
- tension: 220 mm
- spindle: M 15 x 300 mm

Item #
999

PRO+

Coil Spring Compressor

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

Item #
1131

PRO

Spring Strut Spanner Set for Mercedes Benz

- max. compressive force up to 2500 kg
- suitable for Mercedes Benz models: 123-124-126-201-140-202-210
- incl. 2 spring retainer sets for front and rear axle (main unit has to be attached in the middle)

PRO+

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

Coil Spring Compressor, 2500 kg

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

Item #
985

PRO+

31-piece Wheel Bearing Tool Set

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

Item #
67301

PRO+

Pull and Press Sleeve Kit with 4 Spindles

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

PRO+

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

16-piece Bushing Driver Set

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

Item #
1524

PRO+

10-piece Bearing & Seal Driver Set

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

Item #
1522

PRO

52-piece Mounting Pad Set for Bearings

- suitable for mounting of bearings, sealing rings and rubbers
- particularly useful when using with hydraulic presses
- this kit includes mounting pads in following sizes:
18 to 65 mm (1 mm steps) and 74 mm
- 180 mm x Ø12 mm metal handle for use with hammer
- made from carbon steel

Item #
8467

PRO+

Rear Axle Guide Bushing Tool, BMW 5 & 7 SERIES

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

Item #
8481

PRO+

Rear Trailing Arm Bush Tool for BMW E36 & E46

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

Item #
8480

PRO+

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

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

Item #
6456

PRO+

Mounting Tool for Fiat Rear Axle Silentblocks

- used for mounting silentblocks on Fiat rear axles
- suitable for:
  - Fiat Stilo '01 - '07
  - Fiat Bravo from '07
  - Lancia Delta '08

Item #
8464

PRO+

4-piece Rear Wheel Bearing Remover & Installer Set

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

Item #
64100

PRO+

Extractor and Press Tool for Front Axle Bushing on VW Polo 2002

- suitable for all VW Polo model 2002
- facilitates the removal of the rubber bushings on front axles
- M12 x 260 mm spindle drive with 19 mm 6-pt
- spindle nut has a 24 mm 6-pt drive
- brass washer to reduce friction

Item #
8287

PRO+

Rear Axle Bush Mounting Tool for VW Golf and Audi A3

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

Item #
8437

PRO+

Wheel Bearing Tools for VW Wheel Hub Bearing Unit

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

PRO+

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

Bushing Tool Kit for VW Polo 9N

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

PRO+

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

Pressing Frame

- to be used especially with BGS 1514 pulling and pressing sleeve set
- with M18 spindle for impact use
- can be used with hydraulic ram BGS 7721-X

Item #
3051

PRO+

Mini Suction Lifter, Ø 55 mm, ABS

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

Item #
7987

PRO+

Suction Lifter Ø 115 mm, ABS

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

Item #
7998

PRO+

Suction Lifter, Ø 115 mm, Metal

- with quick release lever
- maximum capacity 40 kg

Item #
7995

PRO+

Suction Lifter, Ø 200 mm, extra strong

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

Item #
7983

PRO+

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

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

Item #
7991

PRO+

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

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

Item #
8000

PRO+

3-piece Suction Lifter Set

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

Item #
7997

PRO+

Caulking Gun, 300 mm long

- with toothed bar
- heavy duty
- zinc coated
- incl. sleeve cutter
- for standard cartridges (220 mm)

Item #
3509

PRO

Skeleton Type Heavy Duty Caulking Gun

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

Item #
3510

PRO+

Caulking Guns with Aluminium Cylinder

- expert quality

PRO+

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

Spare Nozzle for Standard Cartridges

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

Item #
3512

Miniature Pistol Type Grease Gun, 125 ccm

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

Item #
3141

PRO+

Lever Grease Gun

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

Item #
3140

PRO+

Grease Gun

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

PRO+

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

Lever Type Grease Gun

- can be filled with 400g grease cartridges (DIN 1284), bulk grease and filling device

Item #
3144

PRO+

Air Grease Gun, 400 ccm

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

PRO+

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

Flexible Delivery Tube, 300 mm

- for item nr. 3065, 3140, 3141, 3236

Item #
3066

PRO

Delivery Tip for Grease Gun

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

Item #
3143

PRO+

Grease Gun Adaptor, 90° angled, 1/4"

- suitable for tight spaces

Item #
3283

PRO+

7-piece Grease Gun Accessory Kit

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

Item #
3142

PRO+

Air Pressure Grease Gun Kit

- contains various couplings and adaptors parts for different applications, also for utility vehicles
- also for manual operation without pressurized air

Item #
8368

PRO+

Foam Gun

- for PU foam
- adjustable foam flow

Item #
3267

PRO+

Precision Oiler

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

Item #
9985

PRO+

Rubber Hand Grinder

- with holding teeth
- 2 pcs. shells for a perfect fit of the abrasive

Item #
1633

PRO+

Hand Grinder, 105x210 mm

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

Item #
1638

PRO

Door Adjusting Tool

- for cars and small trucks
- 660 mm length

Item #
3538

PRO+

Door Adjusting Lever

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

Item #
3548

PRO+

Dent Removal Set

- for inexpensive dent repairing
- hot melt glue gun with 2 glue sticks
- 1 plastic scraper for removing glue
- 1 soft panel beating pen

Item #
8057

PRO CE

Pneumatic Dent Hammer 1.4 kg

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

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

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

PRO+

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

Professional Dent Repair Kit

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

PRO+ CE

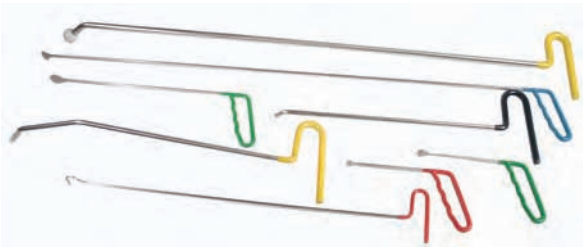
Item #	Description
865	Professional Dent Repair Kit
867	10 pcs. Special Glue Stick for BGS 865, 8057
866	Replacement Dent Pads for BGS 865

8-piece Dent Removal Tool

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

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

Delivered in a handy carrying case



PRO+

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

30-piece Dent Repair Kit

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

Item #
1639

PRO+

26-piece Denting Iron Set

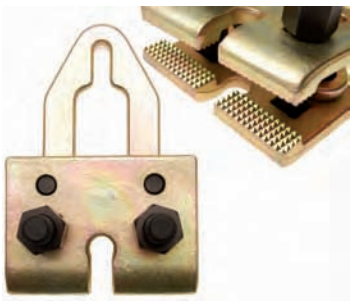
- suitable for professional "denting doctors"
- includes irons with round, flat, point and ball heads
- made of 5 to 14 mm round stainless steel
- 45° up to 135° bent heads
- length: 250 mm to 1150 mm
- dip coated handles
- in aluminum transport case with Velcro® strip holders for denting iron

Item #
1642

PRO+

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

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



Item #
2901

PRO+

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

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

Item #
2902

PRO+

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

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

Item #
2903

PRO+

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

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

Item #
2905

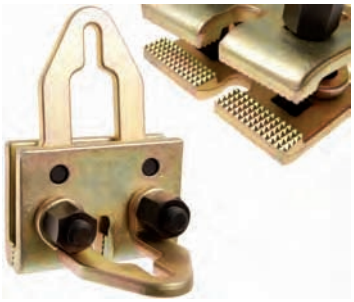
PRO+

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

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

Item #
2900

PRO+



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

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

Item #
2904

PRO+

Air Inflating Pillow

- for spreading e.g. door frames for emergency opening or repairs
- hand pump and valve included

Item #
3544

PRO+

5-piece Air Inflating Pillow Set

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

Item #
3547

PRO+

Plastic Repair Set

- to repair cracks in plastic parts above 1 mm thickness
- suitable for plastic with max. 40% glass fiber content
- for repairing plastic bumpers, panels, brackets, etc.
- includes repairing clamp in V-shape 0.6 mm,
  U-shape 0.6 mm and U-shape 0.8 mm
- this tools heats up the clamps to a temperature between
  100 and 200° C so that they can connect the breaking
  points and bring back stability
- can also be used for enforcing strongly used areas

PRO+ CE

Item #	Description
869	Plastic Repair Set
869-1	100 Repair Clamps (U-shaped) for Plastic Repair Equipment BGS 869
869-2	100 Repair Clamps (square) for Plastic Repair Equipment BGS 869
869-3	100 Repair Clamps (V-shaped) for Plastic Repair Equipment BGS 869

Body and Fender Repair Kit, hydraulic, 4 TO

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

Packed in metal case (as displayed)

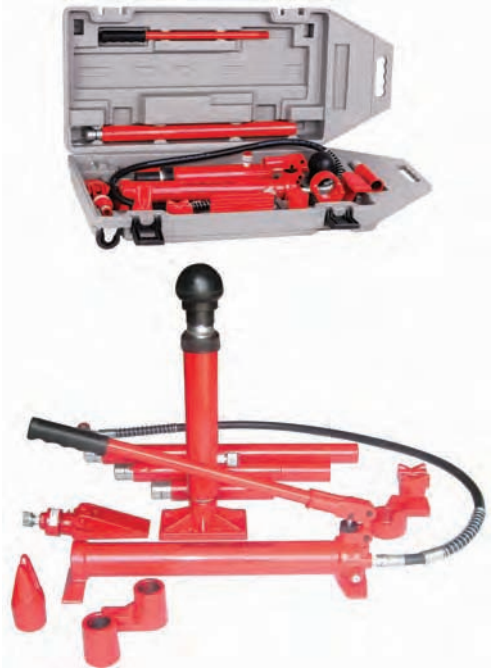
PRO+

Item #	Description
1688	Body and Fender Repair Kit, hydraulic, 4 TO
1688-1	Hydraulic Pump 4 to. for BGS 1688

Body and Fender Repair Kit, hydraulic, 10 TO

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

Packed in carrying case with wheels



PRO+

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

Ball Pein Hammers

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

PRO+

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

Car Body Repair Hammer, 225 g, Ø 38 mm

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

Item #
1675

PRO+ CRO MO

Bumping Hammer, 225 g, Serration Pattern

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

Item #
1676

PRO+

7-piece Body Repair Set

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

In carrying case

Item #
1672

PRO+

10-piece Expert Body Repair Set

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

Item #
1679

PRO+

15-piece Chisel and Punch Set

- ergonomically shaped non-slip rubber coated handle
- quick change handle manufactured from **chrome molybdenum steel**

contents:
- 1 chisel holder
- 7 flat cold chisels
- 1 cross cut chisel
- 1 taper pin punch
- 3 centre punches
- 2 parallel pin punches

Item #
1641

PRO+

4-piece Body Chisel Set

- 1 wide body chisel 60 mm wide x 250 mm long, with heavy hand protection
- 1 narrow body chisel 26 mm wide x 230 mm long, with heavy hand protection
- 1 narrow body chisel 26 mm wide x 230 mm long, without hand protection
- 1 special body chisel 20 mm wide x 295 mm long, extra thin tip, extra light insulation consumes less space

Item #
1645

PRO+

Panel Chisel, 235 mm

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

Item #
1640

PRO+ CRO MO

Panel Beating Iron 3 in 1

- ideal for dent removal

Item #
1685

PRO+

Body File Frame

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

Item #
3216

PRO+

Body Files for Item# 3216

- different shapes (see below)

PRO+

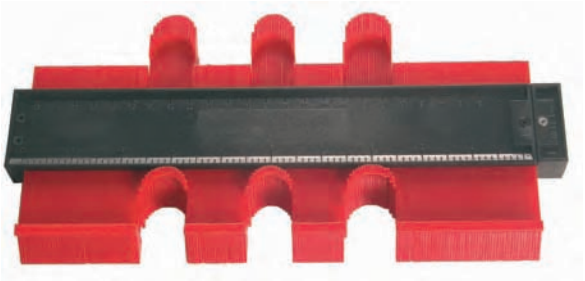
Item #	Description
3217	Body File, 350x35x4 mm, halfround shaped, rough
3217-1	Body File, 350x35x4 mm, radial shaped, fine
3217-2	Body File, 350x35x4 mm, angular shaped, rough
3217-3	Body File, 350x35x4 mm, angular shaped, fine

Contour Gauge, Length 260 mm

- ideal for trimming tiles, carpet, linoleum, etc.
- useful for operations on car bodies, for carpenters and for modelling
- with magnetic holder

Item #
8025

PRO+



Contour Gauge, Pin Type, Length 125 mm

- metal made

Item #
8149

PRO

2 pcs. Polisher Kit, Ø 65 mm + Ø 105 mm

- especially for cars and trucks for cleaning and rust removal
- 1/2" adaptor for air impact wrenches

Item #
3965

PRO+

Magnets, 4 pieces

- perfect for adjusting car body parts and accessories for final assembly
- rubber coated magnets
- magnetic force: 500g per magnet

Item #
7994

PRO+

Combination Edge Setter and Folding Pliers, straight

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

Item #
6160

PRO+

Combination Edge Setter and Folding Pliers, 45° OffSet

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

Item #
6161

PRO+

Combination Edge Setter and Folding Pliers, 90° OffSet

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

Item #
6162

PRO+

Fork Type Separators

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

PRO+

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

Adjustable Fork Type Splitter, 18-42 mm

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

Item #
65550

PRO+ CV

Fork Sledgehammer with 3 Splitting Prongs

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

Item #
1720

PRO+

5-piece Fork Type Separator Set

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

Item #
1806

PRO+

5-piece Fork Type Separator Set

- forged jaws

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

Item #
63800

PRO+

Ball Joint Puller, 18 mm Jaw Opening

- forged
- zinc coated

Item #
1803

PRO

Universal Ball Joint Puller

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

Item #
1804

PRO+

Ball Joint Separator, Capacity up to 50 mm

- forged
- all parts hardened
- 19 mm jaw opening

Item #
1807

PRO

Ball Joint Separator, 20-22 mm

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

Item #
1795

PRO+

Universal Ball Joint Extractor, 50 - 80 mm

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

Item #
8410

PRO+

Universal Ball Joint Extractor, 30 mm

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

Item #
8411

PRO+ CV

Ball Joint Separator, opening adjustable 20 - 30 mm

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

Item #
8541

PRO+

Ball Joint Puller, extra large

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

Item #
1802

PRO+

Ball Joint Seperator, 8T hydraulic

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

Item #
8528

PRO+

Ball Joint Separator

- forged carbon steel

PRO+

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

Ball Joint Shifters

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

PRO+

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

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

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

Item #
1813

PRO+

Pick-up Truck & Bus Ball Joint Extractors

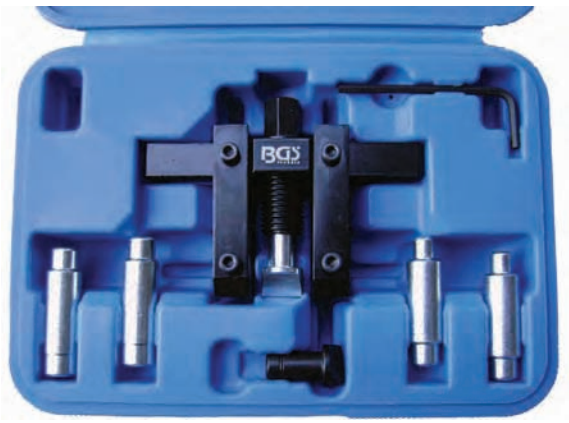
- suitable for cars, light trucks and SUV
- solid execution for long product life time
- hardened pressure spindle and centering tip

PRO+

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

7-piece Universal Steering Knuckle Set

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



Item #
65592

PRO+

VW T4 Supporting Joint Tool Set

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

Item #
8231

PRO+

Ball Joint Assembly and Disassembly Tool

- facilitates assembly and disassembly
- suitable for Mercedes 220 / 211 / 230 series
- heavy duty type
- 185 mm compression spindle with 24 mm hex drive
- 2 compression heads 40 mm and 54 mm
- 3 pressure pads 22 mm, 33 mm and 57 mm

Item #
8293

PRO+

Ball Joint Tool Kit / Installer for BMW

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

Item #
1525

PRO+

Suspension Ball Joint Tool for BMW 3-series

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

Item #
8482

PRO+

Flywheel Holding Lever

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

Item #
8348

PRO+

Clutch Aligning Punch

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

Item #
1710

PRO+

17-piece Clutch Aligning Set

- 8 conical centering bushes for clutch discs with hole sizes 14.5 to 25.5 mm
- 8 adapters for centering the crankshaft in sizes 10,8-12,2-13,5-14,7-15,8-17,1-18,3 and 19.9 mm
- 145 mm centering shaft

Item #
1712

PRO+

2-piece Clutch Aligning Set

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

Item #
1709

PRO+

Clutch Aligner Tool

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

Item #
1708

PRO+

Release Shaft Puller for Fiat Ducato

- suitable for Fiat Ducato (from 1994) with pulling clutch
- for removal of the clutch release shaft
- needed when removing gearboxes, replacing clutches or gearbox repair

Item #
8520

PRO+

Duplex Clutch Repair Kit for VAG DSG Transmission

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

Item #
8320

PRO+

Reset Tool for BMW SAC Clutch

- is needed for professional assembly and disassembly of SAC clutches
- suits for engine series E34, E36, E38, E39, E46, E52, E53, E60, E61, E81, E83, E85, E86, E87, E88, E90 and E91
- reset of the adjusting ring can be done using BGS 8284
- easy to handle, saves time and trouble
- knurled locking bolts and adjusting lever prevent slipping off

Item #
8283

PRO+

Special Tool for BMW SAC Clutch

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

Item #
8284

PRO+

SAC Clutch Tool Set

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

Item #
8286

PRO+

36+1-LED Working Lamp with Carry Strap

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

Item #
8455

PRO+

LED Pen with 6 LEDs

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

Item #
8491

PRO

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

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

Item #
9303

PRO

60 LED Lithium-Ion Work Lamp

- LED-LUM 12.000 MCD
- battery 7,4 V Lithium-Ion
- 3 hours drain time
- LED charge indicator
- 230 V charging unit

Item #
85400

PRO+ CE

Rechargeable 60 LED Light

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

Item #
85300

PRO CE

Hand Lamp, 11W, 220V

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

Item #
9704

Energy Saving Work Light, 38 Watt

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

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

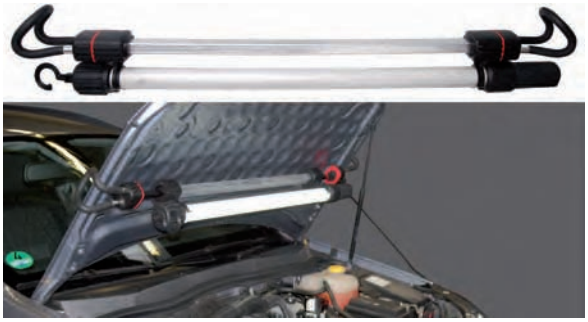
4-Foot Stand for Art. 85320

- extendable from 162 - 265 cm

Item #	Description
85330	4-Foot Stand for Art. 85320
85330-1	Bracket for Tripod BGS 85330

Under Bonnet Working Lamp

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



Item #
85305

PRO+ CE

LED Under Bonnet Working Lamp with Rechargeable Battery

- 120 LED, LED LUM 12.000 MCD
- with **telescopic bar**, extends 127 to 203 cm
- 360° swivel hook
- Battery 7,2 V (6x AAA 900mAh NI-MH)
- works for 3 hours when fully loaded
- LED charge status indicator
- for 230 V, with 12 V adaptor

Item #
85410

PRO+ CE

Clamping Wrench for Adjusting Track Rods, 14 - 20 mm

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

Item #
8267

PRO+

Clamping Wrench for Adjusting Track Rods, 40 - 55 mm

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

Item #
8346

PRO+

Track Rod Setting Set

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

Item #
8305

PRO+

4-piece VW / Audi Subframe Locating Pin Set

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

Item #
8306

PRO+ CRO MO

BMW Front Chamber Adjusting Kit

- allows the adjustment of chambers on the following BMW Models:
  E38, E39, E46, E53, E60, E61, E63, E64, E65, E66, E67, E81, E83, E85, E86, E87, E90, E91, E92 and E93
- tool remains on the spring strut until all screws are tightend, therefore no recalibration required
- made of high quality aluminum

- also available separately under the following item no.:
  - **66151-1**: suitable for BMW models E60 - E61 - E63 - E64
  - **66151-2**: suitable for BMW models E65 - E66 - E67 - E81 E83 - E85 - E87 - E90 - E91-E92 - E93
  - **66151-3**: suitable for BMW models E38 - E39 - E46 - E53 E65 - E66 - E67 - E81 - E83 - E85 - E86 - E87 - E90 E91 - E92 - E93

PRO+

Item #	Description
66151	BMW Front Chamber Adjusting Kit
66151-1	Front Chamber Adjusting Tool from BGS 66151
66151-3	Front Chamber Adjusting Tool from BGS 66151
66151-2	Front Chamber Adjusting Tool from BGS 66151

Magnetic Camber Gauge

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

in plastic case

PRO+

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

Magnetic Camber Gauge, Double Adjustability

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

In plastic case

Item #
1519

PRO+

Steering Wheel Sleeve Puller for VW

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

Item #
7727

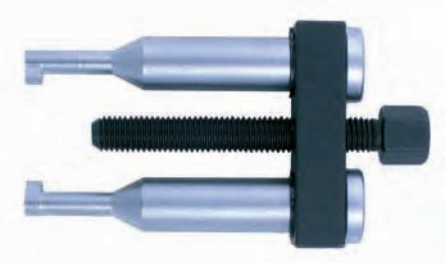
PRO+

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

- chrome vanadium steel
- for GM (Opel)

Item #
7739

PRO+



Axial Joint Tools

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

PRO+ CRO MO

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

4-piece Tool Set for Axial Joints

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

Item #
66530

PRO+ CRO MO

Steering Wheel Level

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

Item #
9977

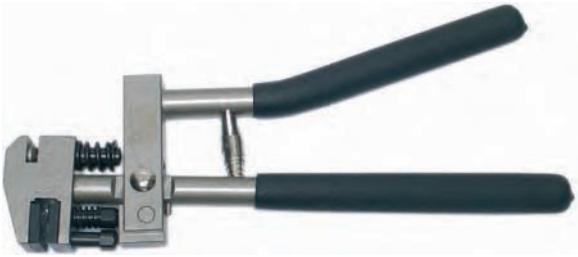
PRO+

Combination Edge Setter / Hole Punch Pliers

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

PRO+

Item #	Description
6120	Combination Edge Setter / Hole Punch Pliers
6121	Repair Part for Punch Pliers 6120, 5 mm
6122	Spare Punch Head for Item Nr. 6120, 6 mm



Edge Setter Pliers for Metal Sheets up to 1 mm

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

Item #
6140

PRO+

Ticket Punch for Punching Folded Workpieces

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

Item #
6141

PRO+

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

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

Item #
3091

PRO

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

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

Item #
3183

PRO

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

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

Item #
3088

PRO

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

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

Item #
3188

PRO

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

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

Item #
3089

PRO+

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

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

Item #
3187

PRO

LED Lighted Pick Up Tool and Mirror Set

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

Item #
3095

PRO+

Inspection Mirror with Light

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

Item #
3189

PRO+

Inspection Mirror, ø 55 mm Mirror

- **flexible shaft**
- length 475 mm

Item #
3081

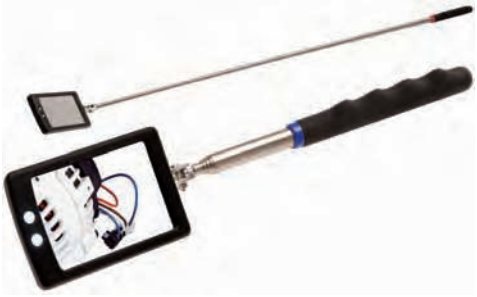
PRO

LED Telecope Inspection Mirror, 285 - 870 mm

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

Item #
9302

PRO+



Telescopic Inspection Mirror, Ø 200 mm

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

Item #
3176

PRO+

Magnetic Lifter / Flexible Claw Tool

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

Item #
3094

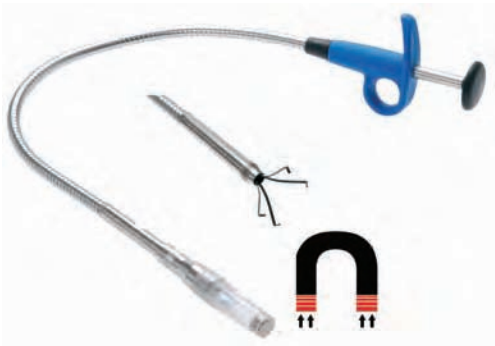
PRO+

Pick-up Tool - Magnetic Lifter - Light Tool

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

Item #
3197

PRO



Flexible Pick Up Tool, Length 595 mm

- all steel made construction

Item #
3102

PRO+

Powerful Magnetic Holders

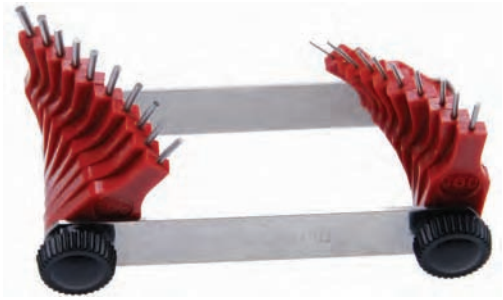
- 8 separate magnetic areas

PRO

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

20-piece Nozzle Gauge, 0.45 - 1.50 mm

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



Item #
3041

PRO+

TDC Finder

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

Item #
8304

PRO+

2-piece Poly-V-Belt Tool Set

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

Item #
8220

PRO+

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

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

Item #
8454

PRO+

Mounting Tool Set for flexible Multi Ribbed Belts

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

Item #
8301

PRO+

Locking Pin Set for Automatic Belt Tensioner

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

Item #
8438

PRO+

Belt Gauge

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

Item #
1705

PRO+

Digital Toothbelt Gauge

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

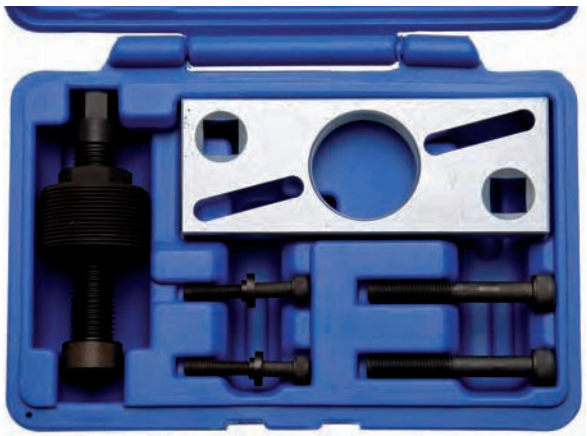
- Important: measuring the timing belt tension with this instrument can only be done when engine is off

Item #
2177

PRO+

Pulley Extractor, universal

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

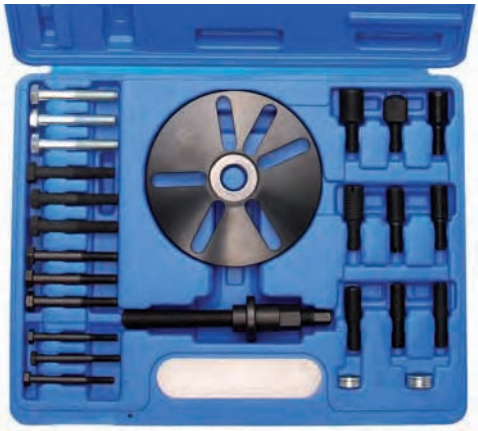


Item #
8551

PRO+

Balancer and Crankshaft Flange Tool Set

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



Item #
7711

PRO+

Cylinderhead Repair System Tray

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

Item #
8552

PRO+

Piston Ring Pliers

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

Item #
66103

PRO+

7-piece Piston Ring Compressor Set

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

Item #
1874

PRO+

Piston Ring Pliers

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

PRO+

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

Piston Ring Compressors

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

PRO+

Item #	Description
1887	Piston Ring Compressor, 40 - 80 mm
1888	Piston Ring Compressor, 53 - 125 mm
1889	Piston Ring Compressor, 53 - 175 mm

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

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

Item #
1706

PRO+

Radial Seal Dismantling and Assembly Set

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

PRO+

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

10-piece Diesel Fuel Pump Timing Set

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

Item #
8157

PRO+

Engine Timing Tool Set for Rover, Peugeot, Ford, Volvo 2.0 & 2.2L D

- allows inspection and adjustment of engine
  timing on following models and engines:
- Peugeot: 807 (05-11), 407 (05-11), 607 (05-09)
  engine: DW10UTED4 (RHK), DW10BTED4 (RHR)
  DW12BTED4 (4HS), (4HP), (4HT), (4HR)
- Citroën: C4 (04-10), C5 II (04-10)
  engine: DW10BTED4 (RHR)
- Land Rover: Freelander (06-10)
  engine: DW12BTED4, 224DT
  Volvo: S40 (03-10), V50 (06-10), C70 (06-10),
  S80 (07-10), C30 906-10), V70 (07-10)
  engine: D420T 2.0D
- Ford: S Max 2.2 (08-10), Galaxy 2.2 (08-10),
  Mondeo 2.2, 2.0 (07-10)
  engine: QXBA(2.2), QXWA(2.0), QXBB(2.0),
  Q4BA(2.2), QXWA(2.0), QXWB(2.0), AZBA(2.0),
  AZBC(2.0), AZWA(2.0)
- includes following tools:
  - Camshaft Locking, to be used as OEM
    PSA 0188.M, Ford 303-1277, Volvo 999-7122
  - Flywheel Locking, to be used as OEM
    PSA 0188.X, Ford 303-1270/1059, Volvo 999-7121
  - Crankshaft Locking, to be used as OEM
    PSA 0188.F, Ford 303-1272, Volvo 999-7119/7120

Item #
8529

PRO+

Engine Timing Tool Set for Hyundai & Mitsubishi

- includes important tools for checking engine timing
  and changing timing tooth belt
- suitable for Hyundai 1.6 / 1.8 / 2.0 / 2.4 Twin Cams
  and Mitsubishi 1.8 to 3.5 16V and V6
- Mitsubishi: Colt 89-95, Lancer 89-95, Carisma 96-05,
  Galant 93-03, Sigma 91-96, Eclipse-91-95,
  300DTG 93-00, Space Star 99-06
  engines types:
  1,8 16V GDI (4G63, 4G94); 2,0 16V GDI (4G63, 4G94, 6A12)
  2,4 GDI (4G64, 4G69); 3,5 GDI V6 (6G74)
  2,5 V6 (6G73, 6a13); 3,0 V6 (6G72)
- Hyundai: Lantra 91-96, 93-01 Sonate,
  Trajet 00-05, Santa-Fe 6.1
- engines types: G4-N, G4-CP, 4JP, G4-P-, G4-R-, G4-JS

Item #
8530

PRO+

Engine Timing Tool Set for Nissan, Renault, Opel

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

Item #
8421

PRO+

Water Pump Gear Holding Tool, Opel Ecotec Engines

- holds the timing chain and gear in place while removing and installing the water pump on GM Ecotec engines
- holding the sprocket prevents loss of timing or damage to the engine
- special half-moon design allows easier access to water pump gear bolts
- uses access cover bolts to hold the tool in place

Item #
8420

PRO+

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

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

Item #
8278

PRO+

Timing Tool Set for Opel / Vauxhall, Chevrolet 2.0 CDI

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

Item #
66202

PRO+

Locking Tool Kit for Opel/Vauxhall Ecotec V6 Engines

- clamping kit for Opel/Vauxhall Ecotec V6 engines with multiple valve technique
- includes all necesseray tools for clamping / locking crankshaft and camshaft

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

Item #
1779

PRO+

Opel Engine Timing Tool Kit

contains important tools for:
- locking the camshaft and crankshaft
- assembly and removal of fuel injection pump and water pump
- tensioning and changing of the timing belt
- belt pulley and flywheel

- complete classification chart included

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

Engines may be identical in construction to Renault and Saab

PRO+

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

Timing Tool Set for Opel Vectra, Signum, Zafira

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

Item #
62506

PRO+

Timing Tool Kit for Opel 3-Cylinder Engines

- for engine codes: X10XE and X12XE
- includes important tools for e.g.:
  - changing the timing chain and other jobs on the valve train
  - working on the intake and exhaust camshafts
  - fixing the crankshaft
- suitable for following car models:
  Agila, Corsa 1.0 12V and 1.2 16V

Item #
8303

PRO+

Face Plate Removing Tool, Audi A4

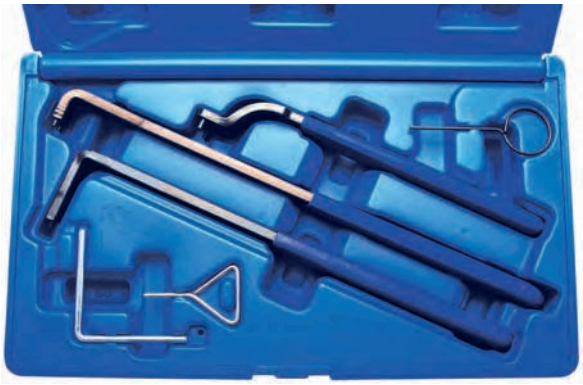
- e.g. for Audi A4, Passat (from 1997)
- for changing the toothed belt or replacing the water pump without adjusting the hood lock and the gaps

Item #
8023

PRO+

Tooth Belt Tool Set for VAG

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

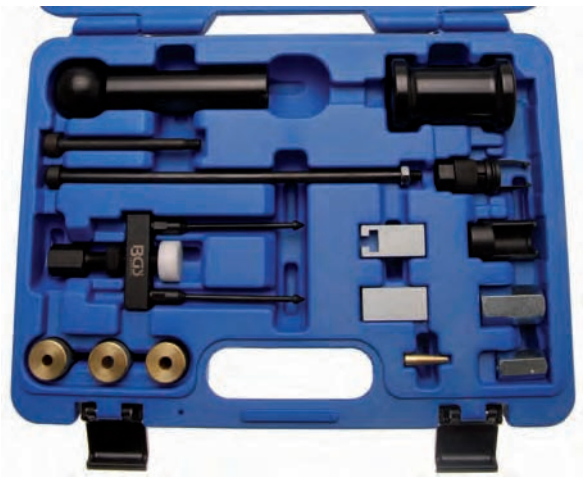


Item #
8241

PRO+

FSI Injector Assembly and Disassembly Kit

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



Item #
68345

PRO+

Engine Timing Tool for VW 1.2 L Engines

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

Item #
8155-2

PRO+

Engine Timing Tools for VW 1.2 L Engines

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

Item #
8155-1

PRO+

Crankshaft Locking Tool for VAG

- fits on 1.9l VW, AUDI, SEAT, SKODA engines
  with round crankshaft timing belt wheel
- to be used as OEM T10050

Item #
62643

PRO+

Crankshaft Timing Belt Pulley Locking Tool

- for VAG 2.0L TDI and some 1,9LTDI engines
  with oval crankshaft wheel
  to be used as VAG OEM T10100

Item #
62642

PRO+

3-piece Crankshaft Timing Belt Pulley Locking Tool Set

- for VAG 1,9 and 2.0l TDI engines
  with round crankshaft wheel
- includes:
  - crankshaft locking Tool
    to be used as OEM T10100
  - locking bolt for pump
    to be used as OEM 3359
  - locking plate for idler
    to be used as OEM T10008

Item #
62641

PRO+

3-piece Crankshaft Timing Belt Pulley Locking Tool Set

- for VAG 2.0 liter TDI and some 1,9L TDI
  with oval crankshaft wheel
  use as OEM T10100
- includes:
  - crankshaft locking Tool
    to be used as OEM T10100
  - locking bolt for pump
    to be used as OEM 3359
  - locking plate for idler
    to be used as OEM T10008

Item #
62640

PRO+

Camshafts Sockets, VAG 1.8 / 2.8 TFSI

- used for removal and installation of 4/3-way central valve on the camshaft adjustment
- suitable for VW Passat, Audi A3, A4, A5, Q5 1.8l and 2.0 liter engines with chain drive
- to be used as OEM T10352 / T10352/1

Item #
8565

PRO+

Special Crankshaft Rotation Tool for VAG 5 Cylinder Engines

- necessary for crankshaft adjustment and use as a lever
- suitable for all 5 cylinder VW Diesel engines e.g. in VW Touareg as of 2003 and Transporter as of 2004
- fixing screw allows easy mounting on crankshaft
- use like OEM VAG T10225

Item #
8249

PRO+

Crankshaft Rotation Tool VAG

- facilitates turning the crankshaft for e.g. checking the engine timing
- suitable for Audi A6 2005>, Audi A8 2003> with 6- and 8-cyl. engines 2.4 L, 3.2 L FSI, 6 - and 8-cyl. TDI Common Rail
- to be used as OEM T40058

Item #
8555

PRO+

Setting Gauges for Pump-Nozzle Unit on 3- and 4-cylinder engines

- for adjusting the pump-nozzle units
- suitable for 3- and 4-cylinder engines and for pump-nozzle units with old and new solenoid valve nut

Item #
68341

PRO+

5-piece Engine Timing Tool Kit for VW Diesel Engines

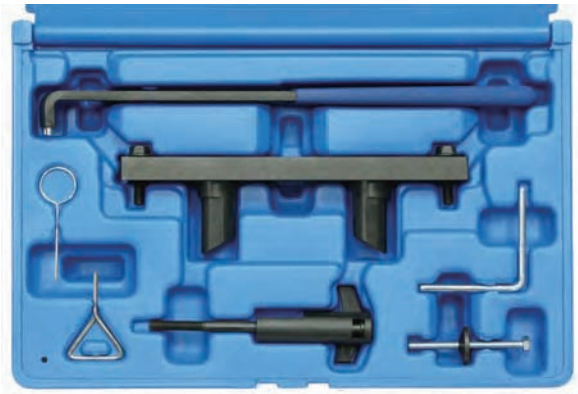
- for engine codes AAB, AJA, BJJ, BJK, BJL, BJM
- for VW Transporter 2.4D (95-03),
  Crafter 2.5TDI (06-09) and LT Models
- to be used as OEM T10025 - 2065A - 2064

Item #
8216

PRO+

7-piece Engine Timing Tool Kit for VAG

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



Item #
8219

PRO+

3-piece Engine Timing Tool Kit for VAG

- suitable for VAG FSI and TFSI 1.4L and 1.6L engines
- contains following tools:
  - camshaft locking tool,
    to be used as OEM T10171
  - setting gauge holder,
    to be used as T10170
- fits for engine codes AXU, BAG, BKG, BLF, BLN, BLP
- to check and adjust camshaft timing
- required when replacing timing chains

Item #
62625

PRO+

VW / Audi Engine Timing Tool Kit

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

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

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

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

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

Item #
8261

PRO+

Engine Timing Tool Set for VW Polo, Lupo

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

Item #
8158

PRO+

Waterpump Disassembly Tool

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

Item #
8221

PRO+

Timing Tool Set for VAG 1.6 & 2.0L TDI

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

Item #
66200

PRO+

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

- suitable for VW T5 as of 2004, Touareg and Phaeton
  as of 2003 with 5 and 10 cylinder engines
- camshaft locking tool for review and adjustment,
  suitable for 5 and 10 cylinder engines,
  to be used as OEM T10193
- camshaft locking tool for review and adjustment of
  10 cylinder engines, to be used as OEM T10194
- clamping device for removal and replacement of the
  camshaft wheels of 5 and 10 cylinder engines,
  to be used as OEM T10199
- special socket for rotating the crankshaft of
  5 cylinder engines, to be used as OEM T10225
- crankshaft locking wrench for 5 cylinder engines,
  to be used as OEM T10226
- tensioner wrench

Item #
8443

PRO+

Engine Timing Tool Set for VAG 2.7 & 3.0 TDI

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

Item #
66205

PRO+

Engine Timing Tool Set for AUDI V6 30V

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

Item #
8299

PRO+

Engine Timing Tool Set for VAG 2.4 & 3.2 FSI

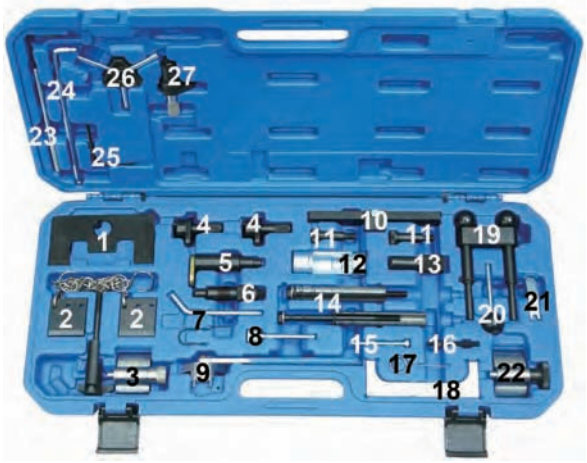
- for checking and adjusting the engine timing
- suitable for Audi V6, V8 and V10 engines with chain
- includes:
  - camshaft locking tool to be used as OEM T40070
  - crankshaft locking pin to be used as OEM T40069
  - chain tensioner locking pin to be used as OEM T40071

Item #
66210

PRO+

VAG Engine Timing Tool Kit

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



PRO+

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

Timing Tool Set for 2.5 & 2.8L PSA Diesel Engines

- includes 2 setting pins, flywheel locking pin and tensioner retaining tool
- suitable for following models:
  - Citroen, Peugeot, Fiat, Iveco Trafic (80-00), Master (80-07), Mascot (99-07)
  - Fiat, PSA, Renault Daily (91-05), Turbo Daily (94-00), Relay / Jumper (01-02) Boxer (00-06), Arena (97-01), Movano (98-03)

Item #
8418

PRO+

Setting and Timing Tool for Diesel Pumps

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

Item #
8281

PRO+

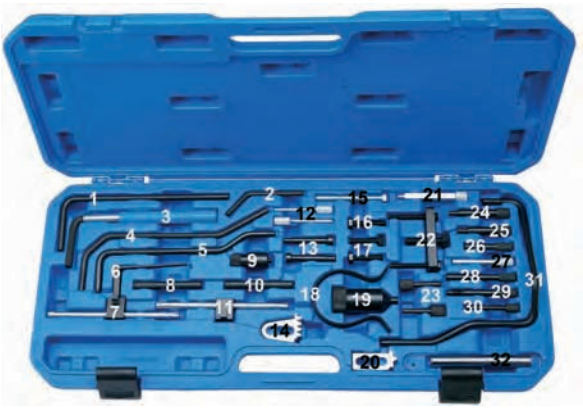
Engine Timing Tool Set for Citroen / Peugeot

contains important tools for adjustment of:
- flywheel
- crankshaft
- camshaft
- fuel injection pump shaft
- belt pulley
- tensioning of the timing belt

- complete classification chart included

- suitable for Citroen and Peugeot 16 valve engines i.e. 1.8l-16V and 2.0l 16V with engine code EW (incl. HPI engines) for example: C5, 206, 306 and 406
- suitable for Citroen und Peugeot 1.9D, 2.0D, 2.2D engine code DW8, DW10, DW12 HDI used by Citroen, Fiat, Peugeot and Toyota
- diesel engines (XUD+TUD)
- gasoline engines (XU+TU)

Engines may be identical in construction to Toyota and Fiat



PRO+

Item #	Description
8152	Engine Timing Tool Set for Citroen / Peugeot
8152-19	Crankshaft Locking Tool Peugeot / Citroen, from BGS 8152
8152-30	Camshaft Locking Tool Peugeot / Citroen, from BGS 8152

Camshaft Locking Tool for Renault 1.8 & 2.0 16V

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

Item #
8577

PRO+

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

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

Item #
8417

PRO+

Locking Tool for Injection Pump Sprocket, Renault

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

Item #
8407

PRO+

Engine Timing Tool Kit for Renault 1.5 / 1.9 DCI

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

Item #
8145

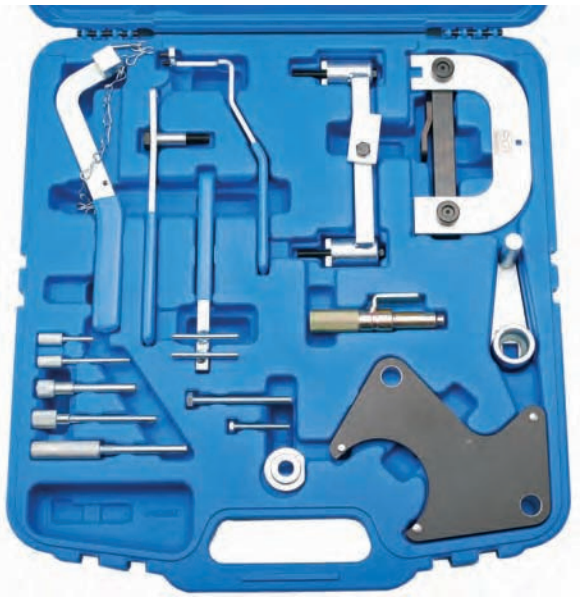
PRO+

Engine Timing Tool Set for Renault

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

- complete classification chart included

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



PRO+

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

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

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

- complete classification chart included

Item #
62505

PRO+

Camshaft Sprocket Puller for Ford Engines

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

Item #
66350

PRO+

3-piece Engine Timing Tool Kit for Ford Gasoline Engines

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

Item #
8215

PRO+

5-piece Engine Timing Tool Kit for Ford Focus

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

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

Item #
8218

PRO+

Locking Tool Set Ford 2.0 / 2.4 TDCi

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

Item #
8317

PRO+

Engine Timing Tool Set for Ford

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

- complete classification chart included

- for e.g.: 1.4 ltr. + 1.6 ltr 16V + 1.7 ltr. + 1.8 ltr. 16V + 2.0 ltr. 16V (also Zetec)
- 1.4 ltr. - 1.6 ltr. - 1.8 ltr. and 1.9 ltr. D/TD/TDCi

PRO+

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

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

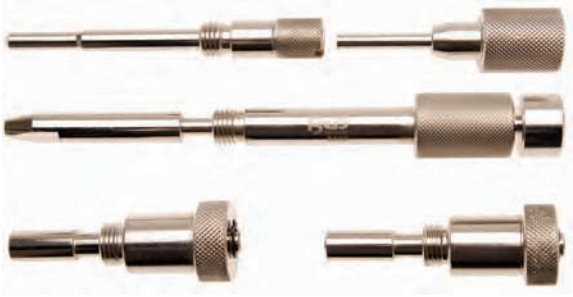
- facilitates changing of the timing belt and allows checking of the engine timing on following cars:
  - Fiat: 500 (07-12), Doblo/Cargo (05-10), Grande Punto (07-12), Idea (04-12), Linea (07-11), Panda EVO2, Punto EVO (09-12)
  - Lancia: Ypsilon (06-11), Musa (05-12)
  - Ford: Ka (09-12)
  - fits following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

Item #
8578

PRO+

Timing Tool Kit for Fiat 2.3 JTD

- includes important adjusting tools for checking and setting of the engine timing



Item #
8422

PRO+

63-piece Fiat / Alfa / Lancia Engine Timing Tool Kit

contains important tools for adjustment of:
- flywheel
- crankshaft
- camshaft
- fuel injection pump shaft
- belt pulley
- tensioning of the timing belt

- complete classification chart included
- fits varoius engines. e.g.:
  3.0 ltr. V6 (Alfa)
  1.4 ltr. 12 V (Bravo / Brava / Lancia)
  2.0 ltr. 20 V (Coupé)
  2.0 tlr. 16 V (Lancia)
  1.6 ltr. 16 V (Alfa 145 / 146 / 147 / 156)
  1.8 + 2.0 ltr. 16 V (Alfa 156)
  2.4 ltr. 20 V (Lancia)
  2.0 ltr. 16 V (Alfa 147 / 156 / 166 / GTV / Spider / GT)
  1.8 ltr. 16 V (Bravo / Brava / Marea / Lancia Delta / Dedra)
  1.8 ltr. 16 V (Fiat Coupé / Barchetta / Punto / Lancia Delta / Dedra)
  1.8 ltr. 16 V (Fiat Coupé / Barchetta / Lancia / Alfa)
  2.0 ltr. 20 V (Bravo / Brava / Marea)
  1.6 ltr. eco (Alfa 147 (105 PS)
  1.6 ltr. (Bravo / Brava / Marea)
  1.2 ltr. 16 V (Punto)

PRO+

Item #	Description
8159	63-piece Fiat / Alfa / Lancia Engine Timing Tool Kit
8159-6	Camshaft Locking Tool 2-pc. Fiat / Alfa / Lancia, from BGS 8159
8159-16	Tensioner Wrench Fiat / Alfa / Lancia, from BGS 8159
8159-17	Gauge to determine the piston height of Fiat / Alfa / Lancia, from BGS 8159

Timing Tool Set for Fiat, Lancia, Alfa Romeo

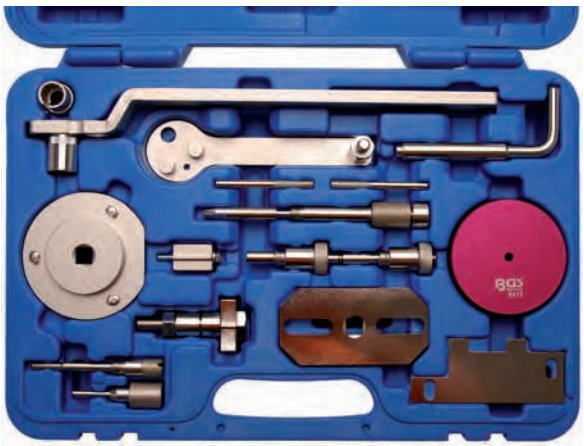
- contains 1 special socket 1/2" dr. for disassembly of the phase adjuster
- 23 custom fit timing tools for inlet camshaft and exhaust camshaft prevent distortion of camshafts and allow setting them in mounting position for the tooth belt
- locking tools are numbered and have different colours to avoid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

Item #
8240

PRO+

Timing Tool Set for FIAT and PSA Engines

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



Item #
8413

PRO+

Timing Tool Set for Chrysler 2.5 CRD

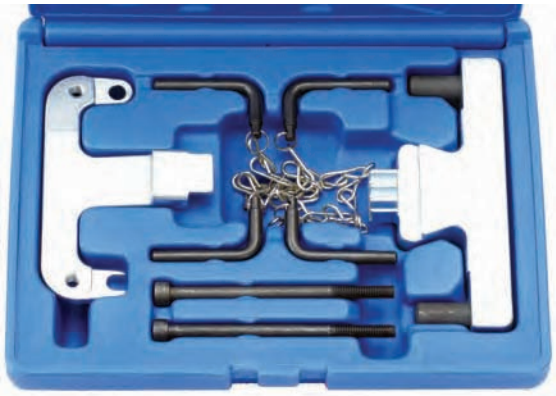
- for checking and adjusting the engine timing
- suitable for:
  - Chrysler Voyager, Grand Voyager R2516C, R2516L, R2816K engine
  - Jeep Cherokee (01-08) 2.5 / 2.8 engine
  - LDV Maxus (05-08) VM2516L engine
- camshaft locking pin (inlet) to be used as OEM VM1052
- camshaft locking pin (exhaust) to be used as OEM VM1053
- flywheel locking pin (Voyager, Grand Voyager 2.5 / 2.8 and LDV Maxus) to be used as OEM VM1068 / VM1089
- flywheel locking pin (Jeep Cherokee 2.8) to be used as OEM VM1080
- flywheel locking pin (Jeep Cherokee 2.5) to be used as OEM VM8873
- tensioner wrench to be used as OEM VM9660
- balancer shaft locking pin
- flywheel locking pin

Item #
8500

PRO+

Engine Timing Tool Kit for Mercedes - Chrysler

- includes tools for locking the camshaft and crankshaft
- suitable for the following engines:
  CDI 2.0L - 2.2L - 2.7L - 3.3L - 4.0L
  D-DT 2.0L - 2.2L - 2.5L - 2.9L - 3.0L
  Petrol 1.8L - 2.0L - 2.3L
- for engine series:
  M 112, 113, 137, 155, 156, 272, 979, 273, 629, 642, 992, 102, 103 104, 111, 601, 602.91, 602.92, 602.93, 602.94, 602.96 602 986, 603.91, 603.93, 603.96, 603.97, 604, 605, 606, 611, 612, 965, 966, 613, 119, 611, 980, 612, 628, 629, 640, 642, 922, 612, 965, 966, 646, 647, 648
- flywheel locking tool, incl. 2 x M6x90mm bolts to be used as OEM 601589024000, 8932
- flywheel locking tool to be used as OEM 602589004000, 8933
- camshaft locking pin set to be used as OEM 111589031500, 8929

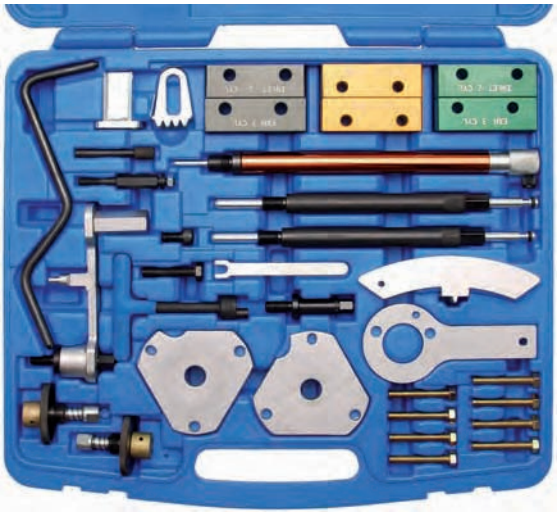


Item #
8222

PRO+

Fiat / Alfa Engine Timig Tool Kit

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



Item #
8148

PRO+

Diesel Injection Pump Puller

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

Item #
62050

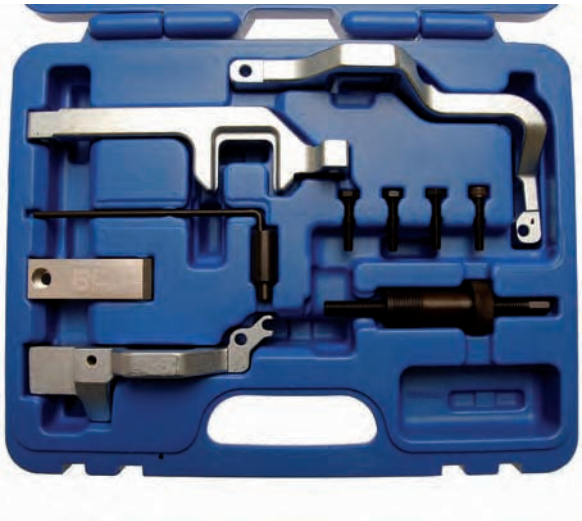
PRO+

10-piece Engine Timing Tool Kit for Mini and PSA

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

Item #
8302

PRO+



Engine Timing Tool Set for BMW 1.6L

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

Item #
62614

PRO+

13-piece Engine Timing Tool Kit for BMW Diesel Engines

- for engine codes:
  - M41, M51, M47 - M47 TU/T2,
    M57 TU/T2 2.0l/3.0l 1998-2008
  - 204D3 / Td4, Td 6
  - M47R

- contains important tools, e.g. for:
  - camshaft assembling / disassembling
  - hydraulic chain tensioner assembling / disassembling
  - valve timing of camshafts

- fits followings models:
  - BMW: 1, 3, 5, 6, 7, X3, X 5
    (type series E34-36-38-39-66-83-90-91-92-93)
  - Landrover: Range, Freelander
  - Rover: 75, MG, MG ZT
  - Vauxhall / Opel: Omega-B

PRO+

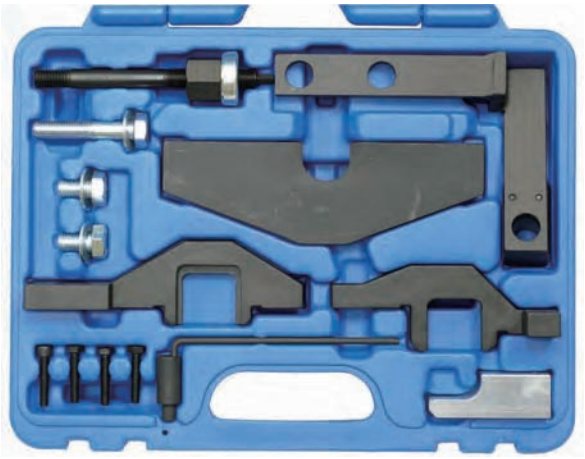
Item #	Description
62616	13-piece Engine Timing Tool Kit for BMW Diesel Engines
62616-2	Camshafts Locking Tool for BMW from BGS 62616

13-piece Engine Timing Tool Kit for BMW Mini

- for engine codes:
  - W10, W11, N14

contains important tools, e.g. for:
  - camshaft assembling / disassembling
    to be used as OEM 119551 und 119552
  - fixation of crankshaft
    to be used as OEM 119590
  - chain tensioner tool
    to be used as OEM 119340

- fits followings models:
  - Mini: One, Cooper, Cooper S, Cooper S JC
    Cooper S JCW type series R50-52-53-55-56-57)

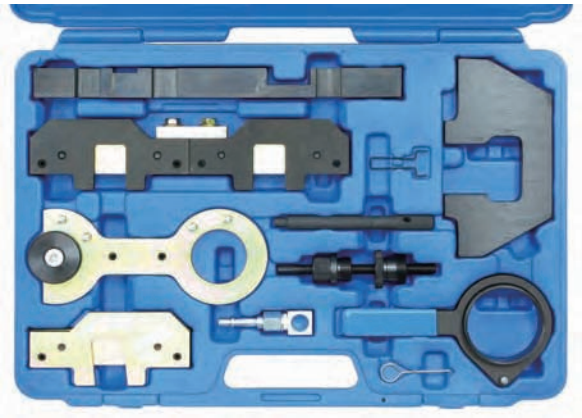


Item #
62618

PRO+

11-piece Engine Timing Tool Kit for BMW Engines

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



Item #
62615

PRO+

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

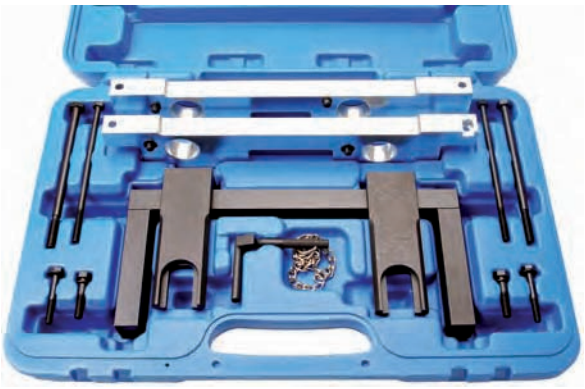
- for setting and checking the engine timing
- suitable for the following BMW models:
  - 320 E46 - 323 E46 - 325 E46
  - 328 E46 - 330 E46 - 520 E39
  - 520 E60 - 520 E39 - 523 E39
  - 525 E39 - 525 E60 - 528 E39
  - 530 E34 - 540 E34 - 535 E39
  - 530 E39 - 530 E60 - 728 E38
  - 730 E65 - 730 E35 -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

Item #
8534

PRO+

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

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



Item #
62619

PRO+

26-piece Engine Timing Tool Kit for BMW Engines

- for engine codes:
  - N42, N46, B18/-A, B20/-A/-B
- fits followings models:
  - BMW: 1, 3, 5, X3, Z4
    (type seriesE87-46-60-85-83-90-91)
- contains important tools, e.g. for:
  - camshaft assembling / disassembling
  - valve timing of camshafts
- clamps for intermediate lever, to be used as OEM 119310
- bearing bridge holder, to be used as OEM 119320
- thumbscrew, to be used as OEM 119302
- eccentric shaft holder, to be used as OEM 119301
- camshaft locking tool, to be used as OEM 119290
- camshaft locking tool (inlet), to be used as OEM 119302
- clamping tool, to be used as OEM 11940
- spring holder, to be used as OEM 119390
- camshaft sensor tool, to be used as OEM 119350
- screw, to be used as OEM 119390
- camshaft rotation key, to be used as OEM 119270
- crankshaft locking tool (straight), to be used as OEM 112300
- mounting bolts 3x, to be used as OEM 119320
- screw, to be used as OEM 119290
- camshaft locking tool, to be used as OEM 119290
- crankshaft locking tool (angled), to be used as OEM 119190
- mounting bolts, to be used as OEM 119320

Item #
62617

PRO+

11-piece Engine Timing Tool Kit for BMW

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

Item #
8146

PRO+

Flywheel Locking Tool for BMW

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

Item #
8573

PRO+

Engine Timing Tool Set for Volvo 4-, 5-, 6-Cyl. Engines -06

- for alignment of the cam and crankshafts
- also for correct installation of the camshafts over the cam cover
- suitable for 4-, 5- and 6-cyl. twin cam engines (not 3.2l) until 2006 on Volvo models: 700, 800, 850, 900, 960, C70, S40, S60, S70, S80, S90, V70 -2000, V70XC, XC70, V90, XC90
- incl. following tools:
  2-piece camshaft cover tool, to be used as OEM 9995454
  crankshaft locking tool, to be used as OEM 9995452
  camshaft setting tool, to be used as OEM 9995451
  holder, to be used as OEM 9995453
  2x 110 mm and 2x 85 mm screws

Item #
8562

PRO+

50-piece Engine Timing Tool Kit for Toyota + Mitsubishi

- for Toyota, Mitsubishi
- important kit when working on the engine, e.g.. timming belt, general motor settings, camshafts, etc.
- incl. application chart

Item #
68310

PRO+

26-piece Engine Timing Tool Kit for Honda, Mazda, etc.

- for Honda, Mazda, Subaru, Hyundai, Daewoo, etc.
- important kit when working on the engine, e.g. timing belt, general engine settings, camshafts, etc.
- incl. application chart

Item #
68300

PRO+

Tire Levers

- special steel, chrome plated, hardened

PRO

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

Tire Lever, 380 mm

- chrome plated, hardened

Item #
1540

PRO+ CV

Tire Lever with Plastic Protection Cover

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

PRO+

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

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

- chrome plated
- hardened

In tetron wallet

Item #
1548

PRO+

Tire Lever, 650 mm Length, for Trucks

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

Item #
4802

PRO+ CV

Tire Lever with Aluminium Handle, 390 mm

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

Item #
1528

PRO+

Tire Lever, for Motorbikes, 370 mm

- chrome plated
- plastic handle

Item #
1529

PRO+ CV

Pry Bar, 780 mm

- satin chrome plated
- with acid resistant handle

Item #
9134

PRO+ CV

4-piece Pry Bar Set

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

Item #
9135

PRO

4-piece Mechanic's Pry Bar Set

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

Item #
9137

PRO+ CV

3-piece Pry Bar Set with Swivel Joint Head

- pry bars in length 250-300-385 mm
- black finish
- for disassembling lock-rings, bearings, loosening gaskets, body repair, etc.
- swivel joint head lockable in 15 different positions
- perfect for prying in hard to reach areas due to flat finish
- swivel joint head lockable in different positions

Item #
9140

PRO+

Lever with Swivel Head, 450-760 mm

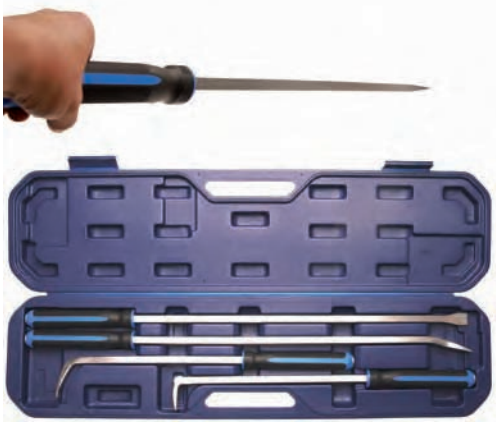
- heavy duty finish
- adjustable from 450 to 760 mm
- head adjustable in 10 positions
- ideal for work when you need flexibility

Item #
9141

PRO+

4-piece Pry Bar Set

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



Item #
9133

PRO+

Wrecking Bars, extra strong

- extremely strong
- forged and hardened
- with claw and splitter
- no lateral adjustment
- oval profile

PRO+

Item #	Description
52106	Wrecking Bar, 600x30x17 mm
52109	Wrecking Bar, 910x30x17 mm
52104	Wrecking Bar, 400x22x12 mm

Ripping Bar / Nail Puller, flat

- with 2 nail slots and flat claws
- length: 380 mm

Item #
52138

PRO+

Adjustable Wrecking Bar, 60-86 cm

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

Item #
52120

PRO+

Control Arm Lever

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

Item #
3521

PRO+

Bowden Cable Oiler

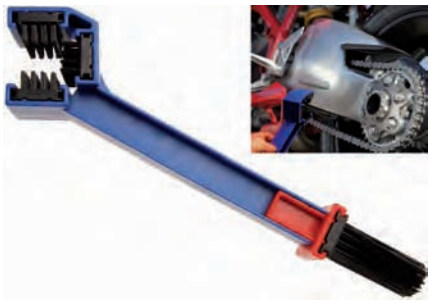
- for easy and accurate maintenance of all cables
- good lubrication of bowden cables increases cable life

Item #
8391

PRO+

Motorcycle Chain Cleaning Brush, 265 mm

- extends the life of the chain
- U-shaped brush allows easy drain cleaning



Item #
8362

PRO+

Clutch Cage Holder

- application:
  graps into the clutch driver grooves and arrests it so that the central nut can be loosened securely
- bolt diameter: 5 and 9 mm

Item #
1713

PRO+

Holding Wrench for Flywheels & Clutch Baskets

- simplifies removal of flywheels
- fits most flywheels and clutch baskets of scooters and other 2-stroke engines
- suitable for diameters from 93 to 130 mm

Item #
8457

PRO+

Flywheel Puller for Yamaha Motorcycle, Kawasaki Jet Ski

- suitable for Yamaha WR 250F/WR400F and Kawasaki Jet Ski 300/440/550
- facilitates damage-free removal of the fly wheel
- 3x8 mm screws on a 55 mm round base are connected to the flywheel
- 14 mm pressure spindle with sliding T-handle
- incl. 3 M8 x 40 mm screws

Item #
8248

PRO+

Flywheel Puller for KTM, Suzuki, Yamaha

- allows a non-destructive removal of flywheels with an M33 x 1.5 external thread
- suitable for the following motorcycles:
  KTM: 625 SMC (2006), 640 LC4 ADVENTURE (2004-2007), 640 LC4E (2001), 690 RFR (2008)
  SUZUKI: GSXR 1000 (2001-2008), GSXR 600 (2001-2009), GSX R750 (2000-2008)
  YAMAHA: WR 450F (2004-2008),
  YFZ 450 (2004-2009)

Item #
8465

PRO+

Flywheel Puller for Suzuki Motorcycles

- fits on following Suzuki models:
  - GV 1400G (1986-1988), LS 650 (1987-2009)
  - LTA 400 (2002-2004), LTA 400 (2006-2008)
  - LTA 400F (2002-2008), LTA 450X (2007-2009)
  - LTA 500F (2000-2007), LTA 700X (2005-2007)
  - LTA 750X (2008-2009), LTF 400 (2002-2004)
  - LTF 400 (2006-2008), LTF 400F (2002-2008)
  - LTF 500F (1998-2007), VL 1500LC (1998-2004)
  - VL 1500LC C90 (2005-2009)
  - VS 1400GLP (1987-2004)
  - VS 1400GLP (S83) (2005-2009)
  - VS 700 GLP (1986-1987)
  - VS 750 GLP (1988-1991), VS 800GL (1992-1995)
  - VX 800 (1990-1993), VZR 1800 (2006-2007)
- material: phosphate coated carbon steel

Item #
8466

PRO+

Rotor Pullers

- suitable for generator and ignition system
- M27x 1.00: Honda, Suzuki, Yamaha
- M26x 1.50: Bosch

PRO+

Item #	Description
7746	Rotor Puller, M27x1.00
7747	Rotor Puller, M26x1.50, M22x1.50

10-piece Rotor Puller Set

- fits Yamaha, Honda, Suzuki, Bosch, Kawasaki, Ducati and many others
- sizes contained:

M 14 x 1.5 M 25 x 1.5 M 22 x 1.5
M 16 x 1.5 M 22 x 1.0 M 27 x 1.25
M 18 x 1.5 M 28 x 1.5 M 20 x 1.0
M 26 x 1.0 M 19 x 1.0 M 27 x 1.0
M 28 x 1.0 M 26 x 1.5 M 24 x 1.0

Item #
7748

PRO+

Steering Head Bearing Remover for Motorcycles

- allows a dismantling of steering head bearings
- length 305 mm
- material: chrome-molybdenum

PRO+ CRO MO

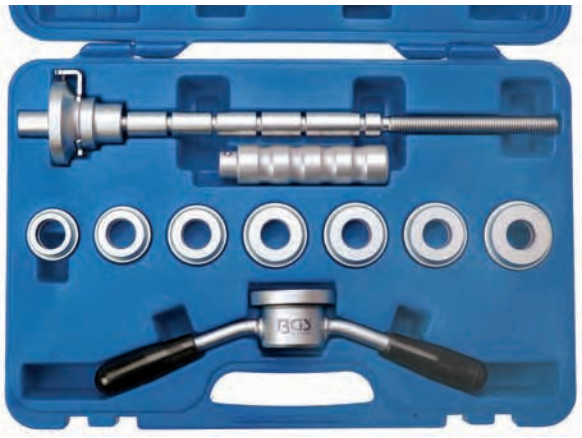
Item #	Description
8510	Steering Head Bearing Remover, 35 - 55 mm
8509	Steering Head Bearing Remover, 26 - 35 mm

Steering Head Bearing Assembly Tool Kit for Motorcycles

- allows a careful assembly of upper and lower steering head bearings
- suitable for Kawasaki, Honda and Harley Davidson
- Includes:
  - 1 press nut with crank
  - 1 mounting screw
  - 1 nylon washer
  - 2 step rings for Kawasaki
  - 2 step rings for Honda
  - 1 step ring for Harley Davidson
  - 1 washer plate
  - 1 pressure washer
- carbon steel
- satin chrome finish

Item #
8461

PRO+



9-piece Motorcycle Fork Seal Driver Set

- contains 9 half shells in following sizes: 35/36 - 39 - 41 - 43 - 45 - 46/47 - 48 - 49/50 - 54 mm
- for use on conventional and upside-down forks
- allows quick and convenient replacement of fork seals without disassembling the conventional fork legs
- zinc plated
- knurled ring for better grip

Item #
8474

PRO+

10-piece Spoke Wrench Set for Motorcycles

- for the replacement of spokes, or tightening of wheel spokes
- size: 5.2 - 5.4 - 5.6 - 5.8 - 6.0 - 6.2 - 6.4 - 6.6 - 6.8 - 7.0 mm

Item #
8360

PRO+

Wire Spoke Wrench

- forged
- chrome plated
- suitable for 6,3 - 5,6 - 5,0 - 4,5 mm wire spokes
- for tightening wire spokes on a bicycle

Item #
7180

PRO+ CV

Spoke Torque Wrench, interchangeable heads

6.3 ◘ ¼

- rim life is extended by tightening all the spokes with the same torque value
- 10 interchangeable heads with 12 x 9 mm square drive, suitable for the most popular spoke sizes
  - 5.1 - 5.8 - 6.1 - 6.3 - 6.4 - 6.5 - 6.7 - 6.9 mm
  - ratchet head: 6.3 (1/4), 24-tooth, for sockets
- torque range: 3 - 19 Nm
- length: 195 mm

Item #
8511

PRO+

All Purpose Chain Separating Tool

- for pressing rivets out of the chains

Item #
1743

PRO+

Separating and Riveting Tool for Motorbike Chains

- for separating and riveting chains
- suitable for chains 35 up 630
- also suitable for engine timing chain
- 3 separating tips included: 2.2-2.9-3.8 mm

PRO+

Item #	Description
1749	Separating and Riveting Tool for Motorbike Chains
1749-1	Separating Tip 2,2 mm from BGS 1749
1749-2	Separating Tip 2,9 mm from BGS 1749
1749-3	Separating Tip 3,8 mm from BGS 1749
1749-4	Rivet Bolt for BGS 1749

Motocycle Repair Tool Set

- includes important tools for the repair of motorcycles
- flywheel pullers:
  - M28 x 1,0 (right-, inner thread)
  - M27 x 1,0 (left-, outside thread)
  - M24 x 1,0 (right-, inner thread)
  - M16 x 1,5 (right-, inner thread)
- crankshaft tool
- chain extractor tool
- universal holder tool
- clutch nut tool Ø 20 und 24 mm
- hook wrench
- 100 mm int. hex. socket 8 and 10 mm
- adapter 12,5 (1/2) to 6,3 (1/4) drive
- screwdriver bits in following sizes:
  - 110 mm plain slot 7 mm and PH2
  - 110 mm plain slot 7 mm and PH3
  - 110 mm int. hex. socket 5 und 6 mm
  - 200 mm int. hex. socket 4 und 5 mm
  - 200 mm PH2
  - 200 mm PH3
- screwdriver handle for Bits
- T-type bit holder
- valve adjusting sockets in 8, 9 and 10 mm
- handy, knurled socket holder, for valve adjusting sockets
- slotted nut socket for gearbox repair jobs

Item #
8326

PRO+

Wheel Bearing Tool Set for Harley-Davidson

- ideal tool for the assembly and disassembly of wheel bearings without damaging the wheel
- suitable for wheel bearings with 3/4 "and 1" inner Ø, built 2000-2006 and for 25 mm wheel bearings installed on most models during 2007 - 2008 with and without ABS

Item #
8373

PRO+

Spring Compressor Set for Harley Davidson

- two sets in one: suitable for 39 mm and 41 mm front fork springs
- special socket for disassembly and assembly of fork cap
- 195 mm long clamping spindle with a diameter of 18.6 mm

Item #
992

PRO+

2-piece Motorcycle Spring Compressor Kit

- facilitates assembly of springs on the spring strut
- max opening width 100 mm
- 3/8" and 17 hex. drive
- rubber protection on the tensioning claws prevent damage to the spring coating
- made from high grade steel
- housing is made from stainless steel
- suitable for cylindrical springs with a wire diameter up to 11 mm

Item #
991

PRO+

Motorcycle Coil Spring Compressor for Central Struts

- 4 adaptors for use on a wide range of coil springs
- adaptor-Ø 60 - 66 - 72 and 75 mm
- with eyelet and clevis adaptor
- is a great time saver
- manufactured from aluminium

Item #
8521

PRO+

TDC Dial Indicator for Ignition Adjusting on Motorcycles

- precision gauge for locating the piston TDC
- allows precise ignition timing
- suitable for most cylinder heads
- spark plug thread adapter in 10, 12 and 14 mm
- includes:
  - 1 gauge 10 mm stroke, 1/100mm graduation
  - 1 adapter with gauge clamp, length 3 cm
  - 1 extension M8x1.0, length 3 cm
  - 1 adapter M10x1.0
  - 1 adapter M12x1.25
  - 1 adapter M14x1.25
  - 3 stylus extensions

PRO+

Item #	Description
8319	TDC Dial Indicator for Ignition Adjusting on Motorcycles
8319-1	Gauge Ø42 mm, for BGS 1938 / 8319 / 8159

Motorcycle Brake Piston Pliers

- for removing the brake pistons
- suitable for most scooters, quads and motorcycles
- knurled jaws for better grip

Item #
8419

PRO+

14-piece Brake Piston Removal Kit for Motorcycles

- suitable for nearly all brands
- for piston diameter 19 to 30 mm
- allows easy disassembly of brake pistons
- works also on stuck pistons

Item #
8242

PRO+

Motorcycle Special Socket, 19-22-24 mm

- three different int. hex. sizes:
  19 mm: Yamaha
  22 mm: Kawasaki,BMW
  24 mm: Suzuki & Honda, BMW K1, K1000
- for assembling / disassembling of the full floating axle
- 19 or 22 mm hex. drive socket (socket not included)

Item #
5059

PRO+

Motorcycle Special Socket, 17-19-22-24 mm, 3/8" Drive

10 ■ 3/8

- suitable for wheel axle
- 4 different internal hexagon sizes: 17-19-22-24 mm
- for Yamaha, Kawasaki, BMW, Suzuki, Honda

Item #
5058

PRO+ CV

Internal Hexagon Bit Set for Motorcycles

12.5 ½

- is required when working on motorcycle axles and forks
- 1/2" adaptor
- bit sitzes: 17, 19, 22 and 24 mm
- material: chrom vanadium

Item #
5060

PRO+

Motorcycle Positioning Jack

- allows maneuvering in confined spaces
- for motorcycles with main stand
- non-slip rubber pad
- with brake
- capacity 150 kg

Item #
8423

PRO+

Central Lift for Dirt Bikes / Cross Motorcycles

- facilitates cleaning of the wheels and is helpful for maintenance and repairs of the chain drive and on the wheel suspension
- min. height: 270 mm
- max. height: 390 mm
- lifting surface: 230 x 285 mm

Item #
8424

PRO+

Hydraulic Motorcycle Lifter, 680kg

- suitable for motorcycles with underslung frame
- min. height: 145 mm
- max. height: 420 mm
- lifting height: 275 mm
- dimensions: 865 x 360 x 325 mm

Item #
8389

PRO+ CE

Motorcycle Lifter for Single-Sided Swingarms on Rear Axles

- suitable for single-sided swingarms on rear axles
- ball bearing holding bolt for rear axles
- very useful when the wheel must be turned e.g. rims when cleaning the rims, lubricating the chain, etc.
- allows removal of the rear wheel on motorcycle without center stand
- 24.8 mm lifting pin

Item #
9244

PRO+

Motorcycle Combination Lifter for Front and Rear Axles

- very useful when the wheel must be turned e.g. rims when cleaning the rims, lubricating the chain, etc.
- allows removal of the rear or front wheel
- particularly suitable for motorcycles without main stand
- the frontwheel can be raised through the steering head bearing tube

Item #
9243

PRO+

Motorcycle Wheel Balancer

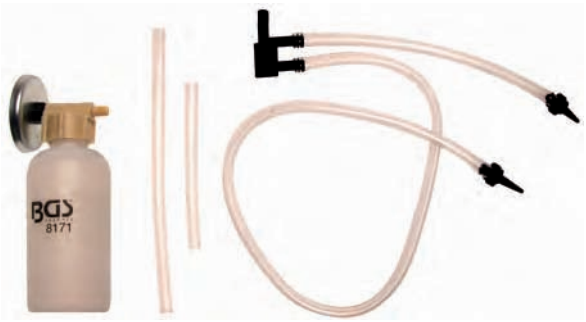
- an economic alternative to an expensive balancing machine
- allows static balancing of motorcycle tires up to 740 mm diameter and 320 mm width
- painted steel frame with a carbon steel made balancing shaft
- includes 2 centering cones for centering the wheel on the balancing shaft
- precision ball bearings provide a low-friction pendulum motion for precise balancing of the wheel

Item #
8459

PRO+

Brake Bleeding Bottle

- allows a bleeding of brake and clutch systems on motorcycles
- magnet for attachment to the frame
- includes 3 adapters



Item #
8171

PRO

Brake Bleeder Tool

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

Item #
8066

PRO+

Nut Splitters

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

PRO

Item #	Description
1810	Nut Splitter, up to 24 mm
1811	Nut Splitter, up to 16 mm

2-piece Nut Splitter Set, 12-16 & 16-22 mm

- consists of Item 1810 + 1811

Item #
1812

PRO

Nut Splitter, 3-24 mm

- forged
- opened jaw, for nut sizes 3 - 24mm
- 360° spinning blade

Item #
1814

PRO+

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

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

Item #
1775

PRO+

Camshaft Guide, 170 mm, VW

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

Item #
8122

PRO+

Timing Tool Set for Audi + VW V6 / V8 TDI

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

- crankshaft locking pin also individually available at BGS 8155-6

Item #
8275

PRO+

Camshaft Locking Tool for Opel Astra, Vectra

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

Item #
1769

PRO+

Camshaft Locking Tool for Opel Astra, Vectra, Zafira

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

Item #
1770

PRO+

Camshaft Locking Tool, fits most Rover + MG Models

- 33,5 x 44,5 x 15 mm

Item #
1764

PRO+

Flywheel Locking Tool

- for Citroen-Fiat-Peugeot

Item #
1771

PRO+

Camshaft Locking Tool

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

Item #
8243

PRO+

VAG 5 and 10 Cylinder Engine Locking Tool

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

Item #
8279

PRO+

Universal Twin Cam Lock

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

Item #
1799

PRO+

Camshaft Setting Tool Audi V8 4.2

- to adjust the camshafts, to be used as OEM T40047
- ensures correct setting of the Hall sensor wheel, an incorrect setting may cause bad idle and lazy response lead
- suitable for cars with 4.2 liter V8 engines:
  AUDI A6 (05-06), A8 (04-06), Quattro (03-05), S4 (04-09)
  VW Phaeton (04-06)
  with engine codes:
  BNK - BFM - BGK - BAS - BHF - BGH

Item #
8531

PRO+

Camshaft Locking Tool for Audi 8 Cylinder Engines

- suitable for Audi A4 2001> and A6 1998> with 8 cylinder engines
- for checking and adjusting the engine timing
- to be used as OEM T40046

Item #
8532

PRO+

Camshaft Locking Bar, adjustable 12 & 30 Valve

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

Item #
8522

PRO+

Camshaft Locking Tool Audi + VW

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

- appropriate crankshaft locking tool available under BGS 8155-6

Item #
8232

PRO+

Camshaft Locking Tool for Audi + VW

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

Item #
8233

PRO+

Camshaft Locking Tool for Audi + VW

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

Item #
8234

PRO+

Oil Drain Adapter Hose for Oil Filter Cartridges

- suitable for VAG 1.8 and 2.0L gasoline engines with engine codes AXW - BLX - BLR - BLY - BVX - BVY - BVZ
  Audi A3 / A4 / A6 / DD
  VW Golf V - Passat - Touran - New Beetle - EOS - Jetta III - Seat Altea - Leon - Octavia - Toledo
- opens a valve when screwing in the oil filter housing
- allows a controlled and clean oil discharge from the oil filter housing

Item #
9000

PRO+

Oil Drain Adapter Hose for Oil Filter Cartridges

- suitable for Toyota and Lexus
- opens a valve when screwing in the oil filter housing
- allows a controlled and clean oil discharge from the oil filter housing

Item #
1401

PRO+

Gear Oil Filling Hose for VAG

- is needed when replacing the DSG engine oil
- with adaptor for 1 liter VAG gear oil (G052182A2)
- built-in valve prevents oil spillage

Item #
1402

PRO+

Decanter Pump

- 500 ccm capacity
- can also be used for gearbox and engine oil
- incl. 2 transparent hoses for suction/drain
- overall length (without hose): 330 mm
- diameter 58 mm
- inner diameter of hose: 9.5 mm

Item #
3064

PRO+

Oil Barrel Pump, Lever Type

- for pumping liquids from barrels
- suitable for oil, antifreeze, etc. (not for fuel)
- for barrels up to 200 liters
- pumps about 300 ml per stroke
- with 2 "NPT thread

Item #
8343

PRO+

Oil Barrel Pump

- with standard barrel adapter
- variable depth of immersion
- suitable for oil and other non-corrosive liquids

Item #
8345

PRO+

Pressure Pump for Oil Barrels

- for easy extraction of engine oil from barrels
- suitable for up to 200 l barrels
- simple and easy to operate
- for all non-corrosive liquids

Item #
9210

PRO+

12 Volt Oil Pump

- max. flow rate for engine oil approx. 0,2l /min
- max. flow rate for Diesel or heating oil app. 1,2l /min
- ideal equipment for quick and clean oil-changes
- the oil-pump works by connecting the clamps to the 12V car battery
- can remove 100% of the used oil if inserted through the dipstick opening
- complete with all necessary accessories

Item #
9910

PRO+ CE

Air Brake Bleeding and Oil Extraction Unit

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

Item #
3155

PRO+

Multi Purpose Pump

- suitable for oil, brake fluid and cleaning fluid
- overall size 315 mm, capacity 1000 ml

Item #
8356

PRO+

Oiler with Flexible Nozzle

- flexible nozzle
- full metal construction
- content approx 0.3 L

Item #
8431

PRO+

70 Liter Waste Oil Drain Receiver

- designed for containing waste oils, such as on engines, gearboxes, rear axles, etc.
- with compressed air connection, makes it easier to empty the container without oil spillage
- with 4 castors, 2 swivel wheels for easy maneuvering
- includes emptying hose

Item #
8544

PRO

70 Liter Suction Evac Oil Drainer, Air support

- designed for extracting waste oils, such as on engines, gearboxes, rear axles, etc.
- with compressed air connection, makes it easier to empty the container without oil spillage
- large glass container to check the oil level
- with 4 castors, 2 swivel wheels for easy maneuvering
- includes:
  - flexible suction pipes: Ø 5 - 6 - 7 and 8 mm
  - metal sucting pipes: Ø 5 and 6 mm
  - emptying hose

Item #
8545

PRO

Fluid Flasks

- acid, oil and alkali resistible
- with threaded nozzle for fillers (filler not included)

PRO+

Item #	Description
8568	Fluid Flask, 1 L
9983	Fluid Flask, 2 L
9984	Fluid Flask, 4 L
8569	Fluid Flask, 5 L

Pouring Spout for Oil Cans BGS 9983 and 9984

- flexible
- facilitates filling

Item #
9988

PRO

Oil Filler Tool, 7 Liters

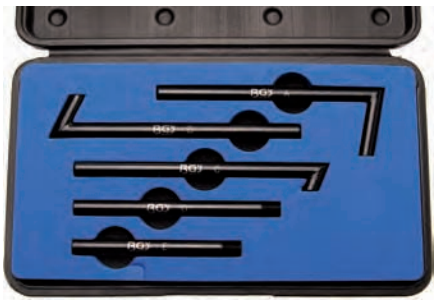
- with 5-pc adaptor set with different angles
- for filling gearboxes and differentials with oil
- hose length 160 cm
- can be used up to SAE 140

Item #
8056

PRO+

5-pc. Adapter Set for BGS 8056

- short adapter for VAG models
  to be used as VAG 1924/1
- long adapter for VAG models
- straight adapter for VAG Models
  to be used as VAG 6262/2
- adapter for Ford models
- adapter for BMW models



Item #
8056-1

PRO+

Adaptor Set for Oil Filler Tool BGS 8056

- suitable for:
  Mercedes 722.9
  VW / Audi DSG
  VW / Audi CVT

Item #
9990

PRO+

Oil Filler Tool, 7 Liters

- for filling gearboxes and differentials with oil
- new version with second hose for backflow of excessive oil
- with 8-pc adaptor set with different angles and thread types
- ideal for filling Mercedes 722.9, VW / Audi DSG and CVT transmissions
- hose length 160 cm
- can be used up to SAE 140

PRO+

Item #	Description
9991	Oil Filler Tool, 7 Liters
9991-2	Replacement Container for BGS 9991

Manual Oil Suction Pump, Capacity 200 ccm

- for suction of small amounts of gear and clutch oil

Item #
4065

PRO+

Multi Purpose Funnel, 160 mm

- suitable for oil, anti freeze, diesel etc.
- length: 400mm
- tube size: 1/2"
- closes by sliding a ring and by closing a plug at the end of the hose

Item #
8406

PRO+

Oil Funnel, 850 ml Reservoir

- square type

Item #
9986

PRO+

Flexible Funnel

- can be formed into various shapes
- fits even in smallest spaces
- suitable for all oils, coolants, fuel, hydraulic fluids etc
- pad size: 170 x 370 mm
- max. input opening: 150 mm
- max. outflow opening: 50 mm

Item #
8446

PRO+

Oil Tub / Drip Pan, 14 Liter with Nozzle

- manufactured from oil and fuel resistant
- made of HDPE plastic
- impact resistant
- diameter: 450 mm
- height: 150 mm
- weight 1075 g
- impact resistant

Item #
9980

PRO+

Oil Tub / Drip Pan, 5,5 Liter with Nozzle

- manufactured from oil and fuel resistant
- made of HDPE plastic
- impact resistant
- diameter: 410 mm
- height: 95 mm
- weight 650 g
- impact resistant

Item #
9981

PRO+

Oil Changing Can, with Nozzle, 8 Liter

- closed construction, special flat type (only 12 cm high)
- ideal for small working space
- special shaped oil basin makes sure no oil will get lost
- with 3 carrying-handles and 3 plastic-screws
- for oil, petrol, chemicals and antifreeze

Item #
9982

PRO+

Mobile Waste Oil Container with Spout, 40 liters

- for collection of fluids, such as e.g. engine, transmission, rear axle oils and coolant fluids
- suitable for cars and motorcycles
- easy positioning by two wheels, Ø 100 mm
- closeable opening
- equipped with handles on both sides
- dimension: 900 x 500 x 190 mm

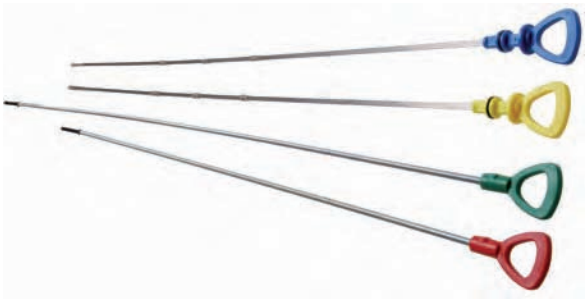
Item #
8554

PRO+

4-piece Oil Dipstick Gauge Set for Mercedes Benz

- 4 dipsticks for measuring the oil of the engine and the transmission
- absolutely necessary after changing the oil, because vehicles are delivered without oil gauges
- suitable for the following models:

A (length 1220 mm): for transmission oil, transmission type 722.6
B (length 920 mm): for transmission oil, transmission type 722.7, 716.5
C (length 930 mm): for motor oil, motor type
103.943/984/985, 104, 111, 119, 120, 137,
603.913/963/97, 604, 605, 606, 611, 612,
613, 628, 612.965
D (length 930 mm): for motor oil, motor type
M112, 113, 646, 647, 648



Item #
1010

PRO+

Dipstick for Audi and VW with Oil Level Indicator

- suitable for Audi and VW models with oil level indicator in the display
- an unnoticed defect of the display without manual oil level check could cause engine failure
- useful tool after exchange of the oil sensor or to calibrate the driver's display
- fits the following engines:
3.0 and 2.7 L TDI - 2.0 TDI - 1.8 and 2.0 TFSI - 3.0 and 3.2 TFSI
- setting table for measuring stick included
- to be used as OEM T40178

Item #
1052

PRO+

Oil Dipstick Audi A6

- suitable for Audi A6/100 models (without dipstick)

Item #
8517

PRO+

Internal Hexagon Key for Oil Drain and Filler Plugs, 12 mm

- suitable for Alfa Romeo, Fiat and Lancia
- for oil filter, oil filler and oil drain plugs on the transmission, differential
- angled key 40° and 90°
- length: 283 mm

Item #
1005

PRO+

Special Oil Drain Plug Wrench, 8x10 mm

- forged
- for PEUGEOT

Item #
1006

PRO

Oil Pan Special Key 8-in-1

- for daily workshop use
- 4 square sockets: 8 - 10 mm and 3/8" - 1/2"
- 4 hex. sockets: 10 - 12 - 14 - 17 mm
- overall length: 270 mm

Item #
1012

PRO+

6-piece Drain Plug Key Set, 8-14 mm

12.5 ½

- satin chrome finish
- sizes: 8-10-12-14 mm, 1/2" & 3/8" square head
- on socket rail

Item #
1016

PRO+ CV

Drain Plug Key Set, for all Car Types

- for all sorts of cars
- used in combination with spark plug socket or wrench 14 mm or 21 mm
- 6-piece in metal case
- sizes 5/16 x 3/8" (hex.) - 8 mm x 3/8" (sq. head) 8 mm x 10 mm (hex.) - 11 mm (sq. head) x 12 mm (hex.) 13 mm (sq. head) x 14 mm (hex.) - 1/2" x 17 mm (hex.)

Item #
1015

PRO+ CV

12-piece Universal Drain Plug Key Set

10 ◘ 3/8

- 7 hex. sockets:
  8-9-10-12-14-17 mm + 3/8"
- 4 sq. head sockets:
  8-11-13 mm + 3/8"
- 1 sliding t-bar

Item #
1017

PRO+

21-piece Oil Drain Socket Set, 3/8"

10 ◘ 3/8

- black finish
- 9 hexagon sockets:
  8-9-10-12-14-17 mm, 5/16", 3/8", 1/2"
- 5 square sockets 8-12-13-14 mm, 1/2"
- 1 inner square socket 10 mm
- 1 triangle socket 10 mm
- 1 spline socket M16
- 1 sliding T-bar 200 mm

Item #
1014

PRO+ CV

Oil Drain Plug Repair Kit

Each set contains:
- 1 screw tap HSS-G
- 6 spare screws
- 6 gasket rings

PRO+

Item #	Description
156	Oil Drain Plug Repair Kit, M13x1.5
151	Oil Drain Plug Repair Kit, M14x1.25
157	Oil Drain Plug Repair Kit, M15x1.5
158	Oil Drain Plug Repair Kit, M17x1.5
159	Oil Drain Plug Repair Kit, M20x1.5

Oil Drain Repair Kit, 64-pcs.

- 4 piece chrome molybdenum taps: M13 - 15 - 17 - 20
- 5 screws each: M13.5, M15.5, M17.5, M20
- 10 aluminum washers each: 13 - 15 - 17 - 20 mm

Item #
126

PRO+

534-piece Oil Drain Plug Screws and Copper O-Ring Assortment

- Oil Drain Plug Screws:
  5x10 mm, 5x12 mm, 5x13 mm, 5x14 mm,
  5x15 mm, 3x16 mm, 3x18 mm, 3x20 mm
- Copper O-Rings:
  50x6 mm, 50x8 mm, 50x10 mm, 50x12 mm, 50x13 mm,
  50x14 mm, 50x15 mm, 50x16 mm, 50x18 mm, 50x20 mm

in plastic storage case

Item #
8118

PRO+

534-pcs. Oil Drain Plug Screws and Aluminum O-Ring Assortment

- Oil Drain Plug Screws:
  5x M10, 5x M12, 5x M13, 5x M14, 5x M15,
  3x M16, 3x M18, 3x M20
- Aluminum O-Rings:
  50x6 mm, 50x8 mm, 50x10 mm, 50x12 mm, 50x13 mm,
  50x14 mm, 50x15 mm, 50x16 mm, 50x18 mm, 50x20 mm

in plastic storage case

Item #
8119

PRO+

Oil Filter Wrench, Spring Steel Strip, Aluminium Diecast

- for all types of oil filters

PRO+

Item #	Description
1028	Oil Filter Wrench, Spring Steel Strip, Aluminium Diecast, up to 105 mm
1029	Spare Spring Strip for #1028
1027	Oil Filter Wrench, Spring Steel Strip, Aluminium Diecast, up to 155 mm
1025	Spare Spring Strip for #1027

Oilfilter Strap Wrench, 20-190 mm

- continously adjustable
- strap width ca. 26 mm
- length of tool body ca. 255 mm
- extra heavy duty finish, tool weighs ca. 875 g
- perfect for working on oil filters etc.
- strap material similar to a V-belt

Item #
1008

PRO+

7-piece Low Profile Oil Filter Wrench Set

10 ■ 3/8

- low profile design perfect for use on cartridge style filters
- contains following sizes:
  - 24 mm (misc. BMW)
  - 27 mm (Mercedes A-class)
  - 32 mm (Opel Astra G, Corsa B, Zafira)
  - 36 mm (misc. BMW, Ford Mondeo 2.0, Transit 2.0, D, Opel Vectra B, Zafira, misc. Mercedes)
  - 38 mm Opel Vectra 2.0D
  - 29 mm (misc. models)
  - 30 mm (misc. models)
- drive: 3/8"

Item #
8377

PRO+

9-piece End Cap Oil Filter Wrench Set

- black finish
- special sizes for utility vehicles:
  36 mm x 6 edge, 74 mm x 14 edge, 106 mm x 15 edge
  107 mm x 15 edge, 108 mm x 15 edge, 108 mm x 18 edge
  135 mm x 18 edge
- 160 mm oil filter wrench included
- all sizes also available separate

PRO+

Item #	Description
1019	9-piece End Cap Oil Filter Wrench Set
1019-36	End Cap Oil Filter Wrench, 36 mm x 6-edge
1019-74	End Cap Oil Filter Wrench, 74 mm x 14-edge
1019-106	End Cap Oil Filter Wrench,106 mm x 15-edge
1019-107	End Cap Oil Filter Wrench,107 mm x 15-edge
1019-108	End Cap Oil Filter Wrench,108 mm x 15-edge
1019-108-18	End Cap Oil Filter Wrench,108 mm x 18-edge
1019-135	End Cap Oil Filter Wrench,135 mm x 18-edge
1019-1	Oil Filter Band Wrench, 160 mm

30-piece End Cap Oil Filter Wrench Set

10 ■ 3/8

- black finish caps
- three leg oil filter wrench
- adaptor 10 (3/8) x 12,5 (1/2)

PRO +

Item #
1039

CV

Set Contents

Item #	Size	Steps	Grooves	Planes	Example Applications
1039-66-6	66	1	6		Fiat Punto 1.2, Renault Clio 1.2, Rapid, Twingo
1047	65	1		14	Daihatsu, Toyota, Nissan, Fiat
1039-65-67	65-67	1		14	Daihatsu, Toyota, Nissan, Fiat
1039-68-14	68	1		14	Mazda, Ford, Subaru
1039-73-14	73	1		14	Toyota, Lexus
1039-74-15	74	1		15	Audi, Rover , Chrysler
1039-74-76	74-76	2		15	Ford, Opel, VW, Audi, Mercedes
1039-75-77	75-77	2		15	VW, Audi, Isuzu, Mercedes
1039-76-12	76	1		12	Fiat, Mercedes, Renault
1039-76-14	76	1		14	VW, Porsche, Mercedes-benz, BMW, Audi, Opel
1039-76-30	76	1	30		Ford
1039-76-8	76	1	8		Fiat, Lancia
1039-78-15	78	1		15	Nissan, Ford, Toyota
1039-80-15	80	1		15	Nissan, Honda, Opel, Mazda
1039-80-82	80-82	2		15	Subaru, Toyota, Honda, Nissan
1039-86-16	86	1		16	Volvo
1039-86-18	86	1		18	VW Golf, Audi A6 TDI, Peugeot, Citroen
1039-90-15	90	1		15	Honda, Mitsubishi, Isuzu
1039-92-10	92	1		10	Fiat
1039-93-15	93	1		15	Mazda, Volvo, Mitsubishi, Nissan, Honda
1039-93-36	93	1	36		Ford
1039-93-45	93	1	45		VW, Audi TDi
1039-95-15	95	1	15		Toyota, Alfa, Ford
1039-96-18	96	1	18		Audi A4, A6 TDI, VW Passat TDI, Renault Laguna
1039-100-15	100	1		15	Isuzu, Mitsubishi
1039-106-15	106	1		15	Fiat Ducato
1039-108-15	108	1		15	Volvo
1039-108-18	108	1	18		Renault Espace, Laguna, Safrane, Traffic
1039-ADAPT	Adaptor 12,5 (1/2) x 10 (3/8)				
1039-SPINNE	Oil filter wrench				

End Cap Oil Filter Wrenches, Black Finish

10 ◘ 3/8

- 1036: for Toyota Diesel
- 1047: for Daihatsu, Toyota, Nissan, Fiat
- 1047: for Daihatsu, Toyota, Nissan, Fiat

PRO+

Item #	Description
1036	End Cap Oil Filter Wrench, black Finish, 99 mm x P15
1046	End Cap Oil Filter Wrench, black Finish, 76 mm x P14
1047	End Cap Oil Filter Wrench, black Finish, 65 mm x P14
1007	Oil Filter Cup Wrench MB, 84 mm x 14pt

End Cap Oil Filter Wrenches, Aluminium Diecast

12.5 ◘ 1/2

- 1041: for VW, Mercedes, BMW, Audi, Opel
- 1042: for Toyota, Nissan, Fiat, Daihatsu
- 1045: for GM, Chrysler

PRO+

Item #	Description
1041	End Cap Oil Filter Wrench, Aluminium Diecast, 74 mm x P14
1042	End Cap Oil Filter Wrench, Aluminium Diecast, 65 mm x P14
1045	End Cap Oil Filter Wrench, Aluminium Diecast, 75 mm x P15

Oil Filter Cap Wrench Set, 65 - 75 mm

12.5 ◘ 1/2

- includes 4 aluminum oil filter cup wrenches
  - 65 mm x 14-kant
  - 67 mm x 14-kant
  - 74 mm x 14-kant
  - 75 mm x 15-kant

Item #
8384

PRO+

Oil Filter Cap Wrench 76 mm x 6 Groove

12.5 ½

- 1/2" and 24 mm 6-pt drive
- suitable for 76 mm oil filters with 6 grooves, installed in:
  Audi A3, A4, A6
  BMW motorcycle
  Citroen C5, Xantia
  Fiat Brava, Bravo, Punto, Tipo
  Ford Fiesta, Escort
  Mercedes Benz cars and Sprinter
  Peugeot 106, 206, 306, 406
  Renault Clio, Kangoo, Megane, Laguna, Rapid
  Honda Accord, Civic, Prelude, CRX
  Opel Astra G / F, Corsa B / B, Corsa, Zafira, Frontera
  Suzuki Grand Vitara 1.9 2009
  VW Golf III & IV, Polo, Passat, Sharan
  Seat Alhambra, Toledo, Leon, Cordoba
  Skoda Octavia
- also suitable for fuel filter on
  Renault Espace, Laguna, R19
  Volvo S40, V40 up to 99
- black coated steel

Item #
8539

PRO+

Oil Filter Cap Wrench for Hyundai / Kia

10 3/8

- suitable for most Hyundai and KIA engines
- 15-pt.
- aluminum
- 3/8" drive

Item #
997

PRO+

Oil Filter Cap Wrench for Toyota

10 3/8

- for most Toyota 1.8 & 2.0l 4 cylinder engines
- installed in Toyota Auris, Corolla, Premio and Prius
- aluminum
- 3/8" drive

Item #
998

PRO+

Oil Filter Cap Wrench Set for Renault dCI Engines

- suitable for Renault 1.5 L, 1.9 L, 2.2 L, 2.5 dCI engines
- also suitable for identical engines in Nissan, Opel and Dacia identical
- 27 mm x 12-pt cup also fits for MB A-Class
- 96 mm x 18-pt cup also fits Audi A4, A6 TDI and VW Passat TDI

Item #
1009

PRO+

3-piece End Cap Oil Filter Wrenches

10 ◘ 3/8

- suitable for following models:
- 27mm 6-pt
  Mercedes, Smart, Cadillac CTS, Sl 2.8L, 3.2L & 3.6L
  SRX, Buick Rendezvous Uitra, Buick LaCrosse CXS,
  Stum L3000, Saab 9-5
- 32mm 6-pt
  Mercedes, GM Opel/Vauxhall, Astra, Corsa, Zafira.
- 36mm 6-pt
  Vauxhall / Opel, Omega DL 16V, Vectra, Zafira 98,
  BMW 16V, Ford Mondec 16V Duratorq,
  Transit 2.5 & 2.0 Dura Torq Diesel, Mercedes 116MB,
  Vito

Item #
1037

PRO+

Universal Filter Wrench

12.5 ◘ 1/2

- universal use for many filters
- spring loaded, self contracting

PRO+

Item #	Description
8395	Universal Filter Wrench, 1/2", 60-80 mm
8396	Universal Filter Wrench, 1/2", 80-98 mm
8390	Universal Filter Wrench, 1/2", 110-140 mm

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

12.5 ◘ 1/2

- heavy duty finish
- with extremely robust 32 chain links

Item #
1033

PRO+

Professional Oil Filter Chain Wrench

12.5 ◘ 1/2

- pro version with duplex chain
- chain width 13 mm
- for every day workshop use
- also for stuck oil filters
- easy handling
- suitable for all steel filter cartridges
  with diameter 60-115 mm

Item #
1002

PRO+

Heavy Duty Oil Filter Chain Wrenches

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

PRO+

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

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

10 ◘ 3/8

- for filters with a diameter between 35-75 mm
- chrome plated

Item #
1031

PRO+

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

10 ◘ 3/8

- for filters with a diameter between 70-120 mm

Item #
1030

PRO

Three Leg Air Filter Wrench, 75-135 mm

12.5 ◘ 1/2

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

Item #
1032

PRO+

Three Leg Oil Filter Wrench, Workshop Quality

12.5 ■ 1/2

- for oil filters and air cleaners
- right and left handed, for tightening and loosening
- for cartridges with an approx. Ø 95 mm - 160 mm
- 60 mm arm length
- extra heavy duty design 1325 g

Item #
1049

PRO+

Renault Oilfilter Wrench

- for Renault EF34 oil filters 76 mm 12-point
- stuck oil filters can be easily loosened due to extra long handle
- suitable for the following models:
  - Renault Twingo R5, Rapid sedan with C, Clio, Kangoo petrol-R12 Espace III, Laguna sedan with F, Megan Kangoo with K Gasoline engines, R21 Espace I + III F Gasoline engines and Traffic with J gasoline engines
  - Ford Diesel 1.8 Motorcraft filter and EFL344
  - Peugeot with Purflux Filter

Item #
8259

PRO+

Oil Filter Wrench for Haldex Clutch

- 46 mm 12-point
- for VW 4-wheel manual transmission

Item #
1048

PRO+

Self Grip Oil Filter Pliers, 53-115 mm

- forged
- nickel plated
- range of jaw: 53-115 mm
- 230 mm long

Item #
1038

PRO+

Oil and Fuel Filter Pliers with Swivel Jaws

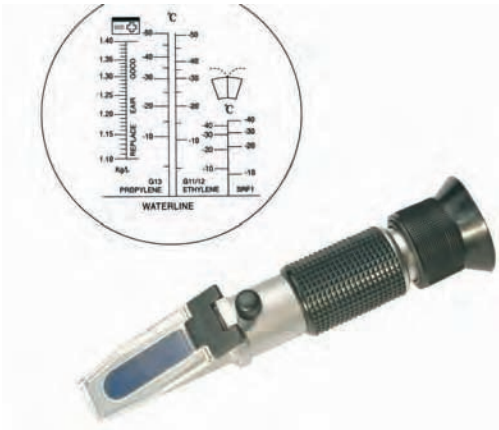
- jaws can be inclined up to 90° in both directions for easy removal of oil and fuel filters
- ideal for loosening filters in hard-to-reach areas that could not be loosened with common oil filter pliers
- jaws adjust in 4 positions every 45°
- can grip filters from 57 mm to 120 mm
- slipping around the filters is avoided by 6 heavy claws on each jaw

Item #
8271

PRO+

Refractometer

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



PRO+

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

Digital Refractometer

- for Propylen Glycol, Ethylen Glycol, battery acid, cleaner
- only 0,3 - 0,5 ml needed for exact digital measurement
- automatic Temperature Compensation
- automatic Shut Off after 3 minutes
- temperature accuracy: ±1°C(2°F)
- temperature resolution: 0.1°C (0.1°F)
- working temperature: 0°C - 40°C (32°F- 104°F)
- storage temperature: -10°C - 50°C (14°F-12°F)
- alarm of Low Voltage & Low power consumption
- conversion between Centigrade and Fahrenheit Degree
- temperature measurement range: 0°C - 40°C (32°F - 104°F)
- operation humidity: lower than 90%.
- operation sea level: lower than 2000m.
- instantaneous reading
- stainless steel sample plate
- dimension : 130 x 70 x 40 mm
- weight: 150g
- power supply: 1.5v AAA+ (8000 operations = 1 battery life)

In storing pocket

Item #
1816

PRO+

Electronic Brake Fluid Tester

- determines the percentage of water in the brake fluid quickly and easily
- immediate indication of the test results via diodes:
  green=- 1,5% water
  yellow: 1,5 - 3% water
  red: >3 % water
- with automatic shutdown
- includes battery

Item #
67240

Professional Brake Fluid Tester

- high accuracy and reliability
- test results are displayed on 4 LEDs
- with protective cap to protect the sensors
- works on a 1.5V AAA battery (included)
- easy to use, switch on, insert sensors into the brake fluid, read result

Item #
67241

Brake Fluid Tester

- 4 LED display for reading the condition of the brake fluid
- warning if battery is empty
- battery: 9V, 6F22, or equivalent

Item #
63525

Boiling Type Brake Fluid Tester

- allows exact measurement of the boiling point as in a laboratary
- measurement by thermal boiling method, the tester boils brake fluid and the determined boiling temperature can be read on the display
- short measurement process: 30 seconds
- 12-volt terminals for connection to the vehicle battery
- measuring directly on the vehicle or via pipette and cup outside of the vehicle
- suitable for all brake fluids on glycolic base (DOT 3, DOT 4, DOT 5.1)
- measuring range: up to 320°C
- the device is recommended by leading vehicle manufacturers and corresponds to the Austrian and Swiss test standards

Item #
67245

PRO+ CE

Digital Light Meter

- high accuracy
- easy to use
- fast measurements
- easy to read display unit
- automatic zero adjustment
- display: 3 1/2 digit LCD, max. 1999
- measurement range: 1 to 50,000 Lux in 3 ranges (2,000 Lux, 20,000 Lux and 50,000 Lux)
- accuracy at the operating temperature of 23C° ±5°C

range	resolution	accuracy
2.000	1 Lux	± (5% +10digits)
20.000	10 Lux	± (5% +10digits)
50.000	100 Lux	± (5% +10digits)

- sampling rate: about 2 times/sec
- sensor: silicon photodiode & filter
- operating environment: 0°C - 40°C, relative humidity max. 70%
- storage environment: -10°C~50°C, relative humidity max. 80%
- overload indication
- battery: 9V, 6F22 or equivalent
- size:
  - sensor unit: 112 x 53 x 16 mm
  - main body: 146 x 70 x 33 mm
- weight: about 210g

Item #
63526

PRO+ CE

Digital Laser Thermometer

- for measuring temperature without touch
- range -20 up to +200° Celsius
- precision 2%
- incl. synthetic leather case, 9V battery

Item #
2190

PRO+ CE

Tachometer

- digital display
- photoelectronic
- measuring range: 1 - 99.999 rpm
- tolerance +-0,05% +1d
- in plastic protection case

PRO+ CE

Item #	Description
2188	Tachometer
2188-1	Reflector strips for BGS 2188

2-way Vacuum Tester

- 2-way: vacuum and pressure
- brake bleeding equipment
- tests of various under / over-pressure systems e.g. Turbo-charge pressure tests
- including manometer up to 4 bar (tolerace +-5%)
- several accessories

PRO+

Item #	Description
8067	2-way Vacuum Tester
8067-1	2-way Vacuum Pump from BGS 8067

Mechanics Stethoscope

- suitable for detecting faults in engines, bearings and other moving parts
- with steel tip

Item #
3535

PRO

Electronic Stethoscope

- facilitates finding the location of noise sources and reduces the diagnosis time
- enables fast and uncomplicated acoustic testing for alternators and other parts of the engine
- headset features a padded headband and ear cups for excellent wearing comfort

Item #
3532

PRO+

Electronic Stethoscope

- the stethoscope allows fast and easy locating of noises and helps to find the cause of a motor problems

PRO+

Item #	Description
3530	Electronic Stethoscope
3530-1	Microphon Main Unit for BGS 3530

Electronic Stethoscope

- easily finds the origin of noises and reduces the diagnosis time
- 1-way amplifier allows fast and uncomplicated acoustic testing for example to test alternators and other parts of the engine
- includes 6-way amplifier and 6 color-coded probes
- allows troubleshooting while driving at various test points
- with alligator clips for easy attaching to the test points
- for mounting on e.g. engine, transmission and axle parts
- headset features a padded headband and ear cups for excellent wearing comfort

Item #
3531

PRO+ CE

Ultrasonic Leak Detector for Gas, Air, Water Tanks

- for a reliable detection of leaks in closed, pressurized and non-pressurized pressure and vacuum tanks
- consisting of ultrasonic transmitter, receiver and headphones
- with visual and audible indication
- frequency response: 40 kHz ± 2 kHz
- operating conditions: Temperature: 0°C to 40°C
- relative humidity: max. 80%
- battery: 9V, 6F22 or equivalent
- size: 192 x 50 x 30mm
- weight: about 115g (including battery)

Item #
63524

PRO+ CE

Digital Stroboscopic Gun for Gasoline Engines

- angle adjustment allows for precise electronic flash of the markers
- especially suitable for engines that have no angle mark on the pulley
- further measurements are possible over the easy-to-read 7-segment display:
  - Dwell at 2, 3, 4, 5, 6 and 8-cylinder engines
  - Voltage and Power Loss Test
  - Motor speed

- specifications:
  - firing angle: 0 to 60 °
  - speed: 200-9990 U /
  - dwell: 0-99,9%
  - voltage: 0 to 30 V

Item #
40106

PRO+ CE

Digital Stroboscopic Gun for Gasoline and Diesel Engines

- angle adjustment allows precise electronic flash of the markers
- especially suitable for engines that have no angle mark on the pulley
- further measurements are possible over the easy-to-read 7-segment display:
  - dwell at 2, 3, 4, 5, 6 and 8-cylinder engines
  - voltage and Power Drop Test
  - engine speed
- **also used for testing at the start of diesel injection**
- signal is picked up by a piezoelectric transducer to be mounted on the diesel line.

- specifications:
  - firing angle: 0 to 60 °
  - speed: 200-9990 U /
  - dwell: 0-99,9%
  - voltage: 0 to 30 V

Item #
40107

PRO+ CE

Oil Pressure Test Kit

- helps to locate faults in the oil pump system
- with many adaptors:
- R 1/8" DIN 2999, 1/8" x 27 NPT,
  ¼" x 18 NPT, 3/8" x 20 UNF, ½" x 20 UNF
  M10 x 10, M12 x 1,5, M14 x 1,5
  M16 x 1,5, M18 x 1,5, 90°
- scale measuring 0 - 10 bar (tolerace +-5%)

PRO+

Item #	Description
8007	Oil Pressure Test Kit
8007-1	Gauge with Valve for Oil Pressure Tester BGS 8007

Oil Pressure Test Set

- suitable for daily workshops use
- always shows the current oil pressure,
  does not lock maximum pressure
- with 2 meter pressure hose and quick coupling
- suitable for the following vehicles:
  Alfa, Audi, BMW, Citroen, Daihatsu, Fiat, Ford
  GM (Vauxhall / Opel), Honda, Hyundai, Isuzu, Jaguar
  Lada, Lancia, Mazda, Mercedes-Benz, Mitsubishi
  Nissan, Peugeot, Renault, Rover, Saab, Skoda
  Subaru, Suzuki, Toyota, Volkswagen, Volvo
- includes the following adapters:
  M10 x 1.0 - M12 x 1.5 - M14 x 1.5 - M16 x 1.5
  M18 x 1.5 - 1/8 " x DIN 2999 - 1/8" x 27 NTP
  1/4" NPT x 27 - 3/8" x 20 UNF - 1/2" x 20 UNF

Item #
8402

PRO+

Fuel Pressure Gauge, 0-8 bar

- all purpose set with precision manometer (0.03-8 bar) (tolerace +-2%)
- for mechanic and electronic fuel injection systems
- 30 adaptors make this set suitable for nearly all european, asian and american car brands, such as: Mercedes, BMW, Audi, Honda, Mazda, Renault, Peugeot etc.
- can be used for nearly all injection systems, e.g.: K-Jettronic, L/LH-Jetronic, Motronic, Motronic-Jetronic, MPFI, TBI, EFI, DIGIFANT 1/2, CIS-Digital, Weber CFI, Spi, Singlepoint, Multipoint
- easy checking of leak tightness, system and control pressure due to 3-way valve

PRO+

Item #	Description
8026	Fuel Pressure Gauge, 0-8 bar
8026-1	Dial Gauge with Connectors for BGS 8026

Diesel Engine Compression Testing Kit

- included various adaptors (for glowplugs and dummy injectors) make this kit useful for many car types
- 1 manometer (0-70 bar) (tolerance +-5%)
- incl. 90° elbow
- suitable for nearly all brands, such as: BMW, Mercedes, Ford, VW, Toyota, Renault, Volvo Mazda, Citroen, Opel, Nissan, Peugeot, Vauxhall
- incl. instruction manual

PRO+

Item #	Description
8008	Diesel Engine Compression Testing Kit
8008-2	Adapter BOSCH for BGS 8008, M10 x 1.0
8008-M10X1.0	Adaptor M10x1, length 119 mm for BGS 8008
8008-M10K	Adaptor M10x1, short for BGS 8008
8008-1	Pressure Meter for BGS 8008

Compressed Air Adapter M14 and M18 for Cylinder Pressure

- for filling the cylinder with commpressed air
- is used when removing valve springs without removing the cylinder head
- for acoustic leak testing of valves, piston rings, head gasket, etc.
- suitable for spark plug threads M18 x 1.5 and M14 x 1.25

Item #
8526

PRO+

Precision Straight Edge, 600 mm

- suitable for engines with up to 6-cylinders
- for using together with a feeler gauge
- material: S50C
- tolerance: - 0.05mm
- dimensions: 600 x 60 x 36 mm

Item #
8397

PRO+

Petrol & Diesel Engine Compression Test Kit

- compression pressure testing
  up to 50 bar (725PSI)
- quick couplings in straight and angled versions
- includes:
  - glow plug adapters for the following manufacturers:
    Alfa, BMW, Chrysler, Daewoo, Fiat, Ford, Hyundai,
    Isuzu, Land Rover, Mazda, Mercedes, Mitsubishi,
    Nissan, Opel, PSA, Renault, Saab, Suzuki, Toyota,
    VAG, Vauxhall and Volvo
  - injector adapters for M20, M22, M24
    and Ford Stanadyne injectors
  - spark plug adapters M10, M12, M14 and M18
- suitable for most cars, trucks, buses, agricultural
  and marine engines

Item #
8400

PRO+

Petrol & Diesel Engine Compression and Leakage Test Kit

- suitable for most petrol and modern HDi, TDCi
  and pump injector engines
- compression pressure testing up to
  50 bar (725PSI) possible
- quick couplings in straight and angled versions, for
  - glow plugs on Alfa, BMW, Chrysler, Daewoo, Fiat,
    Ford, Hyuindai, Izusu, Land Rover, Mazda, Mercedes,
    Mitsubishi, Nissan, Opel, PSA, Renault, Saab,
    Suzuki, Toyota, VAG, Vauxhall and Volvo
  - injector adapters M20, M22, M24
    and Stanadyne injectors for Ford
  - spark plug adapters M10, M12, M14 and M18
- suitable for most cars, trucks, buses, agricultural
  and marine engines
- additional pressure gauge for pressure drop test
- all gauges with rubber protection

Item #
8401

PRO+

9-piece Truck Cooling System Tester

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

Item #
8514

PRO+

Universal Cooling System Test Adapter

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

PRO+

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

24-piece Radiator Pressure and Cooling System Tester

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

PRO+

Item #	Description
8098	24-piece Radiator Pressure and Cooling System Tester
8098-1	Cooling System Charger
8098-2	Rubber Adapter for BGS 8098

14-piece Radiator Pressure Test Kit

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

PRO+

Item #	Description
8027	14-piece Radiator Pressure Test Kit
8027-1	Pump for Radiator Pressure Test Kit Item 8027
8027-2	Thermometer with Sensor for Art. 8027
8027-3	Adaptor No. 3 for Art. 8027, Mercedes-Benz, GM, Jeep
8027-4	Adaptor No. 4 for Art. 8027: Peugeot, Subaru, Chrysler, Nissan u.a
8027-5	Adaptor No. 5 for Art. 8027: Honda, Toyota, Mitsubishi, Chrysler, u.a.
8027-6	Adaptor No. 6 for Art. 8027: Benz (ML), GM
8027-7	Adaptor No. 7 for Art. 8027: Volvo, Saab, Citroen, Peugeot, Renault, Fiat, Alfa, Jeep
8027-8	Adaptor No. 8 for Art. 8027: VW (Vento, T4, Passat-1996, Golf, Beetle, Sharan)
8027-9	Adaptor No. 9 for Art. 8027: Audi, BMW345, VW Passat, Porsche Cayenne
8027-10	Adaptor No. 10 for Art. 8027: BMW (E46,E36,E34,E39,E38,E32,E90)
8027-11	Adaptor No. 11 for Art. 8027: Audi, VW
8027-12	Adaptor No. 12 for Art. 8027: Mondeo, Land Rover, Opel, Jaguar, BMW E60
8027-13	Adaptor No. 13 for Art. 8027: Mercedes (C-Klasse, E-Klasse, S-Klasse)
8027-14	Adaptor No. 14 for Art. 8027: Ford Mondeo, Focus, C-Max03
8027-15	Adaptor No. 15 for Art. 8027: Ford Galaxy, Mazda (M3)
8027-16	Adaptor No. 16 for Art. 8027: Mercedes 1500C.C
8027-17	Adaptor No. 17 for Art. 8027: BMW E60
8027-18	Adaptor No. 18 for Art. 8027: VW Sharan 1.8T 2.8
8027-19	Adaptor No. 19 for Art. 8027: Toyota
8027-21	Radiator Pressure Adapter for Opel Astra J + Zafira C
8027-30	Connector R123/R124 for Art. 8027, black
8027-31	Connector R123/R125 for Art. 8027, blue
8027-32	Plastic Wrench for Art. 8027
8027-33	Hose for Radiator Pressure Test Kit Item 8027

CO2 Leak Detector for Cooling Systems

- contrast agent included (also available separatly)
- can be combined with item # 8027
  (pressure testing kit)

PRO+

Item #	Description
8037	Cylinder Head Leakage Tester
8037-1	Contrast Agent for Leak Detector #8037

6-piece Cooling System Bleeding and Filling Tool

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

Item #
1773

PRO+

Compression Tester, M14 + M18

- suitable for motorcycle and cars with 14 mm or 18 mm spark plug
- 300 mm flexible hose
- large (ø 70 mm) easy to read scale
- scale: 0 - 21 bar / 21,5 kg/cm² / 300 P.S.I.
- blow off valve
- to test engine valve and piston rings
- ! Shut down power of ignition coil before working with this tool !

Item #
8005

PRO+

12 mm Adaptor for Compression Tester Art. 8005

- useful extention for Compression Tester 8005 or 8235
- 12 mm adaptors can be used for Go-Carts, motor saws etc.

Item #
8005-12

M10 Spark Plug Thread Adapter for Compression Tester BGS 8005, 8235, 8236

- suitable for 2- and 4-stroke motorcycle engine
- to use with BGS 8005, 8235, 8236

Item #
8005-10

PRO+

Compression Tester, M12 + M14

- suitable for motorcycle and cars with 12 mm or 14 mm spark plug
- 300 mm flexible hose
- large (ø 70 mm) easy to read scale
- scale: 0 - 21 bar / 21,5 kg/cm² / 300 P.S.I.
- blow off valve
- to probe engine valve and piston rings
- ! Shut down power of ignition coil before working with this tool !

Item #
8236

PRO+

Compression Tester, M10 + M14

- suitable for motorcycle and cars with 10 mm or 14 mm spark plug
- 300 mm flexible hose
- large (ø 70 mm) easy to read scale
- scale: 0 - 21 bar / 21,5 kg/cm² / 300 P.S.I.
- blow off valve
- to probe engine valve and piston rings
- ! Shut down power of ignition coil before working with this tool !

Item #
8235

PRO+

Digital Compression Tester, M10-12-14-18

- testing gauge with digital display
- tolerance +/-1%
- connection hose with double thread M14 and M18
- with two adaptors M12 and M10

Item #
8021

PRO+

7-piece Pressure Loss Testing Kit

- for checking pressure tightness of single cylinders on Diesel and gasoline engines
- includes dial indicator
- adaptor M12 x 1.25 mm for motorbikes
- adaptor M10 x 1.00 mm for motorbikes
- adaptor M24 x 2 mm for Diesel engines
- adaptor M12 x 1.25 mm with 7 mm hole for VW Diesel engines
- adaptor for multi valve engines
- adaptor for M14 x 1.25 and M18 x 1.5 mm
- maximum pressure 6.8 bar / 100 PSI
- before connecting to compressed air system the adjusting valve must be closed. Connect the device to the compressed air system and open the adjusting valve slowly until the pointer reaches the 0-mark!

PRO+

Item #	Description
62645	7-piece Pressure Loss Testing Kit
62645-1	Gauge for BGS 62645

Gear Box Compression Test Kit

- with two manometers for high and low pressure range (tolerace +/- 5%)
- suitable for many gearboxes due to an excessive adaptor assortment

Item #
8028

PRO+

25-piece Carburetor Tester, 0-14 PSI

- for synchronal testing of 2-4 carburetors
- for cars and motor bikes
- 4 manometers, Ø 92.5 mm
- 4 hoses 8 x 5 x 750 mm
- 4 replacements gaskets
- 4 connectors 53 mm (M6x0.75)
- 4 connectors 60 mm (M6x1.00)
- 4 extensions 3.9 x 52 mm
- 4 extensions 3.9 x 122 mm

Item #
62670

PRO+

Coating Thickness Gauge, for Iron Metals

- measures the coating thickness on ironmetal
- digital display with backlight
- one-hand operation
- measuring range: 0 - 40 mils / 0 - 1000 µm
- resolution: 0,1 mils / 0,1 µm
- accuracy:
  +/- 4 dgts (0 - 7,8 mils)
  +/- 7 dgts (0 - 199 µm)
- response time: 1 sec
- auto hold function
- automatic turn-off

delivered with bag, battery, calibration pad & manual

Item #
2193

PRO+

Coating Thickness Gauge, for Iron and Non-Iron Metals

- measures the coating thickness on ironmetal **and non-iron-metal**
- digital display with backlight
- one-hand operation
- measuring range: 0 - 40 mils / 0 - 1000 µm
- resolution: 0,1 mils / 0,1 µm
- accuracy:
  +/- 4 dgts (0 - 7,8 mils)
  +/- 10 dgts (0 - 199 µm)
- response time: 1 sec
- auto hold function
- automatic turn-off

delivered with bag, battery, calibration pad & manual

Item #
2197

PRO+

Paint Thickness Tester

- allows measurements of paint and plastic coating thickness on metal surfaces
- ideal for the vehicle trade, improper bodywork repairs can be quickly found without much effort
- output via 3-color LEDs
  red LED, paint thickness is greater than 1.8 mm
  yellow LED, paint thickness is between 1.0 to 1.8 mm
  green LED, paint thickness is less than 1.0 mm
- comparison measurements are possible on a reference base
- measuring head protected by a removable cap
- weight 50g
- dimensions: 68 x 40 mm

Item #
63535

PRO+ CE

Gas Detector

- detects methane and propane gas
- quick to pinpoint gas leaks
- automatically calibrate when power is on
- auto power off to save battery life
- 5-level LED leak alarm
- over 440mm long flexible probe
- built in earphone jack
- mute function
- probe: Semiconductor
- response time: under 10 seconds
- warm up: max. 60 seconds
- operating temperature: -5°C to 45°C
- measuring range from:
  - methane 120 - 1920 ppm
  - propane 40 - 640 ppm

Item #
2198

PRO+

Video Borescope with TFT Monitor

- 5 x 3.5 cm large monitor with 320 x 234 pixels
- mini color camera with LED lighting
- hard to reach areas can be explored easily:
  the 92 cm long, flexible swan neck is ideal for
  checking pipes and lines in the car or at home
  for damage or corrosion etc.
- the swan neck can be put into liquid up to the mark
  (approx. 95 cm deep)
- dimmable LED camera light
- NTSC video output for PC and TV

- Technical Data:
  Probe diameter: 10 mm
  Bending radius: (max.) 45 mm
  Minimum focusing distance: 30 mm
  Viewing Angle: 54°
  Voltage supply: 4 Mignon batteries AA (not included)
  Protection type: probe IP 67
  Weight: 370 g

- package content: Video-borescope, Workcase, Magnet and
  hook attachment, Video cable, Instruction manual

In carrying case

Item #
63210

PRO+ CE

Video Borescope with LCD Monitor

- 5.9 mm super thin camera lens
- 3,5" large LCD color display
- 100 cm flexible gooseneck
- camera head with 3 LED
- image can be rotated
- AV transmission cable
- IP67 water proof
- incl. 4x 1.5V AA batteries
- nylon storage bag

- optional accessory kit with hook, side view mirror and magnet available under BGS 63246

Item #
63245

PRO+ CE

Side View Mirror, Hook, Magnet for BGS 63245

- hook and magnet for fishing objects
- mirror optics enables a 90° lateral vision
- in plastic box with polyurethane insert

Item #
63246

PRO+

45° Side-View Mirror, Hook, Magnet for Videoscope Art. 63210

- for mounting on video borescope
- with clip fastener
- 45° mirror
- hook
- magnet

Item #
63211

PRO+

Trouble-Code Scanner OBD II

- simply connect the OBD II plug in the diagnosis jack, and the scanner will show you the current failures in seconds
- works with all 2000 petrol cars and 2003 Diesel and newer cars & light trucks that are OBD II compliant (including CAN, VPW, PWM, ISO and KWP2000 protocols)
- reads and clears generic and manufacturer specific diagnostic trouble codes (DTCs) and turns off "check engine light"
- supports multiple trouble code requests: generic codes, pending codes and manufacturer's specific codes
- reviews the emission readiness status of OBD monitors
- retrieves VIN (vehicle identification number) on 2002 and newer vehicles that support Mode 9
- determines the malfunction indicator lamp (MIL) status
- easy-to-read crystal-clear backlit 2-line LCD display
- easy to use with one plug; highly reliable and accurate
- current independent unit
- no need for an additional laptop or computer
- small in size and conveniently fits in your palm
- safely communicates with the on-board computer
- incl. nylon bag, manual, software cd

Item #
63310

PRO+ CE

Electronic Brake Resetting and Diagnostic Device

- range of application
  - EPB / SBC trouble code reading and clearing
  - SBC / EPB system activation and deactivation
  - inspection of brake systems
  - position of rear brake piston must be set before and after changing brake discs & pads
- suitable for:
  - Audi A6/ AS (2004-2012),
  - VW Passat (2005-2012),
  - Mercedes E211/E219 (until 2006)
  - Mercedes S221 (until 2007)
- display: backlight, 128 x 64 pixel display
- operating temperature: 0-60° C
- 9 V cell battery
- dimensions: 209x107x37 mm
- user's manual

Item #
8385

PRO+ CE

Air Condition Leakage Tester

- for easier leak detection on cars, trucks, and other air conditioners
- suitable for refrigerants: R134a, R12, R11, R500, R503, R22, R123, R124, R502, R404a, R125, AZ 50, HP62, MP39
- visual and audible signal upon leak detection
- adjustable sensitivity
- working mode: continuous and no limit
- short reaction time
- size: 22.9 x 6.5 x 6.5 cm
- weight: 560 grams
- power supply: 3V DV (2x 1,5V)
- probe length: 35.5 cm

Item #
8557

PRO+ CE

Air Condition Pressure Gauge

- ideal replacement item for defective gauges on service devices
- can also be used for diagnosis without service devices
- includes high- and low pressure hose and connection hose for service devices
- gauges are protected in an aluminum housing
- shut-off valves for high and low pressure
- with hanging hook

Item #
8425

PRO+

12V Glow Plug Analyser

- reduces the cost for glow plug testing, removing of the glow plugs for testing is not necessary
- test results are shown on LED display
- suitable for testing of 12V glow plugs
- easy to use

Item #
2178

PRO+ CE

Mechanic's Creeper, 103x50x10 cm, with working light

- made from resistant PE material
- max. capacity: 150 kg
- 6 castors Ø 75 mm
- 103 cm length x 50 cm width
- LED working lamp for under car lighting included
- comfortable head rest

PRO+

Item #	Description
2996	Mechanic's Creeper, 103x50x10 cm, with working light
2996-2	Spare Wheel for BGS 2996

Workshop Creeper, 100x51 cm

- heavy duty finish
- ergonomically shaped head rest
- 4 rolling wheels

PRO

Item #	Description
2994	Workshop Creeper, 100x51 cm
2989	Spare Wheel for Item Nr. 2994 + 2996

Workshop Creeper, 100x42x10 cm

- square head metal frame
- blue lacquered finish
- size: 100x42x10 cm
- padded cover
- 6 swivel action casters with ball bearing rubber wheels for easy movement

Item #
2992

PRO

Mechanics Creeper / Seat

- with double ball bearing rolling wheels
- persistant synthetic leather padded cover
- converts easily from creeper to seat and back, adjustable
- size: 120 x 42 cm
- laying height: 120 mm

PRO

Item #	Description
2995	Mechanics Creeper / Seat
2997	Spare Wheel for Item Nr. 2995

Roller Seat

- tool storage tray underneath the seat
- plastic
- black
- with 4 rolling wheels

PRO+

Item #	Description
1919	Roller Seat
1916	Spare Wheel for Item Nr. 1919

Truck Tire Cart

- facilitates the transport of truck wheels
- max. wheel weight 68 Kgs

Item #
9236

PRO

Tire Transport Cart, 200 Kg

- ideal for picking up and transporting sets of wheels
- Tyres are picked up quickly and easily thanks to the adjustable tyre scoops and tilt stop crossbar
- 2 solid rubber tyres Ø 125 mm
- 2 air-filled tyres Ø 260 mm
- solid welded tubular steel frame
- max. scope size: Ø 730 mm
- max. load capacity: 200 kg
- frame height: 1610 mm

Item #
8525

PRO

Digital Tire Depth Gauge

- measuring range from 0,00 - 28 mm
- mm / inch display
- battery included

Item #
1941

PRO+ CE

Rim Bore-Circle Calipers

- for measurements the hole circle on steel and aluminum rims
- greatly facilitates the determination of the hole circle
- suitable for 4 -, 5 -, 6 - and 8-hole rims

Item #
8367

PRO+

1/4" Special Socket for Steel Tire Valves

6.3 ■ 1/4

- facilitates the installation and removal of steel valves
- central stem allows a slipping free loosening and tightening with a torque wrench
- suitable for example for aluminum rims, rims of vans and mobile homes
- recommended by steel valve manufacturers to prevent pressure loss

Item #
8311

PRO+ CV

50-piece Wheel Balancing Weights, 12 x 5 g

- 12 weights of 5g each
- material: steel with anti-corrosion coating
- self-adhesive

Item #
8426

PRO+

Wheel Balancing Weight Pliers, 240 mm

- chrome plated
- insulated handles

Item #
1539

PRO+

Loosening Tool for Wheel Nut Covers

- Wheel nut caps can be removed without damaging the rims
- especially suitable for aluminum rims
- gripping claws made of spring steel
- T-handle for easy working

Item #
8257

PRO+

14-piece Tire Valve Repair Kit

- 1 pencil gauge with key chain
- 1 thread repair cutter
- 4 plastic caps
- 4 chrome plated hex caps
- 4 valve inserts

In assortment box

Item #
3272

PRO+

Thread Tap for Tire Valves

- suitable for car tire valves
- features:
  - turning out of valves
  - recutting of valve threads

Item #
8453

2-piece Tire / Valve Tool

- for the assembly of valves
- length: 130 mm

Item #
1536

Valve Core Torque Tools

- for screwing in rubber-sealing valves
- no more overwinding, no more damaged seals
- accoustic alert when reaching the max. torque

Item #	Description
1550	Valve Core Torque Tool 0.25 NM
1551	Valve Core Torque Tool 0.45 NM

Tire Valve Installer

- plastic, perfect for aluminium rims
- length 285 mm

Item #
1538

Tire Valve Shaft Assembly Tool

- easy assembly of new valves into the valve hole of the rim of tubeless tyres
- length: 310 mm
- suitable for all sorts of rims

Item #
1535

Edge Protection Set, 150 mm

- prevents rim damage when mounting tires
- suitable for motocycle and car rims
- with cord against loss

Item #
8504

PRO+

Car Tire Booster

- tire booster helps filling tires with loose beads as a result of e.g. prolonged storage
- max. pressure: 11 bar, limited by safety valve
- tank capacity: 20 l
- weight: ca. 13 kg
- dimensions: Ø 260 mm x width 420 mm x height 300 mm (filling cone excluded)

Item #
8365

PRO+

Tire Pressure Gauge

- ABS
- scale reads 10-75 Psi / 0,5 - 5,5 kg/cm²

Item #
2102

PRO

Digital Tire Pressure Gauge

- testing range: 0,35 - 7,00 BAR
- display reads in: BAR, PSI, kPA, kg/cm²
- tolerance 1psi / 0,07 bar

Item #
2101

PRO CE

Dead Blow Bumping Hammer

- blow-back proof due to steel balls in the head of the mallet, therefore stronger impact
- especially for loosening stuck rims when changing tires

- Art. 1968: standard weight, for cars
- Art. 1876: extra heavy duty, for trucks and SUV

PRO

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

Four-Way Wheel Wrench for Cars, DIN 899

- chrome plated
- with polished sockets
- hardened and forged
- arm length 355 mm
- 16 mm Ø
- 17x19x 22x13 /16"

Item #
1455

PRO+

Four Way Wheel Wrenches

- chrome finish
- hardened
- one side with 4 pt. for sockets

PRO+

Item #	Description
1459	Four-Way Wheel Wrench for Cars, 17x19x21x1/2" 4pt. Head
1457	Four-Way Wheel Wrench for Trucks, 24x27x32x3/4" 4pt. Head

Four-Way Wheel Wrenches

- higher torque through adjustable joint

PRO+

Item #	Description
1456	Four-Way Wheel Wrench for cars, foldable, 17x19x21x1/2" square
1458	Four-Way Wheel Wrench for trucks, foldable, 24x27x32x3/4" square

Expert Tube Cutter, up to 35 mm Ø

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

PRO+

Item #	Description
1819	Expert Tube Cutter
1819-1	Spare Blade for Professional Pipe Cutter BGS 1819

Pipe Cutter, 4-28 mm

- for copper pipes
- with spring for adjusting the cutting wheel contact pressure
- with one spare blade
- not suitable for steel pipes

Item #
8344

PRO+

Pipe Cutter, 3 - 25 mm

- solid construction
- fine adjustment spindle
- suitable for aluminum, copper, steel pipes
- with deburrer

PRO+

Item #	Description
8341	Pipe Cutter, 3 - 25 mm
8341-1	Replacement Cutter for 8341

Pipe Cutter, 3 - 25 mm / 1/8" - 1"

- heavy duty
- fine adjustment spindle to adjust the cutting roller pressure
- suitable for aluminum, copper, steel pipes

PRO+

Item #	Description
8340	Pipe Cutter, 3 - 25 mm / 1/8" - 1"
8340-1	Replacement Cutter for 8340

2-in-1 Inner-Outer Copper Pipe Cleaning Brush

- inner cleaning up to 15 mm
- outer cleaning up to 22 mm

Item #
8342

PRO+

Tube Bending Pliers, 4.75 + 6 mm

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

Item #
8229

PRO+

Tube Bending Tool 3 - 4.75 - 6 mm

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

Item #
8228

PRO+

Bending Pliers, for Metal Pipes, 4-6-8-10 mm

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

Item #
3061

PRO+

Tube Bender, for 6-8-10 mm Pipes

- 3-hole
- up to 180°
- for aluminium tubes
- minimum bending radius: approx 25 mm

Item #
3062

PRO

Plastic Scrapers

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

PRO+

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

4-piece Plastic Scraper Set, 19-22-25-38 mm

- ideal for the removal of glued weights on aluminium rims (motorcars and motorbikes)
- suitable for removing glued protective strips on a car's body
- blade can be sharpened

Item #
366

PRO+

Scraper, Stainless Steel, solid Rubber Grip Handle

- blade width: 30 mm
- blade length: 105 mm

Item #
3063

PRO+

4-piece Allround Scraper Set

- solid, ergonomically shaped rubber grip handle with hanging hole
- 1 scraper blade size: 94 mm x 1,1mm thick x 31mm wide
- 1 scraper blade size: 94 mm x 2,4mm thick x 31mm wide
- 1 scraper blade size: 43 mm x 2,4mm thick x 20mm wide
- 1 scraper blade size: 43 mm x 1,1mm thick x 20mm wide

Item #
363

PRO+

Gasket Scraper, 280 mm

- for cleaning cylinder head / valve cover and carburetor cover gaskets
- blade size: 23mm wide

Item #
3085

PRO+

14-piece Windshield Removal Tool Kit

Kit has all tools needed to cut the vinyl adhesive
and urethane around windshield.
Contents:
- 600 mm weather strip cutting knife
- 300 mm weather strip cutting knife
- 3-piece replaceable blade pinchweld scraper (3/4" - 5/8" - 1/2")
- extra wide pinchweld scraper
- 72 feet Triangle wire
- 2-piece Wire gripping handles
- Windshield removal tool
- Hex wrench
- Wire feeder tool
- Trim pad remover
- Windshield moulding release tool

Item #
69500

PRO+

7-piece Windscreen Removal Set

- for bonded/sticked windscreens
- panel-removal tool with handle 275 mm
  - piercing awl 350 mm
  - 2 handles for cutting wire
  - 1.80 m cutting wire
  - double hook handle 240 mm
  - pull scraper with handle and pull rope

Item #
8004

PRO

2 Handles for Windscreen Cutting Wire (from Item # 8004)

Item #
8003

PRO+

5-piece Windscreen Assembly Set

- for not bonded / sticked windscreens
- includes the following tools:
  - role handle for easy redirect of the rope
  - ball handle 210 mm, angled for non-destructive lifting the sealing rubber
  - hook handle 210 mm, 45° angled and hook handle 270 mm, 90° angled, facilitated the installation of the sealing rubber
  - guide handle 220 mm, for tracking the installation rope
  - installation rope 6.0 m

Item #
8002

4-piece Windscreen Removal Set

- 2 handles
- 22 m triangle windscreen cutting wire, stainless
- 1 int. hex. key for adjusting the wire

Item #
8022

Square Window Cutting Wire, 50 m

- stainless
- use along with item # 8003 (handles) + 8022

Item #
8006

Bonded Windscreen Removal Tool for Removing bonded/sticked Car Windows

- aluminium handle
- hardened blade

Item #
7999

Spare Blade for Item # 7999

Item #
8001

Wire-Through Testing Probe, T-Handle

- stainless steel tube (length approx. 100 mm) for pushing through the cutting wire
- aluminium handle

Item #
67200

PRO+

Parting Awl, 320 mm

- adapts to curved surfaces, making it easier to insert wires in vehicles with deep cockpits
- wire insertion is made easier by the fork opening
- made of stainless steel
- slotted head
- T-handle for easy operation

Item #
67202

PRO+

Car Windshield Removal Tool

- suitable for all bounded car windshields
- long angled shaft reduces the risk of damaging the car interior
- ergonomically shaped nylon handle
- wire is clamped by screw

Item #
67201

PRO+

3-piece Hose Clamping Pliers Set

- all metal body
- flexible jaws
- sizes:
  - max. opening 18 mm, 205 mm long
  - max. opening 20 mm, 245 mm long
  - max. opening 32 mm, 305 mm long

Item #
1718

PRO+

CLIC-L Hose Clamp Pliers

- disassembly and assembly of Clic-L hose clamps
- suitable for VW-Audi, Citroen, Mercedes Opel (Vauxhall), Peugeot, etc.
- hardened jaws
- chrome plated handle
- length 175 mm

Item #
8347

Hose Clip Pliers, 245 mm

for compressing clips (oetiker system), for example on:
- fuel lines, coolant lines
- axle boots

Item #
466

Bent Hose Clip Pliers for CLIC & CLIC-R Clips

- 190 mm long
- turnable jaws

Item #
471

CLIC-L Hose Clamp Pliers

- allows easy and fast unlocking and locking of clipped, reusable hose clamps
- length: 150 mm

Item #
8470

Pliers for Ear-Type Clamps

- allows a professional squashing of ear-type hose clamps
- length: 240 mm
- dip coated handles

Item #
8359

PRO+

Ratcheting Bent Hose Clip Pliers

- length 220 mm
- nickel plated handles

Item #
477

PRO+

Hose Clip Pliers

- for solving hose clamps
- also suited for solving hoses
- 2-step adjustable
- serrated gripping jaws for better grip
- non-slip handle

Item #
8409

PRO+

Ratcheting Hose Clip Pliers, 200 mm long

- for spring band clips
- interchangeable jaws (2 pairs)

Item #
473

PRO+

Hose Clip Pliers with Bowden Cable

- universal handtool for installation and removal of 18-54 mm long elastic collars, even in narrow spaces (due to the bowden cable)
- black finish with red plastic handles
- length 630 mm

PRO+

Item #	Description
470	Hose Clip Pliers with Bowden Cable
47	Spare bowden Cable for Item Nr. 470

Hose Clamp Pliers for VAG 2.0 TDI

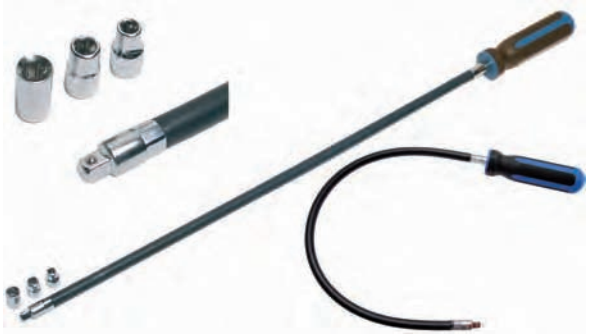
- suitable for new style hose clamps, as built into VAG 2.0 TDI engine
- also suitable for tight spaces because of bowden cable operation
- hose clamp has a locking function and release button

Item #
66120

PRO+

Flexible Hose Clamp Screwdriver

- 500 mm
- 1/4" drive
- incl. 3 sockets 4-5-7 mm



Item #
7824

PRO+

Hose Clamp Pliers For Torque Wrench Operation

10 ■ 3/8

- forged Steel
- suitable for stainless steel hose clamps
- simply adjust the required torque using a torque wrench on the 3/8" square

Item #
163

PRO+

CV-Joint Boot Pliers

- universal use: works on steering gear gaiters, fuel hoses on VAG, Opel, BMW, Mercedes-Benz, Honda, Nissan, Mazda etc.
- for working on Oetiker System hose clamps
- nickel plated
- length 235 mm

Item #
161

PRO+

Spring Clamp Pliers for Fuel Lines

- suitable for Audi, Seat, Skoda and Volkswagen
- especially suitable for spring clamps on fuel lines
- facilitates the dismantling and assembly of small spring clamps
- hardened, warp-free claw
- with spring

Item #
66102

PRO+

Hose Stripping Pliers, 200 mm

- suitable for tube diameter 4 to 13 mm
- length 200 mm
- PVC dipped insulated handles

Item #
486

PRO+

Hose Clip Pliers

- for clamping coolant, brake fluid and fuel lines
- adjustable

PRO+

Item #	Description
1715	Hose Clip Pliers, 150 mm
1716	Hose Clip Pliers, 200 mm
1717	Hose Clip Pliers, 250 mm

3-piece Hose Clip Pliers Set, 155-250 mm

- for coolant, brake fluid and fuel lines
- sizes: 155, 185, 250 mm
- adjustable

Item #
1815

PRO+

Expert Hose Clamps

- for clamping fuel lines and other plastic hoses
- with spinning metal frame

PRO+

Item #	Description
1825	Expert Hose Clamps, Diameter 10 mm
1826	Expert Hose Clamps, Diameter 15 mm
1827	Expert Hose Clamps, Diameter 25 mm
1828	Expert Hose Clamps, Diameter 45 mm

4-piece "Expert" Hose Clamps Set

- 4 sizes for various Ø up to 15 / 20 / 30 / 65 mm Ø
- stops fluids within the hose

Item #
1823

PRO+

8-piece Hose Locking Pliers Set

- for locking hoses during repair jobs
- prevents spillage and leakage of operation liquids
- for e.g. brake hoses, air conditioning hoses, power steering hoses
- contains 8 line stoppers

Item #
1721

PRO+

5-piece Hose Locking Set

- for locking the brake lines and hoses with Banjo fitting during repair jobs
- prevents spillage and leakage of operation liquids
- for e.g. brake hoses, air conditioning hoses, power steering hoses
- contains 2 locking pliers and 3 locking clips, suitable for 3 different hose diameters (internal diameter 5 mm - 6.3 mm - 8 mm)

Item #
1719

PRO+

Flexible Hexagon Screwdrivers, especially for Clamps

- hexagon reception
- mainly for operating hose clamps
- anti slip handle

PRO+

Item #	Description
7826	Flexible Hexagon Screwdriver, Length 280 mm, 6 mm
7827	Flexible Hexagon Screwdriver, Length 280 mm, 7 mm
7828	Flexible Hexagon Screwdriver, Length 280 mm, 8 mm

Hose Clip Installation Tool

- for tighteneing hose clips
- with cutter
- operated via 13 mm socket

Item #
1521

PRO+

Adjustable Hose Remover, Ø 45-120 mm

- perfect for removing cooling hoses
- small teeth inside jaws hold even oily hoses firmly
- with cable for more pulling power

Item #
487

PRO+

Adjustable Hose Remover, Ø 24-53 mm

- perfect for removing cooling hoses
- small teeth inside jaws hold even oily hoses firmly
- with cable for more pulling power

Item #
492

PRO+

2-piece Generator Socket 1/2", T50x110

12.5 ½

- length 110 mm
- for Mercedes Benz A-class
- 33 tooth pulley holder

Item #
4240

PRO+ CV

2-piece Generator Socket 1/2" XZN M10x110, Spline

12.5 ½

- length 110 mm
- for VW, Audi, Skoda, Seat, Porsche, BMW, Ford, Mercedes
- 33 tooth pulley holder

Item #
4245

PRO+ CV

6-piece Impact E-Type / 12-point Socket Set, 3/4"

20 ¾

- suitable for impact wrenches, length 110 mm
- E18-20-22-24 + 17 and 19 mm 12-point sockets
- fits truck cylinder head screws, e.g. MB 300-400-420-500-900; MAN M 2000, F90, F8, D20, D25, D28

PRO+ CRO MO

Item #	Description
5250	6-piece Impact E-Type / 12-point Socket Set, 3/4"
5346	3/4" Impact Socket, deep, 19 mm
5345	3/4" Impact Socket, deep, 17 mm
5349	3/4" Impact Socket, E24 x 110 mm
5348	3/4" Impact Socket, E20 x 110 mm
5347	3/4" Impact Socket, E18 x 110 mm

E-Profile Socket 1/2", E12x150 mm, for BMW Cylinder Head

12.5 ½

- spring ball joint
- suitable for:
  engine M42 1,8 l 4-cyl., 16V
  model 318is 1989-
  engine M50, 2,0 l 2,5 l 6 cyl., 24V
  model 520i, 525i 1991-

Item #
2020

PRO+ CV

3-piece Special Socket Set for BMW Rim Locks

12.5 ½

- sizes:
  17T x 14,5 mm
  10T x 16,0 mm
  21T x 16,5 mm

Item #
5285

PRO+ CRO MO

Pipe Wrench, for Mercedes-Benz W204 Bumpers, 1/4"

6.3 ◘ 1/4

- 10 mm 6-pt. Pipe Wrench
- chrome plated

Item #
8479

PRO+

Door Hinge Mounting Tool Set

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

Item #
8415

PRO+ CV

Oxygen Sensor Wrench, 22 mm

- length: 250 mm
- slotted, angled head with hexagon and double hexagon drive
- chrome plated

Item #
8272

PRO+

Special Wrench for VW / Audi V6 and TDI Turbo Chargers

- wrench for assembly and disassembly of turbo chargers
- facilitates assembly of hard-to-reach screws
- 12 mm hex wrench with 12-pt and 3/8" drive
- depth 85 mm, length 99 mm

Item #
1004

PRO+ CV

7-piece 3/8" Slotted Special Socket Set

10 ◘ 3/8

- hardened
  satin chrome plated
- slotted sockets in 10, 11, 12, 14, 17 and 19 mm
- for the assembly of top and side wired temperature sensors, thermo switches and other components
- also suitable for nuts and bolts of bent pipes
- the slot width is: 7.4 mm, 8.8 mm, 9.1mm, 10.5 mm, 13.3 mm und 14.4 mm
- on socket rail

Item #
1105

PRO+ CV

Special Socket Set 12-19 mm

12.5 ◘ 1/2

- especially suitable for pipeline fittings
- no widening because foot has special profile
- sizes 12,14,16, 17,18 and 19 mm with 1/2" drive
- angled, slotted socket with double hexagon
- length: 98 mm

Item #
1300

PRO+

Air Conditioner Tool Set

- contains all tools for fittings on air conditioning systems
- a useful supplement for item 8036
- special sockets for 2.2 and 3.2 mm fixed throttles
- 2 special 8-pt. sockets 12 and 15 mm
- TS-(5-Star-Profil) bits for loosening flanges etc: TS10, TS15, TS20, TS25, TS27, TS30 und TS40

Item #
2275

PRO+ CV

17-piece Screw and Stud Extractor Set

10 ◘ 3/8

- solves problems with rounded or torn off sockets and bolts
- contains:
  - 5 screw extractors for left side thread for loosening damaged internal hex screws
  - 4 stud sockets 6 - 8 - 10 - 12 MM
  - 8 special Zig Zag sockets for loosening rounded off hexagon nuts 9-10-11-12-13-14-16-19 mm (also used to tighten screws)
- drive: 3/8"
- all tools made of chrome molybdenum steel

Item #
8378

PRO+ CRO MO

4-piece Special 1/2" Socket Set

12.5 ▪ 1/2

- ideal for loosening of heavily damaged screws and nuts
- especially for wheel nuts, locking nuts, etc.
- sizes 17-18,5-21,5-26 mm

In metal case

Item #
5260

PRO+ CRO MO

10-piece Special Twist Socket Set, 10-19 mm, 3/8"

10 ▪ 3/8

- black bronzed surface
- for loosening damaged screws and nuts
- suitable for impact screwdrivers
- **the innovative spiral profile digs itself into the head of a damaged screw/nut and thereby allows to loosen it securely**
- sizes: 10-11-12-13-14-15-16-17-19 mm
- single sizes available under Item# 5270-5279

PRO+ CRO MO

Item #	Description
5265	10-piece Special Twist Socket Set, 10-19 mm, 3/8"
5270	3/8" Special Socket, 10 mm
5271	3/8" Special Socket, 11 mm
5272	3/8" Special Socket, 12 mm
5273	3/8" Special Socket, 13 mm
5274	3/8" Special Socket, 14 mm
5275	3/8" Special Socket, 15 mm
5276	3/8" Special Socket, 16 mm
5277	3/8" Special Socket, 17 mm
5278	3/8" Special Socket, 18 mm
5279	3/8" Special Socket, 19 mm

10-piece Special Twist Socket Set, 10-19 mm, 1/2" Drive

12.5 ▪ 1/2

- black bronzed surface
- for loosening damaged screws and nuts
- suitable for impact wrenches
- **the innovative spiral profile digs itself into the head of a damaged screw/nut and thereby allows to loosen it securely**
- sizes: 10-11-12-13-14-15-16-17-19 mm

PRO+

Item #	Description
5266	10-piece Special Twist Socket Set, 10-19 mm, 1/2" Drive
5266-10	Special Twist Socket, 10 mm
5266-11	Special Twist Socket, 11 mm
5266-12	Special Twist Socket, 12 mm
5266-13	Special Twist Socket, 13 mm
5266-14	Special Twist Socket, 14 mm
5266-15	Special Twist Socket, 15 mm
5266-16	Special Twist Socket, 16 mm
5266-17	Special Twist Socket, 17 mm
5266-19	Special Twist Socket, 19 mm

16-piece Special Twist Socket Set, 8-27 mm, 1/2"

12.5 ◘ ½

- black bronzed surface
- for loosening damaged screws and nuts
- suitable for impact screwdrivers
- **the innovative spiral profile digs itself into the head of a damaged screw/nut and thereby allows to loosen it securely**
- sizes: 8-10-11-12-13-14-15-16-17-19-21-22-24-27 mm

Item #
5269

PRO+ CRO MO

Special Twist Socket Set, 1/2"+3/4"

20 ◘ ¾ 12.5 ◘ ½

- black bronzed surface
- for loosening damaged screws and nuts
- suitable for impact screwdrivers
- **the innovative spiral profile digs itself into the head of a damaged screw/nut and thereby allows to loosen it securely**
- sizes: 1/2": 22-24-27-32 3/4": 36-41 mm
- single sizes available

PRO+ CRO MO

Item #	Description
5268	6-piece Special Twist Socket Set, 22-41 mm, 1/2"+3/4"
5268-22	1/2" Special Twist Socket, 22 mm
5268-24	1/2" Special Twist Socket, 24 mm
5268-27	1/2" Special Twist Socket, 27 mm
5268-32	1/2" Special Twist Socket, 32 mm
5268-36	3/4" Special Twist Socket, 36 mm
5268-41	3/4" Special Twist Socket, 41 mm

1/2" Special Twist Sockets, 150 mm long

12.5 ◘ ½

- black bronzed surface
- for loosening damaged screws and nuts
- suitable for impact wrenches
- **the innovative spiral profile digs itself into the head of a damaged screw/nut and thereby allows to loosen it securely**
- sizes in set: 17 - 19 - 21, incl. tommy bar

PRO+ CRO MO

Item #	Description
5264	4-piece 1/2" Special Twist Socket Set, deep type
5264-17	1/2" Special deep Twist Socket, 17 mm
5264-19	1/2" Special deep Twist Socket, 19 mm
5264-21	1/2" Special deep Twist Socket, 21 mm
5264-22	1/2" Special deep Twist Socket, 22 mm
5264-TB	Pin Punch for Twist Sockets

5-piece 1/2" Special Twist Socket Set, 150 mm long

12.5 ■ 1/2

- black bronzed surface
- for loosening damaged screws and nuts
- suitable for impact wrenches
- **the innovative spiral profile digs itself into the head of a damaged screw/nut and thereby allows to loosen it securely**
- sizes: 17 - 19 - 21 - 22 mm, incl. tommy bar

Item #
5262

PRO+ CRO MO

5-piece Special Twist Socket Set, 8-16 mm, 1/2"

- 8-10-12-14-16 mm
- black bronzed surface
- for loosening damaged screws and nuts
- suitable for impact wrenches
- the innovative spiral profile digs itself into the head of a damaged screw/nut and thereby allows to loosen it securely

Item #
5261

PRO+ CRO MO

6-piece Special Twist Socket Set, 2-10 mm, 3/8"

10 ■ 3/8

- 2-3-4-6-8-10 mm
- for loosening damaged screws and nuts
- the innovative spiral profile digs itself into the head of a damaged screw/nut and thereby allows to loosen it securely

Item #
5281

PRO+ CRO MO

7-piece Special Twist Sockets Set, 6-14 mm, 1/4" hex.

6.3 ■ 1/4

- 1/4" hex. shaft : fits every standard drill shaft
- sizes: 6, 8, 10, 11, 12, 13, 14 mm
- black finish
- for loosening defective nuts & screws
- innovative thread gets stucked in nuts & screws and allows safe loosening

Item #
5267

PRO+ CRO MO

Spreader Socket for Spring Strut Clamp

12.5 ½

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

PRO+ CV

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

E Type Sockets with 30 mm hex. drive

- with retaining ball
- length approx. 40 mm
- 30 mm hex. drive

- E20 - BGS 6451
- suitable for MAN TGL brake caliper

- E24 - BGS 6452
- suitable for MAN TGL brake caliper

PRO+ CV

Item #	Description
6451	E20 E-type Socket with 30 mm hex. drive
6452	E24 E-type Socket with 30 mm hex. drive

Multi-Point Socket for Mercedes Injection Pumps, 33 teeth

12.5 ½

- for mounting and dismounting of injection pumps
- suitable for Mercedes-Benz models: 601, 602, 603, 605, 606, 615, 616 and 617

Item #
5350

PRO+ CV

Butterfly Sockets with Ratchet Locking Function

- can be released by pushing a button on the side
- suitable for pipe coupling
- fully hinged, so that it can encompass pipes
- each wrench fits several socket sizes

PRO+ CROMO

Item #	Description
1382	Butterfly Socket, 3/8", 11 - 16 mm
1383	Butterfly Socket, 3/8", 17 - 24 mm

4-pc. Butterfly Socket Sets

- applications: hydraulic piping, A7C piping, plumbing, pipe nuts, tie rod ends, O2 sensors and diesel injectors
- locks the two interlocking halfs of the socket when the square drive is in place
- sockets fit both metric and inch size fasteners
- unique nut drive surfaces enable even damaged or worn nuts to be operated with confidence
- flat square drive socket design allows for use where access cannot be gained using conventional sockets
- to be used witch ratchet, torque ratchet or pry bar
- contains sizes (Item 1380):
  11,2 mm (7/16) 12-13 mm (1/2)
  14 mm (9/16) 16 mm (5/8)
- contains sizes (Item 1381):
  17-18 mm (11/16) 19-20 mm (3/4)
  21-22 mm (13/16 - 7/8) 23-24 mm (15/16)

PRO+

Item #	Description
1380	4-pc. Butterfly Socket Set, 11.2-16 mm
1381	4-pc. Butterfly Socket Set, 17-24 mm

VAG 4WD Drive Shaft Socket

20 ■ 3/4

- suitable for drive shaft nut on 6-speed gearbox 0A3 (4WD)
  to be used as OEM T40097
- to be used e.g. on:
  Audi A4 2001+, Audi A6 2005+
- 3/4" drive
- length: 124 mm

Item #
8572

PRO+

Pin Socket for Mercedes-Benz M-Class Joints

12.5 ■ 1/2

- suitable for suspension ball joints on front and rear axles
  on Mercedes-Benz M-Class W163 and W164
- flat type

Item #
8575

PRO+ CRO MO

Groove Nut Sockets for MB Rear Axle

20 ◘ ¾

- made according to DIN 3121 / ISO 1174
- high accuracy
- extremely robust construction
- suitable for high tightening and loosening torque
- stud: 6 pcs.
- stud width: 10 mm
- weight: 2.6 kg

BGS 8268
- suitable for Mercedes Benz Actros rear axles, HL/HL 8 (Hypoid) etc.
- inner diameter: 105 mm
- outer diameter: 125 mm
- height: 182 mm
- stud diameter: 115 mm

BGS 8269
- suitable for Mercedes Benz Atego rear axles, Vitaro 814, MAN, etc.
- inner diameter: 80 mm
- outer diameter: 95 mm
- locating tube diameter: 49 mm
- height: 185 mm
- stud diameter: 87 mm

PRO+ CRO MO

Item #	Description
8268	Groove Nut Socket, MB Actros, 105 - 125 mm
8269	Groove Nut Socket, MB Atego, 80 - 95 mm

Grooved Nut Wrench

- made from heavy duty steel
- for professional truck repair
- for more details about each socket please visit our website and enter the repective item#

PRO+

Item #	Description
5420	Pin Wrench Socket For Ball Joint, Mercedes M-Class
5421	Transmission Clutch Front Main Shaft Socket 72/80 mm

11-piece Special Socket Set for Grooved Nuts, 22-75 mm

12.5 ◘ ½

- for gentle loosening groove nuts
- suitable for e.g. bearing nuts
- 1/2" drive, length 60 mm

	all dimensions in mm		
insideØ D2	outsideØ D1	tooth width ZB	tooth length ZL
15.5	22.0	3.3	5.8
18.5	26.0	3.8	5.8
21.5	30.0	4.3	5.8
25.0	33.0	4.0	4.8
27.5	37.0	4.8	4.8
33.5	44.0	5.3	4.8
38.5	50.0	5.8	3.8
44.5	56.0	5.8	3.8
50.5	63.0	6.3	3.8
55.5	69.0	6.8	2.8
61.5	75.0	6.8	2.9

Item #
8265

PRO+

10-piece Special Socket Set with Inside Tooth for Grooved Nuts, 26-88 mm 12.5 ½

- for gentle loosening groove nuts
- suitable at e.g. bearing nut
- 1/2" drive, length 60 mm

all dimensions in mm

inside Ø D2	outside Ø D1	tooth width ZB	tooth length ZL
20.0	26.0	2.8	2.5
23.5	31.0	2.8	3.0
26.5	34.0	3.8	2.5
29.5	38.0	4.8	2.5
34.5	42.0	3.8	3.5
40.5	50.0	4.8	3.5
46.5	58.0	4.8	4.0
59.5	75.0	5.8	4.5
65.8	82.0	5.8	5.0
71.8	88.0	5.6	5.0

Item #
8266

PRO+

5-piece Groove Nut Socket Set

12.5 ½

- suitable for Mercedes differential, gear and rear axle flange
- for Mercedes series 107 - 114 - 115 - 116 - 126 etc.
- allows gentle loosening and tightening using a torque wrench
- 1/2 "drive

Item #
67220

PRO+

Special Wrench for Shock Absorber with Oval Pins

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

Item #
1301

PRO+

Pin Wrench for Shock Absorber Screwing, Mercedes

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

Item #
8307

PRO+

4-piece Spring Strut Set

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

Item #
1111

PRO+

Suspension Strut Socket, for Use with 22 mm Socket

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

Item #
155

PRO+

39-piece Suspension Tool Kit

- for counterholding the piston rod while loosening
- includes the following tools:
  - 6-pt. sockets, long, for loosening 14-16 - 17 - 18 - 19 - 21 - 22 - 24 and 27 mm
  - 2-tap sockets for loosening 10,5 - 12.5 - 14.0 and 14.5 mm
  - slot-profile socket for counterholding 4 to 5.2 - 6 - 6.3-7 - 8 - 9 - 10 and 12 mm
  - D-profile bits for counterholding 5 and 10 mm
  - 6-pt. sockets for counterholding 8 - 9 - 10 and 11 mm
  - 6-pt. bits for counterholding 5 - 6 - 7 and 8 mm
  - slotted bits for counterholding 3 - 3.5 and 4 mm
  - XZN bit M12
  - T-profile bits for counterholding T50 and T60

PRO+

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

Spring Strut Tool Set

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

Item #
2087

PRO+ CV

Stud Extractor

- suitable for damaged or broken studs with a diameter 6,3 to 14 mm (1/4" to 9/16")
- adjustable via 19 mm socket

Item #
1903

PRO+

Stud Extractor, 6 - 12 mm

- allows a fast dismantling and mounting of studs
- chuck is suitable for 6 - 12 mm studs
- 36 mm 6-pt. chuck
- drive: 24 mm or 1/2"

Item #
8576

PRO+ CV

Stud Extractors

12.5 ■ ½

- knurled

PRO+ CV

Item #	Description
1883	Stud Extractor, 6 mm
1884	Stud Extractor, 8 mm
1885	Stud Extractor, 10 mm
1886	Stud Extractor, 12 mm

4-piece Stud Extractor Set

12.5 ½

- sizes: 6-8-10-12mm
- 1/2" drive

Item #
1882

PRO+ CV

11-piece Stud Extractor Set

12.5 ½

- in sizes: 5 - 6 - 7 - 8 - 9 - 10 - 10,5 - 11 - 12 - 14 - 16 mm
- all sockets with outer hexagon for optional operating with open end wrench

Item #
65515

PRO+ CV

5-piece Stud Extractor Set

- contains:
  - 1 double ring ratchet wrench 14 x 17 mm, reversible
  - 4 stud sockets for automatic clamping of studs 6, 8, 10 and 12 mm

Item #
65505

PRO+ CV

Stud Extractor Set

- fitting thread sizes M5-6-8-10
- worldwide exclusive system without radial pressure on the bolt

Item #
1879

PRO+

Hook Wrench with flexible Jaw

- **special steel**
- **black finish**
- for slotted/grooved nuts (DIN 1804) and for adjusting stirring head bearings
- range of jaw: 35-60 mm
- overall length 175 mm

Item #
1226

PRO+

Face Pin Wrench, adjustable, 180 mm

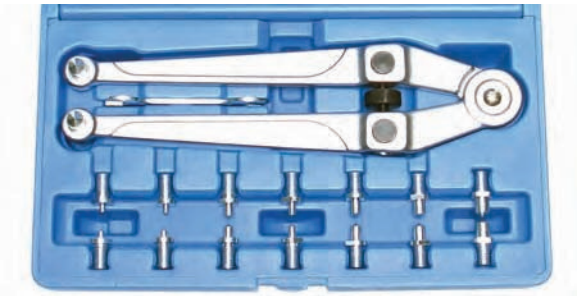
- range: 11 mm and up
- arm length 172 mm (center joint - center pin)
- offset front end 11 mm
- pin diameter 4 mm
- riveted pins

Item #
1463

PRO+ CV

Face Pin Wrench Set, adjustable

- face pin wrench, length: 245 mm
- special steel, hardened, zinc-plated
- with 8 exchangeable pins - only one wrench needed for all standard pins
- pin diameters: 2,5 - 3 - 4 - 5 - 6 - 7 - 8 - 9 mm
- spanning width 102 mm



PRO+

Item #	Description
1464	Face Pin Wrench Set, adjustable
1464-5	5 mm Pin Pair from BGS 1464

7-piece Oxygen Sensor Socket Set

10 ■ 3/8 | 12.5 ■ 1/2

- 3/8" + 1/2" drive
- for assembly of oxygen sensors,
  radiator thermo switch and Diesel injection nozzles
- sizes:
  29 x 90 mm, 1/2" drive
  7/8" x 90 mm, 3/8" drive
  7/8" x 50 mm, 1/2" drive
  27 x 78 mm (12-pt.), 1/2" drive
  7/8" x 90 mm, 3/8" drive
  7/8" offset, 3/8" drive
  7/8" 12-pt.offset, 1/2" drive

PRO+

Item #	Description
1140	7-piece Oxygen Sensor Socket Set
1140-27	Oxygen Sensor Socket, 27 mm x 78 mm, 1/2" drive
1140-22	Oxygen Sensor Socket, 22 mm (7/8") x 50 mm, 1/2" drive
1148	Oxygen Sensor Socket, 22 mm (7/8") x 50 mm, 3/8" drive

14-piece Oxygen Sensor Socket Set

12.5 ■ 1/2

- fits various car models:
1/2" drive x 30 mm 12-pt., length 80 mm:
for Bosch, General Motors, Mercedes-Benz
1/2" drive x 27 mm 6-pt., length 80 mm: for various models
1/2" drive x 28 mm 12-pt., length80 mm: fits Volvo, Scania, HGV
1/2" drive x 21 mm 12-pt., length 85 mm: fits Ford, VAG
1/2" drive x 27 mm 12-pt., length 85 mm: fits BMW, Fiat, Ford, Peugeot
1/2" drive x 22 mm 12-pt., length 80 mm: for various models
1/2" drive x 27 mm 12-pt., length 110 mm: fits Citroen, Peugeot
1/2" drive x 22 mm 12-pt., length110 mm:
fits Audi, BMW, Mercedes, VW, Volvo
1/2" drive x 22 mm 12-pt., length 150 mm, fits BMW
1/2" drive x 20 mm 6-pt., length 80 mm, slotted, for various models
1/2" drive x 19 mm 12-pt., length 80 mm, fits VW, Audi, Seat
1/2" drive x 17 mm 12-pt., length 80 mm, fits BMW, Mercedes Renault
1/2" drive x 22 mm 12-pt., length 50 mm, offset drive, for various models
3/8" drive x 22 mm 6-pt., length 30 mm, offset drive, for various models

Item #
1149

PRO+ CV

1/2" Thermo Switch Socket

12.5 ■ 1/2

- black
- extra deep, slotted finish
- length 78 mm
- socket size 29 mm for VW + Audi
- no damage of the thermo switch

Item #
2537

PRO+ CV

Oxygen Sensor Socket, Size 22 mm x 1/2" hex.

12.5 ■ 1/2

- deep and slotted finish

Item #
1138

PRO+ CV

Oxygen Sensor Socket, 22 mm x 3/8" sq. Head

10 ■ 3/8

- VW, Passat, BMW, Nissan

Item #
1139

PRO+ CV

1/2" Oxygen Sensor Socket 22 mm

12.5 ■ 1/2

- for VAG, BMW, Mercedes, Ford, Opel, etc.
- length: 150 mm
- max. outside diameter: 30 mm
- slot width: 13 mm
- slot Length: 115 mm

Item #
1173

PRO+

Truck Socket Tools, Rear Wheel

- for professional truck repair
- for more details about each socket please visit our website and enter the repective item#

PRO+

Item #	Description
5410	Truck Socket Tool, Rear Wheel, 111 mm, BPW 12t
5413	Truck Socket Tool, Rear Wheel, 80 mm, SCANIA front axle
5416	Truck Socket Tool, 8 points, 115 mm, Volvo
5417	Truck Socket Tool, 8 points, 100 mm, SCANIA

Front Wheel Axles Damper Rod Socket, 28 mm

-suitable for SCANIArear axles damper rod
- 28 mm special specially shaped socket
- 2-pt.
- 3/4" drive
- for professional truck repair

Item #
5418

PRO+

Special Fibreglass Strap Wrench

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

Item #
1024

PRO+

Belt Pulley Wrench for Ribbed and Flat Drive Belts

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

Item #
1026

PRO+

Fan Hub Wrenches, Offset

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

PRO+

Item #	Description
1772	32 mm Fan Hub Wrench, for BMW, Ford etc.
1774	36 mm Fan Hub Wrench, for Ford, Opel, GM

Fan Hub Wrenches, Offset

- length 270 mm
- for moving the waterpump in order
  to span the drive belt in OHC-engines

PRO+

Item #	Description
1682	41 mm Fan Hub Wrench, for Opel + GM
1683	46 mm Fan Hub Wrench, for Opel + GM

4-piece Fan Hub Wrench Set

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

Item #
1684

PRO+

Tensioner Pulley Wrench, 32 mm, 12-point

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

Item #
66720

PRO+

300 mm Reaction Wrench, for Offset-Type Pulley

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

Item #
1747

PRO+

Fan Service Wrench Kit

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

Item #
1763

PRO+

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

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

Item #
1310

PRO+ CV

Tensioner Pulley Wrench Set, E-Profile

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

Item #
1311

PRO+ CV

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

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

Item #
1312

PRO+ CV

VAG Serpentine Belt Tool

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

Item #
8239

PRO+

Belt Tensioner Wrench, Ford Duratorq engines

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

Item #
8533

PRO+

Tensioner Pulley Wrench

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

Item #
1707

PRO+

Belt Pulley Counterholding Wrench, VW 1.6 L

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

Item #
66701

PRO+

Belt Pulley Counterholding Wrench

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

Item #
66703

PRO+

Counterholding Wrench Set, 40-220 mm adjustable

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

Item #
1714

PRO+

Toothed Belt Tensioner Wrench for VW / Audi

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

Item #
8150

PRO+

Free Roller Belt Tension Adjusting Key

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

Item #
66725

PRO+

Special Wrench for Fuel Filters on HDI Engines

- suitable for Peugeot, Renault, etc., with HDI engines
- 3/8" drive
- for filter caps with Ø 108 mm with 46 grooves

Item #
8290

PRO+

Tank Sensor Wrench for VAG

- for dismantling of tank sensor unit
- special shape Ø 99 mm
- length: 390 mm

Item #
8535

PRO+

Fuel Filter Wrench

10 ■ 3/8

- diameter 109 mm
- especially designed for installing and removing Citroen, Peugeot and Renault fuel filters

Item #
8416

PRO+

Fuel Tank Sender Unit Spanner, 25 mm Drive

- all-purpose spanner, adjustable: Ø 75-160 mm
- for removing and tightening the plastic ring on fuel tank sender units

Item #
1001

PRO+

Spanner Set for Fuel Tank Senders

- for assembly and disassembly of the plastic retaining rings of the fuel tank sender unit
- 5 different shaped pairs of clamping arms allow use on a variety of fuel tanks
- can be used for diameters of 75-160mm, 80-122mm and 110-170mm
- 24 mm hexagon drive

Item #
8355

PRO+

13-piece Universal Socket and Cap Wrench Set

- continously adjustable from 49 to 145 mm
- suitable for and 6-pt and 8-pt nuts, groove nuts and round nuts
- 3 pins 6 mm, 8 mm und 10 mm
- side length 45 mm
- chrome plated
- can be used for all special sizes
- 3/4" and 1/2"drive

Item #
1513

PRO+

Relay Pliers

- for disassembly and assembly of automotive relays
- ideal for tight plugged relays
- fits on most relays
- fibre glass / plastic handles
- self-opening, spring-loaded

PRO+

Item #	Description
8312	Relay Pliers, straight
8313	Relay Pliers, 45° offset

Lock Ring Pliers, 220 mm

- chrome plated, handles insulated
- straight nose
- especially for lock / snap rings on axle and gear box shafts

Item #
530

PRO+

Lock Ring Pliers, 225 mm

- chrome plated, insulated handles
- hooked nose
- especially for lock / snap rings in engine or clutch area

Item #
531

PRO+

Removal Pliers for Fuel Lines

- for VW, Audi, Volvo, Citröen, Fiat, Alfa and others
- 90° offset head allows work under difficult conditions

Item #
66101

PRO+

Fuel Hose Clip Loosening Pliers

- for VW-Audi, Fiat, GM, Opel, and others
- for removal and replacement of hose clips connections on in-line fuel filters
- a must-have when changing the fuel filter unit and repairing the engine

Item #
8260

PRO+

Pliers for Removing Fuel Lines with Quick Couplers

- for removing fuel lines with quick couplers on e.g. filter units, and fuel tank breather
- suitable for:
  - Fiat, Alfa Romeo, Lancia 1.3, 1.9, 2.4 Diesel
  - Opel Vectra C 1.9, Signum 1.9, Astra H 1.3, Astra H 1.9 Diesel, Corsa C, Combo, Meriva 1.3 Diesel, Corsa B, Astra F, Astra G, Vectra B, Omega B Petrol
  - Chrysler Neon 1.8, Stratus 2.0 and 2.5
  - Renault passenger cars since 1997

Item #
8314

PRO+

Release Pliers for Fuel Pipes and Fuel Filters on VW, Fiat, Opel etc.

- for quick and easy separating of gasoline quick locks
- suitable for quick-on fuel filters and similar connections that are separated by pressure on the outer ring
- electroplated surface
- handle dip coated

Item #
8274

PRO+

3-piece Pliers Set for Loosening Fuel Line Connectors

- for Fiat, Ford, Opel, Peugeot, Renault, Citroen, VW

Item #
8012

PRO+

Separating Pliers for BMW Oil Coolers

- simplifies the assembly and disassembly of oil coolers
- holding forks bolted, 15 and 22 mm
- distance adjustable (like water pump pliers)

Item #
8289

PRO+

Special Exhaust Clamp Pliers, 305 mm

- for expanding of exhaust clamps when changing the exhaust pipe
- suitable for: Citroen, Peugeot and Renault etc.
- 4 locking positions for easy working
- opening width 20-60 mm

Item #
8250

PRO+

Special Pliers for BMW Outside Mirrors

- suitable for outside mirror of BMW models: E12, E21, E23, E24, E28, E30, E31, E32, E34, E36, E38 and E39
- removal is very difficult without these pliers
- with spring mechanism and stop setting
- made of carbon steel
- dip-coated handles

Item #
8288

PRO+

Bulb Pliers

- allows a non-destructive dismantling and assembly of light bulbs, e.g. in instrument clusters, switch-units, etc.
- specially molded plastic jaws prevent slipping

Item #
8325

PRO+

Axle Boot Pliers

- for boots without hooks
- black finish
- 235mm long

Item #
468

PRO+

Automatic Center Punch, 15-25 kg

- heavy duty finish
- continuously adjustable

Item #
2085

PRO+

Flat Chisel, 295 mm

- with wide safety insulation
- hexagon shaft, Ø 16 mm

Item #
1646

PRO

6-piece Parallel Pin Punch Set, 3-8 mm, 150 mm long

- 3 - 4 - 5 - 6 - 7 - 8 mm
- hardened, colored shaft

Item #
1651

PRO+ CV

6-piece Center Punch Set

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

Item #
1656

PRO+ CV

6-piece Parallel Pin Punch Set, 2,5-8 mm, 200 mm

- hex. shaft, hardened
- 3 - 4 - 5 - 6 - 8 - 10 mm
- **extra long: 200 mm**
- in tetron wallet

Item #
1655

PRO+ CV

8-piece Splint Driver Set with Chisel and Center Punch

- hardened hexagonal shaft
- splint driver: 3-4-5-6-8 mm
- 1 flat chisel 15mm
- 1 cross-cut chisel 4mm
- 1 center punch
- length 150 mm
- in tetron wallet

Item #
1658

PRO+

28-piece Chisel and Punch Set

- 5 pin punches made from chrome vandium
  2.4 x 110 mm, 3.2 x 120 mm, 4 x 125 mm
  5 x 135 mm, 6.5 x 145 mm
- 5 tapered punches made from chrome vanadium
  2.4 x 135 mm, 3.2 x 145 mm, 4 x 150 mm
  5 x 160 mm, 6.5 x 170 mm
- 3 cold chisel made from chrome vanadium
  9.5 x 140 mm, 12.5 x 150 mm, 16 x 165 mm
- 2 center punches made from chrome vanadium
  3 x 125 mm, 4.8 x 150 mm
- 1 chisel punch gauge
- 6 cold chisel made from high carbon steel
  12.5 x 170 mm, 5 x 180 mm, 19 x 200 mm
  18 x 200 mm, 22 x 250 mm, 25 x 250 mm
- 4 cold chisel made from high carbon steel
  3 x 150 mm, 18 x 260 mm, 9.5 x 125 mm, 9.5 x 250 mm
- 2 center punches made from high carbon steel
  145 mm und 375 mm
- in tetron wallet

Item #
1650

CV

Valve Stem Seal Ring Pliers

- for easy removing of deep valve stem seals on multi valve engines
- length 250 mm
- for VW, OPEL, FORD and many others

Item #
1780

PRO+

Valve Shim Remover for DOHC Engines

- suitable for all DOHC engines e.g. Volvo Opel, Ford, Renault ect.
- sliding t-bar for easy handling

Item #
8252

PRO+

Valve Spring Tensioning Tool for Peugeot / Citroen

- very useful when working on valves
- suitable for 1.0, 1.1, 1.4, 1.6 petrol
- Peugeot 106, 205, 206, 306, 307, 405 and Citroen Xsara, Berlingo
- for following engines:
  T9M (CDY,CDZ), TU1M (HDZ,HDY), TU3M/Z (KDX,KDY,KDZ)
  TU3JP (KFW,KFX), TU3FJ2 (KFY,KFZ), TU5JP (NFZ)

Item #
8238

PRO+

Valve Spring Compressor for OHV Valve Springs

- length 320 mm

Item #
1781

PRO+

Valve Spring Compressor, 35-200 mm

- chrome plated
- for large petrol or Diesel engines
- adaptor 25 mm + 30 mm

Item #
1878

PRO+

Valve Spring Compressor, 68-130 mm

- chrome plated

Item #
1877

PRO+

Valve Spring Compressor, 72-240 mm, for OHC Engines

- pressed steel
- for Toyota and others

Item #
1940

PRO+

Special Valve Spring Compressor, 75 mm

- 'overhead'
- nickel plated

Item #
1873

PRO+ CV

OHC Valve Spring Compressor

- with reversible legs and automatic valve shaft sealing
- not suitable for valve springs that are set deeply into the engine
- valve springs and valve shaft seals are replaced by the cylinder head

Item #
1777

PRO+

Valve Spring Compressor "Overhead"

- for uncovered valves

Item #
1762

PRO+

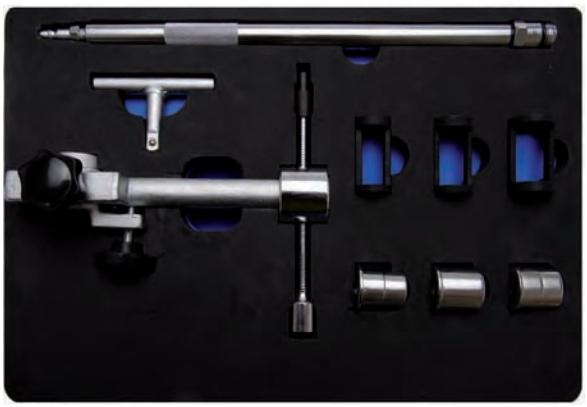
15-piece Air Valve Spring Compressor Set

10 ■ 3/8

- operates in connection with 3/8" drive T-type handle or ratchet
- extensive accessories
- prevents the engine valve from falling into the body due to a counterpressure, caused by air delivered via a spark plug-thread

Item #
1744

PRO+



Valve Spring Compressor Set, 16-30 mm

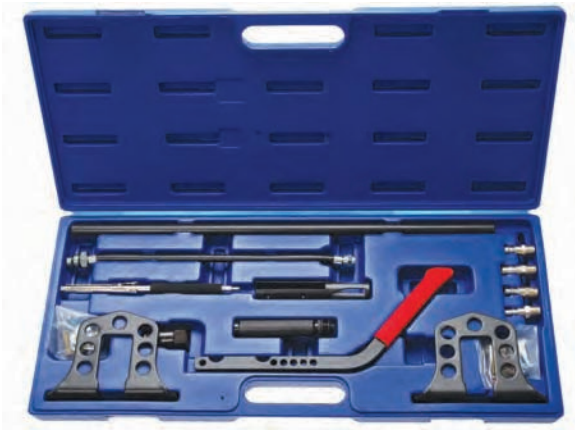
- for smaller engines and motorcycles
- 5 interchangeable bearing drivers
- 100 mm C-Clamp
- pressure screws 70 mm, 110 and 120 mm length
- tensioner pieces: Ø 16 mm, 19 mm, 23 mm, 25 mm, 30 mm
- telescopic magnetic pick
- tweezers

Item #
1768

PRO+

13-piece Valve Spring Compressor Assembly Set

- for depressing the valve springs
- allows a changing of the valve stem seals without removing the cylinder head
- pressure hose for filling compressed air into the cylinder
- suitable for M14 and M18 ignition plug threads
- including valve collet mounting tool



Item #
1778

PRO+

Universal Valve Spring Tensioner

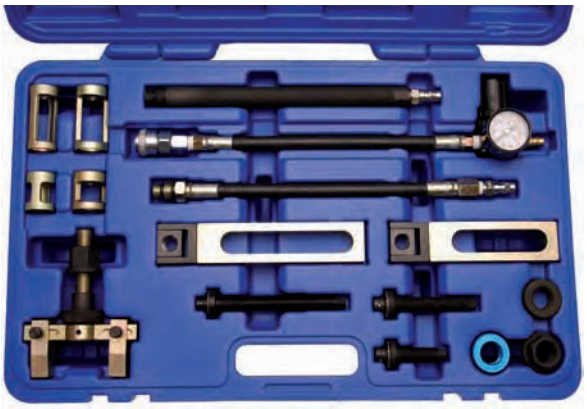
- for tensioning of valve springs
- suitable for 1 to 12 cylinder engines with two and four-valve technology
- also suitable for inline and V engines from VW, Audi, Ford, Peugeot, Volvo, etc.
- mounting on different breakpoints is possible
- universally usable by a variety of settings
- contains 7 pressure pieces with varying diameter sizes for e.g. following models:
  - Ø 21 mm Peugeot, Citroen HDI
  - Ø 24 mm VW, Audi, Seat, Smart, Opel
  - Ø 25 mm Hyundai
  - Ø 28 mm Toyota, Ford 16V
  - Ø 32 mm Opel, Peugeot
  - Ø 35 mm Renault, Peugeot
  - Ø 42 mm Ford

PRO+

Item #	Description
8357	Universal Valve Spring Tensioner
8357-1	Adaptor Set for BGS 8357

Universal Valve Spring Installer and Remover Tool Set

- suitable for assembly and disassembly of valve springs and replacement of valve stem seals on cars, without removing the cylinder head
- valves are closed by pressurized air and can not fall down into the combustion chamber
- works great in narrow space conditions
- can be applied on European, American and Japanese cars, such as BMW, Volvo, Toyota, VAG, Ford, etc.
- especially suitable for:
  Mercedes Benz engines:
  M102, M103, M104, M111, M112, M113, M271, M272
  BMW engines:
  N42, N52, N62, M54, M52, M56, E38, M60, V8



Item #
8475

PRO+

Valve Wedge Tool

- suitable for most car engines with 2-, 3-, 4- or 5-valve technology
- quick and easy assembly of the valve wedges
- minimizes repair costs

Item #
8444

PRO+

Precision Feeler Gauges

- rust-proof
- with conical blades
- 100 mm long
- 0,05 - 1,0 mm
- metal handle

PRO

Item #	Description
3082	13-Blades Precision Feeler Gauges
3083	20-Blades Precision Feeler Gauges

11-piece Special Feeler Gauge

- ideal for measuring the piston ring tolerance
- 0,03 - 0,04 - 0,05 - 0,06 - 0,07 - 0,10 - 0,15 - 0,25 - 0,30 - 0,40 - 0,50 mm

Item #
3135

PRO+

12-Blade Precision Feeler Gauge, bent

- rust-proof
- 0,08 - 0,10 - 0,12- 0,13 - 0,14 - 0,15 - 0,16 - 0,18 - 0,19 - 0,20 - 0,25 - 0,26 Inch
- 0,203 - 0,254 - 0,305- 0,330 - 0,356 - 0,381 - 0,406 - 0,457 - 0,483 - 0,508 - 0,635 - 0,660 mm

Item #
3184

PRO+

Suction Valve Grinders

- 220 mm
- wooden handle , 2 rubber suction cups

PRO+

Item #	Description
1740	Suction Valve Grinder, 16x21 mm
1741	Suction Valve Grinder, 28x34 mm

Valve Lapping Tool Attachment

- facilitates the insertion of valves
- automatic change in direction
- for use with fine grinding paste
- with 8 mm shank
- working speed min. 1000 rpm, max. 1250 rpm
- 2 different suction plates in 18 mm and 24 mm
- 13 mm shaft for attaching the suction cups

PRO+

Item #	Description
1738	Valve Lapping Tool Attachment
1738-1	Rubber Adaptor, 17.3 mm for BGS 1738
1738-2	Rubber Adaptor, 22 mm for BGS 1738

27-piece Valve Seat Cutter Set, 30-60 mm

- Milling in the following sizes:
  at 45 ° + 90 °:
  30-32,5-35-37,5-40-42,5-50-52,5-55-57,5-60 mm
- 13 stem guide in the following sizes:
  6-6,5-7-7,5-8-8,5-9-9,5-10-10,5-11-11,5-12
- not suitable for hardened valve seats

In metal case.

Item #
1970

PRO+

Scissor Jack with Cranking Handle, Capacity 1.5t

- minimum height 225 mm / maximum height 360 mm

Item #
1875

PRO

Hydraulic Jacks

- packed in coloured cardboard box
- item 1870, 1871 and 1974
  with 60 mm spindle length (adjustable)
- item 1872
  with 70 mm spindle length (adjustable)
- item 1973
  with 80 mm spindle length (adjustable)

PRO CE

Item #	Description
1870	Hydraulic Jack, Capacity 2t., 155-310 mm
1871	Hydraulic Jack, Capacity 3t., 195-390 mm
1872	Hydraulic Jack, Capacity 5t., 215-430 mm
1973	Hydraulic Jack, Capacity 12t., 230-475 mm
1974	Hydraulic Jack, Capacity 20t., 240-470 mm

Hydraulic Jack, Capacity 10t.

- double ram hydraulic system
- min height: 210 mm
- max. height: 520 mm
- lifting height: 245 mm
- weight: 10.7 kg

Item #
1977

PRO+ CE

Miniature Aluminum Jack, 90 kgs

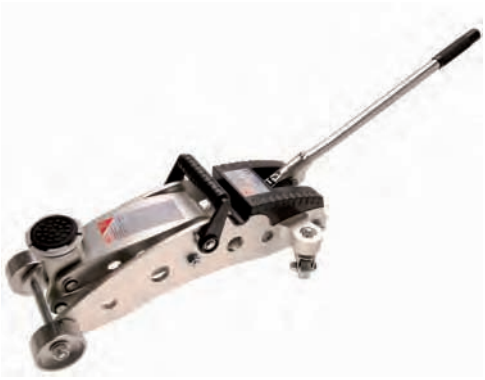
- suitable for decoration and
  for large vehicle models up to approx.1:5
- with hydraulic function
- all parts are metal (aluminum) made
- lifting capacity: 90 kg
- length: 200 mm
- max. Height: 145 mm

Item #
11

PRO+

Aluminum Hydraulic Floor Jack, 1.5t.

- low weight aluminum construction
- min. height: 125 mm
- max. height: 340 mm
- length: 492 mm
- width: 230 mm
- weight: 9,2 kg
- front castors: Ø 65 mm
- steering castors: Ø 40 mm
- with convenient carrying handle



Item #
2885

PRO+ CE

Aluminum Hydraulic Floor Jack, 2.5t., Aluminum-Steel Constuction

- dual lifting piston
- durable and lightweight aluminum-steel construction
- min. height: 100 mm
- max. height: 460 mm
- length: 640 mm
- width: 285 mm
- weight: 26.6 kg
- front castors: Ø 65 mm
- steering castors: Ø 45 mm

Item #
2889

PRO+ CE

Turbo-Lifter Floor Jack Flat 2,25 To.

- professional quality
- suitable for cars with low ground clearance
- reduced noise because of nylon castors
- foam coated lever helps to prevent damge to the car

- capacity: 2.25t
- min. height: 90 mm
- max. height: 515 mm
- lengh: 850 mm
- width: 400 mm
- weight: 54kg

Item #
9242

PRO+ CE

Turbo-Lifter Floor Jack 3 To.

- professional quality
- reduced noise because of plastic castors
- foam coated lever helps to prevent damge to the car

- capacity: 3t
- min. height: 130 mm
- max. height: 490 mm
- lengh: 720 mm
- width: 360 mm
- weight: 41kg

Item #
9240

PRO+ CE

Hydraulic Vehicle Positioning Jack, Lifting Capacity 600 kg

- lifting capacity 600 kg
- 145 mm low ground clearance
- from 300 mm width up to max. 650 mm width
- ideal for moving cars in exhibitons, garages etc.

PRO+ CE

Item #	Description
1975	Hydraulic Vehicle Positioning Jack, Lifting Capacity 600 kg
1975-1	Hydraulic Cylinder for Item# 1975
1979	Spare Wheel for Item# 1975

Car Positioning Shells, 1 Pair

- capacity / piece: 450 kg
- ideal for maneuvering in small areas
- 4 steel castor wheels
- max. tyre width: 360 mm
- dimensions: 385 x 605 mm
- max. tyre width: 360 mm
- dimensions: 385 x 605 mm

Item #
8386

PRO+

1 Pair of Axle Stands, High End Finish

- heavy duty, 4 leg finish
- 10-step ratchet-type action

PRO+

Item #	Description
3014	1 Pair of Axle Stands, 2 to/piece, 278-423 mm
3015	1 Pair of Axle Stands, 3 to/piece., 285-420 mm
3016	1 Pair of Axle Stands, 6 to/piece., 420-600 mm

1 Pair of Axle Stands, 3 to./piece, 315-485 mm

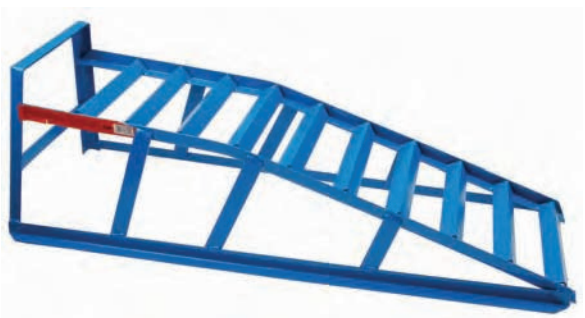
- blue lacquered finish
- adjustable steel pin (315-485 mm)

Item #
3002

PRO

Drive-On Ramp, one piece

- extra strong and wide finish
- 840 mm long
- 205 mm wide
- drive-on height: 210 mm,
- load capacity: 2 tons when using two platforms
- for tyres up to 195 mm wide
- to be used by pair only



Item #
3001

PRO+

2 piece Folding Ramp Set

- multi-purpose and mobile
- for loading and unloading quads, motor bikes, lawn mowers etc.
- can also be used as car stand when folded
- maximum capacity per ramp:
  - 1.100 kg (folded)
  - 350 kg (unfolded)
- space saving because it folds
- dimensions 580 x 160 x 265 mm (folded)
- overall lenght 1985 mm (unfolded)
- carrying handle for easy transport

Item #
2999

PRO+

Rolling Frame for 4 Hydraulic Vehicle Positioning Jacks BGS 1975

- easy transport and space-saving storage
- 4 castors

Item #
1976

PRO+

Chain Hoist, Lifting Range 2.5 m

- closed body
- minimal amount of manual work needed due to special power transmission even when max. load capacity is reached

PRO CE

Item #	Description
3483	Chain Hoist, Lifting Range 2.5 m, Capacity 1 to.
3484	Chain Hoist, Lifting Range 2.5 m, Capacity 2 to.

Spark Plug Cleaning Brush, 140 mm long

- compact brush with dense brass fill in wooden stock

Item #
3080

PRO

Spark Plug Pliers, 200 mm, Ring Tip

- ring tip with 16 mm internal diameter
- satin nickel plated
- heavy duty soft grip handles black & red

Item #
1737

PRO+

Spark Plug Pliers

- satin nickel plated
- for operating spark plugs which are deep set into engine blocks
- heavy duty soft grip handles - black & red

PRO+

Item #	Description
1784	Spark Plug Pliers, 200 mm
1739	Spark Plug Pliers, 290 mm

Long Nose Spark Plug Pliers, 280 mm

- ideal for spark plug assembly

Item #
413

PRO

2-piece Spark Plug Socket Puller Set, 225 + 350 mm

- especially for metal coated spark plug sockets on VW engines
- prevents spark plug wires from damage during assembly

Item #
65260

PRO+

Glow Plug Socket Pliers

- for assembling and disassembling of glow plugs

PRO+

Item #	Description
66155	Glow Plug Socket Pliers, straight
66157	Glow Plug Socket Pliers, 90° bent

4-piece Glow Plug Connector and Ignition Coil Puller Set

- for damage free removal of ignition coils
- fits VW engines

Item #
68340

PRO+

PVC Coated Spark Plug Wrenches, Ball Joint, extra long

PVC coated T-type handle

PRO+

Item #	Description
143	PVC coated Spark Plug Wrench - Ball Joint, 375 mm long, 16 mm
144	PVC coated Spark Plug Wrench - Ball Joint, 375 mm long, 20.8 mm

3/8" Reversible Ratchet, Special Shape

10 ■ 3/8

- from set BGS Item # 139
- flexible head, 180° adjustable
- fine 72 tooth ratchet
- handle 30° offset
- length 270 mm
- slip guard handle

Item #
139-1

PRO+

Flexible Joint Spark Plug Wrench with limited Torque

- satin chrome plated
- 12-point profile
- due to the torque limit spark plugs can not be overtightened and damaged

PRO+ CV

Item #	Description
145	Flexible Joint Spark Plug Wrench with limited Torque 19 NM, 550 mm long, 14 mm
146	Flexible Joint Spark Plug Wrench with limited Torque 23 NM, 550 mm long, 16 mm
147	Fleixble Joint Spark Plug Wrench with limited Torque 27 NM, 600 mm long, 21 mm

3-piece Torque Limited Spark Plug Socket Set 14-16-21 mm

10 ■ 3/8 | 12.5 ■ 1/2

- 1/2" drive, 3/8" adaptor included

- 14 mm torque limited to 19 Nm
- 16 mm torque limited to 20 Nm
- 21 mm torque limited to 25 Nm

Item #
7190

PRO+ CV

Spark Plug Sockets, Rubber Inlay

- forged
- chrome plated and polished

PRO

Item #	Description
2466	Spark Plug Socket, 3/8" Drive, SW 16 mm
2462	Spark Plug Socket, 1/2" Drive, SW 16 mm
2464	Spark Plug Socket, 3/8" Drive, SW 18 mm
2461	Spark Plug Socket, 1/2" Drive, SW 20.8 mm

Spark Plug Sockets, magnetic

- forged
- chrome plated and polished
- **magnetic inlay**

PRO+ CV

Item #	Description
2469	Spark Plug Socket, magnetic, 3/8" Drive, SW 16 mm
2468	Spark Plug Socket, magnetic, 1/2" Drive, SW 16 mm
2463	Spark Plug Socket, magnetic, 1/2" Drive, SW 21 mm

Spark Plug Socket, satin chrome plated, Rubber Inlay

- forged
- satin chrome finish

PRO+ CV

Item #	Description
2471	Spark Plug Socket, satin chrome plated, 3/8" Drive, SW 16 mm
2472	Spark Plug Socket, satin chrome plated, 1/2" Drive, SW 16 mm
2470	Spark Plug Socket, satin chrome plated, 1/2" Drive, SW 20,8 mm

Spark Plug Sockets with Retaining Spring, 6-point

12.5 ½

- satin chrome plated
- with retaining spring for spark plugs
- 1/2" and 20 mm hex drive
- length: 65 mm

PRO+ CV

Item #	Description
2401	Spark Plug Socket, 16 mm, with Retaining Spring
2402	Spark Plug Socket, 18 mm, with Retaining Spring
2403	Spark Plug Socket, 21 mm, with Retaining Spring

16 mm Spark Plug Socket, with Rubber, 12-point, Rubber Inlay

10 ⅜

- fine knurl for perfect grip
- length 90 mm

Item #
2448

PRO+ CV

Spark Plug Sockets with Retaining Spring, 12-point, extra long

- with retaining spring for spark plugs
- length: 250 mm

PRO+ CV

Item #	Description
2404	Spark Plug Socket, 14 mm, with Retaining Spring, 3/8", 12-pt
2405	Spark Plug Socket, 16 mm, with Retaining Spring, 3/8", 12-pt
2449	Spark Plug Socket, 18 mm, with Retaining Spring, 3/8", 12-pt

14 mm Spark Plug Socket, 12-point, 3/8", Length 90 mm

10 ⅜

- satin chrome finish
- with extra big knurl for better grip

Item #
2446

PRO+ CV

14 mm Spark Plug Socket, with Magnet, 12-point, 3/8", Length 250 mm 10 ■ 3/8

- satin chrome finish
- spark plug is held by a magnet
- with extra big knurl for better grip

Item #
2447

PRO+ CV

Spark Plug Socket, 14 mm, with Retaining Spring

- with retaining spring for 14 mm spark plugs
- 3/8" and 17 mm hex drive
- 12-pt
- length: 65 mm
- outside diameter: 20 mm
- black finish

Item #
2400

PRO+

Ignition-Firing Interval Tester for Classic / Vintage Cars

- for checking the ignition voltage

Item #
3030

PRO

Spark Plug Thread Repair Kit M14

- 1 tap / rethreader for M14 threads HSS-G
- 5x 11 mm tap inserts black finished
- 5x 16 mm tap inserts black finished
- 5x 19 mm tap inserts yellow Zinc plated

PRO+

Item #	Description
149	Spark Plug Thread Repair Kit M 14
149-11	Replacement Threaded Sleeves M14 x 11 mm for BGS 149, 5 pieces
149-16	Replacement Threaded Sleeves M14 x 16 mm for BGS 149, 5 pieces
149-19	Replacement Threaded Sleeves M14 x 19 mm for BGS 149, 5 pieces
149-1	M14 Taps for BGS 149

Spark Plug Thread Repair Sets

- suitable for repair of spark plug threads
- easy to use
- contains special taps with 6-point-drive and 4 threaded bushes, lengths 9.5 - 11.5 - 12.7 and 19 mm

PRO+

Item #	Description
165	Spark Plug Thread Repair Kit M10 x 1.00
166	Spark Plug Thread Repair Kit M12 x 1,25
150	Spark Plug Thread Repair Kit M14 x 1.25

Double Offset Ratchet Wrench for Glow Plugs, 8 and 12 mm

- for installing and removing glow plugs
- suitable for VW, Audi, Renault diesel engines
- for glow plugs between engine and diesel injector pump
- double-hexagon profile
- 8 mm for operation of conductor rail screws
- 12 mm for operation of glow plugs
- length: 300 mm

Item #
8264

PRO+

6-piece Joint Socket Set for Glow Plugs 3/8"

- 3/8" drive, sizes 8-9-10-12-14-16 mm
- glow plugs are held by internal rubber ring
- with screwed universal joint, adjustable
- total length 75 mm / 80 mm (14 + 16 mm)
- perfect for jobs in hard-to-reach areas
- single sizes available under Art. 2980-2985

PRO+ CV

Item #	Description
2990	6-piece Joint Socket Set for Glow Plugs 3/8"
2980	Joint Socket for Glow Plugs, 3/8" Drive, 8 mm
2981	Joint Socket for Glow Plugs, 3/8" Drive, 9 mm
2982	Joint Socket for Glow Plugs, 3/8" Drive, 10 mm
2983	Joint Socket for Glow Plugs, 3/8" Drive, 12 mm
2984	Joint Socket for Spark Plugs, 3/8" Drive, 14 mm
2985	Joint Socket for Spark Plugs, 3/8" Drive, 16 mm

6-piece 3/8" Glow Plug Socket Set 8-9-10-12-14-16 mm x 150 mm

- screwed universal joint
- with rubber insert to hold the glow plug sockets

Item #
2986

PRO+ CV

8-piece Glow Plug Installation Kit

10 ◘ 3/8

- with torque limited ratchet (18 Nm)
- extension bar 100 mm
- 12-point glow plug joint sockets 8-9-10-12-14-16 mm
- prevents damage of glow plugs by limited torque

PRO+ CV

Item #	Description
2899	8-piece Glow Plug Installation Kit
2898	Torque Limited Ratchet, single, from 2899

Glow Plug Socket Set specifically for Fiat / Alfa / Lancia

- for removal of glow plugs with fixed connector cable, built into latest Fiat, Alfa and Lancia models
- slotted sockets 8 - 9 - 10 mm
- 6-pt drive

Item #
7191

PRO+ CV

Torque Limited Glow Plug Sockets 8-10-12 mm

10 ◘ 3/8

- 3/8" drive, length 120 mm

- 8 mm torque limited to 15 Nm
- 10 mm torque limited to 18 Nm
- 12 mm torque limited to 18 Nm

Item #
7195

PRO+ CV

Glow Plug Tool

- for unscrewing and disassembly of glow plugs in the cylinder head, especially for glow plugs that are stuck because of carbonization remains
- cylinder does not need to be removed any more
- fits all Mercedes 10 mm glow plugs, engine codes 611-612-613 etc., especially CDI engines

Item #
65601

PRO+

3-piece Glow Plug Repair Tool Kit

- for removal of pollution from the glow plug channel and for extraction of stuck glow plugs
- pefect for Mercedes-Benz CDI engines
- tapered reamer M10 x 1.00 (4, 5 and 6 cylinder engines OM611, 612, 613 and Smart CDI R660)
- tapered reamer M12 x 1.25 (4 valve engines OM604, 605, 606)
- glow plug extractor for glow plug threads SW10 (OM611, 612, 613)

Item #
65630

PRO+

1/4" Twist Socket Set for Glow Plug Electrodes

6.3 ◘ ¼

- for gripping the electrodes together with Glow Plug Removal and Thread Repair Set BGS 8297
- includes 2.6 - 3.2 - 3.5 - 4.5 - 6.5 - 8.25 mm sockets

PRO+ CRO MO

Item #	Description
5290	6-piece 1/4" Turn Off Socket Set for Glow Plug Electrode
5290-2.6	1/4" Turn Off Socket 2.6 mm, for Glow Plug Electrode from BGS 5290
5290-3.2	1/4" Turn Off Socket 3.2 mm, for Glow Plug Electrode from BGS 5290
5290-3.6	1/4" Turn Off Socket 3.5 mm, for Glow Plug Electrode from BGS 5290
5290-4.5	1/4" Turn Off Socket 4.5 mm, for Glow Plug Electrode from BGS 5290
5290-6.5	1/4" Turn Off Socket 6.5 mm, for Glow Plug Electrode from BGS 5290
5290-8.25	1/4" Turn Off Socket 8.25 mm, for Glow Plug Electrode from BGS 5290

Glow Plug Shaft Cleaning Brush

- for cleaning glow plugs manholes
- it is recommended to clean manholes before replacing the glow plugs
- length: 105 mm, Ø 9 mm
- total length: 310 mm

Item #
8561

PRO+

Internal Spark Plug Rethreader Tool

- for cleaning and regrooving of spark plug threads in the cylinder head
- length 270 mm, also suitable for cylinder heads with deep-seated spark plugs
- 13 mm 6-pt. drive

PRO+

Item #	Description
8375	Internal Spark Plug Rethread Tool, M12
8376	Internal Spark Plug Rethread Tool, M14

Ignition and Glow Plug Thread Cleaner

- for cleaning and recutting the threads in the cylinder head
- prevents conglutination of plugs
- makes it easier to renew plugs
- made from hardened and tempered steel
- includes following reamers:
  - M8 x 1.00 - 117 mm length
  - M10 x 1.0 - 117 mm length
  - M12 x 1.25 - 140 mm length
  - M12 x 1.25 - 268 mm length
  - M14 x 1.25 - 140 mm length
  - M14 x 1.25 - 268 mm length
  - M18 x 1.50 - 89 mm length

Item #
8503

PRO+

Glow Plug Removal and Thread Repair Set

- simplifies the assembly and disassembly and professional repair of glow plug threads
- suitable for most injectors
- assembly and disassembly of glow plugs and repair glow plug threads
- extractor for fixed glow plugs
- step drill to drill out damaged glow plugs 7 x 5.5 mm and 9 x 5.5 mm
- taps M8 x 1.0, 10 x 1.0 and 1/4"-28UNF for repairing glow plug threads
- tap holder
- E10 socket

Item #
8297

PRO+

Glow Plug Bore Reamer Set

- 4 adaptors and 3 reamers
- cleaning is recommended before installation of new glow plugs
- suitable for glow plug threads M8 - M10 - M12
- 145 mm drive shaft, knurled for hand use
- can also be used with 14 mm hexagon socket or 1/4" square end
- material: CR-MO + S45C Steel

Item #
8447

PRO+

3-piece Glow Plug Reamer Set M10 + 2x M12

- for professional cleaning of the glow plug manhole
- cleaning of the manhole is recommended before installation of new glow plugs

PRO+

Item #	Description
138	3-piece Glow Plug Reamer Set M10 + 2x M12
138-1	Glow Plug Reamer M12 x 59 mm
138-2	Glow Plug Reamer M12 x 94 mm
138-3	Glow Plug Reamer M10 x 107 mm

Air Impact Wrench Set for Glow Plugs

6.3 ◘ ¼

- allows loosening of stuck glow plugs
- can also be used on screws where a low torque is required
- 4-stage torque adjustable to approx. 20-30-40-50 NM to minimize the risk of tear-off for the glow plugs
- torque setting is possible in forward and reverse rotation
- incl. 4 deep sockets in 8, 9, 10, 11 and 12 mm, 1 extension and 1 universal joint
- 1/4" drive bar
- working pressure: 6.2 bar

Item #
3320

PRO+ CE

Industrial Plug, 16A / 250V

- with rubber protection sleeve
- contact protection cover

Item #
80762

PRO+ CE

Industrial Plug, 16A / 250V

- with rubber protection sleeve

Item #
80761

PRO+ CE

9 Liter Coolant Water Can

- plastic

Item #
9968

PRO+

2-piece Body-Edge Protection, magnetically

- for edge protection when sanding or painting
- with magnets on backside for easy handling
- material: polypropylene
- dimensions: 153 x 88 mm
- includes 2 pieces

Item #
8508

PRO

Mechanics Creeper, 5 Castors

- padded seat
- large storage compartment in the base
- hight: 450 - 650 mm

Item #
8388

PRO+

Knee Protector

- dimensions: 450 x 210 x 30 mm
- with storage compartment,
  prevents rolling away of tools and parts
- acid-resistant EVA foam

Item #
4801

PRO+

Universal Seat and Steering Wheel Cover Sets

- protects against pollution from grease, oil, water, food scraps and other materials
- can be easily cleaned by wiping off with a damp cloth or sponge
- consists of seat, steering wheel and gear knob cover

PRO+

Item #	Description
66529	Universal Seat and Steering Wheel Cover Set, Synthetic Leather
66531	Universal Seat and Steering Wheel Cover Set, Polyester

Magnetic Shell, Inox

- Ø 150mm
- **stainless finish**
- very strong magnet
- rubber coated
- "no scratches"
- sold without the displayed contents

Item #
1150

PRO+

Magnetic Shell, Inox

265x290 mm

Item #
1151

PRO+

Magnet Tray, High Edge Finish, Ø 145 mm

- all purpose: use in workshop, construction, car-repair, etc.
- special high finish allows storing of non-magnetic small parts like aluminium, brass, stainless steel as well as large magnetic tools and parts
- plastic coating around magnet

Item #
67100

PRO+

Magnetic Shell Set 3-pc., 150-210-310 mm

- 3 shelves with strong magnet
- individually attachable
- sticks to all metal surfaces
- perfect storage box for tools, aerosol cans and other tools
- sizes:
  - 150 x 120 mm, max. load capacity 0.60 kg
  - 210 x 120 mm, max. load capacity 0.77 kg
  - 310 x 120 mm, max. load capacity 1.17 kg

Item #
67150

PRO+

Magnetic Can Storage Tray

- fits 3 standard spray cans
- 6 strong magnets, capacity approx. 4kgs
- 10 holes on bottom position Ø 19 mm, can also hold screwdrivers
- dimensions: 210 x 75 x 70 mm

Item #
67156

PRO+

Magnetic Paper Towel Holder

- with strong magnetic capacity approx. 3kgs
- holder Ø 33 mm

Item #
67159

PRO+

Magnetic Clip

- strong magnet
- suitable for torches etc.

Item #
67152

PRO+

Magnifier with Flexible Arm and Magnetic Foot

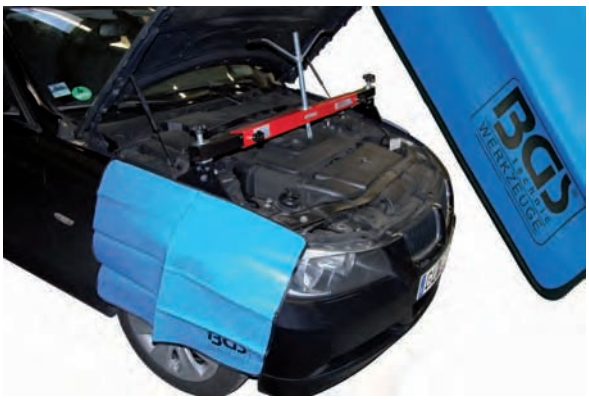
- magnifier diameter: 105 mm
- magnet diameter: 65 mm
- total length: 260 mm
- Ø 26 mm flexible arm

Item #
8372

PRO+

Magnetic Fender Cover, 79x59 cm

- for protection of the body at work, built in magnets



Item #
3232

PRO+

Multi-Purpose Table

- ideal for storage of windshields and car body parts, e.g. when removing or applying adhesive materials, etc.
- heavy duty construction
- adjustable and lockable in width and height, therefore can be stored in a small area
- 4 swivel castors
- padded seating surface
- width: 22 cm to 135 cm
- height: 84 cm to 125 cm
- depth: 87 cm
- capacity: 100 kg

Item #
9238

PRO+

Windshield Holder with Suction Pads

- ideal for storing windshield while removing or applying adhesive material etc.
- foldable, saves storage save
- 4 suction pads for secure holding of windscreen

Item #
8460

PRO+

Windshield Holder

- ideal for storing windshields while removing or applying adhesive materials etc.
- foldable, saves storage space
- soft wrapped upper frame for secure holding of windscreen

Item #
8380

PRO+

Trolley, foldable

- suitable for the transport of batteries, gears, small engines, etc.
- foldable and lockable push/pull frame
- 4 wheels Ø 100 mm
- capacity: 150 kgs

Item #
8524

PRO+

Engine Support, 750-1450 mm

- for assembling and disassembling of engine and gearbox
- strong square-type tube
- adjustable width
- ball bearing wheels
- rubber pads protect fenders
- 9235 comes with two chains, 9234 with one (each chain 90 cm long)

PRO CE

Item #	Description
9234	Engine Support, 750-1450 mm, 300 kg
9235	Engine Support XL, 750-1450 mm, 500 kg
9234-2	Rotary Handle with External Thread for BGS 9234
9234-1	Rotary Handle with Internal Thread for BGS 9234 / 9235

Universal Engine Traverse

- 2- and 3-point support on car wing edges and hood latch
- wide area of application due to adjustable suspension points
- comes with 2 pendant ropes
- width: min. 105 mm to max. 155 mm
- capacity: 315 kg

Item #
8515

PRO+

4-point Engine Support

- especially suitable for vehicles with auxiliary frame
- prevents undesired twisting and tilting of the engine
- two positionable longitudinal beams for support on front panel
- can also be used without longitudinal beams
- including two chains and shackles, length 530 mm
- variable width, up to 1500 mm
- variable length of longitudinal beams 510-845 mm
- lifting spindle length 340 mm
- capacity: 315 kgs

Item #
9237

PRO+

Engine Crane, 1000 Kg

- engine crane for lifting engines and other heavy loads
- lifting arm can be adjusted in 4 positions of different length
- technical data:
  capacity position 1: 1000Kg
  capacity position 2: 750kg
  capacity position 3: 500Kg
  capacity position 4: 250kg
  maximum height in position 1: 2019 mm
  maximum height in position 4: 2248 mm
  length of the lifting arm in position 1: 902 mm
  length of the lifting arm in position 2: 1003 mm
  length of the lifting arm in position 3: 1080 mm
  length of the lifting arm in position 4: 1169 mm
  frame length: 1257 mm
  overall height: 1400 mm
- foldable for easy storing

Item #
9245

PRO+ CE

Engine Mounting Balancer

- for balancing engines when lifting with an engine crane
- allows a precise alignment when installing the engine on gearbox
- capacity: 350 kg
- dimensions: H 230 x W 510 mm
- adjustment: -+ 210 mm
- 160 mm crank
- incl. 2 chains, 500 mm length

- crane not included

Item #
8492

PRO

Shop Press 20 to.

- suitable for daily workshop use
- facilitates renewal of e.g. wheel bearings, gear shaft bearings, rubber bushings etc.
- large work area with 9-way adjustable supporting surface
- big pressure gauge: 0 - 14500 psi (0 - 1000 Bar)
- working range: 0-1030 mm
- width: 530 mm
- stroke: 150 mm
- weight: 95 kg

Item #
9246

PRO+ CE

Gearbox Lifter, 600 kg

- for assembling and disassembling of gearboxes, rear axles and suspension parts
- swivel saddle
- height 1130 to 1970 mm
- 4 ball bearing castors
- heavy duty construction
- 840 mm stroke
- quick lift hydraulic foot pump
- weight 34 Kg

Item #
9239

PRO+ CE

Gearbox Lifter, 500 kg, Heavy Duty

- for assembling and disassembling engines, gearboxes and rear axles
- adjustable head plate 60 mm to the side and from -10° to 35° in inclination, therefore especially suitable for mounting of automatic transmissions
- height approx. 880 to 1770 mm
- 4 ball bearing caster wheels
- compact construction, lightweight
- high lifting range
- fast lifting due to hydraulic foot pedal
- heavy duty
- weight: 80 kg

PRO+ CE

Item #	Description
9233	Gearbox Lifter, 500 kg, Heavy Duty
9233-1	Replacement Wheel for BGS 9233

Mobile Engine Stands

- rotates 360° and can be locked in 8 positions
- ball bearing wheels and castors
- turnable plate allows easy moving of the engine
- adjustable angle and distance

PRO CE

Item #	Description
9231	Engine Stand, 450 kg
9230	Engine Stand XL, 570 kg

Working Platform, Foldable

- with one step
- platform area: 760 x 300 mm
- platform height: 495 mm
- floor area: 1090 x 415 mm
- dimensions (folded): 790 x 413 x 165 mm
- low weight aluminum construction
- max. capacity: 115 kgs
- weight: 3.6 kg

Item #
8366

PRO+

Tool Box

- 2 drawers, inside dimensions: 565 x 255 x 40 mm
- 1 drawer, inside dimensions: 565 x 255 x 70 mm
- 1 large storage compartment
  inside dimensions of storage compartment :
  645 x 295 x 70 mm
- lockable closure lid
- box with side-mounted handles
- can be fitted on top of BGS 2001
- dimensions: 310 x 375 x 660 mm

Item #
4001

PRO+

8-Drawer Roller Cabinet, empty

- heavy duty workshop finish
- heavy duty ball bearing castors, thereof 2 castors lockable
- lockable through central lock
- smooth-running, extendable, ball bearing drawers
- each drawer with additional safety lock
- foldable side shelf
- 8 drawers (2 extra big drawers), fully extendable
- practical work plate with storage boxes for small parts, tools etc.
- size: 103,5 x 48 x 73 cm
- weight (including packing): 93 kg

PRO+

Item #	Description
4100	8-Drawer Roller Cabinet, empty
4100-1	Drawer Guide for BGS 4100,4050,4060,2001

7-Drawer Roller Cabinet, empty

- 7 ball bearing smooth running drawers, 100 % extendable
- heavy duty ball bearing castors, thereof 2 castors lockable
- lockable through central lock
- practical work plate with antislip plastic-plate
- size: 680x458x860 mm
- weight approx. 60 kg

Item #
2001

PRO+

Roller Cabinet, Horizontal Double Extension

- large storage area (700 x 360 x 170 mm inner size) with rubber insert
- two drawers (565 x 320 x 55 mm)
- perforated tray on the sides for e.g. screwdrivers
- storage for spray cans, etc.
- large storage area in the bottom plate
- 2 fixed castor and 2 swivel castors with brake
- all wheels, drawers and double extension with ball bearing
- holder for paper rolls with a width up to 275 mm
- overall size 875 x 370 x 840 mm

Item #
4105

PRO+

Roller Cabinet, BGS 4100 with 293 Tools

- 7 ball bearing smooth running drawers, 100 % extendable
- heavy duty ball bearing castors, 2 with locking function
- cabinet lockable through central lock
- practical work plate with antislip plastic-plate
- equipped with pro+ workshop tools
- see BGS 4012, 4015, 4017, 4020 for content details
- also contains inch size tools
- size: 680 x 458 x 860 mm

Item #
4090

PRO+ ZOLL/SAE CV

Roller Cabinet BGS 2001, complete with 243 Tools

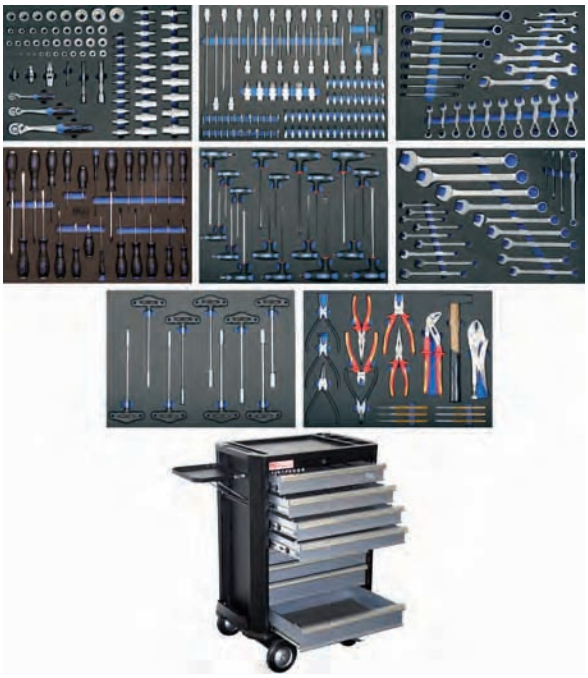
- 7 ball bearing smooth running drawers, 100 % extendable
- heavy duty ball bearing castors, thereof 2 castors lockable
- lockable through central lock
- practical work plate with antislip plastic-plate
- **equipped with pro+ workshop tools**
- **see item # 4011, 4012, 4014, 4015, 4017 for content details**
- size: 680x458x860 mm
- weight approx. 84.5 kg

Item #
4060

PRO+

Roller Cabinet BGS 4100, complete with 296 Tools

- heavy duty workshop finish
- heavy duty ball bearing castors, thereof 2 castors lockable
- lockable through central lock
- smooth-running, extendable, ball bearing drawers
- each drawer with additional safety lock
- foldable side shelf
- 8 drawers (2 extra big drawers), fully extendable
- practical work plate with storage boxes for small parts, tools etc.
- **fully equipped with pro+ workshop tools**
- **see item # 4010, 4011, 4012, 4013, 4014, 4015, 4016, 4017 for content details**
- size: 103,5 x 48 x 73 cm
- weight (including packing): 124.5 kg

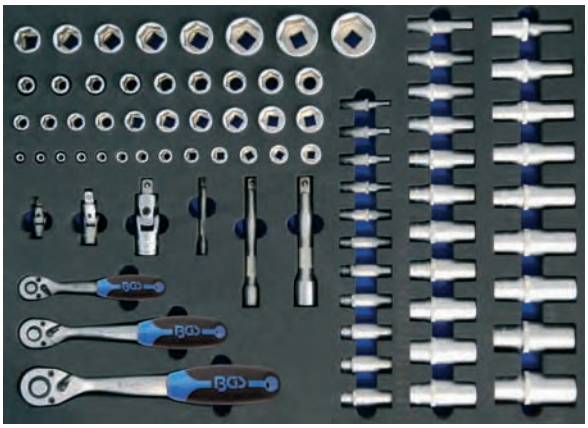


Item #
4050

PRO+

Tool Tray for Roller Cabinets: Ratchets and Sockets, 80 pcs.

- tool tray made from high-resistance foam
- size: 570x450x30 mm (fits in BGS 4100 + 2001)
- all parts made from **chrome vanadium steel**, satin chrome plated
- reversible ratchets with 1/4", 3/8" and 1/2" drive:
  - fine 72 tooth, quick-release button
  - anti-slip ergonomically formed 2-component handle
- 1/4" sockets, **"Pro-Torque©"**in sizes:
  4 mm, 4,5 mm, 5 mm, 5,5 mm, 6 mm, 7 mm, 8 mm, 9 mm, 10 mm, 11 mm, 12 mm, 13 mm, 14 mm
- 3/8" sockets, **"Pro-Torque©"**in sizes:
  10 mm, 11 mm, 12 mm, 13 mm, 14 mm, 15 mm, 16 mm, 17 mm, 18 mm, 19 mm
- 1/2" sockets, **"Pro-Torque©"**in sizes:
  10 mm, 11 mm, 12 mm, 13 mm, 14 mm, 15 mm, 16 mm, 17 mm, 18 mm, 19 mm, 20 mm, 21 mm, 22 mm, 24 mm, 27 mm, 30 mm, 32 mm
- 1/4" deep sockets, **"Pro-Torque©"**in sizes:
  4 mm, 5 mm, 5,5 mm, 6 mm, 7 mm, 8 mm, 9 mm, 10 mm, 11 mm, 12 mm, 13 mm
- 3/8" deep sockets, **"Pro-Torque©"**in sizes:
  8 mm, 10 mm, 11 mm, 12 mm, 13 mm, 14 mm, 15 mm, 16 mm, 17 mm, 18 mm, 19 mm
- 3/8" deep sockets, **"Pro-Torque©"**in sizes:
  10 mm, 13 mm, 15 mm, 16 mm, 17 mm, 18 mm, 19 mm, 22 mm, 24 mm
- extension bar in 1/4": 75 mm long
- extension bars in 3/8" and 1/2": 125 mm long
- universal joints: 1/4", 3/8", 1/2"



Item #
4015

PRO+ CV

Tool Tray for Roller Cabinets: Bits and Bit Sockets, 101 pcs.

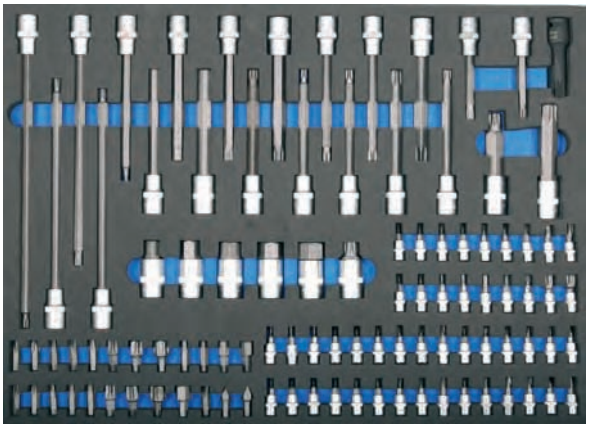
- tool tray made from high-resistance foam
- size: 570x450x30 mm (fits in BGS 4100 + 2001)

bits 5/16" (8 mm) drive, length 30 mm:
- plain slot: 8 - 10 - 12 mm
- cross slot: #3, #4
- PZ: #3, #4
- T-Star: T40, T45, T50, T55, T60, T70
- T-Star, tamperproof: T40, T45, T50, T55, T60, T70
- internal hexagon: 7-8-10-12-14 mm

bit sockets 1/4" drive, length 35 mm:
- plain slot: 4 - 5,5 - 6,5 - 7 mm
- PH: #0, #1, #2, #3
- PZ: #0, #1, #2, #3
- T-Star:T8, T9, T10, T15, T20, T25, T27, T30, T40
- T-Startamperproof: T8, T9, T10, T15, T20, T25, T27, T30, T40
- XZN: M8, M10, M12
- internal hexagon: 3-4-5-6-7-8 mm
- TS-Star: TS-10-15-20-25-27-30-40-45-50

bit sockets 1/2" drive:
- internal hexagon: 14-17-19-22-24 mm (length 55 mm)
- internal hexagon: 10-11-13 mm (length 140 mm)
- XZN: 10-12-14 (length 140 mm)
- Ribe: R7,R8 (length 240 mm)
- T-Star: T-40-45-50-55-60-70 (length 140 mm)

special sizes, 1/2" drive:
- XZN: M9 x 100 mm, M16 x 100 mm
- XZN tamperproof: M16 x 53 mm
- XZN special impact bit socket: M18 x 78 mm
- T-Star: T80 x 100 mm, T30 x 300 mm
- internal hexagon: 7 x 230 mm
- internal hexagon with ball end finish: 5 x 160 mm
- Ribe: R9 x 100 mm, R10 x 140 mm

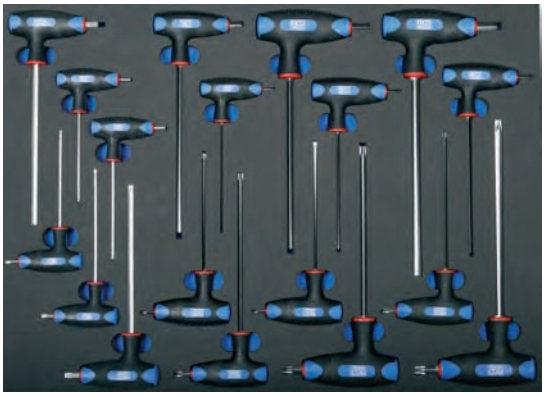


Item #
4017

PRO+ CV

Tool Tray for Roller Cabinets: T-Handle Key Set Int. Hex. & T-Star, 18 pcs.

- tool tray made from high-resistance foam
- size: 570x450x30 mm (fits in BGS 4100 + 2001)
- T-Star:
  T10x100 mm, T15x115 mm, T20x120 mm
  T25x130 mm, T27x140 mm, T30x150 mm
  T40x160 mm, T45x175 mm, T50x200 mm
- Internal Hexagon:
  2x90 mm, 2,5x100 mm, 3x115 mm
  4x120 mm, 5x 140 mm, 6x160 mm
  7x170 mm, 8x175 mm, 10x200 mm

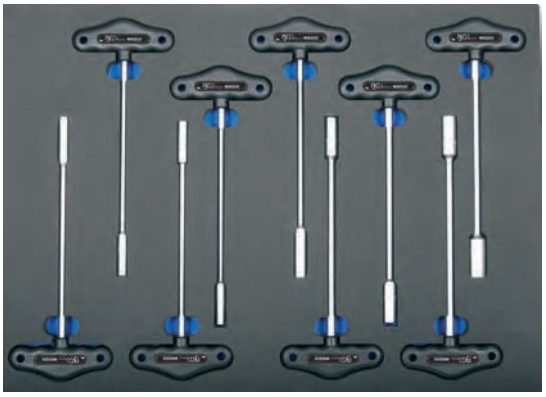


Item #
4010

PRO+ CRO MO

Tool Tray for Roller Cabinets: Internal Hexagon T-Handle Key Set, 9 pcs.

- tool tray made from high-resistance foam
- size: 570x450x30 mm (fits in BGS 4100 + 2001)
- sizes: 6-7-8-9-10-11-12-13-14 mm
- length 230 mm
- satin chrome plated
- ergonomically shaped T-handles



Item #
4013

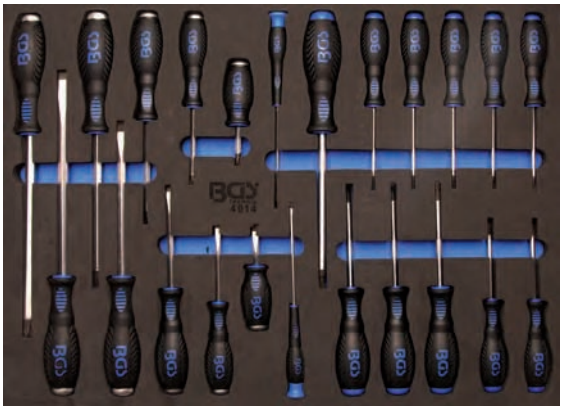
PRO+ CV

Tool Tray for Roller Cabinets: Screwdriver Set, 23 pcs.

- tool tray made from high-resistance foam
- size: 570x450x30 mm (fits in BGS 4100 + 2001)
- cross slot-, plain slot- and T-STAR-screwdrivers
- cross and plain slotted screw drivers with additional square reception in handle
- cross slotted:
  PH 0 x 100 mm, PH 1 x 75 mm, PH 2 x 38 mm
  PH 2 x 100 mm, PH 3 x 150 mm, PH 4 x 200 mm
- plain slotted:
  3,0 x 100 mm, 5,0 x 75 mm, 6,0 x 38 mm
  6,0 x 100 mm, 8,0 x 150 mm, 10,0 x 200 mm
- T-Star:
  T6, T7, T8, T9, T10 x 80 mm
  T15, T20, T25, T27, T30 x 100 mm, T40 x 150 mm

Item #
4014

PRO+ CV



Tool Tray for Roller Cabinets: Pliers Assortment, Hammer, Pin Punch, 17 pcs.

- tool tray made from high-resistance foam
- size: 570x450x30 mm (fits in BGS 4100 + 2001)
- 4-pc circlip pliers set (175 mm long):
  straight and bent tips
  for internal and external circlips
- non-slip cushion grip handles
- VDE Long Nose Pliers "1000 V", straight, 215 mm
- VDE Bent Nose Pliers "1000 V", 215 mm
- VDE Side Cutters "1000 V", 170 mm
- VDE Combination Pliers "1000 V", 185 mm
- VDE Waterpump Pliers "1000 V", 240 mm
- Self Grip Pliers, CV steel, vinyl isolation, 235 mm
- Machinist's Hammer, 500 g, DIN 1041
- 6-pc Parallel Pin Punch Set, CV steel,
  3-4-5-6-7-8 mm (same as BGS 1651)

Item #
4011

PRO+

Tool Tray for Roller Cabinets: Combination Spanner and E-Type Ring Spanners, 22 pcs.

- tool tray made from high-resistance foam
- size: 570x450x30 mm (fits in BGS 4100 + 2001)
- combination spanners in sizes:
  8-9-10-11-12-13-14-15-16-17-18-19-21-22-24-27-30-32 mm
- ring spanners for E-type screws in sizes:
  E6xE8, E10xE12, E14xE18, E20xE24

Item #
4012

PRO+ CV

Tool Tray for Roller Cabinets: Open End / Ring / Ratchet Ring Spanners, 26 pcs.

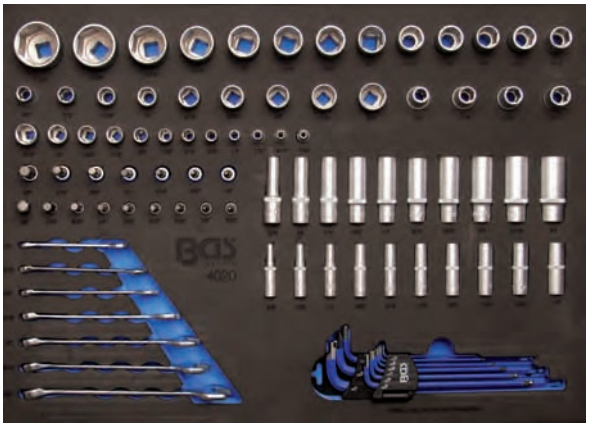
- tool tray made from high-resistance foam
- size: 570x450x30 mm (fits in BGS 4100 + 2001)
- open end spanners, sizes:
  6x7 mm, 8x9 mm, 10x11 mm, 12x13 mm, 14x15 mm
  16x17 mm, 18x19 mm, 20x22 mm
- double ring spanners, deep offset type, sizes:
  6x7 mm, 8x9 mm, 10x11 mm, 12x13 mm, 14x15 mm
  16x17 mm, 18x19 mm, 20x22 mm
- ratchet ring spanners, stubby type:
  - reversible, fine 72 tooth
  - sizes: 10-11-12-13-14-15-16-17-18-19 mm

Item #
4016

PRO+ CV

Tool Tray for Roller Cabinets: Sockets etc. in Inch Sizes, 90 pcs. 10 ◘ 3/8 12.5 ◘ 1/2 6.3 ◘ 1/4

- includes the most important inch sizes
  - 1/2" 6-pt Sockets:
    3/8" - 7/16" - 15/32" - 1/2" - 9/16" - 19/32" - 5/8" -
    21/32" - 11/16" - 3/4" - 25/32" - 13/16" - 7/8" -
    15/16" - 1 1/16" - 1 3/16" - 1 1/4"
  - 1/2" 6-pt Sockets (long type):
    5/16" - 3/8" - 7/16" - 15/32" - 1/2" -
    9/16" - 19/32" - 5/8" - 11/16" - 3/4"
  - 3/8" 6-pt Sockets:
    3/8" - 7/16" - 15/32" - 1/2" - 9/16" -
    19/32" -5/8" - 11/16" - 3/4"
  - 3/8" 6-pt Sockets (long type):
    5/32" - 7/32" - 1/4" - 9/32" - 5/16" -
    11/32" - 3/8" - 7/16" - 15/32" - 1/2"
  - 1/4" 6-pt Sockets:
    5/32" - 3/16" - 7/32" - 1/4" - 9/32" - 5/16" -
    11/32" - 3/8" - 7/16" - 15/32" - 1/2" - 9/16"
  - 3/8" Internal Hexagon Bits:
    1/8" - 5/32" - 3/16" - 1/4" - 9/32" - 5/16" - 3/8"
  - 1/4" Internal Hexagon Bits:
    3/32" - 1/8" - 5/32" - 3/16" -
    7/32" - 1/4" - 9/32" - 5/16" - 3/8"
  - Combination Spanners:
    1/4" - 5/16" - 3/8" - 7/16" - 1/2" - 9/16" - 5/8"
  - Internal Hexagon Wrench
    long side with ball head:
    1/16" - 5/64" - 3/32" - 1/8" -
    5/32" - 3/16" - 5/16" - 3/8"
- satin chrome finish
- knurled
- fits in BGS 2001, 4100 and 4050, 4060 tool cabinets



Item #
4020

PRO+ ZOLL/SAE CV

3/8" Butterfly Type Air Impact Wrench, 155 NM

10 ◘ 3/8

- 1/4" BSP
- loosening torque 100 NM,
  max. torque 155 NM after 15 seconds
- 9000 U/min
- one hand forward and reverse
  butterfly control
- solid and compact finish
- air consumption 85l/min

Item #
3238

PRO CE

16-piece 1/2" Air Impact Wrench Kit, 366 NM

12.5 ◘ 1/2

contents:
- 1/2" reversible impact wrench
- BSP nipple
- oil pot
- 125 mm impact extension bar
- hex. adaptor
- 10 impact sockets
  9-10-11-13-14-17-19-22-24-27 mm
- loosening torque 332 NM
  max. torque 366 NM after 15 seconds (320 NM after 5 seconds)
- air consumption 113 l/min

Item #
3223

PRO CE

1/2" Air Impact Wrench from # 3223, loose, 366 NM

12.5 ◘ 1/2

- loosening torque 332 NM,
  max. torque 366 NM after 15 seconds
- air consumption 113 l/min

Item #
3209

PRO CE

Air Impact Wrench 1/2", 610 NM

12.5 ½

- extra small & light edition, weights only 1,5 kg
- air consumption 198 l/ minute
- free speed 11.000 RPM
- Hose adaptor 1/4" (nipple included)
- Sound pressure 87 DBA

3 setting options:

forward:
- Speed 1 (after 15 seconds) 180 ft.lb /245 NM
- Speed 2 (after 15 seconds) 300 ft.lb /408 NM
- Speed 3 (after 15 seconds) 450 ft.lb /610 NM

reverse:
- Speed 1 (after 15 seconds) 210 ft.lb /286 NM
- Speed 2 (after 15 seconds) 340 ft.lb /462 NM
- Speed 3 (after 15 seconds) 500 ft.lb /680 NM

Item #
3246

PRO+ CE

Air Impact Wrench 12.5 (1/2), Composite Housing, 880 NM

- very durable, suitable for daily use in workshops
- handy and well balanced
- drive: 12.5 (1/ 2)
- peak torque after 15 sec. 1110 Nm
  - Level 1: 200 Nm
  - Level 2: 610 Nm
  - Level 3: 880 Nm
- air consumption: min 139 l / min
- working pressure: 6.2 bar
- connector: 6,3 (1/4)
- hose inside diameter (recommended): 10 mm

Item #
3280

PRO+ CE

Air Impact Wrench 1/2", 1085 NM

12.5 ½

- impact mechanism: twin hammer
- max. torque: 800 FT-LB (1085Nm)
- free speed: 7500 R.P.M.
- air consumption: 7.4 CFM (210 l/min)
- hose inner diameter: 3/8" (10 mm)
- air inlet: 1/4"
- weight: 5.5 LBS (2.5kg)
- length: 6-1/2" (164 mm)
- same construction as BGS 3246

Item #
3247

PRO+ CE

1/2" Air Impact Wrench "Powerhouse", 1355 NM

12.5 ½

- heavy duty impact wrench for everyday workshop use
- air consumption 390l/min
- torque:
  step 1: 580- 650 NM
  step 2: 745- 810 NM
  step 3: 950- 1017 NM
- max. torque after 15 seconds: 1355 NM

Item #
3233

PRO+ CE

16-piece Air Impact Wrench Set 1/2", 1355 NM

12.5 ½

- heavy duty impact quality for workshop use
- 3 protective impact sockets in 17, 19 and 21 mm
- 125 mm extension bar
- 60 mm universal joint
- sockets: 12, 13, 14, 15, 16, 17, 18, 19, 21 and 22 mm
- Impact wrench:
  air consumption 390 l/h
  torque:
  Step 1: 580-650 NM
  Step 2: 745-810 NM
  Step 3: 950-1017 NM
  max. torque after 15 seconds: 1355 NM

Item #
5259

PRO+ CE CROMO

3/4" Air Impact Wrench, 700 NM

20 ¾

- loosening torque 678 NM,
  max. torque 880 NM after 15 seconds
- 3/8" BSP
- operating air pressure 6-8 bar
- air consumption 285l/min

Item #
3225

PRO CE

Air Impact Wrench, 3/4", 1152 NM

20 ◘ ¾

- impact mechanism: Twin Hammer
- max. torque: 850 FT-LB (1152Nm)
- free speed: 7500 R.P.M.
- air consumption: 7.4 CFM (210 l/min)
- hose inner diameter: 3/8" (10 mm)
- air inlet: 1/4"
- weight: 5.61 LBS (2.55kg)
- length: 6-3/4" (170 mm)
- same construction as BGS 3246

Item #
3248

PRO+ CE

3/4" Air Impact Wrench, 1355 NM

20 ◘ ¾

- weight 2200 g
- air consumption 390 l/min
- torque:
  step 1: 580- 650 NM
  step 2: 745- 810 NM
  step 3: 950- 1015 NM
- max. torque after 15 seconds: 1355 NM

Item #
3235

PRO+ CE

Air Impact Wrench, 3/4", 1762 NM

20 ◘ ¾

- side handle for better grip
- square drive: 3/4"
- max. torque: 1300 ft-lbs / 1762 Nm
- air pressure: 90 psi
- avg. air consumption: 6.6 cfm
- free speed: 4400 rpm
- air inlet: 3/8"
- weight: 6300g

Item #
32805

PRO+ CE

1" Air Impact Wrench, 2169 NM

25 ◘ 1

- air pressure: 90-115 PSI
- air consumption 380 l/min
- torque:
  step 1: 1288 Nm
  step 2: 1762 Nm
  step 3: 2033 Nm
- max. torque after 15 seconds: 2169 Nm

Item #
3240

PRO+ CE

1" Impact Wrench, 2034 Nm

25 ◘ 1

- very handy with pistol grip and side handle
- square drive: 1"
- max. torque: 2034 nm
- working air pressure: 90 psi
- max. air pressure: 100 psi
- air consumption: 7,0 cfm
- max. rpm: 5300
- air inlet: 3/8"
- recommended hose: 1/2"
- max. sound level: 105,4 db/(A)
- weight: 4900 g

Item #
8497

PRO+ CE

Air Impact Screw Driver, 57 NM

6.3 ◘ ¼

- suitable for all 1/4" bits
- due to retaining mechanism the bits and adapters cannot fall out
- drive: 1/4" inside 6-pt.
- torque: 57 Nm
- rotation speed: 9,000 rpm
- length: 240 mm
- wight: 1130g
- max. working pressure: 6.2 bar
- air connection: 1/4"
- air consumption: 5 cfm

Item #
3293

PRO+ CE

Air Impact Wrench Set for Glow Plugs

6.3 ◘ ¼

- allows loosening of stuck glow plugs
- can also be used on screws where a low torque is required
- 4-stage torque adjustable to approx. 20-30-40-50 NM to minimize the risk of tear-off for the glow plugs
- torque setting is possible in forward and reverse rotation
- incl. 4 deep sockets in 8, 9, 10, 11 and 12 mm, 1 extension and 1 universal joint
- 1/4" drive bar
- working pressure: 6.2 bar

Item #
3320

PRO+ CE

Air Ratchet, extra-short type, 30 NM

- very handy and powerful type
- max. torque: 22 ft-lbs (30Nm)
- max. air pressure: 90psi (6,3 bar)
- average air consumption: 3.9 CFM (110L/min)
- max. speed: 300 rpm
- air inlet: 1/4"
- length: 5-1/2" (140 mm) only
- weight: 1.1lbs (500g)

PRO+ CE

Item #	Description
8472	Air Ratchet, extra-short type, 1/4"
8473	Air Ratchet, extra-short type, 3/8"

1/4" Reversible Air Ratchet, 34 NM

6.3 ◘ 1/4

- max. torque: 34 NM
- free speed: 240 rpm
- length: 175 mm
- max. pressure: 6.2 bar
- air consumption: 4 cfm

Item #
3234

PRO CE

3/8" Reversible Air Ratchet, 47 NM, stubby type

10 ◘ 3/8

- spring-loaded ball bearing
- max. torque 34 Nm
- operating with 90 PSI
- length 175 mm
- air consumption 85 l/min

Item #
3239

PRO CE

1/2" Reversible Air Ratchet, 68 NM

12.5 ◘ 1/2

- spring-loaded ball bearing
- max. torque 68 Nm
- operating with 90 PSI
- length 265 mm
- air consumption 113 l/min

Item #
3229

PRO CE

1/2" Reversible Air Ratchet, 74 NM

12.5 ◘ 1/2

contents:
- 1/2" reversible ratchet
- spring-loaded ball bearing
  (operating with 90 PSI), length 250 mm
- 7 impact sockets 9-10-11-13-14-17-19 mm
- impact extension bar 75 mm
- 1 bit holder 75 mm
- 3 bits
- air consumption 113 l/min

Item #
3224

PRO+ CE

Air Ratchet Wrench, 1/2"

- special long lasting ratchet mechanism
- rubber handle
- torque: 108 Nm
- free speed: 180 rpm
- max. working pressure: 6.2 bar
- air connection: 1/4"
- air consumption: 113 l/min
- weight: 1300g
- length: 170 mm

Item #
3282

PRO+ CE

Air Multi-Tool with 3 changeable Working Heads

- quick release for faster and easier change of working heads
- 3 tools in one
  - 12.5 (1/2) air ratchet
  - drilling maschine
  - air grinder with 6 mm shank
- incl. chuck
- working pressure: 6.3 bar
- air connection: 1/4"
- quick air coupling

Item #
3262

PRO CE

Air Spot Welding Cutter

- new model with guiding lever
- incl. 4 drills/cutters
- air consumption 170 l/min

PRO+ CE

Item #	Description
3205	Air Spot Welding Cutter
3205-1	4-pc. Milling Cutter Set for BGS 3205

Air Nibbler

- for cutting a wide range of material up to 1mm thickness cleanly (e.g. sheet metal)
- air consumption 120 l/min

PRO+ CE

Item #	Description
3237	Air Nibbler
3237-1	Replacement Blades for Air Nibbler BGS 3237

Airbrush Gun

- adjustable spray pattern
- for 1/4 "air hose
- 1.0 to 3.5 bar
- various accessories:
  - nozzle holder
  - hose
  - tanks
- nozzle diameter: 0.35 mm

Item #
3276

PRO+ CE

Air Sander Set

- heavy duty ABS-body
- sand container can keep up to 600 cm³, can be used with brown aluminum oxide and grain sizes from 46 - 100
- 1/4" air inlet, air consumption 3,3 liter / sec.
- 5 mm steel tip

PRO+ CE

Item #	Description
3244	Air Sander Set
3244-1	Replacement Tips for Sand Blasting Gun BGS 3244

Combination Air Nailer, 50 mm

- suitable for brads 10 - 50 mm
  and narrow crown staples 16 - 40 mm
- air inlet: 1/4 npt
- max. pressure: 120 psi
- air consumption: 1.4 l/min with 4 bar working pressure
- operating pressure: 58 - 100 psi
- noise pressure: 82 db
- magazine capacity: 100 pcs.

Item #
32801

PRO+ CE

Combination Air Nailer, 32 mm

- suitable for brads 15 - 32 mm
  and narrow crown staples 16 - 32 mm
- air inlet: 1/4 npt
- max. pressure: 120 psi
- air consumption: 0,9 l/min under 4 bar working pressure
- operating pressure: 58 - 100 psi
- noise pressure: 78 db
- magazine capacity: 100 pcs.

Item #
32802

PRO+ CE

Air Nailer, 16 mm

- suitable for brads 6 to 16 mm
- air inlet: 1/4 npt
- max. pressure: 120 psi
- air consumption: 0,5 l/min under 4 bar working pressure
- operating pressure: 58 - 100 psi
- noise pressure: 82 db
- magazine capacity: 140 pcs.

Item #
32803

PRO+ CE

Twister Gun

- for cleaning heavily soiled surfaces
- suitable for all types of mixing cleaners
- with integrated shut-off valve also suitable for
  drying after cleaning
- max. working air pressure: 8.5 bar
- air consumption: 310 l/min
- tank capacity: 1 litre

Item #
3277

PRO+ CE

Air Caulking Gun, for 310 ml Cartridges

- for permanent sealing materials, adhesive paste, groove sealants etc.
- for paper, aluminum and plastic cartridges
- with pressure release, avoids material leakage
- controller for quantity adjustment

Item #
3514

PRO+ CE

Air Spray Gun Set

- perfect for paint repairs and repainting cars, trucks, machinery and other surfaces
- includes:
  - 1 HLVP spray gun for painting small surfaces cup size 125 ml, nozzle size 0.8 mm, weight 230 g
  - 1 HLVP spray gun for painting large surfaces cup size 600 ml, nozzle size 1.3 mm, weight 490 g
  - 1 pressure regulator with gauge
  - 1 cleaning brush
  - 1 multifunction wrench
- maximum pressure: 4.8 bar (70 psi)
- recommended operating pressure: 1.4 - 3.45 bar
- aluminium body
- air connection 1/4"

Item #
8381

PRO+ CE

Sand Blaster Gun

- with rubber feeding hose, inner-Ø 10.5 mm
- 1/4" air connection

Item #
8382

PRO+

Air Sander Set

- perfect for all applications around the car body and all other metal surfaces
- can be used with brown aluminum oxide and grain sizes from 46 - 100
- for removing old paint, rust, dirt etc.
- 4 different caps included
- easy-to-use:
  1. fill about 1/3 of the bag with shot
  2. chose an appropriate cap
  3. connect to your air compressor
  4. start sandblasting
- for 1/4" air hoses
- working pressure: 4-12 BAR
- air consumption: 350 l/min.

PRO+

Item #	Description
3243-TASCHE	Sandblast Bag for BGS 3243
3243	Air Sander Set

Air Angle Drill

- suitable for working in confined spaces for e.g. drilling out broken screws on engines, etc.
- chuck size: 10 mm (3/8")
- length: 195 mm (7-11/16")
- air pressure: 6.2 bar (90PSI)
- air consumption: 105 L/min (3.7 CFM)
- free speed: 1.800 RPM
- air inlet: 1/4"
- hose size: 10 mm (i.d.) (3/8")
- weight: 0.9 kg (2.0 lbs)

Item #
8471

PRO+ CE

7-piece Air Hammer Kit, for 10 mm round chisel

- suitable for work on car body and for mechanics
- includes:
  - 4 chisel with different profiles
  - quick release head
  - plastic coated air hammer
- specifications:
  - strokes per minute: 3,500
  - air consumption: 179 l / min
  - chisel shank: round, 10 mm
  - stroke: 67 mm
  - working pressure: 6.2 bar
  - air connection: 1/4 "
  - length: 170 mm
  - weight: 1.60 kgs

- especially suitable with Vibro Chisel Set BGS 8436

Item #
3515

PRO+ CE

9-piece Vibro Impact Chisel Set

- ideal for loosening rusty bolts and components
- chisels have different profiles to facilitate dismantling
- using these tools has a rust-removing effect and ensures deep entering of rust removers
- suitable for ball joints, bearings, bushings, sleeves etc.
- for all air chisel with 10 mm 6-pt. and round adaptor, e.g. BGS 3515

Item #
8436

PRO+

Air Needle Scaler

- ideal for removing rust and paint
- stroke speed: 4000 bpm
- air pressure: 90 psi (6.2 bar)
- air consumption: 7.0 cfm (198 l/min)
- air inlet: 1/4"
- weight: 4.19 lbs (1.90kgs)
- length: 13" (330 mm)

Item #
8540

PRO+ CE

Air Tool Kit

contents:
- 1 tire inflator with gauge
- 1 blow gun
- 1 air hose
- 1 spray gun, ideal for most spray shop applications
- 1 paraffin/washing gun

All parts manufactured from aluminium diecast

Item #
3214

PRO CE

Air Brake Piston Wind Back Tool

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

Item #
1118

PRO+ CE

Air Car Body Saw

- free speed: 9.000 rpm/min
- length: 235 mm
- weigth: 770 g
- air consumption: 120 L/minute
- air pressure: 6,2 bar
- noise level: 72,0 dB (a)
- acceleration: 26,0 m/s²
- max. cutting capacity: 1,2 mm

Item #
3260

PRO+ CE

3 Sawing Blades for Air Body Saw Item# 3260

- one blade each 18-24-32 tooth
- made from high grade bi-metal
- cuts up to 1.2 mm thickness
- blade length 95 mm

Item #
3261

PRO+

CV Boot Air Assembly Tool

- solid Aluminum construction
- 20-115 mm spread (adjustable)

Item #
162

PRO+ CE

Air "Window Seal Cutter"

- easy removal of glued car windows
- incl. screwed hose and knife
- 1/4" BSP
- air consumption 113 l/min

Item #
3218

PRO+ CE

Spare Cutting Knifes for Air "Window Seal Cutter" BGS 3218

for BGS 3218 (Air Window Remover)

PRO+

Item #	Description
3219	Spare Knife, straight, 52x1 mm (1 piece)
3257	2 Spare Knifes, half round, 2x24 mm, for Art. 3218
3258	2 Spare Knifes, half round, 2x36 mm, for Art. 3218

7-piece Cutting Knifes Set for Air "Window Seal Cutter" BGS 3218

- for BGS 3218 (Air Window Remover)

Item #
3256

PRO+

Air Spray Gun

- for detergent and solvent

Item #
3220

PRO+

Air Spray Gun, 1000 ccm

- for detergent and solvent

Item #
3204

PRO

Air Paint Gun, 500 ccm

- 1.5 mm spray valve
- universal head: round, wide, flat

Item #
3206

PRO

Mini Air Spray Gun, 120 ccm

- aluminium body
- chromed surface
- PP cup 120 ccm, with filter
- stainless nozzle (0.8 mm)
- air inlet: euro type quick connector

Item #
3315

PRO+

24-piece Spray Gun Cleaning Kit

- 3 large brushes
- 5 mini brushes
- 2 aluminum holders
- 6 micro needles
- 1 brass brush
- 1 large cleaning brush
- 1 plastic bottle with special lubrication fluid for air spray guns

In storing case

Item #
3270

PRO+

Air Edge Setter / Hole Punch Pliers

- length 255 mm
- stampØ 5 mm
- punches up to 1.5 mm thickness
- also suitable for stainless sheets
- air consumption 113 l/min

Item #
3255

PRO+ CE

Air Underbody Coating Gun

- fits on all standard cartridges
- incl. flexible 600 mm air hose

Item #
3203

PRO+

Air Blow Gun with Venturi Nozzle

- the Venturi nozzle increases the air flow rate many times, making it easier to loosen dust

Item #
8538

PRO+

Air Blow Pin

- espacially suitable for small spaces
- operated by gently bending the grommet
- good handling
- length 80 mm

Item #
3278

PRO+

Air Blow Gun, Length 110 mm

- miniature finish
- adjustable blow
- with clip-holder

Item #
3210

PRO+ CE

Air Blow Guns

- chrome plated seamless steel tube
- nylon fibre body with trigger
- 1/4" PT

PRO+ CE

Item #	Description
3208	Air Blow Gun, Length 100 mm
3207	Air Blow Gun, Length 250 mm
3202	Air Blow Gun, Length 330 mm

High Performance Air Blow Gun with Venturi Nozzle

- with long steel pipe for blowing air into tight, confined spaces
- with venturi nozzle for higher air flow

Item #
8559

PRO+

Air Blow Gun, Aluminium Diecast Body

- incl. 3 tubes 25-100-200 mm

Item #
3215

PRO

Air Blow Gun, Aluminium Diecast Body

- heavy duty
- aluminium body

Item #
3212

PRO

Air Eraser with Hoover Connection

- for the proper removal of stickers, adhesive residue and films on smooth surfaces and coatings
- specially designed for use on vehicles
- also for use on aluminum, metals, glass and plastic
- after working, surfaces are polished
- especially suitable for professional vehicle preparation
- with 28 and 34 mm hoover connection
- includes adaptors for: 110 mm abrasive cleaning fleece, 110 mm erasers and adaptation for round steel brushes
- air pressure: 90psi
- speed: 4000 rpm

PRO+ CE

Item #	Description
3274	Air Eraser with Hoover Connection
3274-1-1	Wire Brush 103 x 23 x 0.5, straight for BGS 3274
3274-1-2	Wire Brush 103 x 23 x 0.5, bent, for BGS 3274
3274-1-3	Wire Brush 103 x 23 x 0.7, bent, for BGS 3274
3274-2	Sanding Wheel 115 mm, for BGS 3274
3274-3	Eraser Wheel 105 x 30 x 53 mm, for BGS 3274
3274-4	Wire Brush Adapter for BGS 3274

Air Eccentric Polisher

- 150 mm velcro holder for polishing and grinding discs
- rotation speed: 10.000 rpm
- max. working pressure: 6.2 bar
- air connection: 1/4"
- length: 225 mm
- wight: 1900g
- air consumption: 142 l/min

Item #
3290

PRO+ CE

Air Angle Sander

- 30, 50 and 70 mm velcro disc holder, shaft M6 x 1
- rotation speed: 14,000 rpm
- length: 185 mm
- weight: 830g
- max. working pressure: 6.2 bar
- air connection: 1/4"
- air consumption: 127 l/min

Item #
3291

PRO+ CE

170 mm Air Die Grinder Short

- heavy and robust extended air die grinder for universal use
- for contour grinding, cutting, polishing, shaping, deflashing and keying
- capacity ¼" (6 mm)
- shaft size 5" (127 mm)
- free speed 22000 RPM
- required air pressure 90 PSI / 6.2 Bar
- air inlet ¼" (6.3 mm)
- average air consumption: 127 l/min
- overall length 170 mm (6.7")
- net weight 600g

Item #
3264

PRO+ CE

340 mm Extended Air Die Grinder

- heavy and robust extended air die grinder for universal use
- for contour grinding, cutting, polishing, shaping, deflashing and keying
- capacity ¼" (6 mm)
- shaft size 5" (127 mm)
- free speed 22000 RPM
- required air pressure 90 PSI
- air inlet ¼" (6.3 mm)
- average air consumption: 127 l/min
- overall length 13.4" (340 mm)
- net weight 2.90 LBS (1300g)

Item #
3271

PRO+ CE

155 mm Air Die Grinder 90° Angle

- heavy and robust extended air die grinder for universal use
- for contour grinding, cutting, polishing, shaping, deflashing and keying
- capacity: 1/4" (6 mm)
- shaft size: 127
- free speed: 18,000 RPM
- required air pressure: 90 PSI / 6.2 BAR
- air inlet: 1/4"
- average air consumption: 99 l/min
- length: 155 mm
- weight: 790 g

Item #
3269

PRO+ CE

Air Separation Tool, extra long, flat Head

- cutting disc Ø 100 mm / 4" adapter Ø 16 mm
- free speed 14000 rpm
- air pressure 6.3 bar / 90 psi
- air consumption 88 L/min
- air inlet 1/4"
- hose size 3/8"
- length 376 mm
- weight only 1.44 kg
- sound level 84 dBA
- vibration 0.6 m/s²
- head height including spark protection 60 mm
- cutting disc available under BGS item Nr. 3266

Item #
3268

PRO+ CE

17-piece Micro Air Grinder Kit

- 54.000 speed /min
- 1/4" air hose connection
- air consumption 0,143 m3/min
- 90 PSI air pressure required
- various grinding stones and automatic oiler included

Item #
3249

PRO+ CE

Pistol-Grip Air Inflator

- aluminium diecast
- with flexible 400 mm hose
- gauge reads 270° (0-12 bar)

Item #
3201

PRO CE

Pistol-Grip Air Inflator, calibrated

- made in Europe, calibrated
- operating range: 0-10 BAR
- rubber coated test gauge
- length of hose: approx. 400 mm
- scale diameter 56 mm

Item #
55400

PRO+ CE

Pistol-Grip Air Inflator with Gauge, 0-10 bar

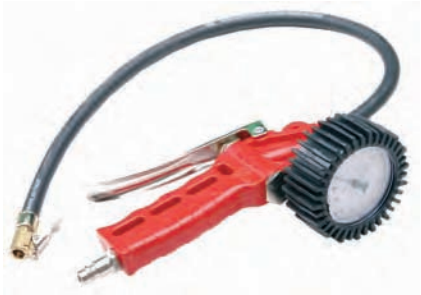
- 80 mm Ø-scale
- 50 cm tube

Item #
3242

PRO CE

Pistol-Grip Air Inflator, calibrated

- made in Europe, calibrated
- operating range: 0-10 BAR
- rubber coated test gauge
- Length of hose: approx. 540 mm
- scale diameter 56 mm



Item #
55410

PRO+ CE

Tire Inflating Device, 0-11 bar

- inflating connection separate from inflating handle
- pressure gauge is protected by aluminum housing
- offset inflating nozzle
- hose between the inflating connection and housing coated with protective spring
- pressure gauge scale 0-11 bar / 0-160 psi
- heavy duty finish, tool weighs ca. 1180 g
- length of tool body ca. 260 mm

Item #
55415

PRO+ CE

Spare Hoses with Adaptor for Air Inflators

- made in Europe
- fits BGS items 3242, 55400, 55410

PRO+

Item #	Description
55401	Spare Hose with Adaptor for Air Inflators, 40 cm
55411	Spare Hose with Adaptor for Air Inflators, 60 cm

Spare Hose with Adaptor for Air Inflators, 40 cm

- fits BGS items 3242, 55400, 55410

Item #
3242-1

PRO

Air Hose with Automatic Rewinder, 12 m, High Quality Finish

- with wall holder
- 1/4" plug
- hose diameter 8 mm / 12 mm (internal / external)
- solid metal housing

PRO+

Item #	Description
3252	Air Hose with Automatic Rewinder, 12 m, High Quality Finish
3252-1	Replacement Quick Coupler for BGS 3252

Air Hose, 10 m, Internal Diameter 6 mm

- 1/4" BSP
- 20bar / 290psi maximum pressure

Item #
3250

PRO

Spiral Air Hose, 10 m

- 1/4" air adaptor with quick release
- hose inside diameter: 8 mm
- hose outside diameter: 10 mm

Item #
66528

PRO+

Spiral Air Hose, 10 m

- 1/4" air adaptor with quick release
- hose inside diameter: 6 mm
- hose outside diameter: 8 mm

Item #
3265

PRO

Exhaust Air Hose for Air Tools, 530 mm

- keeps dirty air away from the car
- lowers the noise level
- suitable for BGS item# 3233, 3235, 3245

Item #
68010

PRO+

Mini Oiler, 1/4" BSP

Item #
3241

PRO

Coupling, 1/4" internal Thread

- for air hoses
- ball headed joint
- 360° turnable

Item #
3227

PRO+

Nipple, 1/4" external Thread

- for various air tools

Item #
3222

PRO+

Coupling, 1/4" external Thread

- for air hoses
- ball headed joint
- 360° turnable

Item #
3228

PRO+

Air Quick Coupler

- brass
- for standard air hoses
- 6 mm long nipple

Item #
3226

PRO+

Air Nippel, 1/4"

- wear part for air inflators
  Art. 3201, 3241, 55400, 55410
- fixed with hose clamp (not included)

Item #
68012

PRO+

Air Pressure Regulator, 0.275 - 11 bar

- continously variable from 0,275 - 11 bar
- protects air tools by reducing the air pressure from the compressor
- can be mounted directly on the air tool or connected to the compressor / air distributor
- dimensions: 33 x 45 x 55 mm

Item #
3263

PRO+

Magnetic Holder

- for air tools / other tools
- capacity: 4.5 kg

Item #
1158

PRO+

Magnetic Air Tools Holder

- holds air impact wrenches, wheel nut sockets and torque wrenches on lifting platforms
- 2 strong magnets
- 23 kg lifting capacity

Item #
1159

PRO+

Cordless Drill Set, 18V

- powerful 18V cordless drill
- high quality "quick-change chuck" 10 mm
- rubber coated non-slip handle
- electronic speed adjustment from 0-900 rpm
- constant rpm even under load
- enviroment-friendly rechargeable batteries

Set contents:
- 18 Volt Cordless Drill with quick-change chuck 10 mm
- charger
- 2 pcs. 18 Volt battery 1,2 Ah
- 6 drills 1.5-2.5-3-4-5-6 mm
- 6 bits PH1-PH2-PZ1-PZ2-5 mm-6 mm
- 1 double bit
- 1 magnetic holder

PRO+ CE

Item #	Description
9930	Cordless Drill Set, 18V
9930-1	Spare Charger for BGS 9930

10.8 V Cordless Drill, with 2 Li-Ion batteries

- 10.8V DC handy cordless drill driver
- set includes:
- **cordless drill**
  - no-load speed: 0-800 U/min
  - max. torque: 81kg-cm (8.1ft-lb)
  - no-load current: 2.2A
  - weight (without battery): 0.75 kgs
- **charger**
  - for gentle charge at all states of charge
  - charging time: 1 hour (with automatic shut-off)
- **2 Li-Ion batteries**
  - low self discharge
  - suitable for quick charging
  - powerful and durable

Item #
9931

PRO+ CE

5-piece Battery Ratchet Set, in tool tray for roller cabinets

- suitable for automotive workshop use
- professional devices with aluminum housing
- ratchet mechanism made of hardened steel
- right-and left running, adjustable at ratchet head (like a manual ratchet)
- includes:
  - 6.3 mm (1/4) - 10 (3/8) and 12.5 (1/2) ratchet
  - 2 high-capacity battery
  - an electronically controlled charger for gentle charging at any charge state with automatic shutdown
- specifications:

	1/4"	3/8"	1/2"
- drive size:			
- idle speed:	220 rpm	180 rpm	180 rpm
- max. torque:	34Nm	62Nm	62Nm
- weight:	980 g	1330 g	1330 g
- voltage:	10.8 V	10.8 V	10.8 V

- battery weight: 185 g
- battery voltage: 10,8V
- charging time: 1hour

- tray size: 285 x 405 mm (1/2 drawer)

Spare Battery Li-Ion available as BGS 9916
Spare Charger available as BGS 9917

Item #
4018

CE

8-piece Li-Ion Battery Polisher and Grinder Set, in tool tray for roller cabinets

- suitable for automotive workshop use
- tray size: 285 x 405 mm (1/2 drawer)
- includes:
  - 1 grinder - 1 polisher - 1 work lamp
  - 2 high-capacity batteries
  - electronically controlled charger for gentle charging at any charge state with automatic shutdown
- specifications:

	polisher	sander
- voltage:	10.8 V	10.8 V
- speed:	3000 rpm	22000 rpm
- torque:	350 kg-cm	630 kg-cm
- weight:	875 g	805 g

	work lamp
- voltage:	10.8 V
- brightness:	160 / 35 lux
- burn time:	9 / 35 h
- weight:	433 g

	battery
- weight:	185 g
- voltage:	10.8 V Li-Ion
- charging time:	1 hour

- tray size: 285 x 405 mm (1/2 drawer)

Spare Battery Li-Ion available as BGS 9916
Spare Charger available as BGS 9917

Item #
4019

CE

Professional Cordless Caulking Gun, LI-ION, 10.8 V

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

Item #
8496

PRO+ CE

Replacement Charger for BGS 4018, 4019, 9931, 8496

Item #
9917

PRO+ CE

10,8V Li-Ion Replacement Battery for BGS 4018, 4019, 9931, 8496

Item #
9916

PRO+ CE

Cordless Impact Wrench 530 NM

12.5 ½

- max. torque: 530 NM
- weight: only 3.2 kg
- dimensions: 254x80x269 mm (LxWxH)
- powerful 19.2 V motor, air cooled
- solid impact gearbox, speed adjustable
- free-wheel speed: 0-1800 RPM
- production approved by ISO 9001
- long life due to metal gearbox body
- ergonomically shaped soft grip for convenient extended use
- for loosening and tightening up to 160 wheel nuts with just one fully charged battery
- incl. one rechargeable battery 19.2 V (NI-CD), 2.0 AH and an one-hour-quick-charger
- manual included

In strong blow mould carrying case

PRO+ CE

Item #	Description
9905	Cordless Impact Wrench 530 NM
9902	1-Hour Quick-Charger for Impact Wrench 9905
9901	Rechargeable Battery for Impact Wrench 9905

Rechargeable Grease Gun, 12V

- 3-way loading: Cartridge + Bulk + Pump
- maximum working pressure: 6.000 psi / 420 bar
- 750 mm flexible hose
- with spring guard
- self-locking trigger
- battery capacity display
- 12 V / 1,7 Ah NiCd rechargeable battery
- incl. additional battery
- quick charger
- grease reservoir
- capacity: 14,5 oz
- grease output: 2,6 oz / min. at 1000 psi

Rechargeable battery allows mobile working - ideal for cars and machines, perfect equipment for all service teams.

PRO+ CE

Item #	Description
3145	Rechargeable Grease Gun, 12V
3145-3	Charger for Grease Gun BGS 3145
3145-1	Replacement Battery for Cordless Grease Gun BGS 3145
3145-2	Replacement Hose with Nozzle for BGS 3145

1/4" Torque Driver, 1-5 NM, Length 235 mm

6.3 ◘ 1/4

- incl. bit-adaptor
- auto-adjusting
- click signal if set torque is reached

Packed in a plastic case

Item #
975

PRO+

3/8" Torque Wrench, 13.6-108.5 NM, incl. Adaptor to 1/2"

10 ◘ 3/8

- Stop screw adjusts torque
- approx. 28 cm

Item #
961

PRO

Torque Wrenches

- reversible ratchet with automatic release with "click signal"
- stop screw adjusts torque

PRO

Item #	Description
960	Torque Wrench, 1/4", 5-25 NM
959	Torque Wrench, 3/8", 5-25 NM
962	Torque Wrench 3/8", 7-105 NM
98	Torque Wrench, 1/2", 28-210 NM, 3/8" Adaptor + Extension
964	Torque Wrench, 1/2", 70-350 NM

Torque Wrenches "Workshop Pro"

- reversible ratchet with automatic release via "click signal"
- torque adjustable by stopping device
- high precision
- delivered with calibration certificate

PRO+

Item #	Description
967	Torque Wrench "Workshop", 1/4", 6-30 NM
966	Torque Wrench "Workshop", 3/8", 20-110 NM
965	Torque Wrench "Workshop", 1/2", 42-210 NM
971	Torque Wrench "Workshop", 1/2", 70-350 NM
968	Torque Wrench "Workshop", 3/4", 100-500 NM
969	Torque Wrench "Workshop", 3/4", 140-700 NM
990	Torque Wrench "Workshop", 3/4", 140-980 NM
970	Torque Wrench "Workshop", 1", 140-980 NM

Workshop Torque Wrench with Window Scale

- reversible ratchet with automatic release via click signal
- torque adjustable by stopping device
- high precision, easy-to-read scale
- delivered with calibration certificate

PRO+

Item #	Description
2799	Workshop Torque Wrench, 1/4", 6-30 Nm
2800	Workshop Torque Wrench, 3/8", 20-100 Nm
2801	Workshop Torque Wrench, 1/2", 40-200 Nm
2802	Workshop Torque Wrench, 1/2", 60-320 Nm

Torque Wrench Ratchet Repair Set

Item #	Description
958-REPAIR	Torque Wrench Repair Set Art. 958
965-REPAIR	Torque Wrench Repair Set for Art. 965
966-REPAIR	Torque Wrench Repair Set for Art. 966
968-REPAIR	Torque Wrench Repair Set for Art. 968, 990
969-REPAIR	Torque Wrench Repair Set for Art. 969, 990
970-REPAIR	Torque Wrench Repair Set for Art. 970
971-REPAIR	Torque Wrench Repair Set for BGS 971 / 964
973-REPAIR	Torque Wrench Repair Set Art. 973
2801-REPAIR	Torque Wrench Repair Set Art. 2801

11-piece Torque Wrench Set, 40-210 Nm

12.5 ½

- 9 open end wrenches 13-14-15-17-19-22-24-27-30 mm
- Calibration certificate included

Item #
958

PRO+ CV

Digital Torque Wrench, 1/2", 20-200 NM

12.5 ½

- for precise adjustment of the torque
- digital display
- always shows current torque in display when working
- works in both left and right direction
- makes acoustic signal when reaching the preset torque
- torque can be displayed in NM, ft-lb, lbf-inch

Item #
973

PRO+

Digital Torque Adaptors

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

PRO+

Item #	Description
979	Digital Torque Adaptor, 1/4", 6-30 Nm
978	Digital Torque Adaptor, 3/8", 27-135 Nm
977	Digital Torque Adaptor, 1/2", 40-200 Nm

Battery CR2032, for BGS 977, 978, 979, 1943, 9330

- CR2032 standard battery

Item #
9700

PRO+

Electronic Torque Angle Adaptor, 1/2", 40-200 Nm

12.5 ½

- suitable for tightening bolts with defined torque or angle
- instantaneous torque/angle is displayed and signal is given when the value is reached
- easy to use
- space-saving torque tool
- accuracy +- 2%

- protected in storage box

Item #
974

PRO+

6-piece Torque Enhancer Kit, 1/2" + 3/4"

20 ■ ¾ | 12.5 ■ ½

- 1/2" drive, max. torque 300 NM
- 3/4" drive, max. torque 1000 NM
- gear rate 1:4, torque rate 1:3,3
- overall length (with straight handle bar) 460 mm
- can alternatively be combined with an angle bar that abridges in the rim
- includes 1/2" ratchet with quick release function (fine toothed) and crank handle for quick and easy spinning
- includes power adaptor 3/4" intake x 1/2" output for working on ordinary wheel nuts

PRO+

Item #	Description
1204	6-piece Torque Enhancer Kit, 1/2" + 3/4"
1204-REPAIR	Repair Set for Torque Multiplier Item 1204

Torque Multiplier Set

25 ■ 1

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

PRO+

Item #	Description
1230-REPAIR	Repair Set for Torque Multiplier
1230	1" Torque Multiplier Set

Torque Multiplier

25 ■ 1

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

Item #
1230-1

PRO+

1/2" Torque Setting Angular Gauge, int. Square Head

12.5 ½

- for operating in combination with torque wrenches, ratchets, sockets and accessories
- to accurately set the degrees of turn required on certain applications
- scale 90 mm Ø, 0-360°, sequences in 2°

Item #
3070

PRO

1/2" Torque Setting Angular Gauge, int. Square Head

- scale: 0-360 °
- stop screw
- incl. L-type wrench

Item #
3084

PRO+

1/2" Torque Setting Angular Gauge, Magnetic Arm

12.5 ½

- precise workshop finish
- enables to accurately set the degrees of turn required in one step
- max. capacitance approx. 280 NM

Item #
3170

PRO+

3/4" Torque Setting Angular Gauge, Magnetic Arm

20 ¾

- helps to accurately set the degree of turn required in one step
- 2 degrees scale division
- flexible magnetic holder

Item #
8439

PRO+

1/2" Torque Setting Angular Gauge, int. Square Head, Clip Arm

12.5 ½

- precise workshop finish
- enables to accurately set the degrees of turn required in one step
- max. capacitance approx. 280 NM

Item #
3169

PRO+

Torsion Bar, 110 NM

12.5 ½

- length 195 mm

Item #
187

PRO+

5-piece Torsion Bar Set

12.5 ½

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

Item #
185

PRO+

Battery Booster Cables

- TÜV / GS approved
- insulated clips

PRO+

Item #	Description
9610	Battery Booster Cables, 200 amp. (16 mm²), Length 3 m
9611	Battery Booster Cables, 400 amp. (25 mm²), Length 3.5 m
9612	Battery Booster Cables, 600 amp. (35 mm²), length 3.5 m

Overvoltage Protection, 12 V

- prevents from dangerous overvolting when welding
- max. current load 200 A
- rubber coated clamps and cable
- length of cable: 195 mm

Item #
9620

PRO+

Battery Lifter

- easy lifting and carrying of all kinds of batteries
- adjustable size

Item #
3230

PRO+

Battery Adaptor

- for disconnecting the battery during longer period of not using it
- can also by used to prevent theft of a car

Item #
1414

PRO

Power Puller

- not to be used for lifting !

PRO CE

Item #	Description
3480	Power Puller, 500 daN
3482	Power Puller, 1000 daN

3-piece Towing Brace, Length 1.80 m

- new model
- sq. head tubular shaft
- up to 2000 kg total weight

Item #
3050

PRO

Tow Rope, max. Rated Load 2000 kg

- elastic and extendable length: 1,5 - 4m
- colour: white-blue
- attachable via heavy duty springloaded safety lock hook at each end of the rope

Item #
9660

PRO

Tie Down Straps with Quick Lock

- strap width: 25 mm
- max. capacity: 122.5 daN (approx.120kg)
- TÜV/GS approved

PRO

Item #	Description
3598	Tie Down Strap with Quick Lock, 2.5 m
3597	Tie Down Strap with Quick Lock, 3.5 m

2-piece Luggage Strap Set, 2.5 m x 25 mm

- strap width: 25 mm
- max. capacity: 122.5 daN (approx.120kg)
- TÜV / GS approved

Item #
3599

PRO

Ratchet Tie Down Strap 38 mm x 6 m

- TÜV / GS approved
- incl. two S-type hooks
- strength up to 210 kgs

Item #
3495

PRO+

Ratchet Tie Down Strap, 5 m long, 24 mm wide

- TÜV / GS approved
- extremely strong nylon strap, up to 120 kg

Item #
3550

PRO+

Ratchet Tie Down Strap, 5 m long, 24 mm wide, with two solid Hooks

- TÜV / GS approved
- with two solid hooks
- strength up to 120 kg

Item #
3553

PRO+

Luggage Tie Down Strap, 100 cm

- maximum tractive power ca. 6 kg
- Ø 7 mm
- hook Ø 3 mm, with protective caps
- max. length 220 cm

Item #
85510

PRO+

Web Slings

- double tube standard EN1492-1
- length: 300 cm
- material: polyester

PRO+

Item #	Description
9661	3T Web Sling, 3m
9662	5T Web Sling, 3m

Luggage Tie Down Strap Set, 2 x 300 / 450 / 600 mm

- maximum tractive power ca. 6 kg
- Ø 7 mm
- hook Ø 3 mm, with protective caps

Item #
85516

PRO+

8-Arm Luggage Tie Down Strap

- maximum tractive power ca. 6 kg
- 750x750 mm, Ø 7 mm
- hook Ø 3 mm, with protective caps

Item #
85518

PRO+

Anti Slip Rubber Mat, 122x61 cm

- all purpose
- with amazing anti slip function - all things stay in their place
- rubber mat can be cut to the size you need
- tearproof, shockproof and easy to clean

Item #
65701

PRO+

12 Volt Oil Pump

- max. flow rate for engine oil approx. 0,2l /min
- max. flow rate for Diesel or heating oil app. 1,2l /min
- ideal equipment for quick and clean oil-changes
- the oil-pump works by connecting the clamps to the 12V car battery
- can remove 100% of the used oil if inserted through the dipstick opening
- complete with all necessary accessories

Item #
9910

PRO+ CE

Hose Pump

- Pump off quickly and safely - without electricity
- the flexible hose pump is a pump for decanting water, fuel and cleaning agents as well as other types of chemicals
- no manual suction necessary, which means no danger of swallowing unpleasant smelling or tasting liquids.
- 12 mm inner diameter, 17 mm outer diameter
- 180 cm hose length

Just follow these three easy steps:

1. Place the suction head in the liquid which should be a higher level and other end of the tube in a container below it.
2. Move the suction head quickly up and down a few times
3. The liquid will automatically begin to flow through the tube.

Item #
4066

PRO

Emergency Pump

for transfilling e.g.
- oil
- water
- astonishingly effective
- hose length approx. 1,75 m
- hose inner diameter: 9 mm

Item #
4064

Yellow Warning Light, H1 Bulb

- 12 V connection
- quality H1 bulb
- magnetic base
- 360° rotating
- check traffic rules in your country before use

Item #
9762

PRO

Voltage Converter 12V to 220V with 5V USB Plug

- allows operation of 220/230V devices in cars, boats, and on motorcycles
- additional USB charging socket for charging e.g. MP3 players, mobile phones, navigation, etc.
- with overload protection, this is indicated by a red LED
- specifications:
  - input voltage: 10.5 to 15.5 volts
  - output voltage: 220V ~ 50Hz
  - power: 60 watts constant
  - USB output: 5V 100mA
  - plug for car cigarette lighter

Item #
63528

PRO

CE

MISCELLANEOUS TOOLS & SMALL PARTS

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- Sanitary 524
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- Household, DIY & other 528

Merchandise 531

225-piece O-Ring Assortment, 3-22 mm Ø

- 20 assorted sizes:
  int. diameter x thickness
  3,0 x 1,0 - 4,0 x 1,0 - 4,5 x 2,0 - 5,0 x 2,0 - 6,0 x 2,0
  6,0 x 2,5 - 6,0 x 3,0 - 7,0 x 2,0 - 8,0 x 2,0 - 9,0 x 2,0
  10 x 2,0 - 13 x 3,0 - 14 x 2,5 - 17 x 2,5 - 18 x 4,0
  20 x 2,0 - 22 x 2,0 mm
- ideal for DIY and workshop use

in plastic storage case

Item #
8044

PRO+

225-piece HNBR O-Ring Assortment, 3-22 mm Ø

- made from HNBR: especially for air conditioners etc.
- various sorted sizes, int. diameter:
  3 - 4 - 4,5 - 5 - 6 - 7 - 8 - 9 - 10 - 12 -
  13 - 14 - 17 - 18 - 20 - 22 mm

in plastic storage case

Item #
8121

PRO+

141-piece Gasket Assortment: Rubber, Fibre and Klingerith

- various gaskets manufactured from rubber, fibre and klingerith
- for sanitation facilities etc.

in plastic storage case

Item #
8059

PRO+

285-piece XXL O-Ring Assortment, Ø 18-50 mm

- various assorted sizes
- made of NBR
- acid, petrol, heat and oil resistant

in plastic storage case

Item #
8105

PRO+

419-piece O-Ring Assortment, 1/8" - 2" Ø

- acid, fuel, heat and oil resistance
- made of NBR
- various sorted sizes, int. diameter:

20x1/8"-20x3/16"-18x1/4"-23x5/16"
23x 3/8"-23x1/2"-14x 3/8"-13x7/16"
14x 1/2"-13x 9/16"-14x 5/8"-14x11/16"
13x 3/4"-14x13/16"-13x7/8"-10x3/4"
10x 13/16"-10x7/8"-10x15/16"-10x1"
10x 11/16"-10x11/8"-10x13/16"-10x11/4"
10x 15/16"-10x13/8"-10x17/16"-10x11/2"
10x 15/8"-10x13/4"-10x17/8"-10x 2"

Item #
8061

PRO+ ZOLL/SAE

419-piece O-Ring Assortment, 3-50 mm Ø

- acid, petrol, heat and oil resistant
- made of NBR
- various sorted sizes, int. diameter:
  3 - 4,4 - 5 - 7 - 10 - 11 - 13 - 14 - 16 - 18 -
  19 - 20 - 21 - 22 - 23,5 - 25 - 26,5 - 28 - 30 -
  31 - 33 - 34,5 - 36 - 38 - 41 - 44 - 47 - 50 mm

Item #
8045

PRO+

150-piece Copper O-Ring Assortment

- for oil drain plugs
- 10 pieces each of the following sizes:
  int. diam. x ext. diam. x thickness:
  5x10x1 mm, 6x10x1 mm, 7x10x1 mm
  8x12x1 mm, 10x16x1 mm, 10,5x17x1,5 mm
  11x17x1,5 mm, 12x10x1,5 mm, 12,5x20x1,5 mm
  14x18x1 mm, 14x20x1,5 mm, 15x20x2 mm
  16x22x2 mm, 16,5x24x2 mm, 17,5x24x2 mm

in plastic storage case

Item #
8052

PRO+

300-piece Copper O-Ring Assortment

each 10 pieces:
5x9 x 1.0 - 6x10x1.0 - 6x12x1.0 - 8x12x1.0
8x14x1.0 - 8x14x1.5 - 9x14x1.0 - 10x14x1.0
10x14x1.5 -10x16x1.0 - 12x16x1.0 - 12x16x1.5
12x18x1.5 - 13x18x1.0 - 14x18x1.5 - 14x20x1.5
14x20x2.0 - 16x20x1.5 - 16x22x1.5 - 18x22x1.5
18x24x1.5 - 20x24.5x1.5 - 20x24.5x0.8 -19x26x2.0
22x27x1.0 - 22x29x1.5 - 24x29x1.5 - 24x32x2.0
26x34x2.0 - 28x36x2.0
(int. x ext. diameter x thickness in mm)

In plastic storage case

Item #
8142

PRO+

75-piece Copper Ring Assortment, in Inch sizes, for Oil Drain Plugs

- suitable for oil drain plugs and banjo bolts
- 5 pieces each of the following sizes:
  - 3 / 16 x 25/64 x 1 / 32
  - 15/64 x 25/64 x 1 / 32
  - 17/64 x 25/64 x 1 / 32
  - 5 / 16 x 15/32 x 1 / 32
  - 25/64 x 5 / 8 x 1 / 32
  - 13/32 x 21/32 x 3 / 64
  - 27/64 x 21/32 x 3 / 64
  - 15/32 x 25/32 x 3 / 64
  - 31/64 x 25/32 x 3 / 64
  - 35/64 x 45/64 x 1 / 32
  - 35/64 x 25/32 x 3 / 64
  - 37/64 x 25/32 x 5 / 64
  - 5 / 8 x 55/64 x 5 / 64
  - 41/64 x 15/16 x 5 / 64
  - 11/16 x 15/16 x 5 / 64

in plastic storage case

Item #
8144

PRO+ ZOLL/SAE

300-piece Aluminum Seal Assortment

- especially suitable for oil drain plugs
- suitable for all popular vehicles
- sizes:

5x 9x1,0 8x14x1,5 12x16x1,0 14x20x1,5 18x24x1,5 22x29x1,5
6x10x1,0 9x14x1,0 12x16x1,5 14x20x2,0 20x24,5x1,5 24x29x1,5
6x12x1,0 10x14x1,0 12x18x1,5 16x20x1,5 20x24,5x0,8 24x32x2,0
8x12x1,0 10x14x1,5 13x18x1,0 16x22x1,5 19x26x2,0 26x34x2,0
8x14x1,0 10x16x1,0 14x18x1,5 18x22x1,5 22x27x1,0 28x36x2,0

in plastic storage case

Item #
8143

PRO+

534-piece Oil Drain Plug Screws and Copper O-Ring Assortment

- Oil Drain Plug Screws:
  5x10 mm, 5x12 mm, 5x13 mm, 5x14 mm,
  5x15 mm, 3x16 mm, 3x18 mm, 3x20 mm
- Copper O-Rings:
  50x6 mm, 50x8 mm, 50x10 mm, 50x12 mm, 50x13 mm,
  50x14 mm, 50x15 mm, 50x16 mm, 50x18 mm, 50x20 mm

in plastic storage case

Item #
8118

PRO+

180-piece SAE Rubber Grommet Assortment

- in inch sizes:
  40x 5/16"
  40x 1/4"
  40x 3/8"
  20x 1/2"
  25x 7/16"
  5x 5/8"
  5x 7/8"
  5x 1"

in plastic storage case

Item #
8112

PRO+ ZOLL/SAE

180-piece Rubber Grommet Assortment, metric

- for cable protection
- includes:

Quantity	Ø Hole	Ø Cabel	Ø Overall
5	22 mm	15 mm	26 mm
5	15,5 mm	12 mm	19 mm
5	28 mm	17 mm	32 mm
20	12 mm	11 mm	15 mm
25	11 mm	9 mm	15 mm
40	10 mm	6 mm	13 mm
40	7,5 mm	5 mm	10 mm
40	6 mm	3 mm	8 mm

in plastic storage case

Item #
8125

PRO+

103-piece Grommet Installation Set

- 50 grommets 1/2"
- 50 washers
- 3-pcs installation tool

in plastic storage case

Item #
8111

PRO+

300-piece External Circlip Assortment, 3-32 mm

- various sorted sizes
- int. diameter :
  3-4-5-6-8-9-11-12-13-14-
  15-19-20-22-25-26-28-32 mm

in plastic storage case

Item #
8046

PRO+

300-piece Internal Circlip Assortment, 3-32 mm

- various sorted sizes
- int. diameter :
  3-4-5-6-8-9-11-12-13-14-
  15-19-20-22-25-26-28-32 mm

in plastic storage case

Item #
8049

PRO+

300-piece Metric E-Clip Assortment, 1.5-22 mm

- black finish
- phosphated spring steel
- sizes:
  30x 1,5 mm, 30x 3 mm, 40x 5 mm, 50x 6 mm,
  50x 10 mm, 40x 12 mm, 20x 15 mm, 20x 19 mm,
  20x 22 mm

in plastic storage case

Item #
8039

PRO+

200-piece Compression and Extension Spring Assortment

extension springs, compression springs, sizes:
- compression springs:
  5,5x17,5; 5,5x38,0; 6,5x10,0;
  7,0x12,5;7,0x19,0; 9,0x35; 9,5x16; 9,5x19 mm
- extension springs:
  4,0x79,5; 4,5x44,5; 5,0x20,5; 5,5x25,5; 6,5x22,0;
  7,0x98,0; 7,0x51,0; 8,0x28,5; 8,0x31,5; 8,0x44,5;
  8,5x36,5; 8,5x47 mm

in plastic storage case

Item #
8047

PRO+

555-piece Splint Pin Assortment

- straight finish
- various sorted sizes:
- 1,6x25; 2,5x25; 2,4x33; 3,2x32; 3,2x50; 4,0x64 mm

in plastic storage case

Item #
8048

PRO+

150-piece R-Clip Assortment

- chrome plated
- content:
  - 42 of 2,4 x 31 mm
  - 30 of 2,0 x 33 mm
  - 25 of 2,0 x 40 mm
  - 25 of 2,8 x 42 mm
  - 20 of 3,5 x 45 mm
  - 8 of 4,0 x 75 mm

in plastic storage case

Item #
8043

PRO+

1200-piece Spring Washer Assortment

- chrome plated, metric
- sizes:
  - 300 off 3 mm
  - 300 off 4 mm
  - 300 off 5 mm
  - 150 off 6 mm
  - 100 off 8 mm
  - 50 off 10 mm

in plastic storage case

Item #
8053

PRO+

720-piece Washer Assortment

- different sizes and shapes
- spring, star and lock shape

in plastic storage case

Item #
8113

PRO+

250-piece Washer Assortment

- manufactured from zinc coated steel
- 105 spring washers: 80x4; 35x5; 15x6; 15x8 mm
- 145 flat washers: 50x4, 25x5, 15x6, 15x8 mm

in plastic storage case

Item #
8073

PRO+

150-piece Hexagon Nut Assortment

- zinc coated
- sizes: M3-4-5-6-8-10

in plastic storage case

Item #
8068

PRO+

146-piece Self Locking Screw Nut Assortment

- chrome plated
- metric with nylon insert
- sizes: M4-5-6-8-10-12

in plastic storage case

Item #
8135

PRO+

450-piece Roll Pin Assortment

- metric
- all standard sizes assorted:

30 of 3x 40 mm	40 of 4x30 mm
20 of 4x 40 mm	30 of 5x40 mm
30 of 4x 50 mm	5 of 5x50 mm
5 of 6x 50 mm	5 of 5x60 mm
4 of 6x 60 mm	4 of 8x60 mm
4 of 7x 70 mm	3 of 8x80 mm
4 of 8x 50 mm	2 of 10x80 mm
6 of 10x400 mm	8 of 8x40 mm
20 of 6x 40 mm	80 of 3x30 mm
150 of 2x 20 mm	

in plastic storage case

Item #
8054

PRO+

60-piece Fastening Bolt Set

2.5 mm hole:
4x: 2,5x25 mm - 4x: 6x25 mm - 3x: 6x30 mm - 4x: 6x40 mm
3x: 6x45 mm -3x: 6x50 mm - 3x: 6x60 mm - 3x: 60x65 mm
3.5 mm hole:
3x: 8x25 mm - 3x: 8x30 mm - 4x: 8x40 mm - 3x: 8x45 mm
2x: 8x50 mm - 2x: 8x60 mm - 1x: 8x65 mm - 2x: 8x70 mm
4.0 mm hole:
4x: 10x25 mm - 3x: 10x40 mm - 2x: 10x50 mm -
2x: 12x40 mm - 2x: 12x50 mm

in plastic storage case

Item #
8137

PRO+

50-piece Linch Pin Assortment

- galvanized, zinc coated
- sizes: 16 x 4,5 mm, 18 x 6,0 mm,
  6 x 8,0 mm, 10 x 11,0 mm

in plastic storage case

Item #
8087

PRO+

400-piece Aluminium Rivet Assortment

- sorted
- length: approx. 37 mm
- sizes: 2,4 - 3,2 - 4 - 4,8 mm
- pin made of steel

in plastic storage case

Item #
8058

PRO+

175-piece Sheet Metal Screw Assortment

- manufactured from zinc coated steel
- plain slotted
- content:
  65 off #4x10 mm
  60 off #6x10 mm
  25 off #6x20 mm
  15 off #6x25 mm
  10 off #8x25 mm

in plastic storage case

Item #
8072

PRO+

125-piece Nut and Screw Assortment, M4 + M5 metric

- contains the following parts:
  - 45 nuts M4, galvanized
  - 16 screws M4 x 10
  - 16 screws M4 x 12
  - 8 screws M4 x 20
  - 5 screws M4 x 25
  - 18 nuts M5
  - 10 screws M5 x 20
  - 8 screws M5 x 25

in plastic storage case

Item #
8134

PRO+

40-piece Molly Bolt Assortment

- zinc plated, metric
- sizes: 4-5-6 mm (each long + short)

in plastic storage case

Item #
8139

75-piece Wing Nut Assortment

- galvanized, metric
- sizes: M5x0,8 - M6x1,0 - M8x1,25

in plastic storage case

Item #
8133

151-piece Screw Hook Assortment

- open & closed type
- zinc coated
- sizes (open type): 2,5x40 - 4x60 - 4,8x75 mm
- sizes (closed type): 2,2x25 - 4.3x45 - 4.8x50 mm

in plastic storage case

Item #
8136

170-piece Screw and U-Type Cushion Assortment

- screw sizes
  40 pcs. 3 x 8 mm
  20 pcs. 4 x 16 mm
  15 pcs. 5 x 12 mm
  10 pcs. 6 x 20 mm
- 85 pcs. special U-Type Cushion in different sizes and shapes

in plastic storage case

Item #
8114

110-piece Grease Nipple Assortment

- chrome plated
- sizes:
  M6x1 - straight/ 45°/ 90°
  M8x1,25 - straight/ 45°/ 90°
  M10x1,5 - straight/ 45°/ 90°

in plastic storage case

Item #
8065

127-piece Shrinking Hose Assortment

- applicable up to 125°
- shrink ratio 2:1
- various sorted sizes:
  2x40; 2,5x40; 3,5x40; 5x40; 7 x80;
  10x80; 13x85 mm

in plastic storage case

Item #
8042

100-piece Color Shrinking Tubing Assortment

- perfect for DIY and professional use
- especially for automotive applications
- fast repair, protects cables from humidity and corrosion
- shrink ratio 2:1
- various sorted sizes:
  100x1,5-2,5-4,0-6,0-10,0-13,0 mm

in plastic storage case

Item #
8123

50-piece Branch Connector Set

- for clamping of highly conductive material
- polyamide insulation
- temperature range: - 60°C to +110°C

in plastic storage case

Item #
80757

28-piece Electrical Clip Assortment

- zinc plated
- aligator clip, charging clip

in plastic storage case

Item #
8138

PRO+

96-piece Car Fuse Assortment

- color-coded fuses
- each 12 pieces: 3 - 5 - 7.5 - 10 - 15 - 20 - 25 and 30 ampere
- incl. fuse puller

in plastic storage case

Item #
8126

PRO+

121-piece Mini Car Fuse Assortment

- color-coded fuses
- each 20 pieces 5 - 10 - 15 - 20 - 25 - 30 ampere
- fuse puller

in plastic storage case

Item #
8109

PRO+

92-piece Car Fuse Assortment

- color-coded fuses
- contains each 12 standard fuses of:
  5 - 10 - 15 - 20 - 25 - 30 ampere
- voltage tester 6 to 24 volt
- fuse puller

in plastic storage case

Item #
8124

PRO+

80-piece Woodruff Key Assortment

- each 10 pcs. of sizes:
  3x5x13 mm, 4x7.5x19 mm,
  4x5x13 mm, 5x7.5x19 mm,
  3x6.5x16 mm, 5x9x22 mm,
  4x6.5x16 mm, 6x9x22 mm

in plastic storage case

Item #
8117

PRO+

750-piece Nail and Pin Assortment

- 70 tacks: 11 and 14 mm
- 340 nails: 19-25-32 mm
- 340 pins: 19-25-32 mm

in plastic storage case

Item #
8074

PRO+

Cable Tie Sets

- white
- Nylon

PRO+

Item #	Description
1788	50-piece Cable Tie Set, 4.8 x 250 mm
80876	50-piece Cable Tie Set, 4.8 x 300 mm
80878	30-piece Cable Tie Set, 8.0 x 400 mm

250-piece Cable Tie Set, various sizes

- suitable for binding of cables, hoses ect.
- includes:
  - 160 x 100 x 2.5 mm
  - 40 x 200 x 4.6 mm
  - 10 x 200 x 7.5 mm
  - 30 x 300 x 4.7 mm
  - 10 x 300 x 7.8 mm

Item #
80874

PRO+

Empty Case for Small Parts

210x110x30 mm

Item #
8100

PRO+

26-piece Hose Clamp Assortment

- content:
  8 pcs. 16 mm; 6 pcs. 22 mm
  4 pcs. 25 mm; 2 pcs. 28 mm
  2 pcs. 35 mm; 4 pcs. 40 mm

in plastic storage case

Item #
8055

PRO

111-piece Stainless Steel Hose Clamp Set, on Display Board

- 10 pcs each of the following sizes:
  8-12, 10-16, 12-20, 16-25, 20-32, 25-40, 30-45 mm
  clamp width 9 mm
  32-50, 40-60, 50-70, 60-80 mm
  clamp width 12 mm
- supplied in standing display, can also be mounted on walls
- incl. nutdriver

Item #
8095

PRO+

10-piece Stainless Steel Hose Clamp Sets

- up to size 30 x 45 mm clamp width 9 mm
- from size 32 x 50 mm clamp width 12 mm

PRO+

Item #	Description
8095-8x12	Hose Clamp, 8x12 mm, Stainless Steel, 10 pcs.
8095-10x16	Hose Clamp, 10x16 mm, Stainless Steel, 10 pcs.
8095-12x20	Hose Clamp, 12x20 mm, Stainless Steel, 10 pcs.
8095-16x25	Hose Clamp, 16x25 mm, Stainless Steel, 10 pcs.
8095-20x32	Hose Clamp, 20x32 mm, Stainless Steel, 10 pcs.
8095-25x40	Hose Clamp, 25x40 mm, Stainless Steel, 10 pcs.
8095-30x45	Hose Clamp, 30x45 mm, Stainless Steel, 10 pcs.
8095-32x50	Hose Clamp, 32x50 mm, Stainless Steel, 10 pcs.
8095-40x60	Hose Clamp, 40x60 mm, Stainless Steel, 10 pcs.
8095-60x80	Hose Clamp, 60x80 mm, Stainless Steel, 10 pcs.
8095-50X70	Hose Clamp, 50x70 mm, Stainless Steel, 10 pcs.

Screw Securing Wire

- ideal for securing screws
- size: 0.7 mm (Ø) x 15 m (l)
- stainless steel
- suitable for BGS 1480 twisting pliers

Item #
8478

PRO+

VDE Insulating Tape Roll, 15 m

- black
- roll: 0,15 mm x 15 mm x 15 m
- core diameter: 50 mm
- VDE approved

Item #
3025

PRO+

Packing Tape Roll, 50 mm x 50 m

- suitable for dispenser (Ø 75 mm)
- color: brown

Item #
3221

PRO

6-piece VDE Insulation Tape Set

- size: 3300 mm x 19 mm
- colors: black, red, yellow, blue, green and white
- flexibel and highly adhesive
- VDE approved

Item #
80836

PRO+

Plastic Stretch Foil, black

- length: 300 m
- height: 50 cm
- thickness: 23m
- for manual dispenser
- absolutely tearproof
- can also be used as blinds

Item #
62

PRO+

Battery Filler

- for suction and filling of liquids
- particularly suitable when charging batteries

Item #
9989

PRO

12 V Car Battery Charger

- for 12V batteries (cars, motorcycles, boats)
- use for charging lead acid batteries 1,2 Ah to 120 Ah
- overload, short circuit and wrong polarity protection
- fully automatic charging and protection against sulphate collection
- prolonged connection possible for continued charging and battery maintenance
- CPU-Controlled
- input voltage: 220-240V 50-60Hz
- output voltage: 12 V 3,6-4,0 A
- charging voltage: 14,4 V / 0,8 A (Modus 1)
  14,4 V / 3,6 A (Modus 2)
  14,7 V / 3,6 A (Modus 3)
- charging current: max. 3,6 A

Item #
63505

PRO+ CE

6/12 V Motorcycle Battery Charger

- use for charging lead acid batteries 1,2 Ah to 20 Ah
- automatic detection of battery voltage
- short circuit protection
- 6V / 12V selection switch
- designed for indoor use
- input voltage: 220-240V 50-60Hz
- output voltage: max. 0,5 V DC
- temperature: 10°C - 30°C

Item #
63510

PRO+ CE

Voltage Tester, 120-250 Volt

- TÜV / GS approved
- with lense and metal clip

PRO CE

Item #	Description
725	Voltage Tester GS, 120-250 Volt, 140 mm long
722	Voltage Tester GS, 120-250 Volt, 190 mm long

Voltage Tester, 190 mm long

- TÜV / GS approved
- 125-250 V AC

Item #
2174

PRO+ CE

Brass Car Light Tester, 6-24 Volt

- nickel plated
- with needle with screwable top

PRO

Item #	Description
2072	Brass Car Light Tester, 6-24 Volt
72	Reserve Bulb for Item # 2072

Diode Testing Light, 3-48 Volt, LED Display

- allows stippling of insulated cords

Item #
723

PRO+ CE

Voltage Tester with Continuity Tester, 1-24 Volt

- handy tester for 1 - 24 volt DC measurements on e.g. trucks, cars, motorcycles and other battery-powered electric 1-24 V systems
- LED for better illumination of the works
- test needle for measurements of cabling
- built-in continuity tester is ideal for testing e.g. switches, wiring, fuses etc.
- 12 LED power indicator

Item #
63521

PRO+ CE

Universal Voltage Tester

- TÜV / GS approved
- 12-400 V AC voltage
- 12-500 V DC voltage
- 2-pole
- 5-way LED-polarity light
- 12 volt/50 volt/120-150 volt/ 220-230 volt/400 -500 volt

Item #
724

PRO+ CE

Board Socket Voltage Tester

- suitable for all vehicles with a 12V system and free board socket (cigarette lighter socket)
- for continuous monitoring of the battery and charging voltage
- easy installation

Item #
63522

PRO

Battery and Alternator Tester

- for fault diagnosis of 12V battery and charging systems
- easy to use, just connect and check indicator lights
- LED's are electronically controlled
- 3 LED's for battery test:
- LED red = battery empty or defective
  LED yellow = battery OK
  LED green = battery very good
- 3 more LED's for alternator test:
  LED green = charging system OK
  LED yellow = charging system OK
  (maximum charging voltage)
  LED red = charging system is not OK
  (it may damage the battery and other parts of the electric system)

Item #
2189

PRO+

Automotive Circuit Tester

- notably useful and handy multimeter with single-handed control
- for testing electronic circuits (6 - 24 V) in Cars, trucks and motorcycles
- bright LED guarantees a well lit work space
- easy troubleshooting by applying positive or negative potentials
- potential is indicated by two alternatively colored LEDs - comes in handy when testing ignition and injection systems
- built in continuity tester with optical indicator
- 6m power cord is long enough for any measurements /applications on cars and motorcycles
- additional 6m extension cord with reverse polarity protection for applications on trucks and hangers
- one reverse polarity protected voltage adaptor for connecting the multimeter with batteries
- one reverse polarity protected voltage adaptor for connecting the multimeter with your vehicle's cigarette lighter

Item #
40100

PRO+

Voltage Tester / Multifunction-Probe with Display and 8 Features

- very useful, one hand multi function tester with LCD display
- for testing electric 12-24 volt systems on car, truck and motorcycles
- with bright LED lit work area
- easier troubleshooting by connecting from a positive or negative potential
- potential is indicated by two different colored LED's, very useful for measurements of ignition and injection systems
- built-in continuity tester with optical signal
- Frequency measurements up to 8000 Hz
- non-contact measurement of KV ignition test
- 6 meter power supply cable is sufficient for measurements of cars and motorcycles
- 6 meter extension cable for measurements of trucks or trailers
- reverse polarity protected DC power adapter for connection to battery
- reverse polarity protected DC power adapter for connection to board socket (Cigarette lighter)
- special tip for measurements on low-lying contacts
- 6 adjustable voltage threshold 0.5 V 1.0 V 2.0 V 5.0 V 10.0 V and 48V, as soon as the measured voltage is higher than the preset threshold, then sounds an acoustic signal will sound.
- the measurement options are selected by push buttons

Item #
40105

PRO+ CE

Digital Multimeter

- 3.5 Digits LCD
- low battery indication
- overload protection
- manual range selection
- safety sockets and plugs
- range:
  - DC Voltage 200 mV, 2000 mV, 20 V, 200 V, 250 V
  - AC Voltage 200 V, 250 V
  - DC Current 200 µA, 2000µA, 20 mA, 200 mA, 10 A
  - resistance 200 Ohm, 2000 Ohm, 20 kOhm, 200 kOhm, 2000 kOhm
  - audible continuity sounds under 50 Ohm
  - diode test with read forward voltage

Item #
63400

PRO+ CE

Digital Multimeter

- shock resistant
- with put-up hinge
- modern design
- testing probes are available separatly

- measuring ranges:
  - DC voltage 200 mV, 2 V, 20 V, 200 V, 600 V
  - AC voltage 200 V, 600 V
  - DC current 0,2 mA, 2 mA, 20 mA, 200 mA, 10 A
  - diode tester
  - data hold

Item #	Description
2194	LCD Digital Multimeter
2194-1	Replacement Measuring Pins for 2194

Automotive Digital Multimeter with USB interface

- especially for the automotive sector
- display: 3 ¾ digit LCD with max. reading 3999
- this CATII 250V multimeter features:
  - DC voltage: 400mV, 4V, 40V, 250V
  - AC voltage: 4V, 40V, 250V
  - DC current: 400uA, 4000uA, 40mA, 400mA, 4A, 10A
  - AC current: 400uA, 4000uA, 40mA, 400mA, 4A, 10A
  - resistance: 400, 4K, 40K, 400K, 4M and 40MOhm
  - frequency: 5Hz, 50Hz, 500Hz, 5KHz, 50KHz, 200KHz
  - capacity range: 5nF, 500nF, 5uF, 50uF, 100uF
  - duty cycle: 5% ~ 95%
  - 20 ° C ~ 1000 ° C.
    (depending on the temperature sensor)
  - dwell angle: 2-cyl 0-180°, 3-cyl. 0-120°,
    4-cyl. 0-90°, 5-cyl. 0-72°, 6-cyl. 0-60°, 8-cyl. 0-45°
  - engine speed: 250 rpm to 40,000 rpm
- overload indication: "OL" is displayed on the LCD
- negative polarity display: (-) is displayed automatically
- operating temperature: 0°C ~ 40°C max. 75% RH
- storage temperature: -20°C ~ 60°C max. 85% RH
- operating altitude: 0 to 2000 meters
- battery: 9V, 6F22 or equivalent
- low battery indicator
- dimensions: 165 x 83 x 47 mm
- weight: about 340g (including battery and holster)
- in bag, includes software and manual

Item #
2179

Pliers Type Multimeter

- Multimeter with following measuting rages:
  - for general usage
    - alternating current: 2A, 20A, 600 A
    - AC voltage: 200V, 600 V
    - DC voltage: 200V, 600 V
    - resistance 200 Ohm, 200 KOhm
  - acoustic circuit indicator
  - testing leads and battery included

In wallet

Item #
2200

Digital Multimeter with Clamp for DC and AC Current

- 3-3/4 digits LCD max. display value 3999
- measuring ranges:
  - AC and DC voltage:
    400.0 mV, 4.000V, 40.00 V, 400.0 V, 600 V
  - resistance:
    400 Ohm, 4 KOhm, 40 KOhm,
    400 KOhm, 4 MOhm, 40MOhm
  - AC and DC current up to 400A
- indicator for negative polarity and overrange
- max. clamp opening: 33mm, max. cable: Ø 28mm
- battery: 2x 1.5V AAA or similar
- low battery indicator
- storage condition: from -10°C to +50°C, max. 85% RH
- dimensions: 194x71x38 mm
- weight: about 215 g (including batteries)
- suitable for category CAT II

Item #
2202

PRO+ CE

Digital Current Tester for Fuse Contact

- current measurements directly at the fuse box of cars and trucks
- helps to find "hidden" current
- to measure, remove the original fuse and connect the tester plug
- protection of the circuit is still provided by a fuse in the tester
- plugs both for mini fuse and standard fuse sockets

Item #
63520

PRO+ CE

Digital Battery Load Tester

- big 3-digit LED-Digital-Display
- quick indicator (3 LED lights) for Battery Power Status
- heavy and strong steel housing, chrome plated
- heavy, safe and strong clamps
- fixed Current Load - 100 Amps
- max. capacity of battery to be tested 250Ah / 1.000 CCA
- battery voltage: 12V

Item #
63500

PRO+ CE

Battery Tester for 6V and 12V Batteries

- tester is designed for testing of 6 and 12 volt car and motorcycle batteries
- easy to use and gives a clear statement of battery condition
- the voltage of batteries is displayed through a 3-digit 7-segment display
- the status is indicated by three led indicators
- following batteries can be tested:
  12V: CCA between 300A to 999,100 Ampere steps
  6V: CCA between 150A to 500, 50 Ampere steps

Item #
63501

PRO+ CE

Battery / Charging System Analyzer with Printer

- LCD shows voltage and battery status as well as the available battery capacity
- for 6V & 12V batteries und 12V & 24V charging systems
- for testing VRLA, GEL, AGM as well as SLI batteries
- test based on SAE, DIN, EN, IEC & JIS/AH ratings
- fast testing: 2 seconds for one test
- no need to remove the battery out of the car
- can also test starter and charging system
- application areas: 40-200A SAE, 40-2100 A EN2, 50-2500 A EN 1, 25-1300 A DIN, 30-1500 A IEC
- **built-in printer 25x37 mm**
- software includes English, French, German, Italian, Spanish, Portuguese, Japanese language
- manual included

PRO+ CE

Item #	Description
2196	Battery / Charging System Analyzer with Printer
2196-ROLLE	2-pcs. spare Paper Roll Set for Item #2196

Fuse Tester

- suitable for mini, standard and maxi-fuses
- LED does not light if fuses are damaged
- with clip for fuse removal

Item #
8468

PRO+

Wire Piercing Guide

- protects fingers when piercing cables for measuring
- quick, safe and precise piercing of cable insulations
- facilitates measurements in the wiring without destroying the insulation of a large area
- holds test cables in position, so that both hands are free
- suitable for cables up to 2,5 mm²

Item #
8458

PRO+

16-piece Probe Assortment

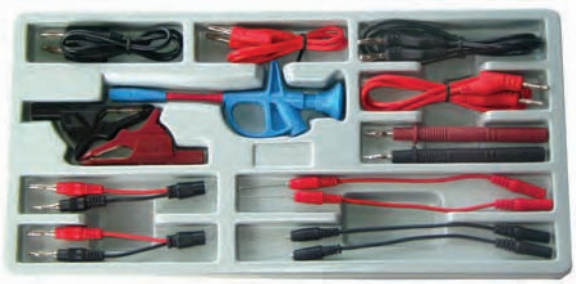
- allows measurement on connectors and components without destroying the insulation or the plug connection
- 4 mm connection for banana plugs
- includes:
  - 4 mm banana plug
  - 1,3 mm test needle
  - male flat plug adaptor:
    6,3 - 4,8 - 2,8 - 2,3 - 1,3 and 0,9 mm
  - female flat plug adaptor:
    6,3 - 4,8 - 2,8 - 2,3 - 1,3 and 0,9 mm
- BGS 2192, 2194 and other meters with 4 mm plug

Item #
8516

PRO+

15-piece Universal Line and Accessories Assortment

- for use with multimeters, testing lights etc.
- 2 cables each 100 and 50 cm, red and blue
- 2 colored LED testing leads for polarity test
- 1 wire piercing probe
- 4 needle testing cables, red and black
- 2 testing tips, red and black
- 2 crocodile clamps, red and black
- suitable for automotive applications up to 24V, 10A



Item #
2185

PRO+

92-piece Power Probe Test Lead Set

- use together with multimeters (e.g. BGS 2192, 2194, 2195)
- for checking all types of electric circuits
- perfect for maintenance of car electricity
- contents:
  - 72 testing leads (=36 male and 36 female terminals)
  - 2 pcs 5KOhm potentiometers (variable resister)
  - 2 LED stroboscopes
  - 2 SRS connectors
  - 2 alligator clips
  - 2 standard probes
  - 2 acicluar probes
  - 2 connectors "1 female to 2 male"
  - 4 connectors "1 female to 1 male"

PRO+

Item #	Description
2186	92-piece Power Probe Test Lead Set
2186-1	Potentiometer for BGS 2186

2-piece VDE Electrician's Screwdriver Set

- VDE approved according to DIN EN 60900
- 1 PH2 x 100 mm
- 1 slotted 4 x 100 mm

Item #
35812

PRO+

5-piece VDE Electrician's Screwdriver Set

- VDE approved according to DIN EN 60900
- 1 PH1 x 80 mm
- 1 PH2 x 100 mm
- 1 slotted 0.5 x 3 x 75 mm
- 1 slotted 0.8 x 4 x 100 mm
- 1 voltage tester with clip

Item #
35815

PRO+

3-piece VDE Pliers Set

- VDE approved DIN 60900
- includes:
  - combination pliers 180 mm
  - wire stripper 160 mm
  - side cutter 160 mm
  - high quality zipper case

Item #
7158

PRO+

VDE Side Cutter, 160 mm

- VDE approved according to DIN EN 60900
- easy to handle with non-slip grip

Item #
7154

PRO+

VDE Side Cutter Heavy Duty, 180 mm

- VDE approved according to DIN EN 60900
- easy to handle with non-slip grip

Item #
7155

PRO+

VDE Combination Pliers, 180 mm

- VDE approved according to DIN EN 60900
- easy to handle with non-slip grip

Item #
7150

PRO+

VDE Waterpump Pliers, 250 mm

- VDE approved according to DIN EN 60900
- easy to handle with non-slip grip

Item #
7157

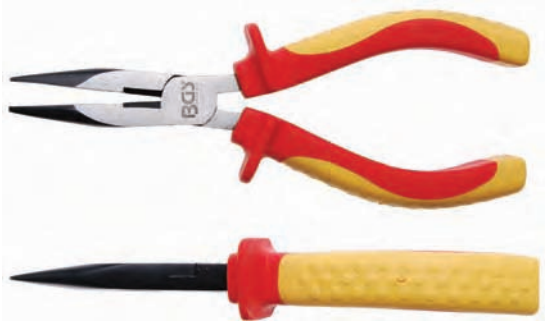
PRO+

VDE Long Nose Pliers, 160 mm

- VDE approved according to DIN EN 60900
- easy to handle with non-slip grip

Item #
7151

PRO+



VDE Long Nose Pliers, 200 mm

- VDE approved according to DIN EN 60900
- easy to handle with non-slip grip

Item #
7152

PRO+

VDE Long Nose Pliers, 200 mm, angled

- VDE approved according to DIN EN 60900
- easy to handle with non-slip grip

Item #
7153

PRO+

VDE Stripping Pliers, 160 mm

- VDE approved according to DIN EN 60900
- easy to handle with non-slip grip

Item #
7156

PRO+

8-piece VDE Set, 1,000 Volt

- VDE approved
- 5 VDE-sockets 7-8-10-12-14 mm
- 1 VDE-slotted screwdriver 1.0 x 5.5 x 125 mm
- 1 VDE Phillips screwdriver #1 x 100 mm
- 1 VDE-T-handle with 10mm - 3/8" square

Item #
7160

PRO+ CE CV

5-piece VDE Open End Spanner Set, 7-14 mm

- suitable for working on electrical units
- VDE approved
- 7-8-10-12-14 mm

Item #
7159

PRO+

Hot Air Gun 2000 Watt

- suitable for:
  - shrinking of shrink down tubing and packaging
  - soldering of non insulated cables and cable lugs
  - loosening of uninsulated solder joints
  - forming and welding of plastics
  - drying of surfaces
  - acceleration of adhesive processes
  - de-frosting of icy stairs, steps, door locks, etc.
  - removing old paint
  - desinfection of surfaces
- heating of engines and transmission parts for assembly
- voltage: 230V
- max. power: 2000W
- temperature: adjustable by handwheel up to 600°C

Item #
8495

PRO+

Soldering Aid Pliers, 240 mm

- for holding cable ends during soldering
- clip springs on the pliers jaws provide a safe grip
- perfect for soldering while working on a car

Item #
9945

PRO+

Safety Glasses

- EN 166 F approved

PRO+ CE

Item #	Description
3628	Safety glasses, grey tinted
3630	Safety glasses, clear

LED Safety Glasses

- grey tinted
- with 2 LED's

Item #
3631

PRO+ CE

Safety glasses, not tinted

- ANSI Z 87 and CE EN 166 approved
- may also be worn above regular glasses

Item #
3627

PRO+ CE

Safety Goggles

- EN 166

Item #
3622

PRO CE

Welding Goggles

- foldable eye protector
- frame: clear glasses
- athermal glasses in accordance with DIN-GS

Item #
3517

PRO+ CE

3-piece Safety-at-Work Set

- Ear Defenders (EN 352)
- Dust Mask (EN 149)
- Safety Googles (EN 166)

Item #
3625

PRO+ CE

Ear Defenders

- adjustable shells
- EN 352-1:2002

Item #
3623

PRO CE

Dust Masks, 2 pieces

EN149:2001

Item #
3620

PRO CE

Auto-Darking Welding Helmet

- with solar cells
- carbon look
- viewing area 98 x 40 mm
- filter size 110 x 90 mm
- switching time 4/100 sec.
- recovery time 0.4 sec.
- 4 step light shade
- shade option 9 - 13
- operating temperatur -5°up to +55°
- power on/off
- automatic sensitivity control is continously adjustable

PRO+ CE

Item #	Description
3516	Auto-Darking Welding Helmet
3516-1	Spare Window for Welding Helmet BGS 3516
3516-2	Replacement Headband for Art. 3516

Welding Helmet

- window 90x110 mm
- CE EN 175
- flexible adjustable

Item #
3518

PRO CE

Work Gloves, lined, cowhidesplit leather

- especially comfortable wear due to soft cow-split leather
- size: 10.5

Item #
9957

PRO CE

Hand Axes with Fibreglass Shaft

- non-slip rubber grip
- TÜV / GS approved

PRO+

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

Hand Axe, Headweight 600 g

- gold coloured head
- lacquered finish wooden shaft
- TÜV / GS approved

Item #
2136

PRO+

Chopper with Fibreglass Shaft, 3000 g

- wedged and cast head
- satin black lacquered finish
- length: approx. 900 mm
- non-slip rubber coated grip

Item #
3834

PRO

Basin Wrench

- perfect for right and left threads
- adjustable T-handle
- 180° swivel head
- heavy duty

Item #
8330

PRO+

All Purpose Key "Profi-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
- must have tool for industry, handcraft, town councils, energy suppliers, public services, electricians, DIY, sanitary, building, janitors and many more
- 90x62 mm, weight 80 g

Item #
9416

PRO+

All Purpose 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
- must have tool for industry, handcraft, town councils, energy suppliers, public services, electricians, DIY, sanitary, building, janitors and many more
- 72x72 mm, weight 80 g

Item #
9415

Radiator Spud Wrench, 1/2", five steps

12.5 ½

- in five different size: 3/8", 7/16", 1/2", 16 und 21 mm
- 1/2" drive

Item #
1462

Radiator Spud Wrench, 1/2" Drive

12.5 ½

- chrome plated
- 3/8" - 7/16" - 1/2" - 5/8" - 13/16" mm
- fitting ratchet: item # 312

Item #
1461

Sanitary Cross Wrench

- suitable for work in the sanitation sector
- fits on screws
  - with 1/2" and 3/8" external square
  - with 3/8 ", 1/2", 3/4 ", 1" and 10, 12, 17, 22 mm internal hexagon

Item #
8448

Sanitary Wrench, with sliding part M10

- 17 x 19 mm
- sliding part with M10 interrior thread

Item #
8560

Silicone Scraper

- for cutting silicone out of seams

Item #
85201

PRO+

8-piece Silicone Trowel and Scraper Set

- to fill, clean, cut and smooth
- suitable for all silicone-filled seam
- with different, changeable profile trowels
- stainless steel
- the perfect tool for flexible fill

Item #
85200

PRO+

Pruning Shear, 210 mm

- hardened
- teflon coated blades

Item #
9111

PRO

Folding Spade, Length 625 mm

- 3-way adjustable
- length folded: 440 mm
- spade blade length: 215 mm
- spade blade width: 145 mm
- wooden handle length: 410 mm

Item #
2135

PRO

Soil Auger

- useful to set fence posts and for planting
- drill diameter: 140 mm
- drill length: 1030 mm
- overall length: 1400 mm

Item #
2728

PRO

Heating Torch and Heat Up Burner

- to burning off unwanted grass etc.
- suitable for propane / butane gas bottles (LPG)
- nozzle diameter: 60 mm
- power: 110 kW
- temperature: 1,850 ° C
- gas consumption: 7,800 g / h
- hose length: 3 m
- pressure valve not included

Item #
8300

PRO+

Cantilever Tool Box

- sheet steel
- heavy duty finish
- in hammerblow blue
- **200 mm wide, 200 mm high**
- jeweils einzeln in Karton verpackt

PRO+

Item #	Description
3300	5-piece Cantilever Tool Box, Length 430 mm
3302	5-piece Cantilever Tool Box, Length 530 mm
3301	3-piece Cantilever Tool Box, Length 430 mm

Engineers Tool Case, Aluminium, 460x340x150 mm

- removable tool pallet and 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

PRO

Tool Wallet, 15 Pockets

- size: 660x320mm
- sold without tools

Item #
3314

PRO

Professional Staple Gun

- weight: 1300 g
- incl. 200 staples
- chrome plated
- for staples 6-17 mm
  nails & pins 12-16 mm

Item #
3010

PRO+

Funnel, Metal Finish

- with flexible neck and sieve
- mouth Ø 145 mm
- neck length: 300 mm

Item #
8030

PRO+

3-in-1 Moisture Meter

- for measuring the moisture level in sawn timber, paper cardboard and hardened materials like mortar, concrete and plaster
- displays the moisture level immediately
- can also measure environment temperature
- measuring range:
  - wood: 6-42 % (accuracy 0,1 %)
  - building materials: 0,2 - 2,0 % (accuracy 0,1 %)
  - temperature: 0-40°C, oder 22-99°F (accuracy 1°C / 2°F)

Item #
2191

PRO+ CE

Digital LCD Protractor with Level, 450 mm

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

Item #
50440

PRO+ CE

4 in1 Digital Detector, for Wood, Metal, Electricity

- allows the localization of metal, wire,
  thereby securing cable + water pipes before drilling
- contains tape measure and pencil for
  construction, installation, modification, etc.
- automatic switch-off
- sensitivity:
  - bar mode:
    wooden bar 30 x 30 mm at a depth of up to 14 mm
  - metal mode:
    metal pipes Ø 20 mm at a depth of up to 25 mm
  - voltage mode: 50mm depth at about 230 V
- application environment -7 ~ 40 ° C
- humidity 75% RH
- storage environment -20 ~ 50 ° C
- humidity 85% RH
- 6F22, 9V or comparable
- dimensions 180 (L) x 73 (W) x 32 (D) mm
- weight 213 g

Item #
63527

PRO+ CE

Digital Protractor

- 3 in 1: protractor, dopmeter 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 always reads upright
- degree and slope conversion
- auto power off, low battery warning
- measuring range: 4 x 90°
- resolution: 0,1°
- battery type: 3 V CR2032 x 3 pcs.
- working Temperature: 0°C - 40°C
- relative humidity: 40% - 80%
- dimension: 6" x 2" x 1,3"

Item #
9330

PRO+ CE

12-piece Chisel Set

- high quality steel
- different tip shapes for all applications
- length 225 mm
- for easy and professionel working
- handles made from high quality wood

In wooden box

Item #
52712

PRO+

3-piece LED Tweezers Set

- particularly useful in poorly lit work areas, e.g. instrument panels
- equipped with especially bright LEDs
- battery: LR41 button cell
- length: 150 mm

Item #
3129

PRO+

Plastik Hanger for 4-pt. Internal Squares

- e.g. for Sockets

Item #	Description
HANGER-1	1/4" Plastic Hanger
HANGER-2	3/8" Plastic Hanger
HANGER-3	1/2" Plastic Hanger
HANGER-4	3/4" Plastic Hanger
HANGER-5	1" Plastic Hanger

Tool Exhibition Wall BGS technic

- 220 x 100 x 45 cm (height x width x depth)
- includes two trays for the presentation of larger cases etc.
- for supporting the sale of BGS items
- includes 50 hooks

PRO+

Item #	Description
57	Tool Exhibition Wall BGS technic
57-1	Additional Shelf for Tool Exhibition Wall BGS 57
57-2	10-piece Hook Set for BGS Wall, system Tegometall, galvanized

Counter Sales Display

- display made of 5 mm coated steel wire
- holder for ads
- height 230 mm, depth 185 mm, width 230 mm
- sold without tools

Item #
60

PRO+

Demonstration Bar for Gear Lock Sockets

- helps to present the multi-purpose Gear Lock socket to your customers
- includes Gear Lock socket (19 mm) that perfectly fits all installed screw types: 6-point, 12-point, E-type, inch sizes, square, Ribe, Spline and even damaged screws

Item #
56

PRO+ ZOLL/SAE

BGS Ball Pen

Item #
Kugel

PRO+

BGS Lighter

Item #
Feuer

PRO+

BGS Plastic Bag, 35x40 cm

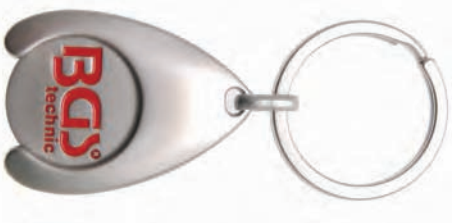
Item #
Tasche

PRO+

BGS Shopping Cart Coin

Item #
Coin

PRO+



BGS Bottle Opener

Item #
Öffner

PRO+

DIY SECTION

Hand Tools	534
Automotive Tools	571
Consumables	591
Household, House & Garden	598

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Roller Cabinet KRAFTMANN, 5 Drawers Completly Equipped

- an ideal companion in your workshop
- 5 drawers extensively equipped with tools
- 2 additional large drawers for accommodation of big tools, machines or materials
- includes most needed tools like:
  - 6.3 (1/4) ratchet, short extension, long extension, sliding handle, handle and joint
  - **6.3 (1/4) sockets:** 4-4.5-5-5.5-6-7-8-9-10-11-12-13-14 mm
  - 10 (3/8) ratchet, short extension, long extension, sliding handle, handle and universal joint
  - **10 (3/8) sockets in:** 8-9-10-11-12-13-14-15-16-17-18-19-21-22-24 mm
  - 12.5 (1/2) ratchet, short extension, long extension, sliding handle, handle and universal joint
  - **12.5 (1/2) sockets in:** 10-11-12-13-14-15-16-17-18-19-21-22-24-27-30-32mm
  - triangular, square, round, flat file and 1 rasp
  - side cutter, combination, long nose and self grip pliers
  - combination spanners in following sizes: 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22 - 27-29-30 and 32 mm
  - deep offset double ring wrench in following sizes: 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22 mm
  - 7 pcs. precision mechanic screwdriver set
  - 15 pcs. screwdriver set
  - nailer / stapler including nail assortment
  - 2 adjustable wrenches
- dimensions: W770 x D465 x H970 mm

Item #
4070

94-piece Socket Set 1/4" + 1/2"

12.5 ½ | 6.3 ¼

- all parts manufactured from chrome vanadium steel
- hardness and torque in accordance with DIN
- "super lock" sockets

- contents:
  - 6.3 (1/4) drive:
    - ratchet, short extension, long extension universal joint, sliding T-handle
    - super lock sockets in the following sizes: 4-4.5-5-5.5-6-7-8-9-10-11-12-13 and 14 mm
    - super lock deep sockets in following sizes: 6-7-8-9-10-11-12-13 mm
    - T Star bit sockets: T8-T10-T15-T20-T25-T27-T30
    - 4x cross bit sockets and 3x slot bit sockets
    - hex bit sockets: 3-4-5-6 mm
- 12.5 (1/2) drive:
    - ratchet, short extension, long extension universal joint, sliding T-handle
    - super lock sockets in the following sizes: 10-11-12-13-14-15-16-17-18-19-20-21-22-24-27-30-32 mm
    - super lock deep sockets in sizes: 14-15-17-19-22 mm
    - 1x bit holder
    - T Star bits: T40-T45-T50-T55-T60
    - 6 x cross bits and 3 slotted bits
    - hex bits: 7-8-10-12-14 mm
    - spark plug sockets: 16 and 21 mm

Item #
2296

CV

108-piece Socket Set, 1/4" & 1/2"

12.5 ■ ½ | 6.3 ■ ¼

- all parts manufactured from chrome vanadium steel
- **hardness and torque in accordance with DIN**
- "super lock" sockets

- contents:
  - 6.3 (1/4) drive:
    - ratchet, short extension, long extension universal joint, sliding T-handle
    - super lock sockets in the following sizes: 4-4.5-5-5.5-6-7-8-9-10-11-12-13 and 14 mm
    - super lock deep sockets in following sizes: 6-7-8-9-10-11-12-13 mm
    - T Star bit sockets: T8-T10-T15-T20-T25-T27-T30
    - 4x cross bit sockets and 3x slot bit sockets
    - hex bit sockets: 3-4-5-6 mm
    - E-type sockets: E4-E5-E6-E7-E8
  - 12.5 (1/2) drive:
    - ratchet, short extension, long extension universal joint, sliding T-handle
    - super lock sockets in the following sizes: 10-11-12-13-14-15-16-17-18-19-20-21-22-24-27 30 and 32 mm
    - super lock deep sockets in sizes: 14-15-17-19-22 mm
    - 1x bit holder
    - T Star bits: T40-T45-T50-T55-T60
    - 6 x cross bits and 3 slotted bits
    - hex bits: 7-8-10-12-14 mm
    - E-type sockets: E10-E11-E12-E14-E16-E18-E20-E24
    - spark plug sockets: 16 and 21 mm

Item #
2287

CV

150-piece Socket Set

10 ■ ⅜ | 12.5 ■ ½ | 6.3 ■ ¼

- all parts manufactured from chrome vanadium steel
- hardness and torque in accordance with DIN
- "super lock" sockets
- 3 fine 72 tooth reversible ratchets
- with gold colour coated bits and bit-sockets

- contents:
  - 6,3 (1/4) drive
    - ratchet, extension bars, joints, sliding bar, spinner handle
    - sockets: 4-4,5-5-5,5-6-7-8-9-10-11-12-13-14 mm
    - deep sockets: 4-5-6-7-8-9-10 mm
    - T-Star Bit Sockets: T8-T10-T15-T20-T25-T27-T30 mit und ohne Bohrung
    - 3x PH, 3x PZ, 4 slotted bit sockets
    - Internal Hexagon Bit Sockets: 3-4-5-6 mm
    - E-type Sockets: E4-E5-E6-E7-E8
  - 10 (3/8) Antrieb:
    - ratchet, extension bars, joints, spinner handle
    - sockets: 10-11-12-13-14-15-16-17-18-19 mm
    - deep sockets: 10-11-12-13-14-15 mm
    - E-type Sockets: E10-11-12-14-16-18-20-24
    - deep spark plug socket 18 mm
  - 12,5 (1/2) Antrieb:
    - ratchet, extension bars, joints, sliding bar, spinner handle, bit holder
    - sockets: 10-11-12-13-14-15-16-17-18-19-20-21-22-24-27,30,32 mm
    - deep sockets: 16-17-18-19-22 mm
    - deep spark plug socket 16 and 21 mm
- 8 (5/16) bit assortment: PH, PZ, slotted, Int. Hexagon, T-Star

Item #
2291

CV

46-piece Socket Set, 1/4"

6.3 ◘ 1/4

- sockets from 4 to 13 mm
- comes with plain slot, cross slot, hexagon and T-Star bit sockets in different sizes
- made according to DIN standards
- 45 tooth reversible ratchet with quick release button
- 2 component handle
- matt chrome plated

Item #
2142

CV

27-piece Socket Set, 1/4"

6.3 ◘ 1/4

- 1/4" reversible ratchet
- 12 Pro Torque® sockets, 1/4" drive:
  4 - 4,5 - 5 - 5,5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm
- 14 bit sockets, 1/4" drive:
  TX 10 - 15 - 20 - 25 - 30, cross PH 1 - 2
  slot 4 - 5,5 - 7 mm, Internal Hexagon 3 - 4 - 5 - 6 mm

Item #
15105

CV

7-piece Socket Set, 3/8"

10 ◘ 3/8

- 3/8" reversible ratchet
- 8 - 10 - 13 - 15 - 17 and 19 mm sockets

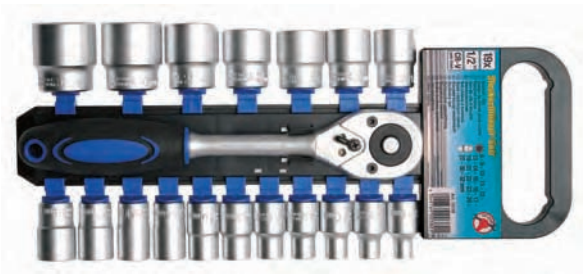
Item #
15112

CV

19-piece Socket Set, 1/2"

12.5 ◘ 1/2

- 1/2" reversible ratchet
- 18 Pro Torque® sockets, 1/2" drive:
  8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 -
  19 - 21 - 22 - 23 - 24 - 27 - 30 - 32 mm



Item #
15110

CV

20-piece Socket Set, 3/4"

20 ■ ¾

- forged
- 16 hexagon sockets
  19-21-22-23-24-26-27-30-32-34-36-38-41-46-48-50 mm
- 1 reversible ratchet 500 mm
- 1 sliding tee bar 450 mm
- 2 extension bars 100-200 mm
- satin chrome plated

Item #
1202

6-piece Pipe Wrench Set, 8 - 17 mm

- sizes: 8x9, 10x11, 12x13, 14x15, 16x17 mm
- chrome finish
- includes toggle

Item #
85814

23-piece Tool Set

- 1 allround hand saw with 150 mm saw blade
- 1 hammer 300 gr. DIN 1041
- 1 PVC tape role
- 1 adjustable spanner 150 mm
- 2 precision screwdrivers:
  plain slot 2,4 mm, cross slot PH# 0
- 2 plain slotted screwdrivers 5,5x125 mm; 6,5x125 mm
- 1 electricity tester
- 3 cross slotted screwdrivers:
  PH #1x80 mm; #2x100 mm; #3x125 mm
- 8 L-type wrenches for internal hexagon 1,5 - 6 mm
- 1 combination pliers 165 mm
- 1 waterpump pliers 240 mm
- 1 measuring tape 3 m

Packed in high quality fabric wallet

Item #
2199

42-piece Bit / Drill Set, 1/4"

- 14 bits 50 mm:
- plain slot 5 & 6mm, int. hex. 2, 2.5, 3, 4, 5, 6 mm, T STAR T10, 15, 20, 25, 30, 40
- 7 sockets 35 mm lang for int. hex. 5.5, 6, 7, 8, 10, 12, 13 mm
- 2 belt clips
- 1 magnetic bit-holder
- 5 reversible bits 110 mm long: 3 x PH #2 & 2x PZ #2,
- 6 reversible bits 65 mm long PZ #1, 2, 3 PH #1, 3 plain slot 5mm
- 2 bits 100 mm long PH 2 & PZ 2
- 1 adaptor 65 mm for 1/4" int. square head,
- 5 drills with 1/4" hexagon drive 1.5, 2.5, 3, 4, 5 mm

Item #
759

CV

15-piece Internal Hexagon Bit Set

- suitable for int. hexagon screws (Inbus)
- 7 int. hex. bits short 4-5-6-7-8-10 -12 mm
- 7 int. hex. bits long 4-5-6-7-8-10-12 mm
- 1 adaptor socket 1/2" 10 mm for holding bits

Item #
5070

CV

15-piece T-Star Bit Set

- suitable for T-STAR screws
- 7 T STAR bits short T 20-25-30-40-45-50-55
- 7 T STAR bits long T 20-25-30-40-45-50-55
- 1 adaptor socket 1/2" 10 mm for holding bits

Item #
5040

CV

11-piece Spline Bit Set

- suitable for spline screws (XZN)
- 5 spline bits short, M 5-M 6-M 8-M 10-M 12
- 5 spline bits long, M 5-M 6-M 8-M 10-M 12
- 1 adaptor socket 1/2" 10 mm for holding bits

Item #
5030

CV

33-piece Security Bit Set 50 mm

- includes the following, most common bits:
  - Phillips bits: PH 0 - 1 - 2 - 3
  - Phillips bits: PZ 0 - 1 - 2 - 3
  - Slotted bits: 3 to 7 mm
  - Internal Hexagon Wrenches: 2 to 6 mm
  - T-Star: T10 to T40
- magnetic adapter for electric drills
- in plastic holder

Item #
20810

20-piece Bit Assortment, 1/4"

- 1/4" drive
- including 4 plain slot 3-4,5-6-7 mm
- 4 cross slot 0-1-2-3
- 4 PZ-type 0-1-2-3
- 4 T-STAR T 10-15-20-30
- 4 internal hexagon 3-4-5-6 mm

Item #
4830

10-piece Reversible "Gold" Bit Set, 1/4"

- cross slot 1-2-3
- PZ-type 1-2-3
- plain slot 3-4-6-7 mm
- length 65 mm

Held in plastic belt holder

Item #
4813

10-piece "Gold" Bit Set, 1/4"

- cross slot 1-2-3
- PZ-type 1-2-3
- plain slot 3-4-6-7 mm
- length 50 mm

Held in plastic belt holder

Item #
4814

32-piece Special Bit Set

- for security screws
- 1/4" drive
- 35 mm long
- suitable for drills

Contents:
- 9 x T STAR-tamperproof T8-10-15-20-25-27-30-35-40
- 6 x internal hexagon-tamperproof 2-2,5-3-4-5-6 mm
- 3 x offset four wing 6-8-10 mm
- 4 x open end 4-6-8-10 mm
- 4 x tri-wing 1-2-3-4
- 3 x PZ1-2-3
- 2 x cross slot 1 & 2
- 1 x plain slot 6 mm

Item #
763

Angled Screwdriver with 7 Double Ended Bits

- angled screwdriver for 1/4" bits
- 7 double ended bits
  PZ 1-2-3, PH 1-2-3
  slot 4-5-6 mm
  Internal Hexagon 4-5-6 mm
  TX 15, TX 20

In belt holder

Item #
20805

11-piece Bit Assortment with bendable Mandrel

- especially for use with power drills
- bendible mandrel, 300 mm, 1/4" Antrieb
- 6 bits 50 mm long:
  slot 4,5 + 7 mm, PH 1+2, PZ 1+2
- 4 bits 75 mm long:
  PH 1+2, PZ 1+2

Item #
20804

26-piece Bit and Socket Angle Screwdriver Set

- for manual use
- 15 bits 1/4":
  slot 4-5-6 mm, PH 1-2-3, PZ 1-2-3
  internal hexagon 3-4-5 mm, T 15-20-25
- 1 bit adaptor
- 9 sockets:
  5-6-7-8-9-10-11-12-13 mm

Item #
20802

23-piece MICRO Bit Set

- suitable for precision engineering work
- 4 mm bits included in the following sizes:
  - slotted bits: 1,5 - 2,0 - 2,5 - 3,0 mm
  - T-Star bits without hole: T5 - T6 - T7 - T8 - T15
  - T-Star bits with hole: T8 - T10 - T15
  - 2.5 mm 2-pin-bit
  - 3.0 mm 3-slotted bit
  - 3.0 mm 3-pt. bit
  - 5 Phillips bits
- 2-component handle
- tweezers, 120 mm

Item #
20823

33-piece Precision Bit Set

- 30 precision bits in following sizes:
  9x T-Star bits T4 - T20
  8x Internal Hexagon bits: 0,7 - 4,0 mm
  7x slot bits 1,0 - 4,0 mm
  4x cross slot bits PH 000 - 00 - 0 - 1
  2x Pozi bits PZ 0 - 1
- handle, extendable from 125-175 mm

Item #
20803

CV

10-piece Angle Nut Runner Set

- adjustable angle nut runner
- 6 bits: PH 1+2, PZ 1+2, Schlitz 5+6 mm
- 1 bit adaptor 1/4"
- 2 sockets 8+10 mm

Item #
20801

CV

Flexible Angle Bit Holder Extension, 310 mm

- 1/4" drive, for 1/4" bits
- with angle bit holder
- with guide-holder, adjustable

Item #
4845

Angled Bit Holder

- 1/4" hex drive
- special short construction (only 37 mm) height) for hard-to-reach areas
- quick release function

Item #
4846

8-piece Nut Driver Set, 5 - 13 mm

- 1/4" 6-pt drive
- suitable for cordless drills with 6-point reception and drill chucks
- 6-pt sockets in sizes: 5 - 6 - 7 - 8 - 9 - 10 - 12 - 13 mm

Item #
67308

CV

88-piece 1/2" Bit Socket Sets: Spline, Internal Hexagon, T-Star

12.5 ½

- 55 mm spline bit sockets
  sizes: M5 - M6 - M8 - M9 - M10 - M12 - M14 - M16
- 100 mm spline bit sockets
  sizes: M5 - M6 - M8 - M9- M10 - M12 - M14
- 140 mm spline bit sockets
  sizes: M5 - M6 - M8 - M9- M10 - M12 - M14
- 200 mm spline bit sockets
  sizes: M8 - M10 - M12 - M14

- 55 mm int. hex. bit sockets
  sizes: 5 - 6 - 7 - 8 - 10 - 12 - 14 - 17 - 19 mm
- 100 mm int. hex. bit sockets
  sizes: 5 - 6 - 7 - 8 - 10 - 11 - 12 - 13 mm
- 140 mm int. hex. bit sockets
  sizes: 5 - 6 - 7 - 8 - 10 - 12 - 14 mm
- 200 mm int. hex. bit sockets
  sizes: 5 - 6 - 7 - 8 - 10 - 12 mm

- 55 mm t-star bit socket
  sizes: T20 - T25 - T27 - T30 - T40
  T45 - T50 - T55 - T60 - T70
- 100 mm t-star bit socket
  sizes: T20 - T25 - T27 - T30 - T40
  T45 - T50 - T55 - T60 - T70
- 140 mm t-star bit socket
  sizes: T40 - T45 - T50 - T55 - T60 - T70
- 200 mm t-star bit socket
  sizes: T40 - T45 - T50 - T55 - T60 - T70

Item #
5186

CV

Ratchets "Kraftmann"

- quickly reversible
- with an anatomically formed rubber handle

Item #	Description
221	1/4" Ratchet "Kraftmann"
301	3/8" Ratchet "Kraftmann"
2300	1/2" Ratchet "Kraftmann"

3-piece Adaptor Set for Electric Drills, 1/4" - 3/8" - 1/2"

- grey, sandblasted
- 3 adaptors 1/4", 3/8", 1/2" square head, each with ball head
- length 75 mm
- suitable for using on electric drills, 1/4" hex.

Item #
8204

Combination Spanners XXL, extra long

- polished jaws & rings
- extra long

size spanner length
34 ....340 mm
36 ....350 mm
38 ....370 mm
41 ....500 mm
46 ....560 mm
50 ....600 mm
55 ....650 mm

Item #	Description
1185	6-piece Combination Spanner Set XXL, 34-50 mm
1185-34	Combination Spanner, 34 mm
1185-36	Combination Spanner, 36 mm
1185-38	Combination Spanner, 38 mm
1185-41	Combination Spanner, 41 mm
1185-46	Combination Spanner, 46 mm
1185-50	Combination Spanner, 50 mm
1185-55	Combination Spanner, 55 mm
1185-57	Combination Spanner, 57 mm
1185-60	Combination Spanner, 60 mm
1185-65	Combination Spanner, 65 mm
1185-70	Combination Spanner, 70 mm
1185-75	Combination Spanner, 75 mm

25-piece Combination Spanner Set, 6-32 mm

- all parts manufactured from carbon-steel
- hardened, chrome plated
- 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

Packed in a tetron wallet

Item #
1198

5-piece Ratcheting Ring Spanner Set, 6x8-19x22 mm

- chrome plated
- flat
- reversible
- 6x8-9x10-12x13-15x17-19x22 mm

Item #
1450

5-piece Ratcheting Ring Spanner, Inch, 1/4"-11/16"

- chrome plated
- flat
- reversible
- sizes: 1/4"x5/16, 3/8"x7/16", 1/2"x9/16, 3/4"x5/8", 7/8"x11/16"

Item #
1449

ZOLL/SAE

7-piece Combination Ratchet Ring Wrench Set

- ratchet with 72 teeth
- 12-pt. ring wrench
- 8 - 10 - 12 - 13 - 14 - 17 and 19 mm
- polished and chrome plated

Item #
30000

Adjustable Wrenches, "Extra"

chrome plated and polished

Item #	Description
1470	Adjustable Wrench, "Extra", 6"
1471	Adjustable Wrench, "Extra", 8"
1472	Adjustable Wrench, "Extra", 10"
1473	Adjustable Wrench, "Extra", 12"
1474	Adjustable Wrench, "Extra", 15"

11-piece L-Type Socket Wrench Set, 6-22 mm

- both ends with hexagon sockets
- each size with a straight and an offset end
- 6-7-8-10-11-12-13-14-17-19-22 mm

Item #
1178

CV

8-piece Internal Hexagon Key Set, 2-10 mm

- nickel plated
- 2-2.5-3-4-5-6-8-10 mm

Item #
7842

CV

7-piece Internal Hexagon Pocket Key Set, 2.5-10 mm

- hardened
- 2,5-3-4-5-6-8-10 mm

Item #
787

CV

30-piece Internal Hexagon Key Set, Inch and Metric Sizes, in Case

- black finish
- 0,7-0,9-1,3-1,5-2-2,5-3-4-4,5-
  5-5,5-6-7-8-10 mm
- 0,028"-0,035"-0,050"-1/16"-5/64"-
  3/32"-7/64"-1/8"-9/64"-5/32"-3/16"-
  7/32"-1/4"-5/16"-3/8"

Item #
810

ZOLL/SAE CV

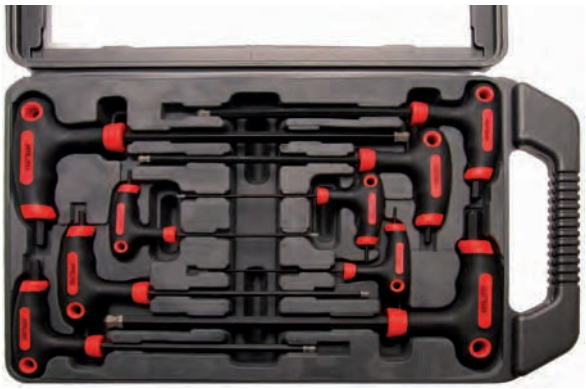
16-piece Internal Hexagon and T-Star Key Set

- 8 T-Handle-Keys Internal Hexagon:
  2x75 mm, 2.5x75 mm, 3x100 mm, 4x100 mm,
  5x150 mm, 6x150 mm, 8x200 mm, 10x200 mm
  (ball end finish on long ends)
- 8 T-Handle-Keys T-Star:
  T10x75 mm, T15x75 mm, T20x100 mm,
  T25x100 mm, T30x150 mm, T40x150 mm,
  T45x200 mm, T50x200 mm
- with slip-guard handles

Item #
90

9-piece T-Handle Key Set for Internal Hexagon Screws, 2x100 mm - 10x200 mm

- each long end in ball end finish
- contents:
  2x100 mm
  2,5x100 mm
  3x100 mm
  4x150 mm
  5x150 mm
  6x150 mm
  7x150 mm
  8x200 mm
  10x 200 mm



Item #
7882

CV

T-Handle Wrench for Internal Hexagon Screws

- black finished
- long end in ball end finish
- 2-component handles

CV

Item #	Description
7882-2	T-Handle Wrench for Hexagon Screws, 2 mm, Length 100 mm
7882-2.5	T-Handle Wrench for Hexagon Screws, 2.5 mm, Length 100 mm
7882-3	T-Handle Wrench for Hexagon Screws, 3 mm, Length 100 mm
7882-4	T-Handle Wrench for Hexagon Screws, 4 mm, Length 150 mm
7882-5	T-Handle Wrench for Hexagon Screws, 5 mm, Length 150 mm
7882-6	T-Handle Wrench for Hexagon Screws, 6 mm, Length 150 mm
7882-7	T-Handle Wrench for Hexagon Screws, 7 mm, Length 150 mm
7882-8	T-Handle Wrench for Hexagon Screws, 8 mm, Length 200 mm
7882-10	T-Handle Wrench for Hexagon Screws, 10 mm, Length 200 mm

10-piece Internal Hexagon T-Handle Key Set, 2-10 mm

- T-handle
- 2-2,5-3-4-4,5-5-5,5-6-8-10 mm

Supplied complete in storage rack

Item #
791

CV

10-piece Internal Hexagon T-Handle Key Set, 3/32"-3/8"

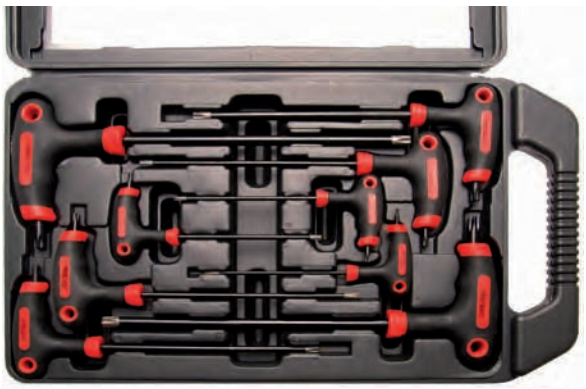
- T-handle
- 3/32"-7/64"-1/8"-9/64"-5/32"-3/16"-7/32"-1/4"-5/16"-3/8"

Item #
7099

ZOLL/SAE CV

9-piece T-Handle Key Set for T-STAR Screws, T10-T50

- short ends in tamperproof finish
- content:
  T10x145 mm
  T15x145 mm
  T20x145 mm
  T25x210 mm
  T27x215 mm
  T30x215 mm
  T40x220 mm
  T45x275 mm
  T50x280 mm



Item #
7880

CV

T-Handle Wrench for T-STAR Screws

- black finish blades
- short end in tamperproof finish
- 2-component handle

CV

Item #	Description
7880-T10	T-Handle Wrench for T-STAR Screws, T10, Length 145 mm
7880-T15	T-Handle Wrench for T-STAR Screws, T15, Length 145 mm
7880-T20	T-Handle Wrench for T-STAR Screws, T20, Length 145 mm
7880-T25	T-Handle Wrench for T-STAR Screws, T25, Length 210 mm
7880-T27	T-Handle Wrench for T-STAR Screws, T27, Length 215 mm
7880-T30	T-Handle Wrench for T-STAR Screws, T30, Length 215 mm
7880-T40	T-Handle Wrench for T-STAR Screws, T40, Length 220 mm
7880-T45	T-Handle Wrench for T-STAR Screws, T45, Length 275 mm
7880-T50	T-Handle Wrench for T-STAR Screws, T50, Length 280 mm

6-piece T-Handle Double Key Set, T10-40

- satin chrome plated
- black tip on long arm
- short arm: tamperproof
- for T-STAR screws
- T 10-15-20-25-30-40

Item #
7830

CV

Carburetor Screwdriver, 6 mm Plain Slot, 80 mm long

- non-slip rubber handle

Item #
728

CV

Carburetor Screwdriver, PH #2, 80 mm long

- non-slip rubber handle

Item #
729

CV

12-piece Screwdriver Set

- end-to-end hex. blade with outer hexagon for extra torque when using a spanner or socket
- ergonomical handle

- sizes: (length without handle and hex.)
  plain slot : 3.2x72 mm; 5.0x75 mm; 6.0x100 mm; 6.0x38 mm; 8.0x150 mm; 9.5x200 mm
- cross slot: #0x75 mm; #1x75 mm; #2x100; #2x38 mm; #3x150 mm, #4x 200 mm

Item #
7890

CV

5-piece Workshop Screwdriver Set, with Non-Slip Rubber Coated Handles

- non-slip handles
- magnetic tips
- in accordance with DIN 5264
- plain slot: 4,0x80 mm, 5,5x125 mm, 6,5x150 mm
- cross slot: #1x80 mm, #2x100 mm

In window box

Item #
7946

11-piece Screwdriver Set

- satin chrome plated
- with interchangeable blades,
- "20 in 1"
- soft grip spinning handle
- plain slot 4x6 mm, 5x7 mm,
- cross slot # 1 + # 2
- PZ type # 1 + 2,
- int hex. 4 mm x 4 mm ball head
- int hex. 5 mm x 5 mm ball head
- int hex. 6 mm x 6 mm ball head
- T-STAR T10x15,T20x25, T30x40

Item #	Description
7988	11-piece Screwdriver Set
7988-1	2-way Screwdriver Handle from BGS 7988

Hand Impact Wrench

- for loosening tight screws
  e.g. on door hinges and door locks
- anti-slip handle
- including:
  5 - 6 - 8 and 9 mm slotted bits
  1 - 2 - 3 and 4 PH bits
  4 - 5 - 6 and 8 mm hexagon bits
- heavy duty, weight approx. 900 g

Item #
712

11-piece Screwdriver Set, T-STAR, tamperproof

- non-slip handles
- power shape handle
- T6-7-8-9-10-15-20-25-27-30-40

Item #
7845

CV

11-piece Screwdriver Set, T-STAR, not tamperproof

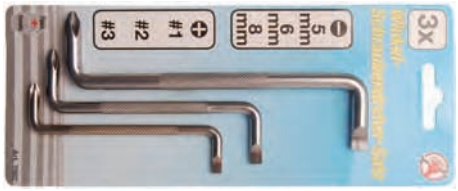
- non-slip handles
- power shape handle
- T6-7-8-9-10-15-20-25-27-30-40

Item #
7844

CV

3-piece L-type Wrench Set

- plain slot 5-6-8 mm
- cross slot Nr. 1-2-3



Item #
7982

6-piece Precision Screwdriver Set, Phillips / Slot

- slotted screwdrivers: 1.4 - 2.0 - 2.4 - 3.0 mm
- phillips screwdrivers: PH 0 - PH 1
- nickel plated
- in plastic box

Item #
7968

11-piece Precision Screwdriver Set

- plain slotted blades 1,0 -1,2-1,4-1,8-2,4-3,0
- cross slotted blades 00-0-1
- pricker
- magnetic holder
- hardened

Packed in plastic case (as displayed)

Item #
7969

7-piece Professional Screwdriver Set for Electricians

- incl. 7 interchangeable precision double ended blades
- blades T 6x10-T 7x15-T8x20-T 9x15
- cross slot # 00 x 2 mm plain slot
- cross slot # 0 x 3 mm plain slot
- cross slot # 1 x 4 mm plain slot
- incl. blade holder

Packed in plastic case with transparent top

Item #
797

3-piece Precision Screwdriver Set, Length 140 mm

- for working on mobile phones
- all drivers are magnetic, satin chrome plated and with a soft rubber handle
- sizes: T-STAR: T4-5-6

Item #
803

Machinist's Hammers

- TÜV / GS approved
- forged
- black lacquered finish
- ergonomically shaped wooden handle
- with metal wedge

Item #	Description
1850	Machinist's Hammer, 100 g
1851	Machinist's Hammer, 200 g
1852	Machinist's Hammer, 300 g
1853	Machinist's Hammer, 400 g
1854	Machinist's Hammer, 500 g
1855	Machinist's Hammer, 800 g
1856	Machinist's Hammer, 1000 g
1857	Machinist's Hammer, 1500 g
1858	Machinist's Hammer, 2000 g

Stoning Hammer, 1000 g

- TÜV / GS approved
- forged
- black lacquered finish
- ergonomically shaped wooden handle
- with metal wedge

Item #
1847

Rubber Mallets

- wooden handle

Item #	Description
1860	Rubber Mallet, Head Diameter 55 mm, 250 g
1861	Rubber Mallet, Head Diameter 65 mm, 500 g
1862	Rubber Mallet, Head Diameter 75 mm, 750 g

19-piece Twist Drill Set, HSS, 1-10 mm

- 0,5 mm steps
- drills manufactured from **HSS-steel**

In metal case

Item #
2010

6-piece HSS Milling Cutter Set, 3-8 mm

- titanium coated
- 3-4-5-6-6,5-8 mm

In wooden case (as displayed)

Item #
1996

10-piece Titanium Coated HSS Drill Set

- 1/4" hexagon shaft
- 1,5 - 2,0 - 2,5 - 3,0 - 3,2 -3,5 - 4,0 - 4,5 - 5,0 - 6,0 mm
- in plastic holder

Item #
50801

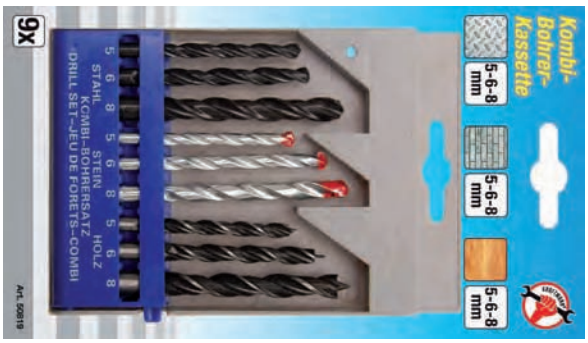
13-piece HSS Twist Drill Set, Titanium Coated

- drill diameter:
  1.5 - 2.0 - 2.5 - 3.0 - 3.2
  3.5 - 4.0 - 4.5 - 4.8 - 5.0
  5.5 - 6.0 - 6.5 mm
- material: HSS steel
- in storage holder

Item #
50813

9-piece Combined Drill Set

- includes:
  - 3 twist drills in 5, 6 and 8 mm
  - 3 masonry drills in 5, 6 and 8 mm
  - 3 wood drills in 5, 6 and 8 mm
- in storage box



Item #
50819

300-piece Drill & Anchor Set

- in plastic storage box
- includes:
  - 7x twist drills in 2 - 3 - 4 - 5 - 6 - 8 - 10 mm
  - 5x wood drills in 4 - 5 - 6 - 8 - 10 mm
  - 5x masonry drills in 4 - 5 - 6 - 8 - 10 mm
  - 1x bit holder, 2 slotted bits 4.5 to 6 mm,
  - 2x PH cross bits in 1 - 2 and 2x cross bits PZ in 1 - 2
  - extensive range of anchors in 5 - 6 - 8 - 10 mm

Item #
50820

5-piece Masonry Drill Set, 4-8 mm

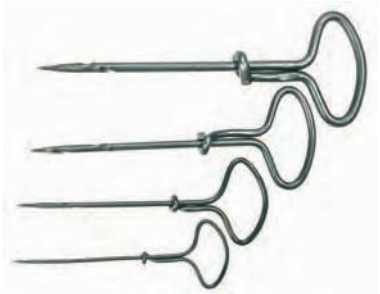
- storage box
- sizes: 4 - 5 - 6 - 7 - 8 mm

Item #
50805

4-piece Hand Drill Set, 2-5 mm

- sizes: 2 - 3 - 4 - 5 mm

Item #
2022



5-piece Wood Working Drill Set, in Case

- sizes: 4 - 5 - 6 - 8 - 10 mm

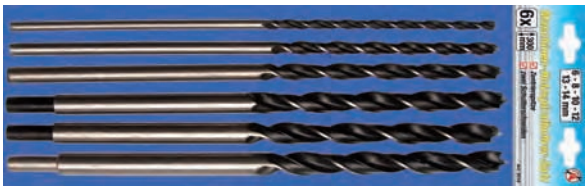
Item #
2017

PRO

6-piece, Wood Working Drill Set

- sizes: 6 - 8 - 10 - 12 - 13 - 14 mm
- 300 mm long

In plastic bag



Item #
2018

6-piece Hammer Drill with SDS-Shaft Set, Carbide Tipped

- 5 - 6 - 8 x 110 mm
- 6 - 8 - 10 x 160 mm

In plastic case (as displayed)

Item #
2007

5-piece Forstner Bit Set, 5-35 mm, Titanium Coated

- 15-20-25-30-35 mm
- length 75 mm

In wooden case (as displayed)

Item #
2025

3-piece HSS Step Drill Set, 3-20 mm

- **titanium coated**
- 1/4" drive
- size 1: 3-12 mm, 1 mm steps
- size 2: 6-20 mm, 2 mm steps
- size 3: 4-12 mm, 2 mm steps

With storing pouch

Item #
1616

Drilling Dust Catcher for Vacuum Cleaner

- sucks the dust directly when drilling
- easy to be mounted on vacuum cleaner tubes with Ø 30-38 mm
- ledger lines for precise alignment
- max. drill diameter: 12 mm

Item #
50837

Quick Action Chucks

Item #	Description
9935	Quick Action Chuck, 0.8-10 mm, 3/8", 24 UNF
9936	Quick Action Chuck, 2-13 mm, 1/2", 20 UNF

2-piece Chuck Key Set

- suitable for 10 + 13 mm drill chucks

Item #
8212

40-piece Tap and Die Set, hardened Carbon Steel

- 17 hand tap and 17 dies for
  rough threads:
  M3 x 0.6 - M4 x 0.75 - M5 x 0.9 - M6 x 1 - M7 x 1
  M8 x 1.25 - M10 x 1.5 - M12 x 1.75
  fine threads:
  M3 x 0.5 - M4 x 0.7 - M5 x 0.8 - M6 x 0.75 - M7 x 0.75
  M8 x 1, M10 x 1.25 - M12 x 1.5 - sowie 1/8" NPT27
- 1 adjustable tap wrench
- 2 die holders
- 1 screwpitch gauge
- 1 plain slotted screwdriver

In plastic case

Item #
1894

Junior Hacksaw, "Junior" with 150 mm Blade

- finger guard
- plated steel frame

Item #
2067

Junior Hacksaw, incl. 150 mm Blade, wooden Handle

Item #
2068

10 Spare Blades, 150 mm

- suitable for items # 2067, 2068
- 10-pieces

Item #
2069

Hacksaw Frame, incl. 300 mm Hacksaw Blade

- incl. 300 mm hacksaw blade
- with attached pin

Item #
2060

Hacksaw Frame, incl. 300 mm Hacksaw Blade

- chrome plated tubular steel frame
- adjustable up to 300 mm
- heavy duty finish

Item #
2062

400 mm Hand Saw with 2-Component Handle

- hardened saw tooth for long life
- good handling
- soft, comfortable grip

Item #
50340

Miter Box with Slitting Saw

- suitable for 45 and 90 degrees edge cutting
- 250 mm fine saw with wood handle
- high quality miter box

Item #
50850

7-piece Hole Saws, 26-63 mm ø

- with metal mandrel holder and with pilot drill
- diameters: 26-32-36-45-50-56-63 mm

Item #	Description
3903	7-piece Hole Saw, 26-63 mm ø, 1" Depth
3904	7-piece Hole Saw, 26-63 mm ø, 2" Depth

3-piece Diamond Disc Set

- Ø 115, thickness 7 mm, 20 mm bore
- with 20 mm removable adapter ring,
  22.2 mm bore without adapter ring
- the set contains:
  - turbo dry+wet cutting disc, blue
  - segmented dry cutting disc, gold-colored
  - continues rim wet cutting disc, silver-colored

Item #
50840

8-piece Pipe Threading Set, 1/4" - 1 1/4"

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

Item #
1891

Glass Cutter, 130 mm, for 3-4 mm Thickness

- metal finish
- with 6 wheels
- wooden handle
- DIN 7209 B

Item #
7977

Pocket Spring Balances

- kg and lbs Skala

Item #	Description
8033	Pocket Spring Balance, max. 25 kg
8034	Pocket Spring Balance, max. 50 kg

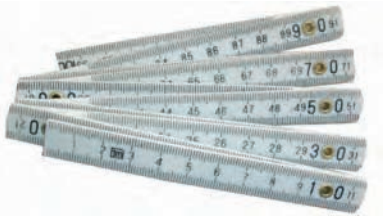
Try Square, 300 mm

- with aluminum handle

Item #
50885

Folding Rules

- plastic
- white



Item #	Description
2054	Folding Rule, 10 Segments, Length 1 m
2052	Folding Rule, 10 Segments, Length 2 m

Measuring Tape, 2 m

- power return + blocking button
- ABS case

Item #
2055

Measuring Tape, 5 m

- with power return and blocking button

Item #
2058

XXL Measuring Tapes

- 12 mm wide tape
- with blue cross frame and retractable winding handle
- dust and weather resistant

Item #	Description
2159	Surveyors Tape, 50 m
2160	Surveyors Tape, 100 m

600 mm Water Level

- painted aluminum body in a rectangular profile
- vertical and horizontal water level
- milled surface for high accuracy

Item #
50871

Parallel Clamp Vice, incl. Anvil, 60 mm Jaw

- 360° turnable
- for table thickness up to 45 mm

Item #
3056

Expert ABS Clamps

- black
- springloaded
- jaw with flexible tips

Item #	Description
1837	Expert ABS Clamp, 100 mm
1838	Expert ABS Clamp, 150 mm
1840	Expert ABS Clamp, 230 mm

Metal Clamps

- red lacquered finish
- soft rubber coated tips

Item #	Description
1835	Metal Clamp, 100 mm
1836	Metal Clamp, 150 mm

4-piece Mini Metal Clamp Set, 50 mm

- multi-purpose: for hobby, garages, office etc.

Item #
59804

Quick Action Clamping and Spreading Clamp, 400 mm

- suitable for e.g. when working on wood constructions such as gluing, adjusting, etc.
- pistol form handle
- 400 mm max. opening of spreader
- 210 mm max. opening of clamp

Item #
59815

Quick Action Standard Clamps

Item #	Description
1829	Quick Action Standard Clamp, 50x200 mm
1830	Quick Action Standard Clamp, 80x300 mm
1841	Quick Action Standard Clamp, 120x300 mm
1843	Quick Action Standard Clamp, 120x500 mm
1844	Quick Action Standard Clamp, 120x800 mm
1845	Quick Action Standard Clamp, 120x1000 mm

Miter Clamp

- needed e.g. for gluing a frame, etc.
- ensures easy handling and a perfect fit

Item #
59810

Allround Retractable Knife, 18 mm Blade

- break off segment blade
- plastic

Item #
7970

Safety Cutter

- with self retracting mechanism
- metal guide

Item #
50603

Allround Retractable Knife, 9 mm Blade

- break off segment blade
- thin finish
- plastic

Item #
7972

Blades for Cutter, 18 mm, 10 pcs.

- made of carbon steel

Item #
50628

Penknife, 240 mm

- foldable
- with wooden handle
- includes belt pouch
- blade length 120 mm

Item #
2080

Diamond Tool Sharpener, 130 mm

- round surface for knife sharpening
- straight sharpening surface for tiles
- sharpening surface with groove for hooks, arrows, etc.
- suitable for sharpening tips and blades of tools
- with clip

Item #
53820

Stainless Steel Scissors, 130 mm

- 2-compoment handles
- length: 130 mm

Item #
7964

Wallpaper Scissors, 300 mm

- length: approx. 30 cm
- with soft grip bows

Item #
2048

Allround Scissors

- manufactured from stainless steel
- with insulated plastic bows

Item #
2049

3-piece Stainless Scissors Set

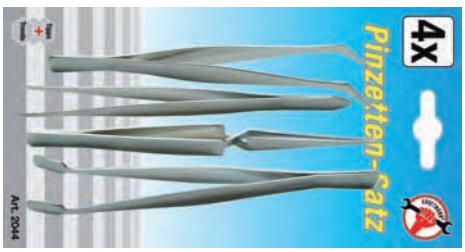
contents:
- dressmaking shears 245 mm
- household scissors 215 mm
- sewing scissors 145 mm
- all with soft grip bows

Item #
7961

4-piece Tweezers Set, 105-120 mm long

- chrome plated
- straight + bent + flat

Item #
2044



Sharpening Stone, 150x50x21 mm

- material: aluminium oxide
- reversible, grit 120 and 240

Item #
8062

5-piece Mounted Grinding Point Set

- various shapes
- 6 mm shank

Item #
8063

6-piece Needle Files Set, 140 mm

- flat parallel, flat taper, round
  square, triangle square, half-round
- 2 component softgrip handles

Item #
1911

10-piece Sandpaper Set, 230x280 mm

- grain size 60-80-100-150-240 (each 2 pcs.)

Item #
80810

Waterpump Pliers

- with box-joint head

Item #	Description
460	Waterpump Pliers, 240 mm, Chrome Vanadium Steel
461	Waterpump Pliers, 250 mm, Carbon Steel

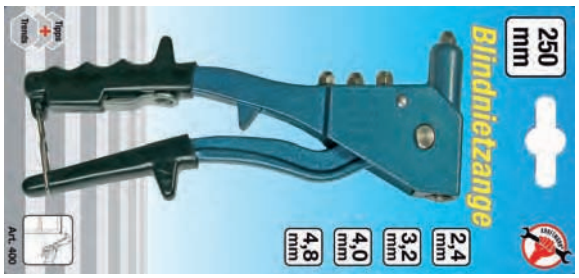
Riveter 2.4 to 4.8 mm, 250 mm

- suitable for blind rivet diameters
  2.4 - 3.2 - 4.0 - 4.8 mm
- for spare rivets see BGS item# 75847-75849

Item #
75845

Riveter, 2.4-4.8 mm, 250 mm

- heavy duty finish
- with four nozzles to accept
  2,4-3,0-4,0-4,8 mm rivets



Item #
400

Riveter Set, 60 assorted Rivets

- incl. 60 assorted rivets
- riveter
- supplied with four nozzles to accept
  2,4-3,0-4,0-4,8 mm rivets

In plastic case (as displayed)

Item #
401

Riveter

- with flexible and adjustable head
- for 2,4-3-4-4,8 mm rivets

Item #
403

Automatic Wire Stripper, 0.5-8 mm²

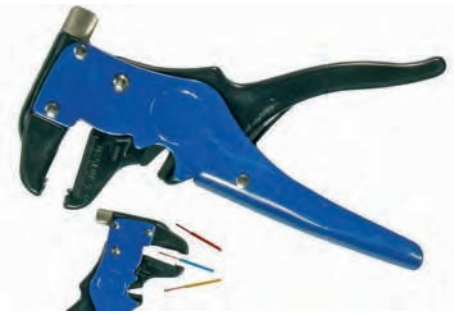
- self adjusting for wires with diameters 0,5-8 mm²
- 175 mm

Item #
441

Automatic Wire Stripper, 0.2-6 mm²

- regulate pressure for
  hard and soft insulation (0.2 - 6 mm²)
- 175 mm

Item #
443



Terminal Set, 60 insulated Terminals

with crimping tool item # 0420

Item #
1423

5-piece Circlip Pliers Set

- 1 circlip pliers (length 160 mm)
- with 4 exchangeable heads
- for internal and external circlips:
- 2x straight, 1x45° bent, 1x90° bent

Item #
454

Self Grip Pliers

- **carbon steel**
- with forged jaw, curved
- nickel plated

Item #	Description
489	Self Grip Pliers, Special Steel, 175 mm
490	Self Grip Pliers, Special Steel, 225 mm

Hose Cutter for up to 25 mm Ø

- for hose diameter up to 25 mm
- aluminum body, total length 185 mm
- for plastic tubes
- 65 Mn steel blade

Item #
1910

Hose Cutting Pliers, 4-16 mm

- blades made of stainles steel
- plastic housing

Item #
1912

Revolving Punch Pliers

- suitable for textile, leather, plastic, paper, cardboard, etc.
- 2-2,5-3-3,5-4-4,5 mm perforations

Item #
75835

Eyelet Pliers

- for punching holes in paper, leather, textiles etc.
- incl. 100 eyelets
- 4,5 mm eyelet inner diameter

Item #
75830

12 Function Pocket Multi-Tool, 160 mm

stainless steel

Supplied in a belt-mounted pocket

Item #
1477

Spring loaded Wire Spinning Pliers, 200 mm

- black lacquered
- polished head
- for professional screw locking
- wire diameters up to 0.8 mm

Item #
1480

Sheet Shears, 260 mm

- suitable for cutting steel, brass, copper, aluminum sheets
- hardened jaws
- plastic coated handles
- length: 260 mm

Item #	Description
85820	Sheet Shears, left + straight
85821	Sheet Shears, right + straight
85813	Sheet Shears, straight cut

Bolt Cutters with hardened Jaw

- red lacquered, black head
- für iron metals with diameters of up to: 4-6-8-10-12 mm (1908,1907,1909,1914,1915)

Item #	Description
1908	Bolt Cutter with hardened Jaw, 300 mm
1907	Bolt Cutter with hardened Jaw, 450 mm
1909	Bolt Cutter with hardened Jaw, 600 mm
1914	Bolt Cutter with hardened Jaw, 760 mm
1915	Bolt Cutter with hardened Jaw, 900 mm

3-piece Puller Set

- chrome plated
- contains following extractors:
  - 3-arm, 150 mm, reversible
  - 3-arm, 100 mm, reversible
  - 2-arm, 75 mm, reversible

Item #
7730

Parallel Jaw Puller

- available as **two and three arm puller** (see table below)
- fine thread
- special steel, forged
- mechanic puller with standard hooks
- can be used for internal and external pulling

Item #	Description
93-1	Parallel Jaw Puller, 2-legs, 120x100 mm
93-2	Parallel Jaw Puller, 2-legs, 150x200 mm
93-3	Parallel Jaw Puller, 2-legs, 250x200 mm
93-4	Parallel Jaw Puller, 2-legs, 350x200 mm
93-6	Parallel Jaw Puller, 3-legs, 120x100 mm
93-7	Parallel Jaw Puller, 3-legs, 150x200 mm

Trailer Theft Protection

- for mounting on the hitch
- heavy duty
- to be secured with padlock, e.g BGS 85806
- zinc plated

Item #
80760

Trailer Anti-Theft Protection

- easy to install hitches
- lockable, incl. 2 keys
- size: 50 mm
- weight: about 360g

Item #
8566

Trailer Socket, 7 Contacts

- plastic housing with grommet
- with screw terminals
- horizontally split

Item #
80751

Trailor Socket, 7 Connector Pins

- 3 mounting holes
- protection cover
- screwed connector

Item #
80752

Adaptor for Trailer Socket, 7-to-13 Connectors

- blue housing

Item #
80753

Adaptor for Trailer Socket, 13-to-7 Connectors

- plastic housing
- with protective cover

Item #
80754

Trailers Socket Tester

- the tester allows a quickl check of 12V electrical systems on trailers, cars, motorhomes, ect.
- suitable for 7-pin connectors
- battery: 9V (not included)

Item #
2187

Clamps for Drawbar Jack Castor Wheel

- 2x 10 mm mounting holes
- hole space 105 mm
- galvanized

Item #	Description
80766	Clamp for 35 mm Support Wheel
80759	Clamp for 48 mm Support Wheel

Drawbar Jack Castor Wheels

- rubber wheel
- 75 kg max. towbar load
- min. length 430 mm
- max. length 630 mm

Item #	Description
80750	Drawbar Jack Castor Wheel, 35 mm
80765	Drawbar Jack Castor Wheel, 48 mm

Universal Drive Shaft Extractor

- for extraction of drive shafts from wheel bearing housing and for removing fixed brake drums
- universally usable by many holes at different pitch circle diameters

Item #
7680

Double Flaring Tool Kit

- special tool for creating standard 90° flares as well as open F-type and double E-type flare (single and double lap flares)
- suitable for pipes with wall thickness up to 1mm (brake lines),
- 1 pipe clamp,
- 1 spreader
- 7 dies 4,75-5-6-8-10 mm, 1/4" + 1/2"

Item #	Description
3060	9-piece Double Flaring Tool Kit
3162	4.75 mm Die for Flaring Tool 3060
3163	5 mm Die for Flaring Tool 3060
3164	6 mm Die for Flaring Tool 3060
3160	1/4" Die for Flaring Tool 3060
3165	8 mm Die for Flaring Tool 3060
3166	10 mm Die for Flaring Tool 3060
3161	1/2" Die for Flaring Tool 3060

13-piece Brake Piston Wind-Back Set

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

Item #
1109

18-piece Brake Piston Wind-Back Set

- 18-piece comprehensive set for setting back brake pistons
- right and left threaded wind back tool kit
- suitable for many car models
- includes list of matching car models

Item #
1110

3-piece Brush Set

- 1 brass brush
- 1 nylon brush
- 1 steel brush
- with black plastic handle
- 175 mm

Item #
85811

3-piece Brush Set

- 3-piece set with a different fill each
  brass, nylon, steel
- 225 mm

Item #
3079

3-piece Steel Wire Brush Set

- for processing straight and curved surfaces
- corrugated bristles
- 6 mm shank
- includes:
  - 50 mm cup brush
  - 50 mm disc brush
  - 25 mm pencil wire brush

Item #
50903

4-piece Miniature Hook Set

- stainless steel
- straight tip
- 90° bent tip for O-rings
- hook tip
- combination tip
- length 135mm

Item #
8016

5-piece Scraper and Hook Set

- 1 scraper - 275 mm
- 1 scraper - 215 mm
- 2 hooks 200 mm
- 1 straight tip - 230mm
- black finish, hardened
- blue square head handles

Item #
9132

Emergency Car Opening Set

- **sold only to authorised workshops**
- universally applicable

packed in wallet

Item #
3541

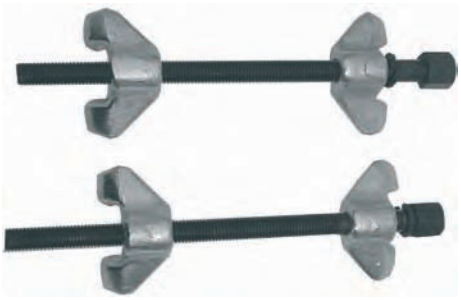
Automatic Punch Set 36-in-1

- 4 mm figures + letters
- automatic puncher (170 mm) manufactured from copper
- adjustable striking force
- with all letters and numbers, as well as centre punch
- easy labeling into wood or metal

Item #
3043

2-piece Coil Spring Compressor

- range: 250 mm
- for assembling coil springs
  forged carbon steel
- only for export - non EU!



Item #
1132

Wheel Bearing Tool Kit

- suitable for most cars
- made from forged and hardened carbon steel
- for assembly and disassembly of wheel bearings
  while the strut remains built-in
- comes with 9 adaptors: 55.5, 59, 62, 65, 66, 71.5, 73, 78
  and 84 mm
- 1 internal and 3 external pulling sleeves from 76 to 91mm
- 295 mm ball bearing loaded spindle

Item #	Description
67300	25-piece Wheel Bearing Tool Kit
67300-1	Spindle from Wheel Bearing Set BGS 67300
170	Loose Ball Bearing, for Item # 67300, capsuled
1520-1	Spindle with Ball Bearing for Item # 67300

Pull and Press Sleeve Kit with 4 Spindles

- universal type for all car models
- also for assembly or disassembly of silent bearings, rubber- and ball bearings
- also suitable for rubber bushes and rotary shaft seals
- smooth running because of high-quality ball bearing on spindle screw nut
- four 350 mm spindles in M10, M12, M14 und M16
- 20 pressure pads (outerØ x innerØ):
  44x34 - 46x36 - 48x38 - 50x40 - 52x42 - 54x44
  56x46 - 58x48 - 60x50 - 62x52 - 64x54 - 66x56
  68x58 - 70x60 - 72x62 - 74x64 - 76x66 - 78x68
  80x70 - 82x72
- pressure pads are slotted for visual control

Item #
67305

Caulking Gun, 300 mm long

- steel skeleton frame
- orange lacquered finish
- for standard cartridges (220 mm)

Item #
3507

4-piece Scraper Set, 50-80-100-120 mm, Spring Band Steel

- shiny blades

Item #
1636

4-piece Scraper Set, 50-80-100-120 mm, Plastic

Item #
1634

11-piece Body Repair Set with Sliding Hammer

- allround panel hammer (10 lbs)
- 9 different hooks and accessories

Item #
1674

9-piece Body Repair Set with Sliding Hammer

- sliding panel hammer 10 lbs.
- shaft manufactured from solid metal
- soft PVC handle
- incl. various adaptors

Item #
1677

Soft Face Hammer, Head Ø 35 mm

- plastic/nylon face
- exchangeable faces
- wooden shaft

Item #	Description
1864	Soft Face Hammer, Head Ø 35 mm
1869	Plastic Face for Item # 1864+1866, 35 mm Ø, yellow

7-piece Body Repair Set

- 3 hammers
- 1 small anvil and 3 sledge hammers
- with fibreglass shafts

Item #
1670

21-piece Ball Joint Assembly Set

- heavy duty model with 152 mm pressure fork opening
- the set includes all necessary bushes and pressure plates for changing the ball joints on most US, european SUV cars and Transporter
- 230 mm pressure spindle
- pressure spindle arm
- pressure bolt for pressure spindle 1/4" and 3/4" (long type)
- reception bushes 1-3/4 x 2" / 2-1/4"x 2-1/2" / 2-3/4"x 3"
- reception bushes 2-1/4" / 1-3/4" / 1-7/16" / 2-3/4" und 2-1/4"
- adaptor for reception bushes 2"
- reception cup2" / 2-5/8" / 2" / 1-1/4" / 1-3/4"
- assembly cup 1-3/4"

Item #
1834

24 LED Magnetic Work Light

- for 3x AAA batteries (not included)

Item #
85405

12 LED Working Light / Head Light

- adjustable light
- use with standard batteries (supplied)

Item #
9711

LED-Worklight

- magnetic base diameter 23 mm
- multi purpose
- 200 mm flexible swan neck
- incl. batteries

Item #
9300

Workshop Light

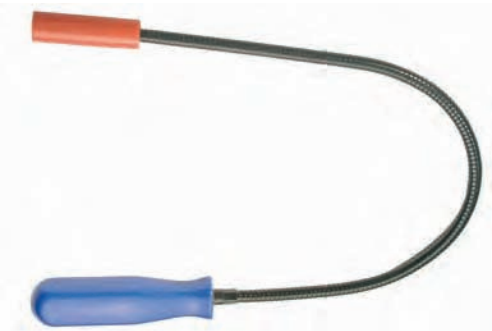
- CE insulated
- VDE, 220 V
- cable 5 m long
- ballast in handle

Item #
9710

Magnetic Pick-Up Tool, 560 mm

- flexible with plastic coating
- capacity up to 1500 g
- head insulated

Item #
3090



Inspection Mirror with Double Universal Joint, Ø 30 mm

- with double universal joint and clip
- extendable up to 476mm
- mirror Ø 30mm
- expert finish

Item #
3087

2-piece Magnetic Pick-Up Tool / Inspection Mirror Set

- extendable up to 412 mm
- all direction flexibility due to double universal joint
- mirror Ø 50mm
- DIY-use

Item #
3086

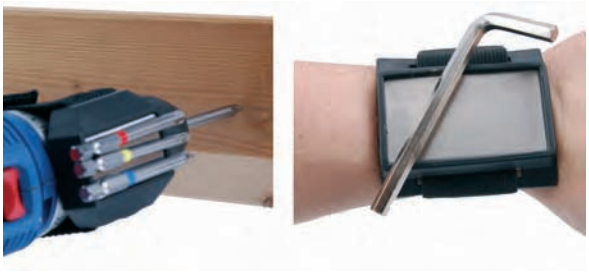
Flexible Pick-Up Tool

- CLAW spring-loaded claw for picking up screws nut etc. in hard to reach places

Item #
3093

Magnetic Wrist Band

- nylon strap fits comfortably for any wrist size
- strong magnetic surface
- to attract and collect nails, screws, bolts, bits
- can also be mounted on electric drills



Item #
9250

4-piece Pry Bar Set

- satin chrome plated
- 1 pcs. (36") 900x26 mm straight pry bar
- 1 pcs. (36") 900x26 mm 30° offset pry bar
- 1 pcs. (24") 600x14 mm 75° offset pry bar
- 1 pcs. (24") 600x35 mm 90° offset pry bar
- plastic handles with metal head

Item #
9139

Wrecking Bar, 600 mm

forged

Item #
9136

Nail Puller, 300 mm

- with anti-slip handle

Item #
52830

Universal Oil Drain Plug Wrench, with 8 Sizes, 150 mm

- for 8 different int. square head size: 10-11-12-13-14-15-14-17 mm

Item #
1000

Universal Oil Filter Wrench, 80-100 mm

- with joint
- for oil filters with a diameter between 80-100 mm

Item #
1034

Strap Wrench, High End Nylon, up to 130 mm Ø

- various applications possible
- for pipes with diameters up to 130 mm
- double strengthened strap, non-slip rubber coating,
- self adjusting

Item #
1023

DIY Oil Filter Strap Wrench

- rubber coated strap
- length of strap: 460 mm

Item #
1021

23-piece Cap Oil Filter Wrench Set, Aluminium Diecast

12.5 ■ ½

- 1 reversible ratchet 1/2"
- 1 ring wrench 27 mm
- 21 oil filter caps in following sizes::
  65 mm x 14-pt., 67 mm x 14-pt., 74 mm x 14-pt.
  75 mm x 15-pt., 74 mm x 8-pt., 74 mm x 15-pt.
  73 mm x 14-pt., 75 mm x 12-pt., 74 mm x 15-pt.
  79 mm x 15-pt., 73 mm x 15-pt., 74 mm x 14-pt.
  84 mm x 18-pt., 89 mm x 15-pt., 91 mm x 15-pt.
  90 mm x 15-pt., 95 mm x 15-pt., 76 mm x 12-pt.
  80 mm x 15-pt., 101 mm x 15-pt., 92 mm x 15-pt.

Item #	Description
1035	23-piece Cap Oil Filter Wrench Set, Aluminium Diecast
1035-75X12	Oilfilter Cap Wrench 75 mm x 12-pt.

Chain Oil Filter Wrench, 400 mm

- vinyl handle

Item #
1022

Chain Oil Filter Wrench, 1/2"

12.5 ½

- for all sorts of cars
- with 30 chain links
- with ext. hexagon

Item #
1020

Oil Filter Pliers, 250 mm

- range of jaw: 50 - 90 mm
- for cars and small utility vehicles
- avoids slipping when changing oil filters
- heavy duty construction with non-slip handles

Item #
1050

Oil Filter Pliers, 400 mm

- range of jaw: 85 - 130 mm
- for cars and small utility vehicles
- avoids slipping when changing oil filters
- heavy duty construction with non-slip handles

Item #
1051

Coolant / Antifreeze Tester

- easy to use
- very effective at a low price

Item #
1820

Battery Acid Tester

- easy to use
- very effective at a low price

Item #
1821

Coolant / Antifreeze Tester

- suitable for all ethylene and glycol dilutions
- works with hot and cold fluids
- enables to control visually wether the tested fluid contains traces of rust or dirt

Item #
1822

Vacuum Tester / Brake-Bleeder

- multi-functional vacuum pump for testing many important settings and functions
- excessive accessories also allow to use this item as brake bleeding tool
- factory-calibrated display
- display in inch and milimiter
- can be used for all engine types, also diesel
- testing manual included
- max. negative pressure: 0.95 bar

Item #	Description
8070	Vacuum Tester / Brake-Bleeder
1799-Z	Single Cup for Vacuum Tester 8070/8067, incl. Sealing

Wheel Balancing Weight Pliers, 240 mm

- chrome plated
- dip coated handles

Item #
8318

Extending Wheel Nut Wrench, 1/2" Drive, 17-19 mm

- incl. exchangeable socket 17 + 19 mm
- rubber coated handle
- extendable bar up to 550 mm length

Item #
1510

CV

1/2" Double Socket, 17x19 mm

12.5 ▪ ½

- with inside 1/2 " drive
- one side 17, other side 19 mm hex

Item #
1511

CV

Hose / Pipe Cutter, 5-40 mm

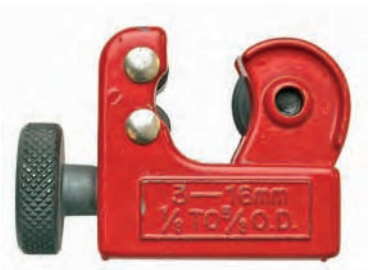
- cuts hose and plastic pipes made of polypropylene and polyethylene
- improved impact due to lever transmission
- for 5 - 40 mm diameter pipes

Item #
1902

Tube Cutter, 3-22 mm

- for copper, brass, and thin steel tubes
- for diameters between 3-22 mm

Item #
1905



Tube Cutter, 3-28 mm

- for copper, brass, and thin steel tubes
- incl. trimming knife (stored in the handle)
- for diameters between 3 - 28 mm (1 1/8")

Item #
1906

9-piece Pipe Expander Kit

- 3/8" - 1/2" - 5/8" - 3/4" - 7/8" - 1" - 28 mm
- incl. countersink

In plastic case

Item #
3048

9-piece Needle and Hook Set

- mini straight pick
- mini full hook
- mini 45° hook
- mini 90° hook
- large 1" scraper
- large straight pick
- large full hook
- large 45° hook
- large 90° hook
- with ergonomic slip-guard handles

Item #
798

2-piece Scraper Set

- all purpose
- exchangeable 40 mm blade
- may also be used in hard to reach area due to special short construction

Item #
53801

Hose Clip Pliers with Bowden Cable

- universal handtool for installation and removal of 18-54 mm long elastic collars, even in narrow spaces (due to the bowden cable)
- bowden cable available as spare part Art.47
- length 630 mm

Item #
467

10-piece Special Twist Socket Set, 9-19 mm, 3/8"

10 ■ 3/8

- for loosening damaged screws and nuts
- the innovative spiral profile digs itself into the head of a damaged screw/nut and thereby allows to loosen it securely
- sizes: 9-10-11-12-13-14-15-16-17-19 mm
- additional outer hexagon shaft

In aluminium case

Item #
20210

Hook Wrench, DIN 1804

- length 280 mm, 75 mm jaw
- for operating slotted/grooved nuts
- DIN 1804

Item #
1225

Automatic Centre Punch, 120 mm

- adjustable striking force
- exchangeable steel point
- heavy duty metal finish

Item #	Description
2070	Automatic Centre Punch, 120 mm
2070-SPITZ	Spare Steel Point for Art. 2070

Hydraulic Floor Jack, Lifting Range: 135-335 mm

- hydraulic
- trolley style
- with 2 caster wheels
- capacity: 2,0 tons

Item #
1880

CE

Flexible Double Spark Plug Wrench, SW 16 + SW 20.8

- spring-loaded joint
- PVC coated T-type handle
- chrome plated
- for SW 16 and SW 20,8 mm spark plugs

Item #
142

Magnetic Sheel, Ø 100 mm

- **stainless steel**
- very strong magnet
- rubber coated
- "no scratches"
- sold without the contents displayed
- for various applications

Item #
67801

Gearbox Lifter, 500 kg

- for assembling and disassembling of engines, gearboxes, rear axle ect.
- height approx. 140 - 195 cm
- 4 ball bearing caster wheels
- compact construction, lightweight
- long lifting range
- fast lifting due to hydraulic foot pedal

CE

Item #	Description
9232	Gearbox Lifter, 500 kg
9232-1	Replacement Wheel for Art. 9232

Roller Cabinet KRAFTMANN, 5 Drawers Completly Equipped

- an ideal companion in your workshop
- 5 drawers extensively equipped with tools
- 2 additional large drawers for accommodation of big tools, machines or materials
- includes most needed tools like:
  - 6.3 (1/4) ratchet, short extension, long extension, sliding handle, handle and joint
  - **6.3 (1/4) sockets:** 4-4.5-5-5.5-6-7-8-9-10-11-12-13-14 mm
  - 10 (3/8) ratchet, short extension, long extension, sliding handle, handle and universal joint
  - **10 (3/8) sockets in:** 8-9-10-11-12-13-14-15-16-17-18-19-21-22-24 mm
  - 12.5 (1/2) ratchet, short extension, long extension, sliding handle, handle and universal joint
  - **12.5 (1/2) sockets in:** 10-11-12-13-14-15-16-17-18-19-21-22-24-27-30-32mm
  - triangular, square, round, flat file and 1 rasp
  - side cutter, combination, long nose and self grip pliers
  - combination spanners in following sizes: 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22 - 27-29-30 and 32 mm
  - deep offset double ring wrench in following sizes: 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22 mm
  - 7 pcs. precision mechanic screwdriver set
  - 15 pcs. screwdriver set
  - nailer / stapler including nail assortment
  - 2 adjustable wrenches
- dimensions: W770 x D465 x H970 mm

Item #
4070

16-piece 1/2" Air Impact Wrench Hobby Kit, 320 NM

12.5 ½

hobby kit , ideal for DIY use

contents:
- 1/2" reversible impact wrench
- BSP nipple
- oil pot
- 125 mm impact extension bar
- hex. adaptor
- 10 impact sockets 9-10-11-13-14-17-19-22-24-27 mm
- max. torque 320 Nm

Item #
3211

CE

Air Impact Wrench, 1/2"

12.5 ½

- max. torque: 822 Nm
- RPM: 7200 rpm
- max. working pressure: 6.2 bar
- air connection: 1/4"
- aluminum hosing
- right and left direction
- power is adjustable by step switch
- weight: 2900g
- air consumption: 5 cfm
- length: approx. 170 mm

Item #
3281

CE

8-piece Air Hammer Kit

- incl. 4-piece hammer/chisel set
- BSP nipple
- operating with 6-7 bar
- 3000 blows per minute
- air consumption 85 l/min

CE

Item #	Description
3213	8-piece Air Hammer Kit
3213-1	Retaining Spring for Air Hammer BGS 3213

1/2" Torque Wrench, 30-210 NM

12.5 ■ ½

Stop screw adjusts torque

Item #
963

1" Torque Multiplier Set

25 ■ 1

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

Item #
1231

2-piece Retaining Strap Kit

- with holding hook
- length: 2m
- width: 25 mm
- max. capacity: approx. 122 kg

Item #
3600

Magnetic Rotating Warning Lights

- 12 V connection for car cigarette lighter plug
- magnetic base
- 360° rotating
- follow traffic rules

CE

Item #	Description
9761	Magnetic Rotating Warning Light, yellow Light
9760	Magnetic Rotating Warning Light, blue Light
68	Replacement Bulbs for BGS 9760 and 9761

50-piece O-Ring Assortment, 5-20 mm Ø

- various sorted sizes, int. diameter:
  5-10-11-13-16-18-19-20 mm
- acid, petrol, heat and oil resistant

Item #
8131

75-piece Cable Tie Assortment, 100-200 mm

- various lengths:
  100 - 120 - 200 mm

Item #
1789

12-piece Velcro Tape Assortment

- especially suitable for installation or bundling
  of cables, hoses, etc.
- color-coded in 6 different colors
- 20 mm x 190 mm

Item #
80825

400-piece Wall Plug / Screw Anchor Set, 5-6-8 mm

- suitable for concrete, bricks and similar building materials
- 3 sizes packed separetely
- 200 pcs. of 5 mm
- 150 pcs. of 6 mm
- 50 pcs. of 8 mm

Item #
80850

Multi Purpose Screws

- PZ 2 drive
- galvanized
- in Bag

Item #	Description
80961	Multi Purpose Screws 3.5 x 30 mm, 250 pieces
80963	Multi Purpose Screws 3.5 x 35 mm, 200 pieces
80965	Multi Purpose Screws 4.0 x 40 mm, 150 pieces
80967	Multi Purpose Screws 4.0 x 50 mm, 125 pieces
80971	Multi Purpose Screws 4.0 x 60 mm, 100 pieces
80973	Multi Purpose Screws 5.0 x 80 mm, 50 pieces

Multi Purpose Screws in Bucket

- PZ 2 drive
- galvanized

Item #	Description
80981	Multi Purpose Screws 4.0 x 50 mm, 425 pieces
80983	Multi Purpose Screws 5.0 x 60 mm, 240 pieces
80985	Multi Purpose Screws 6.0 x 100 mm, 85 pieces

Multi Purpose Screw Set, 380 pieces

- PZ 2 drive
- piece size
  180x 4.0 x30 mm
  100x 4.0 x40 mm
  55x 5.0 x50 mm
  45x 5.0 x60 mm
- galvanized

Item #
80987

Blind Rivets

- aluminum with steel pin
- also suitable for riveter BGS 75845

Item #	Description
75847	Blind Rivets, 3.2 mm, 50 Pieces
75848	Blind Rivets, 4.0 mm, 50 Pieces
75849	Blind Rivets, 4.8 mm, 50 Pieces

6-piece Hose Clamp Assortment

- suitable for tube diameters from 6 to 45 mm

Item #
80855

Corner Bracket Set, 180-pcs.

- includes following drilled plates and angles:
- 4 straight plates each:
  40 x 15 mm
  80 x 15 mm
- 4 angled plates each:
  25 x 25 x 16 mm
  40 x 40 x 16 mm
  60 x 60 x 16 mm
  75 x 75 x 16 mm
- 4 angles each:
  40 x 40 x 12 mm
  60 x 60 x 12 mm
- all 2 mm thickness
- 144 pc 3 x 16 mm screws (PZ drive)

Item #
80920

Fence Fitting

- galvanized

Item #
80930

Angle Joint

- galvanized
- multiple drilling holes in both legs

Item #	Description
80934	Angle Joint, 40x40x40x2 mm, galvanized
80935	Angle Joint, 50x50x40x2 mm, galvanized
80946	Angle Joint, 60x60x40x2.5 mm, galvanized
80937	Angle Joint, 70x70x55x2.5 mm, galvanized
80948	Angle Joint, 80x80x60x2.5 mm, galvanized
80939	Angle Joint, 90x90x65x2.5 mm, galvanized

Deadbolt with Loop

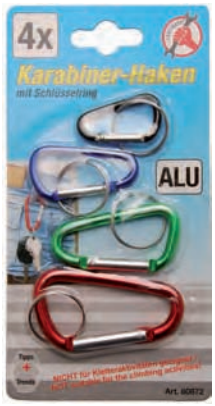
- galvanized
- including mounting screws

Item #	Description
8081	Lock Bolt with Strap, 125 x 50 mm
8082	Lock Bolt with Strap, 150 x 50 mm

4-piece Carabiner Set

- can be used as a keychain

!! not suitable for climbing / sports use !!



Item #
80872

Hose Clip Set "Endless Strap" Stainless

- flexible applications due to a 3 m endless strap
- strap width 8 mm
- can be formed to hose clamps of any size
- incl. 8 plain slotted clips
- stainless

Item #
1794

Bonding Wire 30 m, in Display

- plastic coated

Item #
9127

Wire, 50 m

- zinc coated
- supplied on reel
- thickness 0.7 mm

Item #
9120

100 ml Lubricating Oil

- for oiling of door hinges, locks and sewing machines
- prevents and corrects squeaking and stiffness

Item #
80880

50-piece Patches Box

- for different sizes
- irritation free
- does not stick in the wound
- permeable to air
- waterproof

Item #
80885

11-piece Patches Box

- special forms
- irritation free
- does not stick in the wound
- permeable to air
- waterproof

Item #
80886

Snap Hook 100x10 mm

- galvanized, chrome plated

Item #
8076

2-piece Linch Pin Sets

- galvanized, zinc coated
- 2 piece each supplied on a display card

Item #	Description
8083	2-piece Linch Pin Set, Ø 6 mm
8084	2-piece Linch Pin Set, Ø 8 mm
8085	2-piece Linch Pin Set, Ø 9.5 mm
8086	2-piece Linch Pin Set, Ø 11 mm

100 mm Solid Rubber Wheel, Steel Rim

- ball bearing
- for 12 mm axle

Item #
80959

Caster Wheels with Base

- ball bearing
- turnable

Item #	Description
80955	100 mm Caster Wheel, with Base
80957	125 mm Caster Wheel, with Base

Wheels with Base

- ball bearing

Item #	Description
80953	125 mm Wheel, with Base
80951	100 mm Wheel, with Base

6-piece Isolation Tape Rolls

- different colors
- 3,50 m x 19 mm wide

Item #
3024

Duct Tape, 50 mm

- particularly tear-resistant
- waterproof
- width: 50 mm
- length: 10 m

Item #
3018

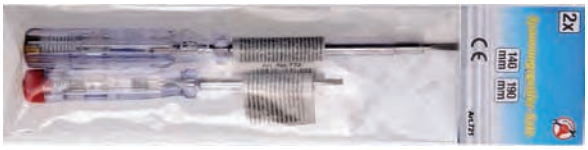
3-piece Masking Tape Set, 25 m x 24 mm

- to mask for painting or as a scratch protection, for fixing ect.

Item #
80840

2-piece Voltage Tester Set, 140+190 mm

- TÜV / GS approved
- 120 - 250 V
- with lense and metal clip



Item #
721

2 Probes Voltage Testers

- double insulated tip
- multiple applications
- DC Voltage: 6 - 12 - 24 V (BGS 2172)
- AC Voltage: 110 - 220 - 380 V (BGS 726)

Item #	Description
2172	Voltage Tester, 6-24 Volt
726	Voltage Tester, 6-380 Volt

Pocket Size Digital LCD Multimeter

- handy pocket-size Digital Multimeter
- with LCD display
- diagnosis in the automotive, motorcycle and home use
- with important measurement areas such as:
  - voltage (AC) up to 750 V
    200V and 750V ranges
  - voltage (DC) up to 1000V
    ranges 200mV, 2000mV, 20V, 200V, 1000V
  - direct current (DC A) 0,2 mA, 2 mA, 20mA, 200mA, 10A
  - resistance 200Ohm, 2000Ohm, 20 kOhm,
    200kOhm, 2000kOhm
  - continuity test with buzzer

Item #	Description
2192	Pocket Size Digital LCD Multimeter
2192-1	Replacement Measuring Pins for 2192

Soldering Iron, 40 W

- TÜV / GS approved
- 220V
- VDE-plug
- bended tip

Item #
9940

7-piece Woodburning and Soldering Iron Set

- for wood, leather and cork
- 1 woodburning and soldering iron, 30 W
- 1 storage rack
- 1 chisel tip, 1 short tip, 1 long tip, 1 cutter tip, 1 soldering iron tip

Item #
9941

Soldering Gun, 100 W

- TÜV / GS approved
- with light
- 220V
- VDE-plug, double insulated

Item #	Description
9920	Soldering Gun, 100 W
9921	2-piece Replacement Soldering Tips for Art.9920

Glue Gun, 15 W, 11 mm Ø

- TÜV / GS approved
- temperature 170° C
- solid construction
- trigger for exact working
- incl. 2 hot melt glue sticks (diameter 11mm)

Item #
8050

Wireless Hot Glue Gun, 35 W

- wireless, with shelf incl. power supply
- power: 35W
- suitable for 11 mm glue sticks
- power cord can be connected to glue gun for non-stop work

Item #
85800

Glue Sticks, 6 pieces, 11x100 mm

- white/clear
- for item # 8050

Item #
8051

Glue Sticks, 16 pieces, 11x200 mm

- glue pin Ø11 mm, suitable for glue gun Art. 8050

Item #
80852

Dusk Masks, 10 pieces

- one size fits all
- with flexible rubber band

Item #
3624

Gloves, Nitrile

- size 10
- non-slip
- great fit
- comfortable to wear

Item #
9961

Criss Cross Gloves, Anti Slip

- size: 10
- non-slip
- great fit
- comfortable to wear

Item #
9959

Ear Plugs, 4 pieces

- excellent fit
- comfortable to wear, even at night

Item #
80890

CE

Rain Poncho

- one size fits all
- with hood

Item #
80895

2-piece Luggage Padlock Set ,15 mm

- brass housing
- steel shackle

Item #
85808

2-piece Combination Luggage Lock Set

- set of 2 combination luggage locks

Item #
85809

Solid Brass Padlocks

- with three keys
- hardened steel shackle

Item #	Description
3096	Solid Brass Padlocks, 30 mm
3098	Solid Brass Padlocks, 40 mm
3099	Solid Brass Padlocks, 50 mm
3100	Solid Brass Padlocks, 60 mm

4-piece Padlock Set

- 40 mm
- each lock has 3 keys
- shackle Ø: 4.0 mm
- shackle inner width: 22 mm
- shackle inner height: 22 mm

Item #
3101

Solid Brass Padlock, 40 mm, extra large Shackle

- shackle Ø: 4.0 mm
- shackle inner width: 25 mm
- shackle inner height: 100 mm

Item #
3103

Security Padlocks

- special multi-disc construction
- hardened shackle
- incl. 3 keys

Item #	Description
85030	Security Padlock, 30 mm
85040	Security Padlock, 40 mm
85050	Security Padlock, 50 mm

Disc Padlock, 70 mm

- made of high strength steel
- ideal for trailer-theft protection caps

Item #
85806

Spyhole, polished Brass

- Ø 14 mm
- viewing angle 200° - **no blind angle**
- adjustable for door leafs with 35 - 57 mm thickness

Item #
8090

Secure Brass Cylinder Locks

- solid brass
- with 5 keys
- heavy duty finish

Item #	Description
8091	60 mm Brass Cylinder Lock
8093	70 mm Brass Cylinder Lock
8094	80 mm Brass Cylinder Lock
8099	Blank Key for Cylinder Locks Art. 8091-8094

Expert Solid Brass Cylinder Lock, 60 mm long

- 5 pin mechanism
- 3 nickel plated keys

Item #
8088

Keyed Alike Cyclinder Lock Set

- "The little master key system"
- heavy duty finish
- solid brass

contents:
- 2 cylinders - 60 mm
- 1 cylinders - 70 mm
- with 9 alike keys

Item #
8092

Splitting Wedge, forged, 2700 g

- black lacquered
- length 260 mm

Item #
3835

Pipe Cleaning Spirals

- with handle

Item #	Description
1991	Pipe Cleaning Spiral, 3 m
1992	Pipe Cleaning Spiral, 5 m
1993	Pipe Cleaning Spiral, 10 m

Drain Pipe Cleaner, Length 380 mm

- Ø 60 mm,

Item #
8040

Sanitary Pliers

- with transparent rubber jaw covers
- 4-step adjustable
- length: 230 mm

Item #
75810

Basin Wrench

- perfect for right and left threads
- adjustable T-handle
- 180° swivel head

Item #
433

Valve Seat Cutter

- with 3/8" and 1/2" exchangeable cutter
- safe sealing of running tabs

Item #
8041

Water Saver

- helps you save money and water immediately
- swivel aerator

Item #
85873

Water Pump for Drilling Machine

- suitable for watering or filling garden ponds etc.
- max. output 1000 liters per hour
- 1/2" connections
- max. drilling speed 4000 rpm

Item #
50830

Pest Repeller

- 220 V, power supply included, needs only 1.5 Watt
- with double loudspeaker-system and alternating frequencies
- ultra sonic waves repell mice, rats, cockroaches, fleas, silverfishes, bugs etc.
- frequency from 24.000 - 50.000 Hz
- acoustic pressure: 160 DB (can not be heard by human beings)
- sphere of action: 100-250 qm
- instruction manual included
- measurements: 14 X 8.8 X 7 cm (LXWXH), weight approx. 440 g

Item #
9034

CE

Staple Gun, for 4-14 mm Staples

- heavy duty metal finish
- staples are type 53

Item #
3012

Staples

Item #	Description
3020	Staples - 1000 piece each, 6 mm
3021	Staples - 1000 piece each, 8 mm
3022	Staples - 1000 piece each, 10 mm
3023	Staples - 1000 piece each, 12 mm
3011	Staples - 1000 piece each, 14 mm

All Purpose Funnel

- very helpful for filling in oil, wishwash, coolant, fuel etc.
- suitable for almost all liquids
- size: 45 x 45 x 100 mm

Item #
67850

4-piece Funnel Set

- plastic
- Ø 50 - 75 - 100 - 125 mm

Item #
8029

2-piece Funnel Set, Plastic

- mouth Ø 140 mm
- with sieve
- flexible detachable neck, 290 mm long

Item #
8031

3-piece Tool Holder Set

- three tool holders with flexible opening
- incl. fixing screws

Item #
85801

Luggage Scale with Measuring Tape, up to 32 kg

- important tool for business and leisure travel:
  avoid airlines high overweight fees by checking
  your luggage weight wherever you travel
- scale with handle and and hook
- kg & lb scale, up to 32 kg / 80 lb
- incl. 1m built-in measuring tape for checking luggage size
- **weighs only 150 g !**

Item #
50861

Pulley Block, 180 kg

- chain length: 20 m
- 6 direction changes
- maximum height: 3 m
- maximum weight: 180 kg

Item #
59505

Magnetic Tool Bar, 500 mm long

- with screws for fixing on wall
- lacquered finish
- capacity: 3000 g
- sold without displayed tools

Item #
3006

Tool Holder with 21 Loops, 500 mm

- for up to 18 tools
- plastic made

Item #
3005

Carrying Device, up to 25 kg

- useful tool for transporting cartons, carpets etc.
- length adjustable up to 170 cm
- carries up to 25 kg
- 50 mm width
- handle with additional cushion

Item #
80820

4-piece Vibration Absorber Kit

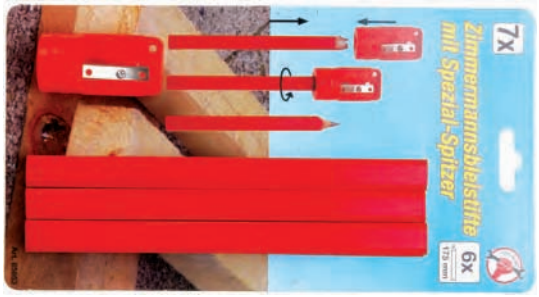
- diminishes transfer of vibrations to the ground
- suitable for all washing machines
- anti-slip material
- color: grey
- diameter: 65 mm
- height: 20 mm

Item #
85803

7-piece Carpenter Pencils with Sharpener

- 6 carpenter pencils 175 mm
- special sharpener
- not only for the carpenter, everywhere use marke and measured

Item #
85853



6-piece Carpenter's Pencil Set, 25 cm

item nr. 2076 in "ready to be sold" packaging

Item #
2071

2-piece CD / DVD Marker Set "Metallic", gold + silver

- one pen in metallic-gold and one in metallic-silver
- water proof
- especially good for writing on dark surfaces (CD, DVD, Blue Ray, Overhead foils)
- beautiful for christmas, birthday cards ect

Item #
85850

Key Accessory Set

- includes:
  - 3 black, 2 red, 2 yellow, 2 blue and 2 green key flags with text windows
  - 1 yellow, 1 blue and 1 red carabiner
  - 3 black, 2 purple, 2 yellow, 2 blue and 2 green key rings for color coding

Item #
80870

Garden Tool Sharpener

- suitable for sharpening lawn mower blades, scythes, etc.
- with 6 mm shaft
- 4500 rpm max. speed

Item #
50835

10-piece Magnet Set, Ø 30 mm

- sticks to work benches, metalic flip charts, fridges, etc.
- multi-purpose: use for work, hobby, school etc.
- assorted colors

Item #
85810

10-piece Magnet Set "Smile", Ø 40 mm

- sticks to work benches, metalic flip charts, fridges, etc.
- multi-purpose: use for work, hobby, school etc.
- assorted colors

Item #
85812

Felt Pads, white, 32 pcs.

- self-adhesive, white
- 16 pcs. full square shape 22 x 22 mm
- 16 pcs. round shape 22 mm
- height: 3 mm

Item #
80860

Felt Pads, brown, 32 pcs.

- self-adhesive
- 16x full square shape 22 x 22 mm
- 16x 22 mm diameter round shape
- height: 3 mm

Item #
80863

131-piece Felt Pad Assortiment, self-adhesive

- includes the following glides:
  - 48x 20 mm diameter, white
  - 36x 15 mm diameter, black
  - 36x 10 mm diameter, black
  - 10x 38 mm diameter, white
  - 1x square 200 x 200 mm, white
- can be cut to the size you need

Item #
80865

Felt Pads, with pin, 20 pcs.

- 24 mm diameter
- with nail pin

Item #
80868

33-piece Elastic Stopper Set, square-type, white, self-adhesive

- for using as a bump stop on cabinet doors and as furniture protection on equipment bases
- self-adhesive
- includes: 25 pcs Ø 8 mm x 2.5 mm
  8 pcs 15 x 15 mm x 7.5 mm

Item #
80869

46-piece Elastic Stopper Set, self-adhesive, transparent

- for using as a bump stop on cabinet doors and as furniture protection on equipment bases
- self-adhesive
- includes: 8 pcs Ø 19.0 mm x 4.0 mm
  14 pcs Ø 12.7 mm x 3.5 mm
  24 pcs Ø 7.9 mm x 2.2 mm

Item #
80866

Meat Hooks, Stainless Steel

- stainless
- one side ground (very sharp)

Item #	Description
80908	Meat Hook, 80 mm, Stainless Steel
80910	Meat Hook, 100 mm, Stainless Steel
80912	Meat Hook, 120 mm, Stainless Steel
80916	Meat Hook, 160 mm, Stainless Steel

Hand Magnifier with LED Light

- with LED lamp: also suitable in darkness
- with case
- magnification range: 3x + 6x

Item #
85862

Magnifying Glass, 100 mm

- real glass
- 3x magnification

Item #
85860

Angle Post Level

- very useful for aligning posts and pipes
- with 4 magnets and rubber band

Item #
50877

Door-Protection Tape, self-adhesive

- sticks on the side garage walls
- a damage to the doors is no longer possible
- 20 cm wide
- 200 cm long

Item #
67306

BGS 2013/2014

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