BGS® technic



Qualität und Service
BGS technic
seit 1970

Catalog 2011/2012

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

BGS 2011/2012



Head Office

BGS technic® has recently moved to its new headquarter 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 10,000m² .

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 even a 24 hour delivery service.





Exhibition Rooms

A large showroom and several smaller exhibition rooms keep all our products ready to be seen by our customers. Segmented exhibition walls according to your needs give you an immediate overview of 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 2011/2012

BGS technic® in a new perfection

Since the first production in 1970, the BGS technic brand stands for fine quality and enjoys a perfect reputation among it customers in Germany and Europe.
The BGS technic brand stands for premium, long-lasting hand and compressed air tools in everyday body shop use.
Our overall aim is to offer all products and innovations at the very best value for money for the benefit of our customers.
Far more than 2.500 hand and compressed air tools and many novelties are available in the well known PRO and PRO+ execution.
All products are supplied directly from our warehouse in an appealing and self-explanatory sales packaging.











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

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

Items marked with this icon are supplied in a „ready-to-be-sold“ packaging.

ZOLL/SAE Tools in inch sizes.

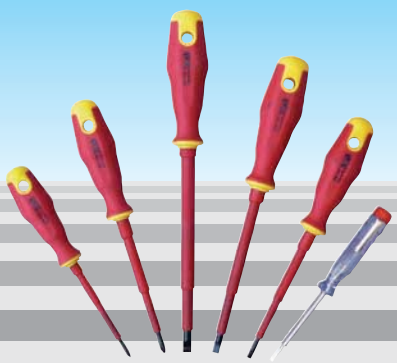
Our new entry-level brand KRAFTMANN® carries all DIY items and offers especially attractive value for money. KRAFTMANN® is the new brand for all DIY tools. Self-explanatory packaging guaranteed high sales. When it comes to product safety, we apply the same quality requirements as for all our other tools. The KRAFTMANN® product range is constantly expanded by new and innovative items for hobby, DIY, car and bicycle.







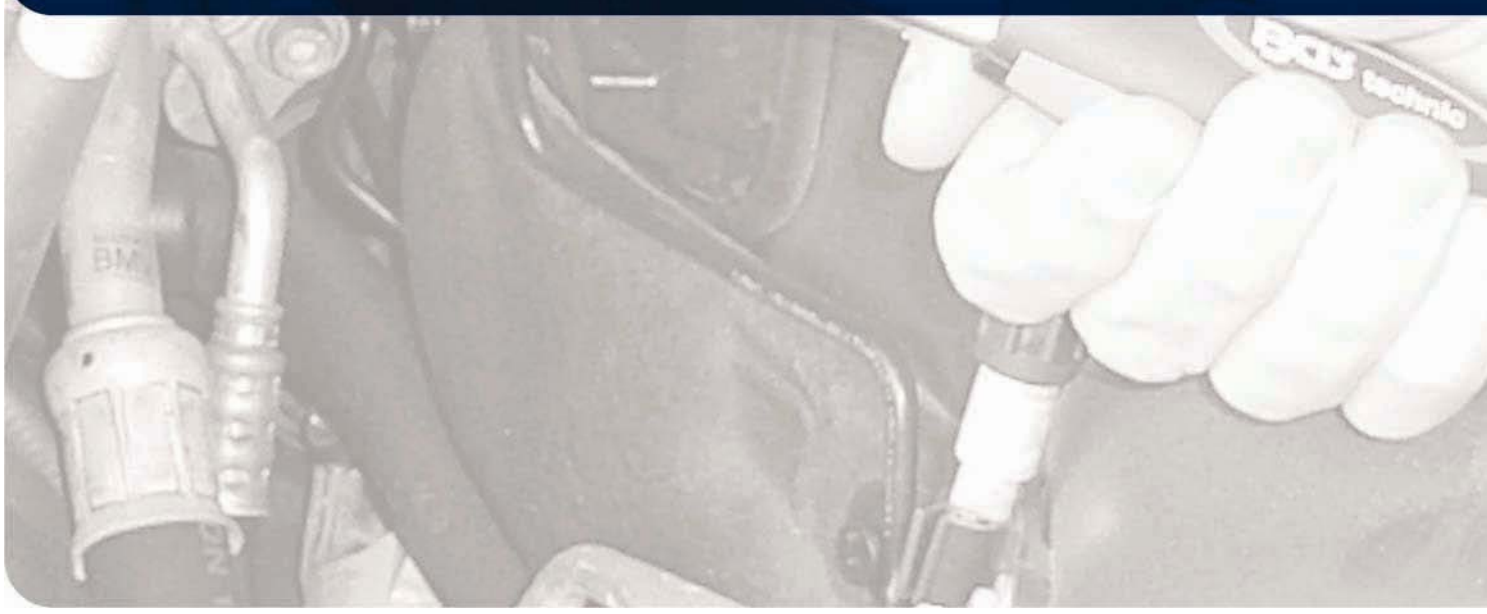




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Subscribe to our Newsletter at www.bgstechnic.com and be the first to find out about new items in our product range.

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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 mm drive size
(compatible to 1/4")



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



12,5 mm drive size
(compatible to 1/2")



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



25 mm drive size
(compatible to 1")

Symbol for steel type



Chrome Molybdenum Steel



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

Bits, 8 (5/16)

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



Contents as in BGS-2294

DIY finish for best pricing, without knurl

Art.-Nr.
2296

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+

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

Bits, 8 (5/16)

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

150-piece Socket Set

6.3 ◘ ¼ | 10 ◘ ⅜ | 12.5 ◘ ½



150-piece Socket Set

6.3 ¼ | 10 ⅜ | 12.5 ½

- **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

Item #
2291





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
3121	12.5 (1/2) Extension Bar: 250mm
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
	L-type Wrench Set, 7 piece, Int Hex 1, 1.5, 2, 2.5, 3, 4, 5mm
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, 12.5 (1/2)
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

Bits, 8 (5/16)

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

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
- “super lock“ sockets
- 3 fine 72 tooth reversible ratchets
- 1/4“, 3/8“ and 1/2“ drive

NEW:
This item is now also available with Pro Torque® (hexagon) sockets under Item# 2243

Item #
2292

PRO+ CV

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

Bits, 8 (5/16)

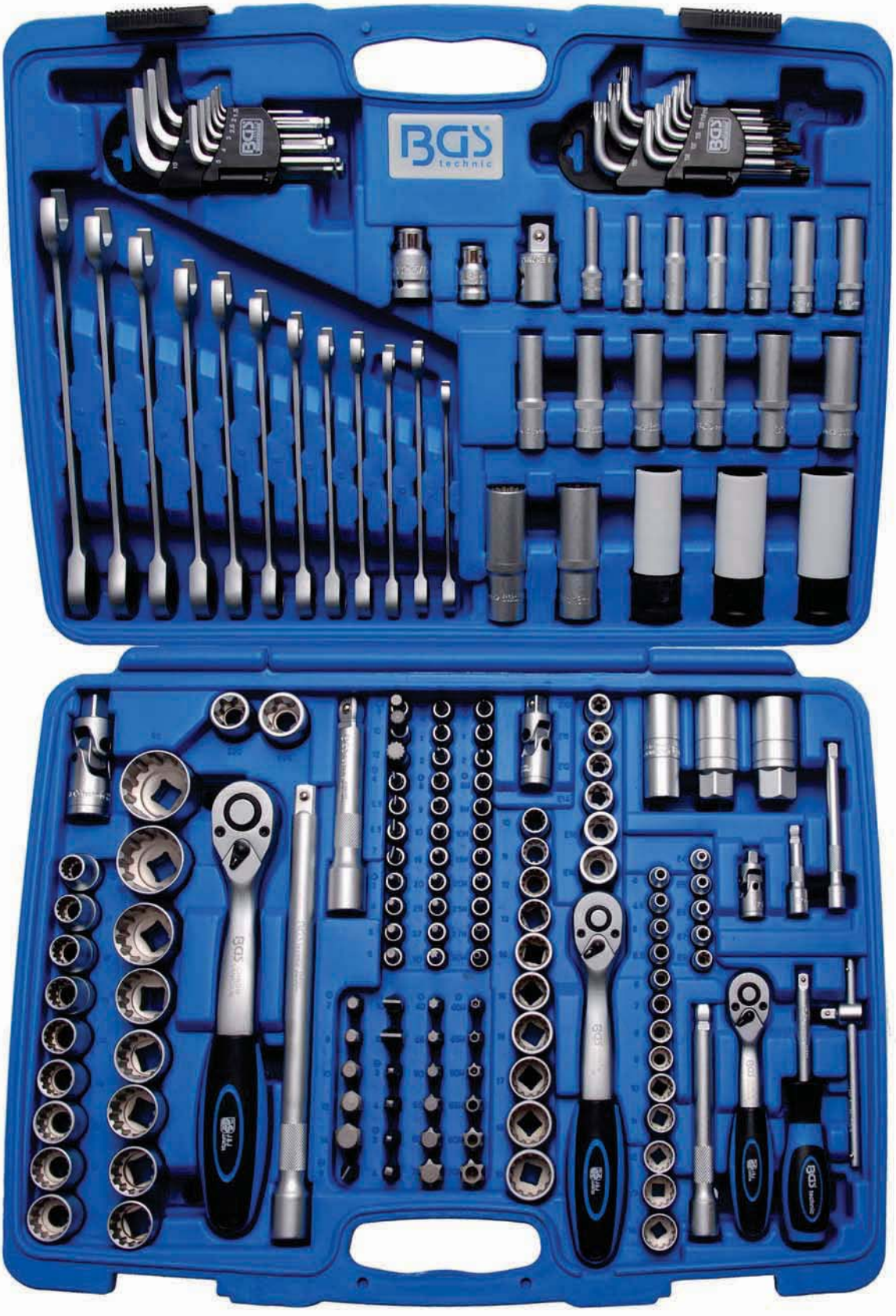
Item #	Size
4380	Plain Slot 8mm
4381	Plain Slot 10mm
4382	Plain Slot 12mm
4383	Cross Slot PH#3
4384	Cross Slot PH#4
4385	PZ-Type #3
4386	PZ-Type #4
4387	Int. Hex. 7mm
4388	Int. Hex. 8mm
4389	Int. Hex. 10mm
4390	Int. Hex. 12mm
4391	Int. Hex. 14mm
4440	T-40 Tamperproof
4445	T-45 Tamperproof
4450	T-50 Tamperproof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

Bits 6.3 ◘ ¼

Item #	Size
	T-5
	T-6
	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)

Bits, 8 (5/16)

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

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

10 ◘ 3/8 | 6.3 ◘ 1/4

- sockets in Pro Torque® finish
- 2 fine 72 tooth ratchets 1/4" + 1/2"
- short sockets, 1/4" drive: 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 mm
- deep sockets, 1/4" drive: 6, 7, 8, 10, 13 mm
- 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:
  13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24 mm
- deep sockets, 3/8" drive:: 15, 17, 19, 22 mm
- 1 bit adaptor 3/8"
- 1 universal joint 3/8"
- 1 extension bar 3/8"
- **3 spark plug sockets:** 16, 18, 21 mm
- 29 pc bit assortment in slot, cross slot, PZ, Internal Hexagon, T Star
- **9 pc Combination Spanner Set:**
  6, 8, 10, 11, 13, 14, 17, 19, 22 mm
- internal hexagon keys:2, 2.5, 3, 4, 5, 6, 7, 8, 10 mm
- 1 adaptor 1/4" auf 3/8"



Item #
2289

PRO+ CV

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

10 ◘ 3/8 | 6.3 ◘ 1/4

- 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" auf 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
- 13 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 handle1/4", 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 Zspark 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

27-piece Socket Set, 1/4"

6.3 ¼

- 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

On plastic carrying rail.



Item #
15105

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 ¼

- 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 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
- 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 ◘ ¼

- T-Star sockets **NOT tamper-proof**
- 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 6-24mm 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

8-piece Suspension Assembly Set

- incl. 1 "push thru" ratchet
- open "non-slip" sockets 17, 19, 21, 22, 24 mm,
- int. diameter:
  17, 19 mm = 16 mm
  21, 22 mm = 17 mm
  24,00 mm = 18 mm
- 1 extension bar 80 mm
- 1 socket 18 mm



Item #
2088

PRO+ CV

19-piece Socket Set, 1/2"

12.5 ½

- 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

On plastic carrying rail.



Item #
15110

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 (VPA/GS approved)
- 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 (VPA/GS approved)
- 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+



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



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 500mm long sliding tee bar incl. adaptor for unscrewing of very tough 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+

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 # 0
- 2 plain slotted screwdrivers 5,5x125 mm; 6,5x125 mm
- 1 testing screwdriver
- 3 cross slotted screwdrivers:
  #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

127-piece Professionell Tool Kit, Aluminium Case

12.5 ½ | 6.3 ¼

- one complete set for all kinds applications
  in your house, garden and garage
- heavy duty lockable aluminium case with excessive assortment
  of tools and parts:
  - various pliers
    (combination pliers, side cutter, water pum pliers etc.)
  - hammer
  - wrenches & spanners
  - sockets 1/4" + 1/2"
  - spark plug sockets
  - ratchet with adaptors
  - screw drivers
  - bit assortment, int. hexagon keys
  - water level
  - saw
  - torch
  - vernier caliper
  - measuring tape
  - and many more ...



Item #
15500

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

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+

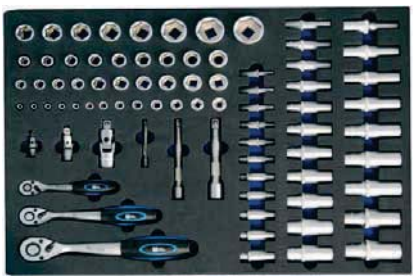
Roller Cabinet BGS 4100, complete with 296 Tools

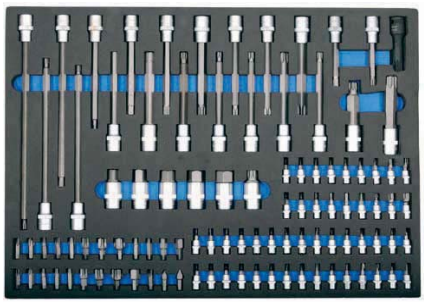
- heavy duty workshop finish
- heavy duty ball bearing castors, thereof 2 castors lockable
- lockable through central lock
- smooth-running, extendable, ball bearing drawers
- each drawer with additional safety lock
- foldable side shelf
- 8 drawers (2 extra big drawers), fully extendable
- practical 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

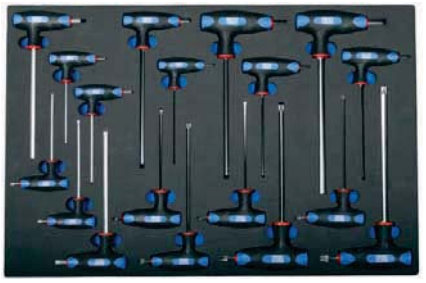
Art.-Nr.
4050

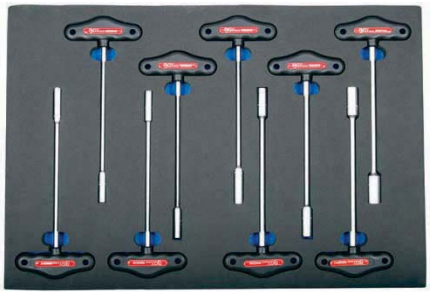
PRO+



















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

6.3 ◘ ¼

- 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", deep, 4-13 mm

6.3 ◘ ¼

- 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

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

6.3 ◘ ¼

- 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

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 ◘ 1/4

- **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 ◘ 1/4

- **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 ◘ 1/4

- E6-E16

Supplied on a socket rail



Item #
2027

PRO+ CV

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

6.3 ◘ 1/4

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

Supplied on a socket rail



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

Supplied on a socket rail



Item #
2222

PRO+ CV

3/8" Universal Joint Socket Set, Pro Torque, 10-19 mm

10 ◘ 3/8

- Pro-Torque®, hex.
- SW 10-11-12-13-14-15-16-17-18-19mm
- single sizes available under item # 2450-2459

Supplied on a socket rail



Item #
205

PRO+ CV

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+

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

5-piece Set 3/8" Universal Joint Sockets for T-STAR Screws, E6-E14

10 ◘ 3/8

- hardness and torque in accordance with DIN
- Sizes: E6-E8-E10-E12-E14
- single sizes available under item # 4037-4044

Supplied on socket rail



Item #
4035

PRO+ CV

6-piece Joint Socket Set for Glow Plugs 3/8"

10 ■ 3/8

- 3/8" drive, sizes 8-9-10-12-14-16 mm
- glow plugs are held by internal rubber ring
- with screwed universal joint, adjustable
- total length 75 mm / 80 mm (14 + 16 mm)
- perfect for jobs in hard-to-reach areas
- single sizes available under Art. 2980-2985



Item #
2990

PRO+

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

12.5 ■ 1/2

- satin chrome plated



Item #
2226

PRO+ CV

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

12.5 ■ 1/2

- 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

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

12.5 ½

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



Item #
2223

PRO+ CV

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

12.5 ½

- E10-11-12-14-16-18-20-22-24
- packaged in a metal box



Item #
6425

PRO+ 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+ CV

10-piece Deep 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 #
2435

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

Supplied on a plastic holder

Item #
2026

PRO+ CV



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



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
- length 85 mm

Item #
7200

PRO+ CRO MO



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

12.5 ½

- length 85 mm
- 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

Item #
7300

PRO+ CRO MO



5-piece Protective Impact Sockets Set, 1/2" with Plastic Cover, 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
- length 85 mm



Item #
7199

PRO+ CROMO

3-piece Protective Impact Sockets 1/2", 17-19-21 mm, 150 mm deep, with Plastic Cover 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
- with ball retaining groove and hole



Item #
7100

PRO+ CROMO

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+ CROMO

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+ CROMO

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

In metal case



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



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

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

12.5 ½

- for impact use
- 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



Item #
5200

PRO+ CRO MO

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

20 ◘ ¾

- suitable for impact wrenches
- with groove and hole
- short finish
- length 56 mm
- 22-24-27-28-30-32-36-38 mm

Packed in a blue metal case



Item #
5240

PRO+ CV

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

20 ◘ ¾

- black specific coating
- with groove and hole
- 22-24-27-28-30-32-36-38 mm, length 90 mm

Packed in a plastic carrying case



Item #
5241

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



Item #
5250

PRO+ CRO MO

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

In metal case with handle



Item #
5245

PRO+ CRO MO

1/4" "Super Lock" Sockets

6.3 ◘ 1/4

- satin chrome plated
- DIN

PRO+ CV

Item #	Description
2344	1/4" "Super Lock" Socket, 4 mm
2339	1/4" "Super Lock" Socket, 4.5 mm
2345	1/4" "Super Lock" Socket, 5 mm
2343	1/4" "Super Lock" Socket, 5.5 mm
2346	1/4" "Super Lock" Socket, 6 mm
2347	1/4" "Super Lock" Socket, 7 mm
2348	1/4" "Super Lock" Socket, 8 mm
2349	1/4" "Super Lock" Socket, 9 mm
2350	1/4" "Super Lock" Socket, 10 mm
2351	1/4" "Super Lock" Socket, 11 mm
2352	1/4" "Super Lock" Socket, 12 mm
2353	1/4" "Super Lock" Socket, 13 mm
2354	1/4" "Super Lock" Socket, 14 mm



1/4" "Pro Torque®" Sockets

6.3 ◘ 1/4

- satin chrome plated

PRO+ CV

Item #	Description
2473	1/4" "Pro Torque®" Socket, 3.5 mm
2474	1/4" "Pro Torque®" Socket, 4 mm
2475	1/4" "Pro Torque®" Socket, 4.5 mm
2476	1/4" "Pro Torque®" Socket, 5 mm
2477	1/4" "Pro Torque®" Socket, 5.5 mm
2478	1/4" "Pro Torque®" Socket, 6 mm
2479	1/4" "Pro Torque®" Socket, 7 mm
2480	1/4" "Pro Torque®" Socket, 8 mm
2481	1/4" "Pro Torque®" Socket, 9 mm
2482	1/4" "Pro Torque®" Socket, 10 mm
2483	1/4" "Pro Torque®" Socket, 11 mm
2484	1/4" "Pro Torque®" Socket, 12 mm
2485	1/4" "Pro Torque®" Socket, 13 mm
2486	1/4" "Pro Torque®" Socket, 14 mm



1/4" "Super Lock" Sockets (deep)

6.3 ◘ ¼

- satin chrome plated

PRO+ CV

Item #	Description
2964	1/4" "Super Lock" Socket (deep), 4 mm
2965	1/4" "Super Lock" Socket (deep), 5 mm
2966	1/4" "Super Lock" Socket (deep), 6 mm
2967	1/4" "Super Lock" Socket (deep), 7 mm
2968	1/4" "Super Lock" Socket (deep), 8 mm
2969	1/4" "Super Lock" Socket (deep), 9 mm
2970	1/4" "Super Lock" Socket (deep), 10 mm
2971	1/4" "Super Lock" Socket (deep), 11 mm
2972	1/4" "Super Lock" Socket (deep), 12 mm
2973	1/4" "Super Lock" Socket (deep), 13 mm
2974	1/4" "Super Lock" Socket (deep), 14 mm



Deep Sockets "Pro Torque®" 1/4"

6.3 ◘ ¼

- Pro Torque® finish
- satin chrome plated
- knurled

PRO+ CV

Item #	Description
10503	Deep Socket "Pro Torque®" 1/4", 5.5 mm
10504	Deep Socket "Pro Torque®" 1/4", 4 mm
10505	Deep Socket "Pro Torque®" 1/4", 5 mm
10506	Deep Socket "Pro Torque®" 1/4", 6 mm
10507	Deep Socket "Pro Torque®" 1/4", 7 mm
10508	Deep Socket "Pro Torque®" 1/4", 8 mm
10509	Deep Socket "Pro Torque®" 1/4", 9 mm
10510	Deep Socket "Pro Torque®" 1/4", 10 mm
10511	Deep Socket "Pro Torque®" 1/4", 11 mm
10512	Deep Socket "Pro Torque®" 1/4", 12 mm
10513	Deep Socket "Pro Torque®" 1/4", 13 mm



1/4" Sockets for T-STAR Screws

6.3 ◘ ¼

- chrome plated

PRO+ CV

Item #	Description
6404	1/4" Socket for T-STAR Screws, E4
6405	1/4" Socket for T-STAR Screws, E5
6406	1/4" Socket for T-STAR Screws, E6
6407	1/4" Socket for T-STAR Screws, E7
6408	1/4" Socket for T-STAR Screws, E8
6430	1/4" Socket for T-STAR Screws, E10
6431	1/4" Socket for T-STAR Screws, E11



1/4" Sockets "Gear Lock"

6.3 ◘ 1/4

- satin chrome plated
- knurled

PRO+ CV

Item #	Description
10104	1/4" Socket "Gear Lock", 4 mm
10101	1/4" Socket "Gear Lock", 4.5 mm
10105	1/4" Socket "Gear Lock", 5 mm
10102	1/4" Socket "Gear Lock", 5.5 mm
10106	1/4" Socket "Gear Lock", 6 mm
10107	1/4" Socket "Gear Lock", 7 mm
10108	1/4" Socket "Gear Lock", 8 mm
10109	1/4" Socket "Gear Lock", 9 mm
10110	1/4" Socket "Gear Lock", 10 mm
10111	1/4" Socket "Gear Lock", 11 mm
10112	1/4" Socket "Gear Lock", 12 mm
10113	1/4" Socket "Gear Lock", 13 mm
10114	1/4" Socket "Gear Lock", 14 mm



1/4" Deep Sockets "Gear Lock"

6.3 ◘ 1/4

- satin chrome plated
- knurled

PRO+ ZOLL/SAE CV

Item #	Description
10154	1/4" Deep Socket "Gear Lock", 4 mm
10155	1/4" Deep Socket "Gear Lock", 5 mm
10156	1/4" Deep Socket "Gear Lock", 6 mm
10157	1/4" Deep Socket "Gear Lock", 7 mm
10158	1/4" Deep Socket "Gear Lock", 8 mm
10159	1/4" Deep Socket "Gear Lock", 9 mm
10160	1/4" Deep Socket "Gear Lock", 10 mm
10161	1/4" Deep Socket "Gear Lock", 11 mm
10162	1/4" Deep Socket "Gear Lock", 12 mm
10163	1/2" Deep Socket "Gear Lock", 13 mm



3/8" Sockets "Super Lock"

10 ◘ 3/8

- satin chrome plated
- DIN standard

PRO+ CV

Item #	Description
2366	3/8" "Super Lock" Socket, 6 mm
2367	3/8" "Super Lock" Socket, 7 mm
2368	3/8" "Super Lock" Socket, 8 mm
2369	3/8" "Super Lock" Socket, 9 mm
2370	3/8" "Super Lock" Socket, 10 mm
2371	3/8" "Super Lock" Socket, 11 mm
2372	3/8" "Super Lock" Socket, 12 mm
2373	3/8" "Super Lock" Socket, 13 mm
2374	3/8" "Super Lock" Socket, 14 mm
2375	3/8" "Super Lock" Socket, 15 mm
2376	3/8" "Super Lock" Socket, 16 mm
2377	3/8" "Super Lock" Socket, 17 mm
2378	3/8" "Super Lock" Socket, 18 mm
2379	3/8" "Super Lock" Socket, 19 mm
2380	3/8" "Super Lock" Socket, 20 mm
2381	3/8" "Super Lock" Socket, 21 mm
2382	3/8" "Super Lock" Socket, 22 mm
2384	3/8" "Super Lock" Socket, 24 mm



3/8" Deep Sockets, "Super Lock"

10 ◘ 3/8

- satin chrome plated

PRO+ CV

Item #	Description
2600	3/8" Deep Socket, Super Lock, 10 mm
2601	3/8" Deep Socket, Super Lock, 11 mm
2602	3/8" Deep Socket, Super Lock, 12 mm
2603	3/8" Deep Socket, Super Lock, 13 mm
2604	3/8" Deep Socket, Super Lock, 14 mm
2605	3/8" Deep Socket, Super Lock, 15 mm
2606	3/8" Deep Socket, Super Lock, 16 mm
2607	3/8" Deep Socket, Super Lock, 17 mm
2608	3/8" Deep Socket, Super Lock, 18 mm
2609	3/8" Deep Socket, Super Lock, 19 mm



Deep Sockets "Pro Torque®" 3/8"

10 ◘ 3/8

- Pro Torque® finish
- satin chrome plated
- knurled

PRO+ CV

Item #	Description
10528	Deep Socket "Pro Torque®" 3/8", 8 mm
10530	Deep Socket "Pro Torque®" 3/8", 10 mm
10531	Deep Socket "Pro Torque®" 3/8", 11 mm
10532	Deep Socket "Pro Torque®" 3/8", 12 mm
10533	Deep Socket "Pro Torque®" 3/8", 13 mm
10534	Deep Socket "Pro Torque®" 3/8", 14 mm
10535	Deep Socket "Pro Torque®" 3/8", 15 mm
10536	Deep Socket "Pro Torque®" 3/8", 16 mm
10537	Deep Socket "Pro Torque®" 3/8", 17 mm
10538	Deep Socket "Pro Torque®" 3/8", 18 mm
10539	Deep Socket "Pro Torque®" 3/8", 19 mm



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



14 mm Spark Plug Socket, 12-point, 3/8", Length 90 mm

10 ◘ 3/8

- satin chrome finish
- with extra big knurl for better grip

Item #
2446

PRO+ CV



14 mm Spark Plug Socket, with Magnetic, 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



3/8" Sockets "Gear Lock"

10 ◘ 3/8

- satin chrome plated
- knurled

PRO+ ZOLL/SAE CV

Item #	Description
10310	3/8" Socket "Gear Lock", 10 mm
10311	3/8" Socket "Gear Lock", 11 mm
10312	3/8" Socket "Gear Lock", 12 mm
10313	3/8" Socket "Gear Lock", 13 mm
10314	3/8" Socket "Gear Lock", 14 mm
10315	3/8" Socket "Gear Lock", 15 mm
10316	3/8" Socket "Gear Lock", 16 mm
10317	3/8" Socket "Gear Lock", 17 mm
10318	3/8" Socket "Gear Lock", 18 mm
10319	3/8" Socket "Gear Lock", 19 mm



3/8" Deep Sockets "Gear Lock"

10 ◘ 3/8

- satin chrome plated
- knurled

PRO+ ZOLL/SAE CV

Item #	Description
10350	3/8" Deep Socket "Gear Lock", 10 mm
10351	3/8" Deep Socket "Gear Lock", 11 mm
10352	3/8" Deep Socket "Gear Lock", 12 mm
10353	3/8" Deep Socket "Gear Lock", 13 mm
10354	3/8" Deep Socket "Gear Lock", 14 mm
10355	3/8" Deep Socket "Gear Lock", 15 mm



3/8" Special Twist Sockets

10 ◘ 3/8

- 10-piece set is BGS 5265

PRO+ CRO MO

Item #	Description
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



3/8" Sockets for T-STAR Screws

10 ◘ 3/8

- chrome plated

PRO+ CV

Item #	Description
6410	3/8" Socket for T-STAR Screws, E10
6411	3/8" Socket for T-STAR Screws, E11
6412	3/8" Socket for T-STAR Screws, E12
6414	3/8" Socket for T-STAR Screws, E14
6416	3/8" Socket for T-STAR Screws, E16
6417	3/8" Socket for T-STAR Screws, E18



3/8" Universal Joint Sockets for T-STAR Screws

10 ◘ 3/8

-chrome plated

PRO+ CV

Item #	Description
4037	3/8" Universal Joint Socket for T-STAR Screws, E6
4038	3/8" Universal Joint Socket for T-STAR Screws, E8
4039	3/8" Universal Joint Socket for T-STAR Screws, E10
4042	3/8" Universal Joint Socket for T-STAR Screws, E12
4044	3/8" Universal Joint Socket for T-STAR Screws, E14



3/8" Joint Sockets for Spark and Glow Plugs

10 ◘ 3/8

- glow plug sockets 72 mm long
- spark plug sockets 80 mm long

PRO+ CV

Item #	Description
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



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

10 ◘ 3/8

- chrome plated, polished

PRO+ CV

Item #	Description
2450	3/8" Universal Joint Socket, 10 mm
2456	3/8" Universal Joint Socket, 16 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
2457	3/8" Universal Joint Socket, 17 mm
2458	3/8" Universal Joint Socket, 18 mm
2459	3/8" Universal Joint Socket, 19 mm



1/2" Sockets, Pro Torque®

12.5 ◘ 1/2

- satin chrome plated
- knurled

PRO+ CV

Item #	Description
2908	1/2" Socket, Pro Torque®, 8 mm
2909	1/2" Socket, Pro Torque®, 9 mm
2910	1/2" Socket, Pro Torque®, 10 mm
2911	1/2" Socket, Pro Torque®, 11 mm
2912	1/2" Socket, Pro Torque®, 12 mm
2913	1/2" Socket, Pro Torque®, 13 mm
2914	1/2" Socket, Pro Torque®, 14 mm
2915	1/2" Socket, Pro Torque®, 15 mm
2916	1/2" Socket, Pro Torque®, 16 mm
2917	1/2" Socket, Pro Torque®, 17 mm
2918	1/2" Socket, Pro Torque®, 18 mm
2919	1/2" Socket, Pro Torque®, 19 mm
2920	1/2" Socket, Pro Torque®, 20 mm
2921	1/2" Socket, Pro Torque®, 21 mm
2922	1/2" Socket, Pro Torque®, 22 mm
2924	1/2" Socket, Pro Torque®, 24 mm
2927	1/2" Socket, Pro Torque®, 27 mm
2930	1/2" Socket, Pro Torque®, 30 mm
2932	1/2" Socket, Pro Torque®, 32 mm
2936	1/2" Socket, Pro Torque®, 36 mm



1/2" Sockets, Super Lock

12.5 ½

- satin chrome plated
- knurled

PRO+ CV

Item #	Description
2408	1/2" Socket, "Super Lock", 8 mm
2409	1/2" Socket, "Super Lock", 9 mm
2410	1/2" Socket, "Super Lock", 10 mm
2411	1/2" Socket, "Super Lock", 11 mm
2412	1/2" Socket, "Super Lock", 12 mm
2413	1/2" Socket, "Super Lock", 13 mm
2414	1/2" Socket, "Super Lock", 14 mm
2415	1/2" Socket, "Super Lock", 15 mm
2416	1/2" Socket, "Super Lock", 16 mm
2417	1/2" Socket, "Super Lock", 17 mm
2418	1/2" Socket, "Super Lock", 18 mm
2419	1/2" Socket, "Super Lock", 19 mm
2420	1/2" Socket, "Super Lock", 20 mm
2421	1/2" Socket, "Super Lock", 21 mm
2422	1/2" Socket, "Super Lock", 22 mm
2424	1/2" Socket, "Super Lock", 24 mm
2427	1/2" Socket, "Super Lock", 27 mm
2430	1/2" Socket, "Super Lock", 30 mm
2432	1/2" Socket, "Super Lock", 32 mm



1/2" Deep Sockets, Super Lock

12.5 ½

- satin chrome plated
- knurled

PRO+ CV

Item #	Description
2943	1/2" Deep Socket, Super Lock, 13 mm
2944	1/2" Deep Socket, Super Lock, 14 mm
2945	1/2" Deep Socket, Super Lock, 15 mm
2946	1/2" Deep Socket, Super Lock, 16 mm
2947	1/2" Deep Socket, Super Lock, 17 mm
2948	1/2" Deep Socket, Super Lock, 18 mm
2949	1/2" Deep Socket, Super Lock, 19 mm
2952	1/2" Deep Socket, Super Lock, 22 mm



Deep Sockets "Pro Torque®" 1/2"

12.5 ½

- Pro Torque® finish
- satin chrome plated
- knurled

PRO+ CV

Item #	Description
10550	Deep Socket "Pro Torque®" 1/2", 10 mm
10553	Deep Socket "Pro Torque®" 1/2", 13 mm
10555	Deep Socket "Pro Torque®" 1/2", 15 mm
10556	Deep Socket "Pro Torque®" 1/2", 16 mm
10557	Deep Socket "Pro Torque®" 1/2", 17 mm
10558	Deep Socket "Pro Torque®" 1/2", 18 mm
10559	Deep Socket "Pro Torque®" 1/2", 19 mm
10562	Deep Socket "Pro Torque®" 1/2", 22 mm
10564	Deep Socket "Pro Torque®" 1/2", 24 mm



1/2" Sockets for T-STAR Screws

12.5 ½

- chrome plated
- knurled

PRO+ CV

Item #	Description
6460	1/2" Socket for T-STAR Screws, E10
6461	1/2" Socket for T-STAR Screws, E11
6462	1/2" Socket for T-STAR Screws, E12
6464	1/2" Socket for T-STAR Screws, E14
6466	1/2" Socket for T-STAR Screws, E16
6418	1/2" Socket for T-STAR Screws, E18
6420	1/2" Socket for T-STAR Screws, E20
6422	1/2" Socket for T-STAR Screws, E22
6424	1/2" Socket for T-STAR Screws, E24



1/2" Deep Sockets, E-Type

12.5 ½

- satin chrome plated
- knurled

PRO+ CV

Item #	Description
6440	1/2" Deep Socket, E10
6442	1/2" Deep Socket, E12
6444	1/2" Deep Socket, E14
6446	1/2" Deep Socket, E16
6448	1/2" Deep Socket, E18
6450	1/2" Deep Socket, E20



1/2" Sockets, Pro Torque®, SAE Sizes

12.5 ■ 1/2

- satin chrome plated
- knurled

PRO+ ZOLL/SAE CV

Item #	Description
2770	1/2" Socket, Pro Torque®, 3/8"
2771	1/2" Socket, Pro Torque®, 7/16"
2772	1/2" Socket, Pro Torque®, 1/2"
2773	1/2" Socket, Pro Torque®, 9/16"
2774	1/2" Socket, Pro Torque®, 5/8"
2775	1/2" Socket, Pro Torque®, 11/16"
2776	1/2" Socket, Pro Torque®, 3/4"
2777	1/2" Socket, Pro Torque®, 13/16"
2778	1/2" Socket, Pro Torque®, 7/8"
2779	1/2" Socket, Pro Torque®, 15/16"



1/2" Sockets "Gear Lock"

12.5 ■ 1/2

- satin chrome plated
- knurled

PRO+ ZOLL/SAE CV

Item #	Description
10208	1/2" Socket "Gear Lock", 8 mm
10209	1/2" Socket "Gear Lock", 9 mm
10210	1/2" Socket "Gear Lock", 10 mm
10211	1/2" Socket "Gear Lock", 11 mm
10212	1/2" Socket "Gear Lock", 12 mm
10213	1/2" Socket "Gear Lock", 13 mm
10214	1/2" Socket "Gear Lock", 14 mm
10215	1/2" Socket "Gear Lock", 15 mm
10216	1/2" Socket "Gear Lock", 16 mm
10217	1/2" Socket "Gear Lock", 17 mm
10218	1/2" Socket "Gear Lock", 18 mm
10219	1/2" Socket "Gear Lock", 19 mm
10220	1/2" Socket "Gear Lock", 20 mm
10221	1/2" Socket "Gear Lock", 21 mm
10222	1/2" Socket "Gear Lock", 22 mm
10224	1/2" Socket "Gear Lock", 24 mm
10227	1/2" Socket "Gear Lock", 27 mm
10230	1/2" Socket "Gear Lock", 30 mm
10232	1/2" Socket "Gear Lock", 32 mm



1/2" Deep Sockets "Gear Lock"

12.5 ■ 1/2

- satin chrome plated
- knurled

PRO+ ZOLL/SAE CV

Item #	Description
10254	1/2" Deep Socket "Gear Lock", 14 mm
10255	1/2" Deep Socket "Gear Lock", 15 mm
10256	1/2" Deep Socket "Gear Lock", 16 mm
10257	1/2" Deep Socket "Gear Lock", 17 mm
10258	1/2" Deep Socket "Gear Lock", 18 mm
10259	1/2" Deep Socket "Gear Lock", 19 mm



1/2" Impact Sockets, Pro Torque®

12.5 ◘ ½

- phosphated
- in accordance with DIN
- with groove and hole for retaining ball
- length approx. 38-46 mm

PRO+ CRO MO

Item #	Description
5210	1/2" Impact Socket, 10 mm
5211	1/2" Impact Socket, 11 mm
5212	1/2" Impact Socket, 12 mm
5213	1/2" Impact Socket, 13 mm
5214	1/2" Impact Socket, 14 mm
5215	1/2" Impact Socket, 15 mm
5216	1/2" Impact Socket, 16 mm
5217	1/2" Impact Socket, 17 mm
5219	1/2" Impact Socket, 19 mm
5218	1/2" Impact Socket, 18 mm
5222	1/2" Impact Socket, 22 mm
5224	1/2" Impact Socket, 24 mm
5227	1/2" Impact Socket, 27 mm
5230	1/2" Impact Socket, 30 mm
5232	1/2" Impact Socket, 32 mm



1/2" Deep Impact Sockets, Pro Torque®

12.5 ◘ ½

- phosphated
- in accordance with DIN
- with groove and hole for retaining ball
- length approx. 78 mm

PRO+ CRO MO

Item #	Description
7210	1/2" Deep Impact Socket, 10 mm
7211	1/2" Deep Impact Socket, 11 mm
7212	1/2" Deep Impact Socket, 12 mm
7213	1/2" Deep Impact Socket, 13 mm
7214	1/2" Deep Impact Socket, 14 mm
7215	1/2" Deep Impact Socket, 15 mm
7216	1/2" Deep Impact Socket, 16 mm
7217	1/2" Deep Impact Socket, 17 mm
7218	1/2" Deep Impact Socket, 18 mm
7219	1/2" Deep Impact Socket, 19 mm
7221	1/2" Deep Impact Socket, 21 mm
7222	1/2" Deep Impact Socket, 22 mm
7224	1/2" Deep Impact Socket, 24 mm
7227	1/2" Deep Impact Socket, 27 mm
7230	1/2" Deep Impact Socket, 30 mm
7232	1/2" Deep Impact Socket, 32 mm
7236	1/2" Deep Impact Socket, 36 mm



Impact Universal Joint Sockets, 1/2"

12.5 ½

- 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

1/2" Impact Sockets, 12-point

12.5 ½

- deep socket for impact wrenches (length 85 mm)
- with ball retaining grove and hole
- especially for drive shafts



PRO+ CRO MO

Item #	Description
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

Protective Impact Sockets 1/2" with Plastic Coating

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
- 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 ▪ 1/2

- 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
- 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 ▪ 1/2

- 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

Torsion Air Impact Wrench Sockets, 1/2", extra long

12.5 ▪ 1/2

- 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



PRO+ CRO MO

Item #	Description
7116	Torsion Air Impact Wrench Socket, 17 mm, torque-limited 115 NM, Length 150 mm
7117	Torsion Air Impact Wrench Socket, 19 mm, torque-limited 115 NM, Length 150 mm
7118	Torsion Air Impact Wrench Socket, 21 mm, torque-limited 115 NM, Length 150 mm

Protective Plastic Coating, loose

- wear part for all protective sockets

PRO+



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

Torsion Air Impact Wrench Extension Bar, 1/2", torque-limited 115 NM 12.5 ½

- special extension bar for 1/2"
- 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
- torque needs to be checked with torque wrench



Item #
7120

PRO+

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

3/4" Sockets, Pro Torque®

20 ◘ ¾

- chrome plated

PRO+ CV

Item #	Description
3419	3/4" Socket, Pro Torque, 19 mm
3421	3/4" Socket, Pro Torque, 21 mm
3422	3/4" Socket, Pro Torque, 22 mm
3424	3/4" Socket, Pro Torque, 24 mm
3427	3/4" Socket, Pro Torque, 27 mm
3430	3/4" Socket, Pro Torque, 30 mm
3432	3/4" Socket, Pro Torque, 32 mm
3433	3/4" Socket, Pro Torque, 33 mm
3434	3/4" Socket, Pro Torque, 34 mm
3435	3/4" Socket, Pro Torque, 35 mm
3436	3/4" Socket, Pro Torque, 36 mm
3438	3/4" Socket, Pro Torque, 38 mm
3441	3/4" Socket, Pro Torque, 41 mm
3442	3/4" Socket, Pro Torque, 42 mm
3444	3/4" Socket, 44 mm
3446	3/4" Socket, Pro Torque, 46 mm
3450	3/4" Socket, Pro Torque, 50 mm



3/4" Impact Sockets

20 ◘ ¾

- black phosphate finish
- with groove and hole for retaining ball

PRO+ CRO MO

Item #	Description
5617	3/4" Impact Socket, 17 mm
5619	3/4" Impact Socket, 19 mm
5622	3/4" Impact Socket, 22 mm
5624	3/4" Impact Socket, 24 mm
5626	3/4" Impact Socket, 26 mm
5627	3/4" Impact Socket, 27 mm
5630	3/4" Impact Socket, 30 mm
5632	3/4" Impact Socket, 32 mm
5633	3/4" Impact Socket, 33 mm
5634	3/4" Impact Socket, 34 mm
5636	3/4" Impact Socket, 36 mm
5638	3/4" Impact Socket, 38 mm
5641	3/4" Impact Socket, 41 mm
5646	3/4" Impact Socket, 46 mm
5650	3/4" Impact Socket, 50 mm
5655	3/4" Impact Socket, 55 mm
5660	3/4" Impact Socket, 60 mm



3/4" Deep Impact Sockets, length 90 mm

20 ◘ ¾

- black phosphate finish
- with groove and hole for retaining ball
- length: 90 mm

PRO+ CRO MO

Item #	Description
5717	3/4" Deep Impact Socket, 17 mm
5719	3/4" Deep Impact Socket, 19 mm
5721	3/4" Deep Impact Socket, 21 mm
5722	3/4" Deep Impact Socket, 22 mm
5724	3/4" Deep Impact Socket, 24 mm
5726	3/4" Deep Impact Socket, 26 mm
5727	3/4" Deep Impact Socket, 27 mm
5730	3/4" Deep Impact Socket, 30 mm
5732	3/4" Deep Impact Socket, 32 mm
5733	3/4" Deep Impact Socket, 33 mm
5734	3/4" Deep Impact Socket, 34 mm
5736	3/4" Deep Impact Socket, 36 mm
5738	3/4" Deep Impact Socket, 38 mm
5741	3/4" Deep Impact Socket, 41 mm
5746	3/4" Deep Impact Socket, 46 mm
5750	3/4" Deep Impact Socket, 50mm



3/4" Impact Sockets, deep

20 ◘ ¾

- 110 mm deep
- 12-point
- for Mercedes trucks cylinder head screws
- for models MB 400-420-500 (17 mm) and MB 300-400-900 (19 mm)

PRO+ CRO MO

Item #	Description
5345	3/4" Impact Socket, deep, 17 mm
5346	3/4" Impact Socket, deep, 19 mm



3/4" Impact Socket, 33 mm

20 ◘ ¾

- deep socket for IMPACT WRENCHES (length 90 mm)
- suitable for MAN-wheel nuts
- Pro Torque®
- with ball retaining groove and hole

Item #
5333

PRO+ CRO MO



1" Sockets, Pro Torque®

25 ■ 1

- satin chrome plated

PRO+ CV

Item #	Description
3736	1" Socket, Pro Torque®, 36 mm
3741	1" Socket, Pro Torque®, 41 mm
3746	1" Socket, Pro Torque®, 46 mm
3750	1" Socket, Pro Torque®, 50 mm
3755	1" Socket, Pro Torque®, 55 mm
3760	1" Socket, Pro Torque®, 60 mm
3765	1" Socket, Pro Torque®, 65 mm
3770	1" Socket, Pro Torque®, 70 mm
3775	1" Socket, Pro Torque®, 75 mm
3780	1" Socket, Pro Torque®, 80 mm



1" Impact Sockets

25 ■ 1

- black phosphate finish
- with hole and groove for retaining ball

PRO+ CRO MO

Item #	Description
5827	1" Impact Socket, 27 mm
5830	1" Impact Socket, 30 mm
5832	1" Impact Socket, 32 mm
5836	1" Impact Socket, 36 mm
5838	1" Impact Socket, 38 mm
5841	1" Impact Socket, 41 mm
5846	1" Impact Socket, 46 mm
5850	1" Impact Socket, 50 mm
5855	1" Impact Socket, 55 mm
5860	1" Impact Socket, 60 mm
5865	1" Impact Socket, 65 mm
5870	1" Impact Socket, 70 mm
5875	1" Impact Socket, 75 mm
5880	1" Impact Socket, 80 mm
5885	1" Impact Socket, 85 mm
5895	1" Impact Socket, 95 mm
5905	1" Impact Socket, 105 mm



Bits Plain Slot, 1/4"

- length 25 mm

PRO+ CV

Item #	Description
8198	Bit Plain Slot 4.5 mm, 1/4"
8199	Bit Plain Slot 5.5 mm, 1/4"
8189	Bit Plain Slot 7 mm, 1/4"



Bits Internal Hexagon, 1/4"

- length 25 mm

PRO+ CV

Item #	Description
8176	Bit Int. hex. 3 mm, 1/4"
8177	Bit Int. hex. 4 mm, 1/4"
8178	Bit Int. hex. 5 mm, 1/4"
8179	Bit Int. hex. 6 mm, 1/4"
8182	Bit Int. hex. 7 mm, 1/4"
8180	Bit Int. hex. 8 mm, 1/4"
8181	Bit Int. hex. 10 mm, 1/4"



Bits Cross Slot, 1/4"

- length 25 mm

PRO+ CV

Item #	Description
8185	Bit cross #1, 1/4"
8186	Bit cross #2, 1/4"
8187	Bit cross #3, 1/4"
8188	Bit cross #4, 1/4"



Bits PZ, 1/4"

- length 25 mm

PRO+ CV

Item #	Description
8170	Bit PZ #1, 1/4"
8172	Bit PZ #2, 1/4"
8173	Bit PZ #3, 1/4"
8174	Bit PZ #4, 1/4"



Bits T-Star, 1/4"

- length 25 mm

PRO+ CV

Item #	Description
8217	Bit T7, 1/4"
8208	T-Star Bit T8, 1/4"
8209	Bit T9, 1/4"
8190	Bit T10, 1/4"
8191	Bit T15, 1/4"
8192	Bit T20, 1/4"
8193	Bit T25, 1/4"
8194	Bit T27, 1/4"
8195	Bit T30, 1/4"
8196	Bit T40, 1/4"
8197	Bit T45, 1/4"



Bits T-Star tamperproof, 1/4"

- length 25 mm

PRO+ CV

Item #	Description
2436	Bit T7 tamperproof, 1/4"
2437	Bit T8 tamperproof, 1/4"
2438	Bit T9 tamperproof, 1/4"
2439	Bit T10 tamperproof, 1/4"
2440	Bit T15 tamperproof, 1/4"
2441	Bit T20 tamperproof, 1/4"
2442	Bit T25 tamperproof, 1/4"
2443	Bit T27 tamperproof, 1/4"
2444	Bit T30 tamperproof, 1/4"
2445	Bit T40 tamperproof, 1/4"



Bits Plain Slot, 5/16"

- 30 mm long

PRO+ CV

Item #	Description
4380	Plain Slot Bit 8 mm, 30 mm long, 5/16" Drive
4381	Plain Slot Bit 10 mm, 30 mm long, 5/16" Drive
4382	Plain Slot Bit 12 mm, 30 mm long, 5/16" Drive



Bits Internal Hexagon, 5/16"

- 30 mm long

PRO+ CV

Item #	Description
4387	Int. Hex. Bit 7 mm, 30 mm long, 5/16" Drive
4388	Int. Hex. Bit 8 mm, 30 mm long, 5/16" Drive
4389	Int. Hex. Bit 10 mm, 30 mm long, 5/16" Drive
4390	Int. Hex. Bit 12 mm, 30 mm long, 5/16" Drive
4391	Int. Hex. Bit 14 mm, 30 mm long, 5/16" Drive



Bits Cross Slot, 5/16"

- 30 mm long
- 8 mm (=5/16") drive, hex.

PRO+ CV

Item #	Description
4383	Cross Slot PH#3, 30 mm long, 5/16" Drive
4384	Cross Slot PH#4, 30 mm long, 5/16" Drive



Bits PZ, 5/16"

- 30 mm long
- 8 mm (=5/16") drive, hex.

PRO+ CV

Item #	Description
4385	POZI Bit PZ#3, 30 mm long, 5/16" Drive
4386	POZI Bit PZ#4, 30 mm long, 5/16" Drive



T-Star Bits, not tamperproof, 30 mm short, 5/16"

- 8 mm (5/16")
- hex.

PRO+ CV

Item #	Description
8160	T10 Bit, not tamperproof, 30 mm short, 5/16" Drive
8161	T15 Bit, not tamperproof, 30 mm short, 5/16" Drive
8167	T20 Bit, not tamperproof, 30 mm short, 5/16" Drive
8162	T25 Bit, not tamperproof, 30 mm short, 5/16" Drive
8169	T27 Bit, not tamperproof, 30 mm short, 5/16" Drive
8163	T30 Bit, not tamperproof, 30 mm short, 5/16" Drive
8164	T40 Bit, not tamperproof, 30 mm short, 5/16" Drive
8165	T45 Bit, not tamperproof, 30 mm short, 5/16" Drive
8166	T50 Bit, not tamperproof, 30 mm short, 5/16" Drive
8168	T55 Bit, not tamperproof, 30 mm short, 5/16" Drive
4456	T60 Bit, not tamperproof, 30 mm short, 5/16" Drive
4457	T70 Bit, not tamperproof, 30 mm short, 5/16" Drive



T-Star Bits, tamperproof, 30 mm short, 5/16"

- chrome vanadium steel
- 8 mm (5/16") hex.

PRO+ CV

Item #	Description
4410	T10 Bit, tamperproof, 30 mm short, 5/16" Drive
4415	T15 Bit, tamperproof, 30 mm short, 5/16" Drive
4427	T27 Bit, tamperproof, 30 mm short, 5/16" Drive
4420	T20 Bit, tamperproof, 30 mm short, 5/16" Drive
4425	T25 Bit, tamperproof, 30 mm short, 5/16" Drive
4430	T30 Bit, tamperproof, 30 mm short, 5/16" Drive
4440	T40 Bit, tamperproof, 30 mm short, 5/16" Drive
4445	T45 Bit, tamperproof, 30 mm short, 5/16" Drive
4450	T50 Bit, tamperproof, 30 mm short, 5/16" Drive
4455	T55 Bit, tamperproof, 30 mm short, 5/16" Drive
4460	T60 Bit, tamperproof, 30 mm short, 5/16" Drive
4458	T70 Bit, tamperproof, 30 mm short, 5/16" Drive



T-STAR Bits, tamperproof, 30 mm long, 3/8"

- 10 mm (=3/8") hex.
- tamperproof security

PRO+ CV

Item #	Description
4610	T-STAR Bit, tamperproof, 30 mm long, T10, 3/8"
4615	T-STAR Bit, tamperproof, 30 mm long, T15, 3/8"
4620	T-STAR Bit, tamperproof, 30 mm long, T20, 3/8"
4625	T-STAR Bit, tamperproof, 30 mm long, T25, 3/8"
4627	T-STAR Bit, tamperproof, 30 mm long, T27, 3/8"
4630	T-STAR Bit, tamperproof, 30 mm long, T30, 3/8"
4640	T-STAR Bit, tamperproof, 30 mm long, T40, 3/8"
4645	T-STAR Bit, tamperproof, 30 mm long, T45, 3/8"
4650	T-STAR Bit, tamperproof, 30 mm long, T50, 3/8"
4655	T-STAR Bit, tamperproof, 30 mm long, T55, 3/8"
4660	T-STAR Bit, tamperproof, 30 mm long, T60, 3/8"
4670	T-STAR Bit, tamperproof, 30 mm long, T70, 3/8"



T-STAR Bits, not tamperproof, 30 mm short, 3/8"

- 10 mm (=3/8") hex.
- for adaptor # 0290 (1/2" drive) and adaptor # 0291 (3/8" drive)

PRO+ CV

Item #	Description
4866	T-STAR Bit, not tamperproof, 30 mm long, T10, 3/8"
4868	T-STAR Bit, not tamperproof, 30 mm long, T15, 3/8"
4869	T-STAR Bit, not tamperproof, 30 mm long, T20, 3/8"
4870	T-STAR Bit, not tamperproof, 30 mm long, T25, 3/8"
4867	T-STAR Bit, not tamperproof, 30 mm long, T27, 3/8"
4871	T-STAR Bit, not tamperproof, 30 mm long, T30, 3/8"
4873	T-STAR Bit, not tamperproof, 30 mm long, T45, 3/8"
4872	T-STAR Bit, not tamperproof, 30 mm long, T40, 3/8"
4874	T-STAR Bit, not tamperproof, 30 mm long, T50, 3/8"
4875	T-STAR Bit, not tamperproof, 30 mm long, T55, 3/8"
4876	T-STAR Bit, not tamperproof, 30 mm long, T60, 3/8"



T-STAR Bits, tamperproof, Length 75 mm, 3/8"

- 10 mm (=3/8") hex.
- tamperproof security

PRO+ CV

Item #	Description
4710	T-STAR Bit, tamperproof, 75 mm long, T10, 3/8"
4715	T-STAR Bit, tamperproof, 75 mm long, T15, 3/8"
4720	T-STAR Bit, tamperproof, 75 mm long, T20, 3/8"
4725	T-STAR Bit, tamperproof, 75 mm long, T25, 3/8"
4727	T-STAR Bit, tamperproof, 75 mm long, T27, 3/8"
4730	T-STAR Bit, tamperproof, 75 mm long, T30, 3/8"
4740	T-STAR Bit, tamperproof, 75 mm long, T40, 3/8"
4745	T-STAR Bit, tamperproof, 75 mm long, T45, 3/8"
4750	T-STAR Bit, tamperproof, 75 mm long, T50, 3/8"
4755	T-STAR Bit, tamperproof, 75 mm long, T55, 3/8"



T-STAR Bits, not tamperproof, 75 mm long, 3/8"

- 10 mm (=3/8") hex.
- for adaptor # 0290 (1/2" drive) and adaptor # 0291 (3/8" drive)

PRO+ CV

Item #	Description
4566	T-STAR Bit, not tamperproof, 75 mm long, T10, 3/8"
4568	T-STAR Bit, not tamperproof, 75 mm long, T15, 3/8"
4569	T-STAR Bit, not tamperproof, 75 mm long, T20, 3/8"
4570	T-STAR Bit, not tamperproof, 75 mm long, T25, 3/8"
4567	T-STAR Bit, not tamperproof, 75 mm long, T27, 3/8"
4571	T-STAR Bit, not tamperproof, 75 mm long, T30, 3/8"
4572	T-STAR Bit, not tamperproof, 75 mm long, T40, 3/8"
4573	T-STAR Bit, not tamperproof, 75 mm long, T45, 3/8"
4574	T-STAR Bit, not tamperproof, 75 mm long, T50, 3/8"
4575	T-STAR Bit, not tamperproof, 75 mm long, T55, 3/8"



Internal Hexagon Bits, 30 mm long, 3/8"

- 10 mm (=3/8") hex.
- for adaptor # 0290 (1/2" drive) and adaptor # 0291 (3/8" drive)

PRO+ CV

Item #	Description
4950	Int. hex. Bit (Inbus), 30 mm short, 4 mm, 3/8"
4951	Int. hex. Bit (Inbus), 30 mm short, 5 mm, 3/8"
4952	Int. hex. Bit (Inbus), 30 mm short, 6 mm, 3/8"
4953	Int. hex. Bit (Inbus), 30 mm short, 7 mm, 3/8"
4954	Int. hex. Bit (Inbus), 30 mm short, 8 mm, 3/8"
4955	Int. hex. Bit (Inbus), 30 mm short, 10 mm, 3/8"
4956	Int. hex. Bit (Inbus), 30 mm short, 12 mm, 3/8"
4957	Int. hex. Bit (Inbus), 30 mm short, 14 mm, 3/8"



Internal Hexagon Bits, 75 mm long, 3/8"

- 10 mm (=3/8") hex.
- for adaptor # 0290 (1/2" drive) and adaptor # 0291 (3/8" drive)

PRO+ CV

Item #	Description
4959	Int. hex. Bit (Inbus), 75 mm long, 5 mm, 3/8"
4960	Int. hex. Bit (Inbus), 75 mm long, 5 mm, 3/8"
4961	Int. hex. Bit (Inbus), 75 mm long, 6 mm, 3/8"
4962	Int. hex. Bit (Inbus), 75 mm long, 7 mm, 3/8"
4963	Int. hex. Bit (Inbus), 75 mm long, 8 mm, 3/8"
4964	Int. hex. Bit (Inbus), 75 mm long, 10 mm, 3/8"
4965	Int. hex. Bit (Inbus), 75 mm long, 12 mm, 3/8"
4966	Int. hex. Bit (Inbus), 75 mm long, 14 mm, 3/8"



Spline Bits, 30 mm long, 3/8"

- 10 mm (=3/8") hex.
- for adaptor # 0290 (1/2" drive) and adaptor # 0291 (3/8" drive)

PRO+ CV

Item #	Description
4850	Spline Bit, 30 mm, long, M5, 3/8"
4851	Spline Bit, 30 mm, long, M6, 3/8"
4852	Spline Bit, 30 mm, long, M8, 3/8"
4853	Spline Bit, 30 mm, short, M10, 3/8"
4854	Spline Bit, 30 mm, long, M12, 3/8"



Spline Bits, 75 mm, long, 3/8"

- 10 mm (=3/8")
- hex.
- for adaptor # 0290 (1/2" drive) and adaptor # 0291 (3/8" drive)

PRO+ CV

Item #	Description
4859	Spline Bit, 75 mm, long, M5, 3/8"
4860	Spline Bit, 75 mm, long, M6, 3/8"
4861	Spline Bit, 75 mm, long, M8, 3/8"
4862	Spline Bit, 75 mm, long, M10, 3/8"
4863	Spline Bit, 75 mm, long, M12, 3/8"
4864	Spline Bit, 75 mm, long, M14, 3/8"



RIBE Bits, 3/8" (10 mm), 30 mm short

- 10 mm (=3/8") hex.

PRO+ CV

Item #	Description
4760	RIBE Bit, 30 mm long, M5
4761	RIBE Bit, 30 mm long, M6
4762	RIBE Bit, 30 mm long, M7
4763	RIBE Bit, 30 mm longt, M8
4764	RIBE Bit, 30 mm long, M9
4765	RIBE Bit, 30 mm long, M10
4766	RIBE Bit, 30 mm long, M11
4767	RIBE Bit, 30 mm long, M12
4768	RIBE Bit, 30 mm long, M13



RIBE Bits, 3/8" (10 mm), 100 mm long

- **chrome vanadium steel**
- 10 mm (=3/8") hex.

PRO+ CV

Item #	Description
4770	RIBE Bit, 100 mm long, M5
4771	RIBE Bit, 100 mm long, M6
4772	RIBE Bit, 100 mm long, M7
4773	RIBE Bit, 100 mm long, M8
4774	RIBE Bit, 100 mm long, M9
4775	RIBE Bit, 100 mm long, M10
4776	RIBE Bit, 100 mm long, M10.3
4777	RIBE Bit, 100 mm long, M11
4778	RIBE Bit, 100 mm long, M12
4779	RIBE Bit, 100 mm long, M13
4780	RIBE Bit, 100 mm long, M14



T-STAR Bit, not tamperproof, 14 mm hex.

- 14 mm hex.

PRO+ CV

Item #	Description
4576	T-STAR Bit, not tamperproof, 75 mm long, T60, 14 mm hex.
4581	T-STAR Bit, not tamperproof, 80 mm long, T70, 14 mm hex.



XXL T-STAR Bits, 100 mm long, 22 mm hex.

- black finish
- for use with air tools

PRO+ CRO MO

Item #	Description
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.



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



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



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



11-piece Bit Assortment with bendable Mandrel

- to be used with drill machine
- 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



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



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



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



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

Held in plastic storage holder

Item #
784



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



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



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



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 handle
- 121 bits and accessories make this set all purpose



Item #
20100

PRO+ CV

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

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

25-piece Color-Bit-Set

- **intelligent color guide**:
  one color for each profile
- 24 bits, 25 mm long:
  slot 2 - 4 - 4,5 - 5 - 5,5 - 6 mm
  PH 1, 2x PH 2, PH 3
  PZ 1, 2x PZ 2, PZ 3
  Internal Hexagon 3 - 4 - 5 - 6 mm
  T10-15-20-25-27-30
- 1 bit holder with quick release

On magnetic display



Item #
4825

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



37-piece Bit Set with Double Ratcheting Spanner

- **special nickel plated bits**

1x double ratchet wrench 8x10 mm
4x cross slot bits: #0,#1,#2,#3
3x plain slot bits: 4, 5.5, 6.5 mm
7x hex bits: 3,4,5,6,7,8,10 mm
9x T-Star bits: T8,T10,T15,T20,T25,T27,T30,T40,T45
6x T-Star bits (tamperproof): T15,T20,T25,T30,T40,T45
5x spline bits: 4,5,6,8,10
2x pozi bits: #1,#2

Item #
2250

PRO+ CV



24-piece Bit Set with Double Ratcheting Spanner

- **special nickel plated bits**

1x double ratchet wrench 8x10 mm
3x cross slot bits: #1,#2,#3
2x hex bits: 4,5 mm
8x T-Star bits: T8,T10,T15,T20,T25,T30,T40,T45
6x T-Star bits (tamperproof): T15,T20,T25,T30,T40,T45
4x spline bits: 5,6,8,10

Item #
2251

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

6-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

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

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

PRO CV

11-piece XZN Screwdriver 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 1/2" 10 mm for holding bits



Item #
5030

PRO+ CV

15-piece Screwdriver Set "T-Star"

- 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

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

In metal case

Item #
5028

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 each
- incl. 1/2" und 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



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

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

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

12-piece Alternator Bit Set, 1/2"

- 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



Item #
4246

PRO+ CV

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

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



Item #
5246

PRO+ CRO MO

1/4" Magnetic Bit Holder, 60 mm

- satin chrome plated
- suitable for electric drills



Item #
1729

PRO CV

1/4" Magnetic Bit Holder, extra strong

- 60 mm long
- extremely strong magnet that even holds the screw through the bit
- on attractive blister card: german/english/spanish



Item #
1727

PRO+ CV

1/4" Automatic Bit Holder, 50 mm

- satin chrome plated
- suitable for electric drills



Item #
1730

PRO+ CV

1/4" Automatic Bit Holder, 100 mm

- satin chrome plated
- suitable for electric drills

Item #
1731

PRO+ CV



Bit Holder with flexible Shaft

- for 1/4" bits
- 100 mm length
- quick release
- head bends +/- 15°

Item #
1725



Angeled Bit Holder

- 1/4" hex drive
- special short construction (only 37 m) height) for hard-to-reach areas
- quick release function

Item #
4846



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



8-piece Bit Set with Quick Change Bit Holder

- quick change bit holder
- strong magnetic ring for holding screw
- no problems with attaching screws
- includes:
  - cross bits in PZ1, PZ2 and PZ3
  - T-Star bits in T15, T20, T25 and T30

Item #
20808

PRO+ 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

PRO



Adaptor 1/4" Square Head to Hexagon, 30 mm

- 1/4" square head with ball x 1/4" hexagon, 30 mm long
- steelgrey

Item #
8202

PRO+



Adaptor 3/8" Square x 5/16" Hexagon, 30 mm

Item #
2229-1

PRO+



Bit Adaptors with Retaining Ball

- satin chrome plated
- retaining ball

PRO+ CV

Item #	Description
290	1/2" Adaptor with Retaining Ball, f. 10 mm Bits
291	3/8" Adaptor with Retaining Ball, f. 10 mm Bits
292	3/8" Adaptor with Retaining Ball, f. 8 mm Bits
8203	1/4" Adaptor with Retaining Ball, f. 1/4" Bits
293	1/2" Adaptor with Retaining Ball, f. 8 mm Bits
284	1/2" Bit Adaptor with Retaining Ball, for 14 mm Bits



Bit Screwdriver for 1/4" Bits with flexible Shaft

- magnetic bit holding
- length 260 mm
- 2-component handle (blue/black)

Item #
7829

PRO+



Reversible Bit Ratchet for 8 mm Bits

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

Item #
3559

PRO+



Cranked Wrench Key

- Length: 480 mm
- for 1/4" bits
- attachable holder



Item #
4838

PRO+

1/4" Bit Sockets, Plain Slot

6.3 ◘ ¼

- satin chrome plated, knurled

PRO+ CV



Item #	Description
2493	1/4" Bit Socket, plain slot 4.0 mm
2494	1/4" Bit Socket, plain slot 5.5 mm
2495	1/4" Bit Socket, plain slot 6.5 mm
2496	1/4" Bit Socket, plain slot 7.0 mm

1/4" Bit Sockets, Internal Hexagon

6.3 ◘ ¼

- satin chrome plated, knurled

PRO+ CV



Item #	Description
2497	1/4" Bit Socket, int. hex. 3 mm
2498	1/4" Bit Socket, int. hex. 4 mm
2499	1/4" Bit Socket, int. hex. 5 mm
2500	1/4" Bit Socket, int. hex. 6 mm
2501	1/4" Bit Socket, int. hex. 7 mm
2502	1/4" Bit Socket, int. hex. 8 mm

1/4" Bit Sockets, PH

6.3 ◘ ¼

- satin chrome plated

PRO+ CV



Item #	Description
2504	1/4" Bit Socket, PH0
2487	1/4" Bit Socket, PH1
2488	1/4" Bit Socket, PH2
2489	1/4" Bit Socket, PH3

1/4" Bit Sockets, POZI (PZ)

6.3 ◘ ¼

- satin chrome plated, knurled

PRO+ CV

Item #	Description
2505	1/4" Bit Socket, PZ0
2490	1/4" Bit Socket, PZ1
2491	1/4" Bit Socket, PZ2
2492	1/4" Bit Socket, PZ3



1/4" Bit Sockets, Spline Bits

6.3 ◘ ¼

- satin chrome plated, knurled

PRO+ CV

Item #	Description
2503	1/4" Bit Socket, spline M8
2506	1/4" Bit Socket, spline M10
2507	1/4" Bit Socket, spline M12



1/4" Bit Sockets, T-STAR

6.3 ◘ ¼

- not tamperproof
- spiral-knurled

PRO+ CV

Item #	Description
2557	1/4" Bit Socket T-STAR, T7
2589	1/4" Bit Socket T-STAR, T8
2588	1/4" Bit Socket T-STAR, T9
2590	1/4" Bit Socket T-STAR, T10
2591	1/4" Bit Socket T-STAR, T15
2592	1/4" Bit Socket T-STAR, T20
2593	1/4" Bit Socket T-STAR, T25
2594	1/4" Bit Socket T-STAR, T27
2595	1/4" Bit Socket T-STAR, T30
2565	1/4" Bit Socket T-STAR, T35
2596	1/4" Bit Socket T-STAR, T40



1/4" Bit Sockets, T-STAR, tamperproof

6.3 ◘ ¼

- satin chrome plated, knurled

PRO+ CV

Item #	Description
2356	1/4" Bit Socket, T-STAR, tamperproof, T8
2364	1/4" Bit Socket, T-STAR, tamperproof, T9
2357	1/4" Bit Socket, T-STAR, tamperproof, T10
2358	1/4" Bit Socket, T-STAR, tamperproof, T15
2359	1/4" Bit Socket, T-STAR, tamperproof, T20
2360	1/4" Bit Socket, T-STAR, tamperproof, T25
2361	1/4" Bit Socket, T-STAR, tamperproof, T27
2362	1/4" Bit Socket, T-STAR, tamperproof, T30
2363	1/4" Bit Socket, T-STAR, tamperproof, T40



1/4" Bit Sockets, TS-STAR, tamperproof

6.3 ◘ ¼

- satin chrome plated

PRO+ CV

Item #	Description
5184-TS10	1/4" Bit Socket TS-STAR, TS10x38 mm
5184-TS15	1/4" bit socket TS-STAR, tamperproof, TS15x38 mm
5184-TS20	1/4" Bit Socket TS-STAR, tamperproof,TS20x38 mm
5184-TS25	1/4" Bit Socket TS-STAR, tamperproof, TS25x38 mm
5184-TS27	1/4" Bit Socket TS-STAR, tamperproof, TS27x38 mm
5184-TS30	1/4" bit socket TS-STAR, tamperproof, TS30x38 mm
5184-TS40	1/4" Bit Socket TS-STAR, tamperproof, TS40x38 mm
5184-TS45	1/4" Bit Socket TS-STAR, tamperproof, TS45x38 mm
5184-TS50	1/4" Bit Socket TS-STAR, tamperproof, TS50x38 mm



1/4" Bit Socket, T-Star T30x100, tamperproof

6.3 ◘ ¼

- extra long
- satin chrome plated, knurled
- tamperproof, especially for airbags

Item #
4203

PRO+ CV



1/4" Bit-Socket, T-STAR, T30x400

6.3 ◘ ¼

- extra long
- satin chrome plated, knurled
- T 30x400: headlight assembly Audi A 6

Item #
4202

PRO+ CV



3/8" Bit Sockets, Plain Slot

10 ◘ 3/8

- satin chrome plated, knurled

PRO+ CV

Item #	Description
2567	3/8" Bit Socket, plain slot, 5.5 mm
2568	3/8" Bit Socket, plain slot, 7 mm



3/8" Bit Sockets, Internal Hexagon

10 ◘ 3/8

- satin chrome plated, knurled

PRO+ CV

Item #	Description
2576	3/8" Bit Socket, int. hexagon, 3 mm
2577	3/8" Bit Socket, int. hexagon, 4 mm
2578	3/8" Bit Socket, int. hexagon, 5 mm
2579	3/8" Bit Socket, int. hexagon, 6 mm
2580	3/8" Bit Socket, int. hexagon, 7 mm
2581	3/8" Bit Socket, int. hexagon, 8 mm
2582	3/8" Bit Socket, int. hexagon, 10 mm



3/8" Bit Sockets, Cross Slot

10 ◘ 3/8

- satin chrome plated, knurled

PRO+ CV

Item #	Description
2553	3/8" Bit Socket, cross slot #1
2554	3/8" Bit Socket, cross slot #2
2556	3/8" Bit Socket, cross slot #3



3/8" Bit Sockets, PZ-Type

10 ◘ 3/8

- satin chrome plated, knurled

PRO+ CV

Item #	Description
2550	3/8" Bit Socket, PZ-Type #1
2551	3/8" Bit Socket, PZ-Type #2
2552	3/8" Bit Socket, PZ-Type #3



3/8" Bit Sockets, T-STAR (not tamperproof)

10 ◘ 3/8

- satin chrome plated, knurled

PRO+ CV

Item #	Description
2541	3/8" Bit Socket, T-STAR (not tamperproof), T15
2542	3/8" Bit Socket, T-STAR (not tamperproof), T20
2543	3/8" Bit Socket, T-STAR (not tamperproof), T25
2544	3/8" Bit Socket, T-STAR (not tamperproof), T27
2545	3/8" Bit Socket, T-STAR (not tamperproof), T30
2546	3/8" Bit Socket, T-STAR (not tamperproof), T40
2547	3/8" Bit Socket, T-STAR (not tamperproof), T45
2548	3/8" Bit Socket, T-STAR (not tamperproof), T50
2549	3/8" Bit Socket, T-STAR (not tamperproof), T55



3/8" Bit Sockets, T-STAR (tamperproof)

10 ◘ 3/8

- satin chrome plated, knurled

PRO+ CV

Item #	Description
2571	3/8" Bit Socket, T-STAR (tamperproof), T20
2572	3/8" Bit Socket, T-STAR (tamperproof), T25
2573	3/8" Bit Socket, T-STAR (tamperproof), T27
2574	3/8" Bit Socket, T-STAR (tamperproof), T30
2575	3/8" Bit Socket, T-STAR (tamperproof), T40
2597	3/8" Bit Socket, T-STAR (tamperproof), T45
2598	3/8" Bit Socket, T-STAR (tamperproof), T50
2599	3/8" Bit Socket, T-STAR (tamperproof), T55



3/8" Bit Sockets, Spline

10 ◘ 3/8

- 90 mm long

PRO+ CV

Item #	Description
2585	3/8" Bit Socket, Spline, 8 mm
2587	3/8" Bit Socket, Spline, 12 mm



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



1/2" Bit Sockets, Internal Hexagon, 53 mm long

12.5 ▣ ½

- satin chrome plated, knurled

PRO+ CV

Item #	Description
4250	1/2" Bit Socket, int. hexagon, 53 mm long, 4 mm
4251	1/2" Bit Socket, int. hexagon, 53 mm long, 5 mm
4252	1/2" Bit Socket, int. hexagon, 53 mm long, 6 mm
4253	1/2" Bit Socket, int. hexagon, 53 mm long, 7 mm
4254	1/2" Bit Socket, int. hexagon, 53 mm long, 8 mm
4255	1/2" Bit Socket, int. hexagon, 53 mm long, 10 mm
4256	1/2" Bit Socket, int. hexagon, 53 mm long, 12 mm
4257	1/2" Bit Socket, int. hexagon, 53 mm long, 14 mm
4293	1/2" Bit Socket, Internal Hexagon, 53 mm long, 17 mm
4294	1/2" Bit Socket, Internal Hexagon, 53 mm long, 19 mm



1/2" Bit Sockets, Special Sizes, Internal Hexagon

12.5 ▣ ½

- satin chrome plated

PRO+ CV

Item #	Description
5184-H7	1/2" Bit Socket, int. hex., 7x230 mm
5184-H10	1/2" Bit Socket, int. hex., 10x140 mm
5184-H11	1/2" Bit Socket, int. hex., 11x140 mm
5184-H13	1/2" Bit Socket, int. hex., 13x140 mm
5184-H17	1/2" Bit Socket, int. hex., 17x55 mm
5184-H19	1/2" Bit Socket, int. hex., 19x55 mm
5184-H22	1/2" Bit Socket, int. hex., 22x55 mm
5184-H24	1/2" Bit Socket, int. hex., 24x55 mm
4295	1/2" Bit Socket, Internal Hexagon, 70 mm long, 22 mm



1/2" Internal Hexagon Bit Sockets, 100 mm long

12.5 ▣ ½

- satin chrome plated, knurled

PRO+ CV

Item #	Description
4259	1/2" Int. hex. Bit Socket, 100 mm long, 4 mm
4260	1/2" Int. hex. Bit Socket, 100 mm long, 5 mm
4261	1/2" Int. hex. Bit Socket, 100 mm long, 6 mm
4262	1/2" Int. hex. Bit Socket, 100 mm long, 7 mm
4263	1/2" Int. hex. Bit Socket, 100 mm long, 8 mm
4264	1/2" Int. hex. Bit Socket, 100 mm long, 10 mm
4265	1/2" Int. hex. Bit Socket, 100 mm long, 12 mm



1/2" Impact Bit Sockets, Internal Hexagon

12.5 ½

-black finish



PRO+ CV

Item #	Description
4286	1/2" Impact Bit-Socket, int. hex., 6x100 mm
4288	1/2" Impact Bit-Socket, int. hex., 8x100 mm

1/2" special Bit Sockets for Internal Hexagon Screws

12.5 ½

- satin chrome plated, knurled
- 5x240: for oil sump, motor, detonation sensor
- 6x240: for oil sump, motor, detonation sensor
- 7x140: universal use, for brake caliper etc.
- 8x240: for oil sump, motor, detonation sensor
- 10x140: for cylinder head bolt Mazda, Daimler, Toyota, Seat, Nissan, Renault



PRO+ CV

Item #	Description
4215	1/2" Bit-Socket for int. hex. Screws, 5x240
4216	1/2" Bit-Socket for int. hex. Screws, 6x240
4217	1/2" Bit-Socket for int. hex. Screws, 7x140
4218	1/2" Bit-Socket for int. hex. Screws, 8x240
4220	1/2" Bit-Socket for int. hex. Screws, 10x140

1/2" Bit Socket, Internal Hexagon, 5x160 mm, Ball end finish

12.5 ½

- satin chrome plated



Item #
5184-HB5

PRO+ CV

1/2" Bit Sockets, T-STAR, not tamperproof, 53 mm long

12.5 ½

- satin chrome plated, knurled
- not tamperproof



PRO+ CV

Item #	Description
4368	1/2" Bit Socket, T-STAR, not tamperproof, 53 mm long, T15
4369	1/2" Bit Socket, T-STAR, not tamperproof, 53 mm long, T20
4370	1/2" Bit Socket, T-STAR, not tamperproof, 53 mm l0ng, T25
4367	1/2" Bit Socket, T-STAR, not tamperproof, 53 mm long, T27
4371	1/2" Bit Socket, T-STAR, not tamperproof, 53 mm lang, T30
4372	1/2" Bit Socket, T-STAR, not tamperproof, 53 mm long, T40
4373	1/2" Bit Socket, T-STAR, not tamperproof, 53 mm long, T45
4374	1/2" Bit Socket, T-STAR, not tamperproof, 53 mm long, T50
4375	1/2" Bit Socket, T-STAR, not tamperproof, 53 mm lang, T55

1/2" Bit Sockets, tamperproof

12.5 ½

- satin chrome plated, knurled

PRO+ CV

Item #	Description
4376	1/2" Bit-Socket, tamperproof, T60
4377	1/2" Bit-Socket, tamperproof, T70



1/2" Impact Bit Sockets, T STAR, 53 mm long

12.5 ½

-black finish
- not tamperproof

PRO+ CV

Item #	Description
5369	1/2" Impact Bit-Socket, T STAR, T20
5370	1/2" Impact Bit-Socket, T STAR, T25
5367	1/2" Impact Bit-Socket, T STAR, T27
5371	1/2" Impact Bit-Socket, T STAR, T30
5372	1/2" Impact Bit-Socket, T STAR, T40
5373	1/2" Impact Bit-Socket, T STAR, T45
5374	1/2" Impact Bit-Socket, T STAR, T50
5375	1/2" Impact Bit-Socket, T STAR, T55



1/2" Bit Sockets, T-STAR, not tamperproof, 100 mm long

12.5 ½

- satin chrome plated
- knurled

PRO+ CV

Item #	Description
4468	1/2" Bit Socket, T-STAR, not tamperproof, 100 mm long, T15
4469	1/2" Bit Socket, T-STAR, not tamperproof, 100 mm long, T20
4470	1/2" Bit Socket, T-STAR, not tamperproof, 100 mm long, T25
4467	1/2" Bit Socket, T-STAR, not tamperproof, 100 mm long, T27
4471	1/2" Bit Socket, T-STAR, not tamperproof, 100 mm long, T30
4472	1/2" Bit Socket, T-STAR, not tamperproof, 100 mm long, T40
4473	1/2" Bit Socket, T-STAR, not tamperproof, 100 mm long, T45
4474	1/2" Bit Socket, T-STAR, not tamperproof, 100 mm lang, T50
4475	1/2" Bit Socket, T-STAR, not tamperproof, 100 mm long, T55
4476	1/2" Bit Socket, T-STAR, not tamperproof, 100 mm long, T60
4477	1/2" Bit Socket, T-STAR, not tamperproof, 100 mm long, T70



1/2" Bit Socket, T-STAR, T55x140

12.5 ½

- extra long, 140 mm
- satin chrome plated
- T 55x140: cylinder head bolt Opel, Ford, Renault

Item #
4211

PRO+ CV



1/2" Bit Socket, T-STAR, T70x120

12.5 ½

- extra long, 120 mm
- satin chrome plated
- T 70x120: cylinder head bolt Nissan, Toyota, Mazda, Ford

Item #
4212

PRO+ CV



1/2" Impact Bit Sockets, T-STAR, 100 mm long

12.5 ½

- black finish
- long finish 100 mm
- not tamperproof

PRO+ CV

Item #	Description
5469	1/2" Impact Bit Socket, T-STAR, 100 mm long, T20
5470	1/2" Impact Bit Socket, T-STAR, 100 mm long, T25
5467	1/2" Impact Bit Socket, T-STAR, 100 mm long, T27
5471	1/2" Impact Bit Socket, T-STAR, 100 mm long, T30
5472	1/2" Impact Bit Socket, T-STAR, 100 mm long, T40
5473	1/2" Impact Bit Socket, T-STAR, 100 mm long, T45
5474	1/2" Impact Bit Socket, T-STAR, 100 mm long, T50
5475	1/2" Impact Bit Socket, T-STAR, 100 mm long, T55



1/2" Bit Sockets, Special Sizes, T-STAR

12.5 ½

- satin chrome plated

PRO+ CV

Item #	Description
5184-T40	1/2" Bit Socket, T-STAR, T40x140 mm
5184-T45	1/2" Bit Socket, T-STAR, T45x140 mm
5184-T50	1/2" Bit Socket, T-STAR, T50x140 mm
5184-T55	1/2" Bit Socket, T-STAR, T55x140 mm
5184-T60	1/2" Bit Socket, T-STAR, T60x140 mm
5184-T70	1/2" Bit Socket, T-STAR, T70x140 mm



1/2" Bit Socket T-STAR, tamperproof, T30x300 mm

12.5 ½

- satin chrome plated

Item #
5184-TB30

PRO+ CV



1/2" Bit Socket, T-STAR, tamperproof, T80x100 mm

12.5 ½

- satin chrome plated

Item #
5184-TB80

PRO+ CV



1/2" Bit Sockets, Spline Sockets (XZN), 53 mm long

12.5 ½

- satin chrome plated, knurled

PRO+ CV

Item #	Description
4350	1/2" Bit Socket, Spline Sockets (XZN), 53 mm long, M5
4351	1/2" Bit Socket, Spline Sockets (XZN), 53 mm long, M6
4352	1/2" Bit Socket, Spline Sockets (XZN), 53 mm long, M8
4353	1/2" Bit Socket, Spline Sockets (XZN), 53 mm long, M10
4354	1/2" Bit Socket, Spline Sockets (XZN), 53 mm lang, M12



1/2" Spline Bit Socket, 53 mm long, M7

12.5 ½

- satin chrome plated, knurled
- special size for seat construction of SEAT brand cars

Item #
4355

PRO+ CV



1/2" Bit Sockets, Spline Sockets (XZN), 100 mm long

12.5 ½

- satin chrome plated, knurled

PRO+ CV

Item #	Description
4359	1/2" Bit Socket, Spline Sockets (XZN), 100 mm long, M5
4360	1/2" Bit Socket, Spline Sockets (XZN), 100 mm long, M6
4361	1/2" Bit Socket, Spline Sockets (XZN), 100 mm long, M8
4362	1/2" Bit Socket, Spline Sockets (XZN), 100 mm long, M10
4363	1/2" Bit Socket, Spline Sockets (XZN), 100 mm long, M12
4364	1/2" Bit Socket, Spline Sockets (XZN), 100 mm long, M14



1/2" Bit Sockets, Special Sizes, Spline (XZN)

12.5 ½

- satin chrome plated

PRO+ CV

Item #	Description
5184-M9	1/2" Bit Socket, spline (XZN), M9x100 mm
5184-M10	1/2" Bit Socket, spline (XZN), M10x140 mm
5184-M12	1/2" Bit Socket, spline (XZN), M12x140 mm
5184-M14	1/2" Bit Socket, spline (XZN), M14x140 mm



1/2" Special Bit Sockets, Spline (XZN)

12.5 ½

- extra long for spline screws
- length 800mm
- for assembling drive shaft screws
- especially for VW, Audi



PRO+ CV

Item #	Description
4227	1/2" Special Bit-Socket, spline (XZN) M8x800 mm
4228	1/2" Special Bit-Socket, spline (XZN) M10x800 mm
4229	1/2" Special Bit Socket, spline (XZN) M12x800 mm
4233	1/2" Special Bit Socket, spline (XZN) M14x800 mm

1/2" Impact Bit Sockets, Spline

12.5 ½

-black finish



PRO+ CV

Item #	Description
4358	1/2" Impact Bit Socket, spline, M8x8x110 mm
4462	1/2" Impact Bit Socket, spline, M10x10x100 mm
4463	1/2" Impact Bit Socket, spline, M12x10x140 mm

Bit Sockets, XZN tamperproof, 1/2"

12.5 ½

- satin chrome finish
- knurled



PRO+ CV

Item #	Description
4356	Bit Socket, XZN tamperproof M16x58 mm, 1/2"
4357	XZN Bit Socket, tamperproof, M 16x100 mm, 1/2"

1/2" Bit Socket, Spline Sockets (XZN), 100 mm, tamperproof, M18

12.5 ½

- 100 mm long



Item #
4365

PRO+ CV

1/2" Bit Sockets, Special Sizes, Ribe

12.5 ▪ ½

- satin chrome plated

PRO+ CV

Item #	Description
5184-R7	1/2" Bit Socket, Ribe, R7x240 mm
5184-R8	1/2" Bit Socket, Ribe, R8x240 mm
5184-R9	1/2" Bit Socket, Ribe, R9x100 mm
5184-R10	1/2" Bit Socket, Ribe, R10x140 mm



1/2" Ribe Bit Socket M8x240

12.5 ▪ ½

- satin chrome plated
- M8x240: oil sump, transmission Fiat, Lancia, Alfa Romeo

Item #
4231

PRO+ CV



1/2" Ribe Bit Socket M10.3x120

12.5 ▪ ½

- satin chrome plated
- M10,3x120: cylinder head bolts VAG since 11/96

Item #
4232

PRO+ CV



1/2" Spline Bit Socket XZN M12x140

12.5 ▪ ½

- satin chrome plated
- M12x140: cylinder head bolt Mercedes Benz 6/8/12-cylinder

Item #
4226

PRO+ CV



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
- size: for VW, Audi, Skoda, Seat, Porsche, BMW, Ford, Mercedes
- 33 tooth pulley holder

Item #
4245

PRO+ CV



1/2" Impact Bit Socket, Spline (XZN), M18x78 mm

12.5 ½

Item #
5184-M18

PRO+ CV



9-piece Bit Socket Set TS / Five Star, 1/4"

6.3 ¼

- TS-10-15-20-25-27-30-40-45-50
- tamperproof
- for sticking pumps in MB Atego, Actros and Rover anti-theft device
- on socket rail, additionally packed in plastic case

Item #
2355

PRO+



27-piece Socket Set for T STAR, 1/4"

6.3 ¼

- 1 T-handle for ¼" sockets,
- 1 bit-adaptor
- 7 T STAR sockets E 4-5-6-7-8-10-11
- 6 T STAR L-type wrenches: T10-15-20-25-30-40
- 5 "flag"-wrenches for T STAR: T5-6-7-8-9
- 7 tamperproof security bits ¼": T10-15-20-25-27-30-40

Item #
2270

PRO+ CV



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



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 secur socket holding

Item #
5021

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
- incl. socket rail

Item #
5104

PRO+ ZOLL/SAE



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

10 ◘ 3/8

- satin chrome plated, knurled
- Incl. socket rail

includes sizes:
- 1/4" drive: M4-M5-M6
- 3/8" drive: M8-10-12
- 1/2" drive: M-14-16

Item #
5105

PRO+ CV



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

10 ◘ 3/8

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

Item #
5107

PRO+ CV



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

10 ◘ 3/8

- sizes: T15-20-25-30-40-45-50 (not tamperproof)
- supplied on socket rail

Item #
5108

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



Item #
4258

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

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

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



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)
- generally suitable for the assembly of cylinder head bolts in Ford, BMW, Citroen, Renault, Audi, Mercedes)

Packed in blow mould case



Item #
5103

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)

PRO+

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
5184-H13	H13 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

diverse special bit-sockets

Item #	Description
4356	12.5 (1/2) Spline bit-socket M 16x55 mm, tamperproof
4357	12.5 (1/2) Spline bit-socket M 16x100 mm
5184-M18	12.5 (1/2) Spline Impact-Bit-Socket, M18x78 mm
5184-TB80	12.5 (1/2) T-Star bit-socket T80x100 mm, tamperproof
5184-TB30	12.5 (1/2) T-Star bit-socket T30x300 mm, tamperproof
5184-HB5	12.5 (1/2) int. hex. bit-socket 5x160 mm, ball end finish



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

12.5 ½

- short bits S2-Steel
- 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
- 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
- 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
- length: 55, 100, 140, 200 mm
- M5-M14

Item #
5183

PRO+ CV



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



Item #
5380

PRO+ CRO MO

9-piece 1/2" Impact Spline Bit Socket Set M4-M18

12.5 ■ ½

- sizes: M4, M5, M6, M8, M10, M12, M14, M16, M18
- suitable for impact wrenches
- in strong metal box with foam tray
- length: 78 mm



Item #
6000

PRO+ CRO MO

9-piece 1/2" Impact Bit Socket Set, T-Star T20-T60

12.5 ■ ½

- sizes: T20, T25, T27, T30, T40, T45, T50, T55 and T60 (not tamperproof)
- suitable for impact wrenches
- in strong metal box with foam tray
- length: 78 mm



Item #
6001

PRO+ CRO MO

9-piece 1/2" Impact Bit Socket Set, Internal Hexagon 4-19 mm 1/2"

12.5 ■ ½

- sizes: 4, 5, 6, 8, 10, 12, 14, 17 und 19 mm
- suitable for impact wrenches
- in strong metal box with foam tray
- length: 78 mm



Item #
6002

PRO+ CRO MO

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

12.5 ■ ½

- for use with impact wrenches
- 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

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

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

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

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

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

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

PRO+ CV

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"



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

Item #
5054

PRO+ CRO MO



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"

Stubby Ratchets

- extra small size
- for narrow and tight spaces
- fine 72 tooth
- with quick release button



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

Reversible Ratchets

- with quick release button and eye
- 2-component rubber handle



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



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



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

Nylon Fibreglass Ratchets

- convenient use through extra lightweight material - no fatigue limit
- DIN-limits for max. capacitance were distinctively exeeded by testing this tool!



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

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

Flexible Head Ratchets, adjustable

- satin chrome plated
- securely adjustable in 5 positions
- 45 tooth
- with quick release button
- handle with eye



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

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 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



PRO+ CV

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"

Extendable Ratchets

- fine 72 tooth
- adjustable in 6 positions
- with quick release button



CV

Item #	Description
25101	Extendable Ratchet, 1/4", 190-250 mm
25102	Extendable Ratchet, 1/2", 305-445 mm

Repair Kit for Ratchet Art. 2510x

- this repair set includes all wear parts for the ratchets
- includes: 2x screws, shift lever, gear ring with 4-pt drive, 2x locking gear segments, 2x springs, spring washer and locking plate



Item #
P25101-REPAIR

PRO+

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



PRO+ CV

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

Reversible Ratchets

- ABS-handle
- with quick release button



PRO+ CV

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

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" Reversible Ratchet, extra long

12.5 ½

- fine 72 tooth
- 380 mm long



Item #
324

PRO+ CV

1/4" Ratchet "Maxigrip"

6.3 ¼

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



Item #
223

PRO

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+



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

12.5 ◘ 1/2

- satin chrome plated
- without square head

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" T-Handle Flexible Joint Ratchet

6.3 ◘ 1/4

- chrome plated
- length 450 mm

Item #
2126

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+ CV



3/4" Reversible Ratchet, 500 mm

20 ◘ 3/4

- 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



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

20 ◘ ¾

- wide knurled handle

Item #
211

PRO+ CV



1" Reversible Ratchet, 675 mm

25 ◘ 1

Item #
300

PRO+ CRO MO 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



Scaffolding Ratchets

- reversible
- forged shaft

PRO+ CV

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



Ratchet Repair Kits

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

Item #	Description
176	Ratchet Repair Kit, suitable for 72 Tooth Models, 1/4" dr.
177	Ratchet Repair Kit, suitable for 72 Tooth Models, 3/8" dr.
178	Ratchet Repair Kit, suitable for 72 Tooth Models, 1/2" dr.
179	Ratchet Repair Kit, suitable for 227
180	Ratchet Repair Kit, suitable for 2304
182	Ratchet Repair Kit, suitable for 302
183	Ratchet Repair Kit, suitable for 303
184	Ratchet Repair Kit, suitable for 304
355-Repair	Ratchet Repair Kit, suitable for 355
356-Repair	Ratchet Repair Kit, suitable for 356
357-Repair	Ratchet Repair Kit, suitable for 357
25101-REPAIR	Repair Kit for 1/4" Ratchet Art. 25101
25102-REPAIR	Repair Kit for 1/2" Ratchet Art. 25102



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

6.3 ¼

- with 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



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

6.3 ¼

Item #
239

PRO+ CV



Flexible Screwdriver, 1/4" Square Head

6.3 ¼

- length 275 mm

Item #
7825

PRO+



1/4" Extension Bars

6.3 ◘ 1/4

- satin chrome plated
- knurled

PRO+ CV

Item #	Description
2336	1/4" Extension Bar, 50 mm
2337	1/4" Extension Bar, 50 mm, incl. hex.
2335	1/4" Extension Bar, 100 mm, incl. hex.
2338	1/4" Extension Bar, 150 mm
2210	1/4" Extension Bar, 300 mm
2211	1/4" Extension Bar, 500 mm



1/4" "Wobble" Extension Bars

6.3 ◘ 1/4

- "Wobble"-finish
- knurled
- satin chrome plated

PRO+ CV

Item #	Description
2232	1/4" "Wobble" - Extension Bar, 50 mm
2231	1/4" "Wobble" - Extension Bar, 100 mm
2220	1/4" "Wobble" - Extension Bar, 150 mm
2219	1/4" "Wobble" - Extension Bar, 250 mm



3/8" Extension Bars

10 ◘ 3/8

- satin chrome plated
- knurled

PRO+ CV

Item #	Description
296	3/8" Extension Bar, 40 mm, satin chrome plated, hexagon
294	3/8" Extension Bar, 75 mm, satin chrome plated
295	3/8" Extension Bar, 150 mm, satin chrome plated
297	3/8" Extension Bar, 75 mm, satin chrome plated, hexagon
298	3/8" Extension Bar, 150 mm, satin chrome plated, hexagon



3/8" "Wobble" Extension Bars

10 ◘ 3/8

- satin chrome plated
- knurled

PRO+ CV

Item #	Description
242	3/8" "Wobble" Extension Bar, 75 mm
243	3/8" "Wobble" Extension Bar, 150 mm
246	3/8" "Wobble" Extension Bar, 125 mm
244	3/8" "Wobble" Extension Bar, 230 mm
247	3/8" "Wobble" Extension Bar, 450 mm



1/2" Extension Bars

12.5 ½

- satin chrome plated
- knurled
- item 236 and 3121 on hanger

PRO+

Item #	Description
236	1/2" Extension Bar, satin chrome plated, 75 mm
3120	1/2" Extension Bar, satin chrome plated, 125 mm
3121	1/2" Extension Bar, satin chrome plated, 250 mm



1/2" "Wobble" Extension Bars, satin chrome plated

12.5 ½

- satin chrome plated
- knurled

PRO+ CV

Item #	Description
233	1/2" "Wobble" Extension Bar, satin chrome plated, 50 mm
234	1/2" "Wobble" Extension Bar, satin chrome plated, 125 mm
235	1/2" "Wobble" Extension Bar, satin chrome plated, 250 mm
248	1/2" "Wobble" Extension Bar, satin chrome plated, 375 mm
249	1/2" "Wobble" Extension Bar, satin chrome plated, 500 mm



3/4" Extension Bars

20 ¾

- satin chrome plated

PRO+ CV

Item #	Description
264	3/4" Extension Bar, 100 mm
266	3/4" Extension Bar, 200 mm
268	3/4" Extension Bar, 400 mm



1" Extension Bars

- satin chrome plated

PRO+ CV

Item #	Description
372	1" Extension Bar, 200 mm
374	1" Extension Bar, 400 mm



3-piece 1/4" Wobble" Extension Bar Set, 75-150-250 mm

- chrome vanadium steel
- satin chrome finish, knurled

Item #
2233

PRO+



Extension Bar Set, 375-450-600 mm, 3/8"

10 ◘ 3/8

- **carbon steel**
- mirror polished



Item #
2236

PRO

3/8" "Wobble" Extension Bar Set, 75-150-250 mm

10 ◘ 3/8

- satin chrome plated
- knurled



Item #
2239

PRO+ CV

Extension Bar Set, 450-600-750 mm, 1/2"

12.5 ◘ 1/2

- **carbon steel**
- mirror polished



Item #
2237

PRO

1/2" "Wobble" Extension Bar Set, 50-125-250 mm

12.5 ◘ 1/2

- satin chrome plated
- knurled
- The advantages of the well known "wobble system" in a new constellation



Item #
2240

PRO+ CV

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

In blow mould case



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, 150 mm

6.3 ◘ ¼

Item #
2320

PRO CV



1/4" Flexible Extension Bar, 450 mm

6.3 ◘ ¼

Item #
2321

PRO CV



LED Extension Bar, 1/2", Length 75 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 ½

- 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



Item #
191

PRO+ CRO MO

1/2" Impact Extension Bars

12.5 ½

- black finish
- incl. retaining ball

(not adjustable by using a pin and an O-ring)

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 Handles

- chrome plated
- square head, black

PRO+ CV



Item #	Description
265	Flexible Handle 280 mm, 1/2"
265-Repair	Repair Set for Item 265, joint with square
267	Flexible Handle 610 mm, 1/2"
267-Repair	Repair Set for Item 267, joint with square
283	Flexible Handle 630 mm, 3/4"

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

- length: 620 mm



Item #
228

PRO+ CV

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 ■ ½

- 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 Tee Bars, 1/4" - 3/8" - 1/2" - 3/4"

- satin chrome plated

PRO+ CV



Item #	Description
276	Sliding Tee Bar, satin chrome plated, 1/4"
277	Sliding Tee Bar, satin chrome plated, 3/8"
278	Sliding Tee Bar, satin chrome plated, 1/2"
263	Sliding Tee Bar, satin chrome plated, 3/4"

Sliding Adaptors for Extension Bars

- satin chrome plated

PRO+ CV



Item #	Description
288	Sliding Adaptor for 3/8" ext. Bars, 1/2" int. x 3/8" ext.
289	Sliding Adaptor for 1/2" ext. Bars, 3/8" int. x 1/2" ext.

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"

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

- chrome plated



Item #
252

PRO+ CV

1/2" Impact Ball Joint

12.5 ■ ½

- black finish
- 1/2" int. x 1/2" ext.
- height 70 mm
- incl. retaining ball

(not adjustable by using a pin and an O-ring)

Item #
190

PRO+ CRO MO



3/4" Impact Ball Joint

- black finish
- 3/4" int. x 3/4" ext.

Item #
197

PRO+ CRO MO



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, specifically 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 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

CV

Adaptors

- satin chrome plated

PRO+ CV

Item #	Description
269	Adaptor, satin chrome plated, 1/4" ext. - 3/8" int.
270	Adaptor, satin chrome plated, 3/8" ext. - 1/2" int.
271	Adaptor, satin chrome plated, 3/8" ext. - 1/4" int.
272	Adaptor, satin chrome plated, 3/4" ext. - 1/2" int.
274	Adaptor, satin chrome plated, 1/2" ext. - 3/4" int.
280	Adaptor, satin chrome plated, 1/2" ext. - 3/8" int.



Impact Adaptors

- black phosphate finish
- with groove and hole for retaining ring

PRO+ CRO MO

Item #	Description
195	Impact-Adaptor , 3/4" int. - 1" ext.
196	Impact-Adaptor , 1" int. - 3/4" ext.
275	Impact-Adaptor, 3/4" int. - 1/2" ext.
279	Impact-Adaptor, 1/2" int. - 3/4" ext.
171	Impact Wrench Adaptor, 3/8" int. - 1/4" ext.
172	Impact Wrench Adaptor, 1/4" int. - 3/8" ext.
173	Impact Wrench Adaptor, 1/2" int. - 3/8" ext.
174	Impact Wrench Adaptor, 3/4" int. - 1/2" ext.



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 - 15 Clips, 3/4"



Combination Spanners, Deep Offset Ring

- deep offset ring end
- satin chrome plated, ring and open end polished
- according to DIN 3113 ISO 3318, Form B

PRO+ CV

Item #	Description
30106	Combination Spanner, Offset Ring, 6 mm
30107	Combination Spanner, Offset Ring, 7 mm
30108	Combination Spanner, Offset Ring, 8 mm
30109	Combination Spanner, Offset Ring, 9 mm
30110	Combination Spanner, Offset Ring, 10 mm
30111	Combination Spanner, Offset Ring, 11 mm
30112	Combination Spanner, Offset Ring, 12 mm
30113	Combination Spanner, Offset Ring, 13 mm
30114	Combination Spanner, Offset Ring, 14 mm
30115	Combination Spanner, Offset Ring, 15 mm
30116	Combination Spanner, Offset Ring, 16 mm
30117	Combination Spanner, Offset Ring, 17 mm
30118	Combination Spanner, Offset Ring, 18 mm
30119	Combination Spanner, Offset Ring, 19 mm
30120	Combination Spanner, Offset Ring, 20 mm
30121	Combination Spanner, Offset Ring, 21 mm
30122	Combination Spanner, Offset Ring, 22 mm
30123	Combination Spanner, Offset Ring, 23 mm
30124	Combination Spanner, Offset Ring, 24 mm
30125	Combination Spanner, Offset Ring, 25 mm
30126	Combination Spanner, Offset Ring, 26 mm
30127	Combination Spanner, Offset Ring, 27 mm
30128	Combination Spanner, Offset Ring, 28 mm
30129	Combination Spanner, Offset Ring, 29 mm
30130	Combination Spanner, Offset Ring, 30 mm
30132	Combination Spanner, Offset Ring, 32 mm



Combination Spanners

- chrome plated
- in accordance with DIN 3113A

PRO+ CV

Item #	Description
1056	Combination Spanner, 6 mm
1057	Combination Spanner, 7 mm
1058	Combination Spanner, 8 mm
1059	Combination Spanner, 9 mm
1060	Combination Spanner, 10 mm
1061	Combination Spanner, 11 mm
1062	Combination Spanner, 12 mm
1063	Combination Spanner, 13 mm
1064	Combination Spanner, 14 mm
1065	Combination Spanner, 15 mm
1066	Combination Spanner, 16 mm
1067	Combination Spanner, 17 mm
1068	Combination Spanner, 18 mm
1069	Combination Spanner, 19 mm
1070	Combination Spanner, 20 mm
1071	Combination Spanner, 21 mm
1072	Combination Spanner, 22 mm
1074	Combination Spanner, 24 mm
1075	Combination Spanner, 25 mm
1076	Combination Spanner, 26 mm
1077	Combination Spanner, 27 mm
1080	Combination Spanner, 30 mm
1082	Combination Spanner, 32 mm
1084	Combination Spanner, 34 mm
1086	Combination Spanner, 36 mm
1088	Combination Spanner, 38 mm
1091	Combination Spanner, 41 mm
1096	Combination Spanner, 46 mm
1100	Combination Spanner, 50 mm



8-piece Combination Spanner Set, 6-19 mm

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

Packed in a 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

Packed in a 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

Packed in a tetron wallet



Item #
1196

PRO+ CV

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

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



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

Packed in a tetron wallet

Item #
1188

PRO CV



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

- 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

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

Packed in a 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

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

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

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

14-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

Packed in a tetron wallet



Item #
1229

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

Packed in a tetron wallet



Item #
1228

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

Packed in a tetron wallet

Item #
30302

PRO+ CV



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

Packed in a tetron wallet

Item #
30301

PRO+ CV



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 XXL, 34 mm
1185-36	Combination Spanner XXL, 36 mm
1185-38	Combination Spanner XXL, 38 mm
1185-41	Combination Spanner XXL, 41 mm
1185-46	Combination Spanner XXL, 46 mm
1185-50	Combination Spanner XXL, 50 mm
1185-55	Combination Spanner XXL, 55 mm



19-piece "Gear Lock" Combination Spanner Set

- in accordance with DIN 3113A
- satin chrome finish
- the special "GearLock profile" at the ring end provides universal use of hex., double hex., T-STAR, metric and inch sizes
- 8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-24-27-30-32 mm



Item #
2154

PRO+ ZOLL/SAE CV

50-piece Spanner Assortment, Inch + Metric Sizes

- satin chrome finish

- 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 "

Packed in a tetron wallet



Item #
32500

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"

Packed in a tetron wallet



Item #
32140

PRO ZOLL/SAE 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"

Packed in a tetron wallet



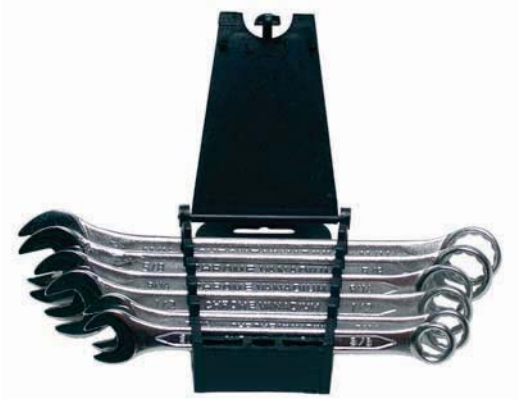
Item #
1195

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

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

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

Packed in a tetron wallet



Item #
1199

PRO+ CV

Deep Crank Double Ring Spanners, DIN 838

- hardened, chrome plated
- polished jaws

PRO+ CV

Item #	Description
1214-6x7	Deep Crank Double Ring Spanner, 6x7 mm
1214-8x9	Deep Crank Double Ring Spanner, 8x9 mm
1214-10x11	Deep Crank Double Ring Spanner, 10x11 mm
1214-12x13	Deep Crank Double Ring Spanner, 12x13 mm
1214-14x15	Deep Crank Double Ring Spanner, 14x15 mm
1214-16x17	Deep Crank Double Ring Spanner, 16x17 mm
1214-18x19	Deep Crank Double Ring Spanner, 18x19 mm
1214-20x22	Deep Crank Double Ring Spanner, 20x22 mm
1214-21x23	Deep Crank Double Ring Spanner, 21x23 mm
1214-24x27	Deep Crank Double Ring Spanner, 24x27 mm
1214-25x28	Deep Crank Double Ring Spanner, 25x28 mm
1214-30x32	Deep Crank Double Ring Spanner, 30x32 mm



Double Ring Spanners, 75° offset

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

PRO+ CV

Item #	Description
30206	Double Ring Spanner, 75° offset, 6x7 mm
30208	Double Ring Spanner, 75° offset, 8x9 mm
30210	Double Ring Spanner, 75° offset, 10x11 mm
30212	Double Ring Spanner, 75° offset, 12x13 mm
30214	Double Ring Spanner, 75° offset, 14x15 mm
30216	Double Ring Spanner, 75° offset, 16x17 mm
30218	Double Ring Spanner, 75° offset, 18x19 mm
30220	Double Ring Spanner, 75° offset, 20x22 mm
30221	Double Ring Spanner, 75° offset, 21x23 mm
30224	Double Ring Spanner, 75° offset, 24x27 mm
30230	Double Ring Spanner, 75° offset, 30x32 mm
30236	Double Ring Spanner, 75° offset, 36x41 mm



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
1186-10x11	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

- 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, 6x7-27x32 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 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

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

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

Packed in a tetron wallet



Item #
32105

PRO+ ZOLL/SAE CV

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, 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

6-piece Flat Ring Spanner Set, extra long, 10x11-22x24 mm

- 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)



Item #
1186

PRO+ CV

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

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

Packed in a tetron wallet



Item #
1215

PRO CV

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

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

Packed in a tetron wallet



Item #
1217

PRO CV

5-piece Obstruction Ring Spanner Set, Inch

- satin chrome plated
- 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
- 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
- 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

In deep drawn case

Item #
2268



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



Ring Spanners for E-Type Screws, loose

- satin chrome plated
- straight and flat

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



Double Open End Spanners

- hardened, chrome plated
- according to DIN 3110
- polished jaws

Item #	Description
1184-6x7	Double Open End Spanner 6x7 mm
1184-8x9	Double Open End Spanner 8x9 mm
1184-10x11	Double Open End Spanner 10x11 mm
1184-12x13	Double Open End Spanner 12x13 mm
1184-14x15	Double Open End Spanner 14x15 mm
1184-16x17	Double Open End Spanner 16x17 mm
1184-18x19	Double Open End Spanner 18x19 mm
1184-20x22	Double Open End Spanner 20x22 mm
1184-21x23	Double Open End Spanner 21x23 mm
1184-24x27	Double Open End Spanner 24x27 mm
1184-25x28	Double Open End Spanner 25x28 mm
1184-30x32	Double Open End Spanner 30x32 mm
1184-36x41	Double Open End Spanner 36x41 mm



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



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



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

6-piece Extra Flat Open End Spanner Set, 8x9-18x19 mm

- satin chrome plated
- sizes: 8x9, 10x11, 12x13, 14x15, 16x17, 18x19 mm
- thickness only 3 mm (respectivly 4 mm by 18x19 mm)



Item #
1172

PRO+ CROMO

Ratchet Wrenches

- satin chrome plated
- fine 72 tooth
- double hex.

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



Ratchet Wrenches, adjustable

- 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



Double Swivel Head Ratchet Wrenches

- extra long / with swivel heads:
  8x9 mm: 237 mm long, 10x11 mm: 294 mm long
  12x13 mm: 327 mm long, 14x15 mm:: 370 mm long
  16x18 mm: 409 mm long, 17x19 mm: 412 mm long
- also availalable as complete set under item# 1541

PRO+ CV

Item #	Description
1542	Double Swivel Head Ratchet Wrench, 8x19 mm
1543	Double Swivel Head Ratchet Wrench, 10x11 mm
1544	Double Swivel Head Ratchet Wrench, 12x13 mm
1545	Double Swivel Head Ratchet Wrench, 14x15 mm
1546	Double Swivel Head Ratchet Wrench, 16x18 mm
1547	Double Swivel Head Ratchet Wrench, 17x19 mm



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
2244-14x18	E-Type Ratchet Wrench, E14xE18
2244-20x24	E-Type Ratchet Wrench, E20xE24



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

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

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

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

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

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"

- 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

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 E-Type Double Ended Ratchet Wrench Set

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

Item #
2244

PRO+ CV



7-piece Adaptor Set for Ratchet Wrenches

- 4 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),
  3/4" square (fits 32 mm ratchet wrenches),
- with quick-release button
- can substitute 3 ratchet handles if used with ratchet wrenches
- 3 bit adaptors:
  for 1/4" bits (fits 10 mm ratchet wrenches),
  for 8 mm bits (fits 13 mm ratchet wrenches),
  for 10mm bits (fits 19 mm ratchet wrenches),
- mirror polished

Item #
8211

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



Ratchet Wrench Adaptors

PRO+ CV

Item #	Description
8205	Single Ratchet Wrench Adaptor, 1/4", 10 mm
8206	Single Ratchet Wrench Adaptor, 3/8", 13 mm
8207	Single Ratchet Wrench Adaptor, 1/2", 19 mm



Flare Nut Wrenches

- hexagon
- chrome plated
- offset at 15°

PRO+ CV

Item #	Description
1750	Flare-Nut Wrench 10x11 mm
1751	Flare-Nut Wrench 12x13 mm
1752	Flare-Nut Wrench 15x17 mm



Open Nut Spanners

- satin chrome plated

PRO+ CV

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



Flare Nut Wrenches, 2-piece Set, 10x11+12x13 mm

- chrome plated
- hex.
- # 1750 and # 1751
  10x11 mm + 12x13 mm

Item #
1755

PRO+ CV



6-piece Open Nut Spanner Set

- 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 leather wallet

Item #
1761

PRO+ CV



6-piece Flare Nut Spanner Set, cropped

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

In tetron wallet

Item #
1745

PRO CV



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



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



6-piece Flexible Brake Spanner Set, Inch Sizes

- with flexible ends - continously adjustable
- SAE sizes 1/4" x 15/16" - 3/8" x 7/16" - 1/2" x 9/16" 5/8" x 11/16" - 3/4" x 13/16" - 7/8" x 15/16"

In plastic holder



Item #
30400

PRO+ ZOLL/SAE 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
- very small self centering effect

PRO+ CV

Item #	Description
1485	Gearless Ratchet Wrench, 8 mm
1489	Gearless Ratchet Wrench, 9 mm
1490	Gearless Ratchet Wrench, 10 mm
1491	Gearless Ratchet Wrench, 11 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
1499	Gearless Ratchet Wrench, 19 mm



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

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

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

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



8-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



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+ CRO MO



Crowfoot Spanners

12.5 ■ 1/2

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

PRO+ CRO MO

Item #	Description
1757-20	20 mm Crowfoot Spanner
1757-21	21 mm Crowfoot Spanner
1757-22	22 mm Crowfoot Spanner
1757-23	23 mm Crowfoot Spanner
1757-24	24 mm Crowfoot Spanner
1757-25	25 mm Crowfoot Spanner
1757-26	26 mm Crowfoot Spanner
1757-27	27 mm Crowfoot Spanner
1757-28	28 mm Crowfoot Spanner
1757-30	30 mm Crowfoot Spanner
1757-32	32 mm Crowfoot Spanner



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+



8-piece 3/8" Crow Foot Spanner Set, 3/8" - 7/8"

10 ■ 3/8

- chrome plated
- on socket rail
- 3/8"-7/16"-1/2"-9/16"-5/8"-11/16"-3/4"-7/8"

Item #
1758

PRO+ ZOLL/SAE



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"



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"

Holders for Combination Spanners

- manufactured from black plastic
- wall fastening



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 Set, extra long, 1.5-10 mm

- combines ball head/straight key
- 1,5-2-2,5-3-4-5-6-8-10 mm

Supplied in a practical plastic holder

Item #
790

PRO+ CV



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

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

Supplied in a practical holder

Item #
799

PRO+ ZOLL/SAE CV



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

- long arm: ball head
- short arm: normal
- long type

Supplied in a 3-way holder (as displayed)

Item #
802

PRO+ CV



8-piece Internal Hexagon Key Set, 2-10 mm, extra long

- 2 - 10 mm
- extra long
- long side with ball end

Item #
801

PRO+ CV



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

- short type
- premium quality

Supplied as displayed

Item #
807

PRO+ CV



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

- straight ends
- 1,5-2-2,5-3-4-5-6-8-10 mm

Supplied in a practical plastic holder

Item #
808



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
- with belt clip

Item #
35100



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

Item #
35120



8-piece Internal Hexagon Key Set, on a Ring, 2-10 mm

- nickel plated

Item #
7842



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

In a blow mould carrying case

Item #
795

PRO+ 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"

Supplied in a handy folding case

Item #
810

PRO ZOLL/SAE CV



7-piece Internal Hexagon Pocket Key Set "Professional", 2.5-10 mm

- hardened
- 2,5-3-4-5-6-8-10 mm

Item #
787

CV



8-piece Internal Hexagon Pocket Key Set with Ball Head "Profi"

- hardened
- 2,5-3-4-5-6-7-8-10 mm

Item #
789

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

- black blades
- 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

Packed in blow mould carrying case

Item #
7882

PRO CV

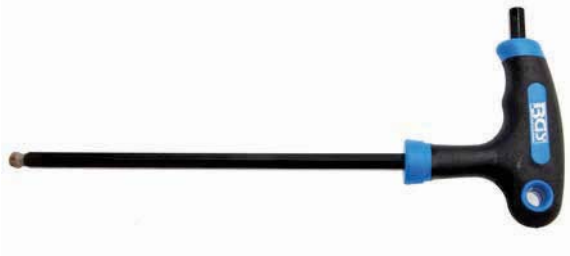


T-Handle Wrench for Internal Hexagon Screws

- black finished
- long end in ball end finish
- 2-component handles

PRO 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

PRO 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

PRO ZOLL/SAE 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, tamperproof on the long Arm, T10-50

- long type
- black tips
- T10-T50

Supplied in a clip holder



Item #
794

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, tamperproof, T10-T50

- black ends at long side
- short type
- premium quality
- sizes: T10 -15 - 20 - 25 -27 - 30 - 40 - 45 - 50

In folding holder

Item #
809

PRO+ CV



9-piece TS-Star Key Set, tamperproof

-mattfinished
- extra long (up to 235 mm), tamperproof
- TS 10, TS 15, TS 20, TS 25, TS27, TS 30, TS 40, TS 45, TS 50

In folding holder

Item #
777

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 clip holder

Item #
793

PRO+ CV



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

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

Item #
804

PRO+ CV



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)



PRO+ CV

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

9-piece T-STAR Key Set, Ball Head

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



PRO+ CV

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

9-piece T-Handle Key Set for T-STAR Screws, T10x145 mm - T50x280 mm

- black finish blades
- short ends in tamperproof finish
- content:
  T10x145 mm
  T15x145 mm
  T20x145 mm
  T25x210 mm
  T27x215 mm
  T30x215 mm
  T40x220 mm
  T45x275 mm
  T50x280 mm

Packed in blow mould carrying case



Item #
7880

PRO CV

T-Handle Wrench for T-STAR Screws

- black finish blades
- short end in tamperproof finish
- 2-component handle

PRO 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



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 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



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

Item #
7800



T-Handle Socket Wrenches, hexagon

- extra heavy plastic handles with hanging holes
- outer hex for difficult releasable screw

Item #	Description
7806	T-Handle Wrench for Hexagon Screws, 6x230 mm
7807	T-Handle Wrench for Hexagon Screws, 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	T-Handle Wrench for Hexagon Screws, 14x230 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



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



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. 7mm. 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



Item #
7985

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, Plain 5x75 mm, with Hexagon
7918	Screwdriver, Plain 6x38 mm, with Hexagon
7919	Screwdriver, Plain 6x100 mm, with Hexagon
7920	Screwdriver, Plain 8x150 mm, with Hexagon
7921	Screwdriver, Plain 9,5x200 mm, with Hexagon



Screwdrivers "BGS technic"

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

(from item # 7945)

PRO+ CV

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



12-piece Screwdriver Set

-chrome vanadium steel
- 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

12-piece Screwdriver Set

- end-to-end hex. blade with outer hexagon for extra torque when using a spanner or socket
- 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 #
7890

PRO CV

6-piece Electrician's Screwdriver Set

- 2 component handles with hanging holes
- insulated blades
- 3x slot: 100x4,0x0,8 mm - 125x5,5x1,0 mm
  150x6,5x1,2 mm
- 2 cross: PH 0x75 mm, PH 1x100 mm
- 1 Voltage Tester, 60 mm 200-250 V
- in accordance with: DIN ISO 8764-1:2006, DIN ISO 8764-2:2006, DIN ISO 2380-1:2006, DIN ISO 2380-2:2006, 200-250 V DIN VDE 0680 part 6/04.77



Item #
35806

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

Packed in windowbox



Item #
7945

PRO+ CV

5-piece Workshop Screwdriver Set, with Non-Slip Rubber Coated 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

PRO CV

42-piece Screwdriver Set

- satin chrome plated
- black and magnetic tips

content:
- 1 magnetic pick-up tool, length up to 550 mm,
  power 500 gr.
- screwdriver plain slot:
  5,5x225 mm; 6,5x260 mm; 8x330 mm
- plain slot insulated: 3x170 mm; 4x225 mm; 5x260 mm
- cross slot: PH # 0x160; #1x175; #2x110; #2x 225 mm
- cross slot insulated: PH #0x160 mm; #1x200 mm;
- 2 high precision screwdrivers:
  plain slot 2 mm x 125 mm; PH #0 x 125 mm
- 1 bit-holder
- 24 bits 1/4" in PH, PZ, plain slot, int. hex., T STAR



Item #
7755

CV

11-piece Screwdriver Set

- satin chrome plated
- with interchangeable blades,
- "20 in 1"
- 11-piece
- soft grip spinning handle
- plain slot 4x6 mm, 5x7 mm,
- cross slot # 1 + # 2
- PZ type # 1 + 2,
- int hex. 4 mmx 4 mm ball head
- int hex. 5 mmx 5 mm ball head
- int hex. 6 mmx 6 mm ball head
- T-STAR T10x15,T20x25, T30x40

Item #
7988



T-STAR Screwdrivers

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

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



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

12.5 ½ | 6.3 ¼

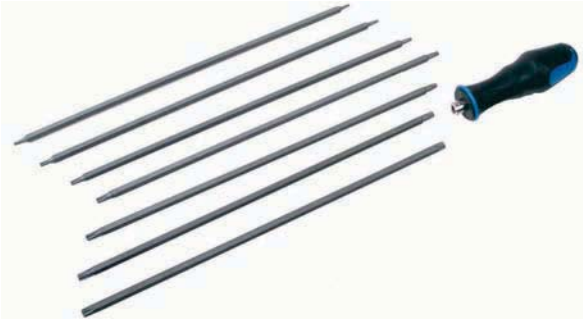
- hardness and torque in accordance with DIN
- 1/4" and 1/2" drive
- 1 magnetic retriever, extendable
- 2 bit adaptors, 1/4", 1/2"
- 4 double ring spanners E-type, E6 x E8 - E20 x E24
- 6 bit sockets 1/4" drive, T10 - T30 (not tamperproof)
- 6 bits 10 mm x 30 mm, T40 - T70 (tamperproof)
- 9 bits 10 mm 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



8-piece TS and T-Star Screwdriver Set with replaceable 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 security system
- one handle fits all sizes



Item #
2325

PRO+ CV

11-piece Screwdriver Set, T-STAR, not tamperproof

- power shape handle
- T6-7-8-9-10-15-20-25-27-30-40

Packed in plastic case with see-through top



Item #
7844

PRO CV

11-piece Screwdriver Set, T-STAR, tamperproof

- power shape handle
- T6-7-8-9-10-15-20-25-27-30-40

Packed in plastic case with see-through top



Item #
7845

PRO CV

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 3/8", length 36mm
- 2 plain slotted bits 8 - 10mm
- 2 cross slotted bits, size # 2 - 3

Item #
711

PRO+



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 # 0x3 mm plain slot
- cross slot # 1x4 mm plain slot
- incl. blade holder

Packed in plastic case with transparent top

Item #
797

PRO



3-piece L-type Wrench Set

- plain slot 5-6-8 mm
- cross slot Nr. 1-2-3

Item #
7982



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: 1xT5, 1xT6, 1xservice driver

Item #
803

PRO



11-piece High 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



5-piece Spline Screwdriver Set, M4-M10

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

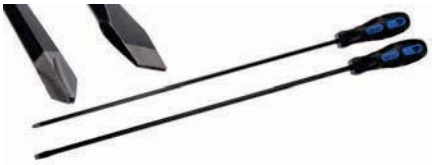


Item #
7924

PRO+ CV

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

- length 450 mm



Item #
730

PRO+

Machinist's Hammers, 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 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

Machinist's Hammers

- TÜV / GS approved
- forged
- black lacquered finish
- ergonomically shaped ash tree shaft
- with metal cotter



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

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



Roofing Hammer, 600 g

- fibreglass shaft
- polished head

Item #
1865

PRO



Fibreglass Shaft Club Hammers

- TÜV / GS approved
- black lacquered finish head
- fibreglass
- rubber grip

PRO

Item #	Description
3847	Fibreglass Shaft Club Hammer, 1000 g
3848	Fibreglass Shaft Club Hammer, 1250 g
3849	Fibreglass Shaft Club Hammer, 1500 g
3846	Fibreglass Shaft Club 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+



Club Hammer, 1000 g

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



Item #
3865

PRO+

Stoning Hammer, 1000 g

- TÜV / GS approved
- forged
- black lacquered head
- ergonomically shaped ash tree shaft
- with metal wedge



Item #
1847

Rubber Panel Mallets with Fibreglass Shaft

PRO+

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 Mallets

painted shaft



PRO

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

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

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

Item #
1863

PRO+



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+



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

- plastic handle
- 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



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

Sledgehammer, 5000 g

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



Item #
3860

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

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

In metal case (as displayed)



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

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

- 0,5 mm steps
- drills manufactured from **HSS-steel**

In metal case



Item #
2010

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

In metal case (as displayed)



Item #
2013

PRO

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

- rolled
- cobalt coating guarantees long life
- 0,5 mm steps

In metal case



Item #
2014

PRO

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

- rolled
- 0,5 mm thread pitch
- drills manufactured from **HSS-steel**

In metal case



Item #
2021

PRO

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

- fully ground, cross joint tips
- drills manufactured from HSS steel



Item #
110

PRO+

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

4-piece HSS Drill Set, Cutting left

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

In wooden case (as displayed)



Item #
2726

PRO+

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

In plastic case



Item #
1926

PRO+

15-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

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

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

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

In metal case



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

In metal case (as displayed)



Item #
1998

PRO+

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 clampinhg 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

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

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

In metal case



Item #
1997

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

In metal case



Item #
1624

PRO+

Stepped Hole Cutters, Titanium Coated

- long life
- 2 mm steps



PRO+

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

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

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

In metal case



Item #
1944

PRO+

10-piece Hammer Drill Set with SDS-Plus-Shaft, Carbide Tipped

sizes: 5x110 mm; 6x110 mm; 8x160 mm;
10x160 mm; 10x210 mm; 12x210 mm; 10x450 mm;
12x450 mm; 16x450 mm; 20x450 mm

In aluminium case (as displayed)



Item #
2011

PRO

6-piece Hammer Drill with SDS-Shaft Set, Carbide Tipped

- 6-piece
- 5-6-8-x110 mm, 6-8-10x160 mm

In plastic case (as displayed)

Item #
2007



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

- accepts sds-shafts
- 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



3-piece SDS drill Set, with SDS shaft

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

Item #
2012

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+



5-piece Wood Working Drill Set, in Case

- sizes: 4, 5, 6, 8, 10 mm

In metal case



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

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 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+

4-piece Hand Drill Set, 2-5 mm

2-3-4-5 mm



Item #
2022

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+

13 mm Drill Chuck

- with SDS adaptor
- incl. tap holder key



Item #
9937

PRO

2-piece Chuck Key Set

- suitable for 10 + 13 mm drill chucks



Item #
8212

PRO

Quick Action Chucks



PRO

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

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



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



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+



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
- in carrying case

Item #
9930

PRO+ CE



150-piece High Precision Drill Set

polishing and sanding instruments
for miniature drills and sanders
(hard metal taper cutters are also included)

Supplied in plastic storage box (as displayed)

Item #
8060

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

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 and 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 1.0
  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 thread and
  20 dies for external thread (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



Item #
1893

PRO

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

45-piece Tap and Die Set, Tungsten Steel, Titanium Coated

- 20 taps for thread and
  20 dies for external thread (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



Item #
1899

PRO

32-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
- 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+

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

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+

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

In strong metalwork-case



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

In strong metalwork-case



Item #	Description
1952	29-piece Thread Repair Kit, M5x0.8
1953	29-piece Thread Repair Kit, M6x1.0
1954	29-piece Thread Repair Kit, M8x1.25
1955	29-piece Thread Repair Kit, M10x1.5
1956	14-piece Thread Repair Kit, M12x1.75
1957	14-piece Thread Repair Kit, M14x1.25

Thread Repair Inserts

- spare parts for Art. 1950-1957



Item #	Description
1959-1	25 Thread Repair Inserts, M5x0.8
1959-2	25 Thread Repair Inserts, M6x1.0
1959-3	25 Thread Repair Inserts, M8x1.25
1959-4	25 Thread Repair Inserts, M10x1.5
1959-5	10 Thread Repair Inserts, M12x1.75
1959-6	10 Thread Repair Inserts, M14x1.25

6-pieces Ratcheting Tap and Die Tool 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



Item #
1984

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+

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+

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)



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

PRO+



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+



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



Tap Wrench, adjustable

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

Item #
1893-1

PRO+



Threading Die Holder

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

Item #
1893-2

PRO+



Junior Hacksaw, "Junior" with 150 mm Blade

- finger guard
- plated steel frame



Item #
2067

PRO

Junior Hacksaw, incl. 150 mm Blade, wooden Handle



Item #
2068

Jigsaw Frame, 150 mm

- wood handle
- incl. 5 assorted blades
- extra deep shape (max. 150 mm)



Item #
2073

PRO

Hacksaw Frame, incl. 300 mm Hacksaw Blade

- incl. 300 mm hacksaw blade
- with attached pin
- 18x6 mm frame thickness



Item #
2060

Hacksaw Frame, incl. 300 mm Hacksaw Blade

- chrome plated tubular steel frame
- adjustable up to 300 mm
- heavy duty finish



Item #
2062

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+



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

- 0,65 mm thickness
- 24 tooth per inch

Item #
2061

PRO+



10 Spare Blades, 150 mm

- suitable for items # 2067, 2068, 2073
- 10-pieces

Item #
2069



12-pieces Hacksaw Blades 13 mm wide, 300 mm long, Carbon Steel

- 0,65 mm thickness
- 24 tooth per inch

Item #
2063



Carbide Tipped Circular Saw Blades

measurements:

item 3952: 190 x 30 x 1,6 x 2,5 mm
item 3954: 254 x 30 x 1,8 x 3,2 mm
item 3955: 300 x 30 x 2,2 x 3,2 mm
item 3956: 400 x 30 x 2,5 x 3,2 mm
item 3957: 315 x 30 x 2,2 x 3,0 mm



PRO+

Item #	Description
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

7-piece Hole Saws, 26-63 mm ø

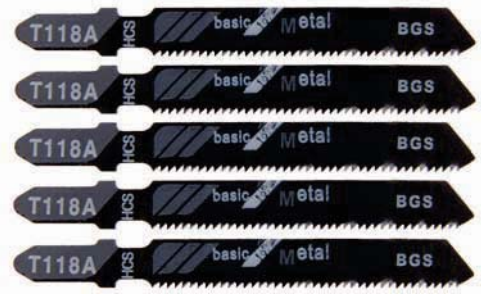
- with metal mandrel holder and with pilot drill
- diameters: 26-32-36-45-50-56-63 mm



Item #	Description
3903	7-piece Hole Saw, 26-63 mm ø, 1" Depth
3904	7-piece Hole Saw, 26-63 mm ø, 2" Depth

Cutting Blades, Euro Standard Collet

- suitable for AEG, Atlas Copco, Bosch, DeWalt, Hitachi, Makita, Metabo, Milwaukee u.a.



PRO+

Item #	Description
3969	5x Replacement Blades for Wood, Euro Standart Collet
3968	5x Replacement Blades for Metal, Euro Standart Collet

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: 28 mm
- max. cutting width: 100 mm

Item #
50865

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 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 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

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

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

- excellent finishing
- sizes: 3/8", 1/2", 3/4", 1", 1 1/4"
- 1 ratcheting pipe threading system with 2 extension bars



Item #
1892

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



6-piece Holesaw Set, 33-73 mm

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

in blow case



Item #
3910

PRO

Pilot Drill for Item #3910

Item #
3916

PRO



Backing Disc for Item #3910

Item #
3915

PRO



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

Packed in blow mould window case

PRO+

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



Half Round Carbide Tipped File, 150 mm

diamond coated

Item #
3918

PRO+



Tile-Joint Scraper, carbide tipped, incl. 2 Blades

blade diamond coated

Item #
3919

PRO+



Glass Cutter, 130 mm, for 3-4 mm Thickness

- metal finish
- with 6 wheels
- wooden handle
- DIN 7209 B

Item #
7977

PRO



Tile Carrying Handle, 300-500 mm

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

Item #
3231

PRO



Folding Rules

- plastic
- white



PRO

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

PRO

Measuring Tape

- with power return and blocking button



Item #
2058

Surveyors Tapes

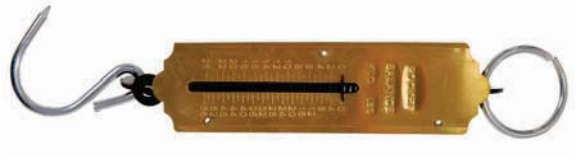
- 12 mm wide tape
- with blue cross frame and retractable winding handle
- dust and weather resistant



Item #	Description
2160	Surveyors Tape, 100 m
2159	Surveyors Tape, 50 m

Pocket Spring Balances

- kg and lbs Skala



PRO

Item #	Description
8033	Pocket Spring Balance, max. 25 kg
8034	Pocket Spring Balance, max. 50 kg

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



Item #
1935

PRO+

Single Gauge (0.01 mm precise) for Item# 1938



Item #
1938-1

PRO+

Magnetic Base for Measuring Instruments

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

Packed in a cardboard box



Item #
1938

PRO

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+

Digital Tire Depth Gauge

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



Item #
1941

PRO+

Spare Battery SR44

- for Art. 1930 + 1941

Item #
1931

PRO



Precision Vernier Caliper, 0-150 mm

- chrome plated
- nonius 1/20 mm
- measurement: internal/external/depth
- range 0-150 mm

In synthetic leather wallet

Item #
1932

PRO+



Precision Vernier Caliper, 0-300 mm

- extra wide measuring range: 300 mm
- nonius 1/20 mm
- mm and inch scale
- measurement: internal/external/depth

In plastic case

Item #
1934

PRO+



Precision Vernier Caliper, 0-200 mm

- chrome plated
- nonius 1/20 mm
- fine adjustment
- measurement: internal/external/depth
- measuring range 0-200 mm

In synthetic leather wallet

Item #
1933

PRO+



Steel Clamp Vices, forged, turnable

- high duty finish for professional use
- long life quality

PRO+

Item #	Description
59100	Steel Clamp Vice, forged, 100 mm Jaws, 6.9 kg
59101	Steel Clamp Vice, forged, 125 mm Jaws, 10.1 kg
59102	Steel Clamp Vice, forged, 150 mm Jaws, 13.4 kg



Parallel Clamp Vices

- good quality, attractive surface finish



PRO

Item #	Description
59255	Parallel Clamp Vice, 4.5 kg, 80 mm Jaws
59260	Parallel Clamp Vice, 5.5 kg, 100 mm Jaws
59265	Parallel Clamp Vice, 8.0 kg, 125 mm Jaws
59270	Parallel Clamp Vice, 11.0 kg, 150 mm Jaws

Parallel Clamp Vice, incl. Anvil, 60 mm Jaw

- turnable
- for table thickness up to 45 mm



Item #
3056

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

Expert ABS Clamps

- black
- springloaded
- jaw with flexible tips



PRO

Item #	Description
1837	Expert ABS Clamp, 100 mm
1838	Expert ABS Clamp, 150 mm
1840	Expert ABS Clamp, 230 mm

Clamps, Metal

- red lacquered finish
- soft rubber coated tips

PRO

Item #	Description
1835	Clamp, Metal, 100 mm
1836	Clamp, Metal, 150 mm



4-piece Mini Spring Clamp Set, 50 mm

- multi-purpose: for hobby, garages, office etc.

Item #
59804



Quick Action adjustable Clamps

heavy duty finish

PRO+

Item #	Description
829	Quick Action adjustable Cramp, 200x50 mm
830	Quick Action adjustable Cramp, 300x80 mm
841	Quick Action adjustable Cramp, 120x300 mm
843	Quick Action adjustable Cramp, 120x500 mm
844	Quick Action adjustable Cramp, 120x800 mm
845	Quick Action adjustable Cramp, 120x1000 mm



Quick Action Standard Clamps

Item #	Description
1829	Quick Action Standard Cramp, 200x50 mm
1830	Quick Action Standard Cramp, 300x80 mm
1841	Quick Action Standard Cramp, 120x300 mm
1844	Quick Action Standard Cramp, 120x800 mm
1843	Quick Action Standard Cramp, 120x500 mm
1845	Quick Action Standard Cramp, 120x1000 mm



Allround Retractable Knife, 9 mm Blade

- break off segment blade
- thin finish
- plastic

Item #
7972



Allround Retractable Knife, 18 mm Blade

- break off segment blade
- plastic

Item #
7970



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+



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+



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

Item #
7973

PRO



27-piece Scraper & Knife Tool Set

- incl. 20 sharp blades in various sizes
  (blades can be ordered separately as well)
- 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

Penknife, 240 mm

- foldable
- with wooden handle
- includes belt pouch
- blade length 120 mm



Item #
2080

PRO+

Electrician's Pocket Knife, 200 mm

- wooden handle
- foldable



Item #
2075

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+

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+

5-piece Trapezoidal Blades Set, 0.6x12 mm

high duty finish

Item #
7975

PRO+



20-piece Survival Knife

- stainless blade
- compass
- saw
- grindstone
- fish hook
- matches, etc.

Item #
2078



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
- 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
- saw-type blade
- with wire-stripping gap

Item #
7963

PRO+



Allround Scissors

- manufactured from stainless steel
- with insulated plastic bows

Item #
2049

PRO



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

PRO

Wallpaper Scissors, 12"

- length: approx. 30 cm
- with soft grip bows



Item #
2048

PRO

Flap Discs

- for angle grinders
- bore 22.2 mm

PRO



Item #	Description
3970	Flap Disc, Ø 115 mm, Grain Size 40
3973	Flap Disc, Ø 115 mm, Grain Size 60
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

20-pciece 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

5-piece Mounted Grinding Point Set

- various shapes
- 6 mm shank



Item #
8063

Sharpening Stone, 150x50x21 mm

Aluminium oxide



Item #
8062

PRO

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
3177	Grinding Disc 100x3,2x10 mm (1/4", 0,325" and 3/8") for Art. 3180
3178	Grinding Disc 100x4,5x10 mm (3/8"+0,404") for Art. 3180

38-piece Lathe Tool Set

- shaft thickness **8 mm / 5/16"**
- carbide tipped
- different shapes
- length 60 mm each



Item #
9925

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



6-piece Needle Files Set, 140 mm

- flat parallel, flat taper, round
  square, three square, half-round
- 2 component softgrip handles

Item #
1911

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

5-piece Arch Punch Set

- 1/4" - 3/8" - 1/2" - 5/8" - 3/4"
- incl. re-usable cloth pouch



Item #
567

PRO

2-piece Tweezers Set, 150 mm long

- straight & bent
- insulated handles



Item #
2047

4-piece Tweezers Set, 105-120 mm long

-chrome plated
- straight + bent + flat



Item #
2044

PRO

Scriber, 150 mm, Hard Metal Tip

- hard metal coated tip

In vinyl wallet

Item #
3131

PRO+



10-piece Sandpaper Set, 230x280 mm

- grain size 60-80-100-150-240 (each 2 pcs.)

Item #
80810



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

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+



Combination Pliers

- satin nickel plated
- with slip guard/ soft grip handles
- red/black
- in accordance with DIN 5244



PRO+

Item #	Description
325	Combination Pliers, Length 165 mm
326	Combination Pliers, Length 175 mm
327	Combination Pliers, Length 200 mm

Diagonal Side Cutter, 165 mm

- satin nickel plated
- with slip guard/ soft grip handles
- red/black
- in accordance with DIN 5238



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
- in accordance with DIN 5238



Item #
332

PRO+

Heavy Duty Diagonal Side Cutter, 180 mm

- satin nickel plated
- with slip guard/ soft grip handles
- red/black
- in accordance with DIN 5238



Item #
335

PRO+

Heavy Duty Diagonal Side Cutter, 240 mm

- satin nickel plated
- with slip guard/ soft grip handles
- red/black
- in accordance with DIN 5238



Item #
334

PRO+

Long Nose Pliers, straight

- satin nickel plated
- with slip guard/ soft grip handles
- red/black
- in accordance with DIN 5236



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
- in accordance with DIN 5236



Item #
338

PRO+

End Cutting Pliers, 150 mm

- satin nickel plated
- with slip guard/ soft grip handles
- red/black
- in accordance with DIN 5252



Item #
333

PRO+

Wire Stripping Pliers, 150 mm

- satin nickel plated
- with slip guard/ soft grip handles
- red/black
- in accordance with DIN 8979



Item #
339

PRO+

Flat Nose Pliers, 160 mm

- satin nickel plated
- with slip guard/ soft grip handles
- red/black
- in accordance with DIN 5248



Item #
340

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+

Nose Pliers, extra long, 280 mm

- PVC dipped handles (black)
- with additionally induction hardened cutting edges, straight



Item #
410

PRO

Bent Nose Pliers, 45 °, extra long, 280 mm

- PVC dipped handles (black)

Item #
411

PRO



Bent Nose Pliers, 90 °, extra long, 280 mm

- PVC dipped handles (black)

Item #
412

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+



3-piece Waterpump Pliers Set, DIN 5231, Box-Joint

- professional quality
- in accordance with DIN 5231/DIN ISO 8976
- high quality lacquered black finish
- forged
- hardened
- polished jaws and joint
- blue PVC dipped handles
- 175-240-300 mm
- apeture max. 27-38-44 mm

in tetron-wallet

Item #
457

PRO+ CV



Waterpump Pliers, 240 mm

- box-joint head
- satin nickel plated
- with slip guard/ soft grip handles
- red/black
- in accordance with DIN 5231
- apeture max. 38 mm



Item #
342

PRO+ CV

Waterpump Pliers with Box-Joint Head, Special Steel



Item #	Description
460	Waterpump Pliers, red painted, 240 mm, Chrome Vanadium
461	Waterpump Pliers with Box-Joint Head, 250 mm, Carbon Steel

Waterpump Pliers with Box-Joint

- professional quality
- in accordance with DIN 5231/DIN ISO 8976
- safety handles
- high quality finish
- forged
- hardened
- lacquered black finish
- polished jaws and joint
- red PVC dipped handles



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
- in accordance with DIN 5231 / DIN ISO 8976
- 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

Professional Gaspipe Wrenches

- red lacquered finish
- polished jaw
- special advantage: 3-point grip prevents slipping off



PRO+ CV

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

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 jaw



PRO+

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

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

PRO



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

PRO



Riveter, 2.4-4.8 mm

- with flexible and adjustable head
- for 2,4-3-4-4,8 mm rivets

Item #
403

PRO



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 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
- all riveter nuts bolts avaible separate

PRO+

Item #	Description
405	Professional Riveter Set, long Arm, 3.2-6.4 mm
405-1	Pull Bar for Riveter #405
405-3	Jaw Case for Riveter #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
405-Zange	Long Arm Riveter



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+



Hole Punch and Eyelet Pliers, incl. Eyelet Assortment, 180 mm

- heavy duty finish
- included 100 pcs. eyelets



PRO

Item #	Description
570	Hole Punch and Eyelet Pliers, 4.5 mm, incl. Eyelet Assortment, 180 mm
569	Hole Punch and Eyelet Pliers, 5 mm, incl. Eyelet Assortment, 180 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+

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

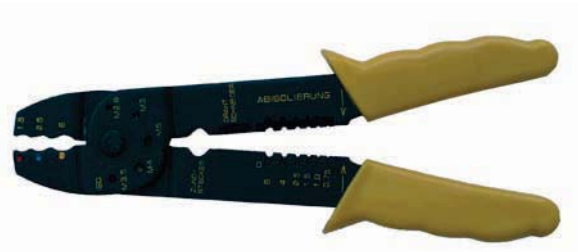
Item #
418



5-way Crimping Tool, 200 mm

- hardened finish
- PVC handles (yellow)
- with wire stripping application for insulated terminals
- black lacquered finish
- with threading device and cable cutter

Item #
420



Terminal Set, 60 insulated Terminals

with crimping tool item # 0420

Item #
1423



5-way Crimping Tool, 225 mm

- workshop finish
- 3mm thickness
- for insulated and non-insulated terminals
  and for spark plug connectors
- with wire cutter
- for insulated terminals 1,5 mm (red) - 2,5 mm (blue) - 6 mm (yellow)
- for non-insulated terminals 1,5 - 2,5 - 4 -6 mm
- bolt head cutter M2,6 - M3 - M3,5 - M4- M5
- for non insulated connectors 1.5 and 2.5mm

Item #
1421



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

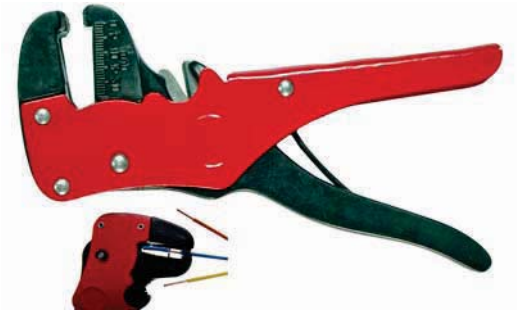
Item #
1422



Automatic Wire Stripper, 0.5-8 mm²

- self adjusting for wires with diameters 0,5-8 mm²
- 175 mm long

Item #
441



Automatic Wire Stripper, 0.2-6 mm²

- regulate pressure for
  hard and soft insulation (0.2 - 6 mm²)
- 175 mm

Item #
443



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 +



Ratchet Crimping Tool 0.5-6 mm²

- for not insulated terminals
- 0,5-1-1,5-2,5-4-6 mm²

PRO

Item #	Description
1419	Ratchet Crimping Tool 0.5-6 mm²
1417	1 Pair of Jaws for Item 1419



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, 0.25-6 mm²

- forged
- insulated handles,
- for 0,25 -1,0 / 1,5-2,5 / 4-6 mm² insulated terminals
- length 215 mm



Item #
1426

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+

10-piece Electricians Tool Set

6 insulated -screwdrivers DIN 7437:
- plain slot 0,5-0,8-1,0 mm
- cross slot # 0-1-2
- 1 voltage tester 140 mm
- 1 diagonal side cutters 165 mm
- 1 combination pliers 165 mm
- 1 long nose pliers 160 mm

In window box



Item #
346

PRO+

3-piece VDE Pliers Set

- high quality VDE pliers
- includes:
  - combination pliers 180 mm
  - wire stripper 160 mm
  - side cutter 160 mm
  - high quality storage bag



Item #
7158

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+

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 # 00, 0, 1

Supplied in synthetic leather wallet

Item #
350

PRO+



Electronic Combination Pliers, Spring loaded, 120 mm

- satin nickel plated
- slip guard handles with soft grips for comfort
- manufactured in accordance with DIN 5244

Item #
380

PRO+



Electronic Diagonal Side Cutter, Spring loaded, 115 mm

- satin nickel plated
- slip guard handles with soft grips for comfort
- manufactured in accordance with DIN 5238

Item #
381

PRO+



Electronic End Cutting Pliers, Spring loaded, 105 mm

- satin nickel plated
- slip guard handles with soft grips for comfort
- manufactured in accordance with DIN 5252

Item #
384

PRO+



Electronic Diagonal Longnose Pliers, Spring loaded, 130 mm, straight

- satin nickel plated
- slip guard handles with soft grips for comfort
- manufactured in accordance with DIN 5236



Item #
382

PRO+

Electronic Bent Nose Pliers, Spring loaded, 125 mm

- satin nickel plated
- slip guard handles with soft grips for comfort
- manufactured in accordance with DIN 5236



Item #
383

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
650	4-piece Circlip Pliers Set, 225 mm
651	4-piece Circlip Pliers Set, 300 mm
447	4-piece Circlip Pliers Set, 175 mm

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, straight
66110	3-piece Lock Ring Pliers Set for Drive Shafts

4-piece Snap Ring Pliers Set for small Locking Circlips

- 75 mm long
- tip-Ø 1 mm
- chrome-molybdenum steel
- for internal and external locking circlips
- straight and bend pliers
- vinyl insulated handles



Item #
444

PRO+

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

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

In blow mould case



Item #
453

PRO+

Circlip Pliers Set

- 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
- length 420 mm
- for motor trucks and agricultural machines



Item #
478

PRO+

Internal Circlip Pliers, 90° Offset

- for internal clips
- self-opening
- length 180 mm
- tip length 62 mm
- handles dip insulated



Item #
449

PRO+

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

Self Grip Pliers, 225 mm

- special steel
- black finish
- adjustable
- polished & curved jaws



Item #
485

PRO

Self Grip Pliers, Vinyl Release Lever, 250 mm

- special steel
- nickel plated
- opening with vinyl quick release lever



Item #
4490

PRO+

Self Grip Pliers "Expert", 250 mm

- nickel plated
- expert quality
- opening with vinyl quick release lever

In coloured box

Item #
4491

PRO+ CV



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 Needle Nose Locking Pliers "Lockjaw", 190 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 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



Self Grip Pliers, 3 way adjustable, 225 mm

- special steel
- range up to 55 mm

Item #
493

PRO



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

In plastic window box

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 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+



Self Grip Welding Clamp "Expert", 280 mm

- special forged steel
- nickel plated
- opening with vinyl quick release lever

Item #
495

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)
502	L-type Self Grip Pliers, 10" (165 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, 205 mm

- for working on car bodies, forging and clamping on door frames, wheel arches side panels, flanges, sheets and many more
- for working on U-type profiles, rear parts, etc.



Item #
483

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+

Special Self Grip Pliers with Quick Release Lever, 230 mm

- for working on car bodies, forging and clamping on door frames, wheel arches side panels, flanges, sheets and many more
- extra wide opening for clamping
- for working on various automobile brands



Item #
481

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+



Self Grip Pliers, extra short, 100 mm

- special steel
- chrome plated
- 6 times riveted
- curved jaw

Item #
505

PRO+



Automatic Locking Pliers "Lockjaw"

- 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 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 "Lockjaw", 160 mm
586	Automatic Locking Pliers "Lockjaw", 230 mm



Automatic C-Clamp Locking Pliers "Lockjaw"

- 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 45 mm thick workpieces (55 mm for 295 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
588	Automatic C-Clamp Locking Pliers "Lockjaw", 210 mm
589	Automatic C-Clamp Locking Pliers "Lockjaw", 295 mm



Automatic Fork Jaw Locking Pliers "Lockjaw", 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

3-piece Vice Grip Pliers Set, Ø 6-16 mm

- for plastic hoses, suitable for following hose diameters:
  pliers 1: 6 - 8 - 9 mm
  pliers 2: 10 - 12 mm
  pliers 3: 14 - 16 mm



Item #
4493

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
- heavy PVC handles



Item #
561

PRO+

Removal Pliers for Fuel Lines

- fits VW, Audi, Volvo, Citröen, Fiat, Alfa and others
- 90° offset head allows work under difficult conditions



Item #
66101

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+

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

PRO

Hose Cutting Pliers, 4-16 mm

- blades made of stainles steel
- plastic housing



Item #
1912

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+

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



Special Exhaust Clamp Pliers, 305 mm

- for expanding and holding open 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+



Water Pump Pliers with Plastic Protective Jaws, 250 mm

- suitable for all types of fitings
- protection jaws prevent damage to chrome finish
- easy size adjustment
- dipped handles
- incl. 2 spare protective jaws

Item #
75120

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+



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

PRO

Automatic Wire Twister, 310 mm

- for twisting wires and ropes
- e.g. to close garbage bags



Item #
1482

PRO +

275-piece Eyelet Assortment

- incl. self grip pliers
- 18 interchangeable punch and die heads
- eyelets in various sizes

In plastic window case



Item #
572

PRO +

Hole Punch and Eyelet Pliers, incl. Eyelet Assortment, 180 mm

- heavy duty finish
- included 100 pcs. eyelets



PRO

Item #	Description
570	Hole Punch and Eyelet Pliers, 4.5 mm, incl. Eyelet Assortment, 180 mm
569	Hole Punch and Eyelet Pliers, 5 mm, incl. Eyelet Assortment, 180 mm

Hand Nibbler, 240 mm

for cutting SM-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

Tinmans Shears approved, cuts left + straight, 260 mm

- tooth jaw forged from **chromevanadium steel**
- red handles
- 260 mm



Item #
1680

PRO+

Tinmans Shears, cuts right + straight, 260 mm

- tooth jaw forged from **chrome vanadium steel**
- blue handles
- 260 mm



Item #
1681

PRO+

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)



PRO

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

Cable Cutter, 240 mm

- for cable diameters of up to 25 mm
- red / black cushion grip handle



Item #
329

PRO+



AUTOMOTIVE TOOLS

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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, 180 mm deep
7791	Internal / External Puller, 2-arm + 3-arm use, 76-178 mm, 180 mm deep

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
93-5	Parallel Jaw Puller, 2-legs, 520x200 mm
93-6	Parallel Jaw Puller, 3-legs, 120x100 mm
93-7	Parallel Jaw Puller, 3-legs, 150x200 mm

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+



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



Puller, 65-85 mm

- application: deflection lever of steering gear
- with adjustable legs
- depth 57mm
- frame manufactured from **chrome vanadium steel**
- all other parts manufactured **from hardened carbon steel**

Item #
7732

PRO+



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+



Miniature Puller, 19-45 mm

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

In plastic case



Item #
7738

PRO+

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

- 100 - 150 - 200 mm
- puller legs are suitable for 2- and 3-leg crossbars (included)
- flexibly attachable legs allow internal and external pulling operations
- replacable, especially hardened puller feet (width approx. 25 mm each)



Item #
7760

PRO+ CRO MO

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

packed in blow mould carrying case



Item #
7734

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

10-piece Blind Hole Bearing Puller Set

- 1 sliding hammer (2.00 lbs), length 295 mm
- 1 bearing puller for 12 mm & 24 mm wrench use
- spread shells from 8-34 mm



Item #
7710

PRO+

Wiper Arm Puller, 16-41 mm

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



Item #
9965

PRO+

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

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



Item #
9967

PRO+

Windscreen Wiper Arm Puller

for removing windscreen wiper arms



Item #
9974

PRO

Two Leg Puller for Battery Terminals and Widescreen Wiper Arms

- adjustable and suitable for most car and truck types
- application:
  loose nut first, then put puller
  on the nut and spin puller handle



Item #
7743

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 1sliding 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
- including 2-arm gear puller



Item #
65700

PRO+

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

- chrome vanadium steel
- for GM (Opel)



Item #
7739

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+

Ribbed Drive Puller

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



Item #
7779

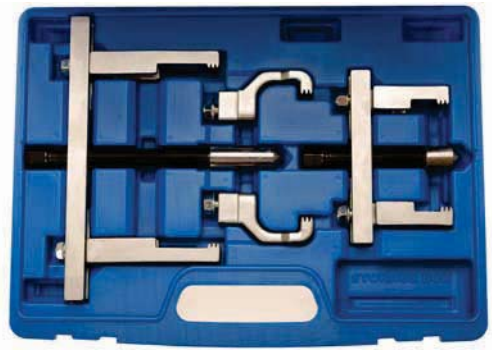
PRO+

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+



6-piece Puller Set with Sliding Hammer, forged

- for pulling wheel nut bearings
- 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

Item #
7745

PRO+



Wheel Bearing Puller with Sliding Hammer

- necessary whenever use of set item # 1520 (see page 183) is impossible, e.g. when bearing contains ABS sensors
- 4kg sliding hammer
- length 570 mm

Item #
7735

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

- as well as all smaller gear wheels
- ball-bearings
- pulleys and other similar parts

in plastic case



Item #
7736

PRO+

10-piece Bearing Puller Set

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



Item #
7744

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
- 2 separator from 20-105 mm
- loose separators see art. 7742



Item #
7729

PRO+

Hydraulic Ram from BGS 7729 Puller Set

- replacement for BGS 7729 puller set
- suitable for further applications
- spinning bar drive
- exterior thread Withworth 55° 16 G 3/8"



Item #
7729-X

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+

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

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

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

Sliding Hammer Extractor

- 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+

BPW Axle Extractors

- extractor bell and spindle
- made from hardened steel
- for professional truck repair
- for more details about each puller please visit our website and enter the repective item#



PRO+

Item #	Description
5401	Axle Extratcor MAN, M 115 x 1.5
5402	Axle Extractor, M 125 x 2.0
5403	Axle Extractor, M 135 x 2.0
5404	Axle Extractor, M 136 x 2.5
5405	Axle Extractor, M 155 x 3.0

Front Hub Puller, 100-115 mm

- for 4 studbolts (sizes between 100 - 115mm)
- carbon steel
- M16 thread



Item #
7733

PRO

Pull Adaptor for Item # 7719,1677,7739

- for use with sliding hammer 7719, 1677, 7739
- also replacement for 7735, 7745, 7733
- M16 thread

Item #
7712

PRO+



Sliding Hammer for Item # 7712,7733

- weight approx. 2,3 kg
- M16 thread

Item #
7719

PRO+



Allround Wheel Bearing Extractor

- allround extractor for wheel bearings, universal use via various holes

Item #
7680

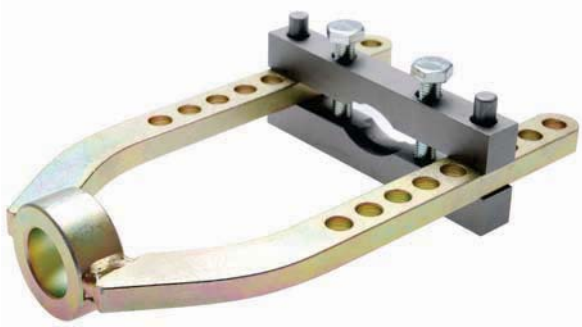


Propshaft Separator

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

Item #
1518

PRO+



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

sizes:
- M 24 x 1.50 13/16" x 20 UNEF
  M 24x2.00 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+



6-piece Drive Shaft Socket Set

12.5 ■ ½

- sockets 30 - 32 - 36 mm
- int. hex.: 14 - 17 - 19 mm



Item #
5334

PRO+ CRO MO

8-piece Drive Shaft Socket Set

12.5 ■ ½

- 1/2" drive
- sockets 27-30-32-34-36 mm
- int. hex.: 14 - 17 - 19 mm



Item #
5335

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+

Chain Pipe Cutters

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



PRO+

Item #	Description
133	Chain Pipe Cutter, 250 mm
134	Chain Pipe Cutter, 250 mm, HSS Chain
133-Kette	Spare Chain for Pipe Cutter Item # 133
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
66255	Spare Blade for Tube Cutter BGS 66250
66251	Axis for Cutting Wheel of BGS 66250

Exhaust Pipe Expander, for 38-64 mm

- for tailpipe diameters 38 - 64 mm
- expands exhaust pipe via hot air blower
- which enables to detect and repair faults easily
- especially for classic cars



Item #
120

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+

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

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

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

Brake Bleeder Tool

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



Item #
8066

PRO+

Air Sucker

- for brake fluid extraction
- comes with 150 cm hose:
  internal-Ø: 5 mm, external-Ø 8 mm



PRO+

Item #	Description
8071	Air Sucker
8071-1	Hose 150 cm, Internal-Ø 6.5 mm, external-Ø 9.5 mm

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+

Brake-Bleeder / Vacuum Tester

- 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



Item #
8070

PRO

2-way Vacuum Tester

- 2-way: vacuum and pressure
- brake bleeding equipment
- test of various vacuum and pressure systems
- including manometer up to 4 bar (tolerace +-5%)
- several accessories



Item #
8067

PRO+

Single Cup for Vacuum Tester 8070/8067, incl. Sealing



Item #
1799-Z

PRO+

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+

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+

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

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



Item #
1760

PRO+ CV

3-piece Brake Bleeding Key Set

- special ratchet 150 mm with angled head, fine-toothed, reversible
- 2 pieces sockets, 11 mm:
  20 mm short (e.g. VW Passat, Audi A4) and 65 mm long
  (e.g. for VW Golf V, Audi A3, Seat Altea, Skoda Octavia)



Item #
66510

PRO+

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

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+

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+

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+

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+ CE

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, 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 Piston Wind Back Tool for VW T5

- special tool for VW T5



Item #
1113

PRO+

Brake Piston Wind Back Adaptor for Golf V / VI

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

Item #
1106

PRO+



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

Universally applicable for winding back brake pistons
on handbreak-secured brake calipers

Item #
1124

PRO



3-piece Pentagon Socket Set, 1/2"

- **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

Item #
148

PRO+



Thread Replacers M9 x 1.25 for Art. 148

- 1 thread insert with suitable copper ring

Item #
148-1

PRO+



Step Drill for Brake Thread Repair Kit BGS 148

- titanium nitrided

Item #
148-2

PRO+



Screw Tap M9x1.25 for Brake Thread Repair Kit BGS 148

- HSS Steel

Item #
148-3

PRO+



Brake Pad Key, 7 mm

Item #
1122

PRO+



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 wodden 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+

Brake Cylinder Honing / Cleaning Tools

6.3 ◘ ¼

- 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

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 calliper brush for removal of brake dust and dirt from the brake calliper
4. Brass Brake Calliper Brush for cleaning aluminium brake callipers 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 calliper file, extra slim style (width 10 mm), especially appropriate for Japanese vehicles, for removal of brake dust, rust and dirt from the brake calliper
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 brakesas well as on VW LT since 1997
9. Brake spring installer for pressure spring of the parking brake
10. Brake cable pliersfor removing and replacing the hand brake cable The Pliers compress the return springs so far that the cable may be easily removed and replaced.

In carrying case



Item #
1818

PRO+

Brake Drum Gauge, 160-360 mm

For brake drums, size between 160-360 mm



Item #
1939

PRO

Brake Spring Assembly Tool Aluminium Handle

- zinc coated
- for assembling and removing braking plate springs



Item #
1135

PRO

Brake Spring Installer for Mercedes Parking Brake

- especially for Mercedes parking brake
- total length 140 mm



Item #
1791

PRO+

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 Cable Spring Pliers, 215 mm

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



Item #
1831

PRO+

Brake Spring Pliers with Claw, 330 mm

- with movable claw for riveted and glued pads



Item #
1817

PRO+

Brake Cable Spring Pliers, 210 mm

For removing brake drum springs



Item #
1832

PRO+

Wire Brushes

- 300 mm long



PRO

Item #	Description
3073	Wire Brush, industrial steel, 5-rows
3075	Wire Brush, brass fill, 4-rows

3-piece Brush Set

- 3-piece set with a different fill each
  brass, nylon, steel
- 225 mm long



Item #
3079

PRO

Steel Brush, Brass coated, 260 mm long

- with colored polypropylene handle



Item #
3172

PRO

General Purpose Wire Brush, 260 mm long

- with colored polypropylene handle



Item #
3171

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+

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+

Wire Brushes

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



PRO

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

Wire Brush, Diameter 100 mm

- with 6 mm shank
- crimped steel



Item #
3077

PRO

Wire Cup Brush, Diameter 75 mm

- with 6 mm shank
- crimped steel



Item #
3076

PRO

Cup Brush M14x2, Diameter 65 mm

- knotted



Item #
3980

PRO+

125 mm Rubber Backing Disc

- 6 mm shank



Item #
3074

PRO

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



Item #
8101

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



Item #
8102

PRO+

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+

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

4-piece Special Truck Socket Set

- spanner sockets for working on the sockets of the front and rear axle
- 1 socket 1/2" drive , 4-tooth, length 72 mm, fits Mercedes series OM 401/421, 403/423, LA, A, 470
- 1 socket with 32 mm outer hexagon, length 70 mm, 4-tooth with internal thread M14 1.5 mm, fits Mercedes, Neopplan, Setra
- 1 socket 1/2" drive, 3-tooth, length 120 mm, fits Mercedes, MAN
- 1 socket with 32 mm outer hexagon drive, length 120 mm, 4-tooth, fits MAN, Mercedes



Item #
67210

PRO+

Stubborn Injector Puller for Mercedes CDI Engines

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



Item #
1678

PRO+

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



Item #
62005

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



Item #
62635

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



Item #
8237

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 6mm hex drive for mounting nozzle on spindle
- allows easy and professional removal of the nozzle
- length: 105 mm



Item #
67230

PRO+

Injector Gasket Puller, 230 mm

- for removal of hard to loosen copper rings



Item #
62630

PRO+

Grinder for 15 mm Injector Nozzle Seating Area

- 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+

5-piece Injector Sealing Cutter Set for CDI Engines

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



Item #
62605

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



Item #
62650

PRO+

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
- plastic gas canister with filter
- heavy aluminium construction



Item #
62655

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+

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+



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+



Window Lift / Door Handle Clip Removing Tool, 270 mm

- hardened
- prevents damaging the door trim

Item #
3543

PRO



Door Handle Clip Pliers

- 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 Weather Strip Molding Remover

- for loosening the car window rubber
- length: 170 mm

Item #
1329

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+



5-piece Special Clip Remover Set, Stainless Steel

- stainless steel
- 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



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



5-piece Scraper and Hook Set

- 1 scraper - 280mm
- 1 scraper - 215mm
- 2 hooks - 200mm
- 1 straight tip - 230mm
- black finish, hardened
- blue sq. head handles

Item #
9132



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



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+



3-piece Hook Set, extra long

- pulling hook, picking hook, grabbing hook
- each hook is 585 mm long

Item #
9130

PRO+



5-piece O-Ring-Hook-Set

incl. magnetic pick up tool

Item #
8035

PRO



4-piece Miniature Hook Set

- stainless steel
- straight tip
- 90° bent tip for O-rings
- hook tip
- combination tip
- length 135mm

Item #
8016

PRO



Assembly Tool, 220 mm

- 2-piece
- 220mm
- straight and bent (45° and 90°) tips

Item #
8015

PRO+ CV



Assembly Tool

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

Item #
8018

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+



Door Adjusting Tool

- for cars and small trucks
- 660 mm length

Item #
3538

PRO+

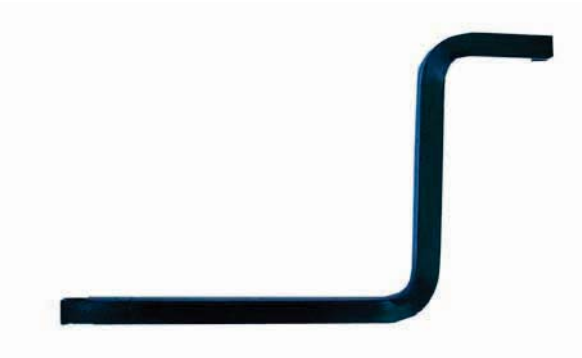


Door Pin Removing Tool, 370 mm long

- 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



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)
- 7 bits: T40-45, spline M4,8,10

packed in plastic wallet



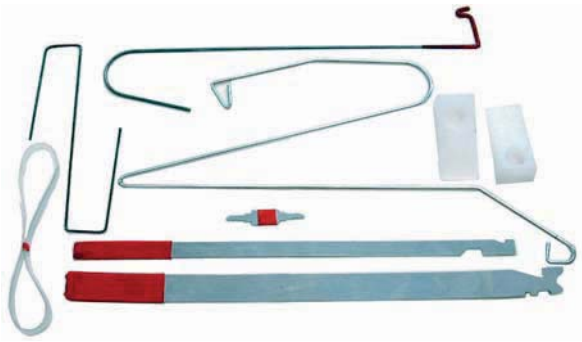
Item #
3539

PRO+

Emergency Car Opening Set

- **sold only to authorised workshops**
- universally applicable

packed in wallet



Item #
3541

PRO

High End Emergency Car Opening Set

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

Packed in a wallet



Item #
3546

PRO+

Air Inflating Pillow

as extension for door opener set 3541



Item #
3544

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 form aluminium

Item #
8246

PRO+



12-piece Airbag Tool Kit

- zum disassembling of 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)

Item #
8147

PRO+



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+

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

in blow mould case



Item #
8014

PRO+

18-piece Needle / Hook Set

for the assembly of radios and navigational system screens, for most car types and brands

in plastic wallet



Item #
8011

PRO+

46-piece Car Radio Assembly Kit, Aluminium Case

- complete assembly kit for car stereos and navigational systems
- suitable for the following brands:
  - Audi
  - BMW
  - Blaupunkt
  - Clarion
  - Opel/Vauxhall
  - VW
  - Audi
  - Ford
  - Grundig
  - Mercedes Benz
  - Becker
  - Porsche
  - Pioneer
  - JVC
  - Panasonic
  - Sony
  - Kenwood
  - Skoda
  - Fiat



Item #
8010

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 any many more
- protectice caps prevent damage of the blades

In plastic case with foam.



Item #
60100

PRO+

17-piece Terminal Tool Set, for Opel / Vauxhall

- removes wires from terminal blocks without any damage
- for round and flat terminal blocks
- special set for Opel / Vauxhall
- protectice caps prevent damage of the blades

In plastic case with foam

Item #
60110

PRO+



11-piece Terminal Tool Set, for VW+Porsche

- removes wires from terminal blocks without any damage
- for round and flat terminal blocks
- special set for VW
- protective caps prevent damage of the blades

In plastic case with foam

Item #
60120

PRO+



7-piece Terminal Tool Set, for Renault/PSA

- removes wires from terminal blocks without any damage
- for round and flat terminal blocks
- special set for Renault /PSA
- protectice caps prevent damage of the blades

In plastic case with foam

Item #
60130

PRO+



18-piece Terminal Tool Set, for BMW+Mercedes

- removes wires from terminal blocks without any damage
- for round and flat terminal blocks
- special set for BMW and Mercedes-Benz
- protectice caps prevent damage of the blades

In plastic case with foam

Item #
60140

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

In plastic case with foam



Item #
60150

PRO+

Lead Perlon Cable 15 m x 3 mm

- for installing antenna cables etc.



Item #
1990

PRO+

Letter Punch Sets

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

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

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

packed in wooden case



Item #
3043

PRO

Spring Compressor Set with 3 Pairs of Jaws

- maximum capacity ca. 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
981	6-piece Replacement Protection Jaw Set for Item# 980

Suspension Strut Compressor Sets

- for MacPherson suspensions

content:
- compressing unit
- 2 spring holder 80 -145 mm
- 2 spring holder 145 - 195 mm



PRO+

Item #	Description
1134	Suspension Strut Compressor-Set, up to 1500 kg
1144	Suspension Strut Compressor-Set, up to 2250 kg

3-piece Spring Compressor Set

- new & improved model
- maximum capacitty: ca. 1650 kg
- spanning length 220 mm
- spindles M15 x 300 mm long



Item #
995

PRO+

2-piece Coil Spring Compressor

- range: 300 mm
- for assembling coil springs
  forged carbon steel
- only for export -non EU!



Item #
1132

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)
- suitable for impact wrenches



Item #
1136

PRO+

Coil Spring Compressor

- black finish
- length 300mm,
- torque via 23mm hex.
- only for export -non EU!



Item #
1131

PRO

25-piece Wheel Bearing Tool

- forged and hardened carbon steel
- for pulling and pushing wheel nuts and bearings despite an already built in suspension strut,
- incl. 9 adaptors 55,5-84mm
- 1 int., 3 ext. puller 76-91mm
- ball bearing spindle 295mm



PRO+

Item #	Description
1520	25-piece Wheel Bearing Tool
170	Loose Ball Bearing, for Item # 1520, capsuled
1520-1	Thread Bolt with Ball Bearing for Item # 1520

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



Item #
8253

PRO+

4-piece Rear Wheel Bearing Remover & Installer Set

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



Item #
64100

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 pad in 34, 36, 38 mm bis 72 mm
- 20 outer pressure pad in 44, 46, 48 mm bis 82 mm
- pressure pads are slotted for visual control



Item #
1514

PRO+

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

Miniature Suction Lifter, Ø 55 mm, ABS

- ideal for removing little body dents etc.
- max. lifting capacity 3 kg, workload 2 kg

Item #
7987

PRO+



Suction Lifter Ø 115 mm, ABS

- with quick release lever
- ideal for fitting windows body repair, etc.
- max. lifting capacity 40 kg, workload 25 kg

Item #
7998

PRO+



Suction Lifter, Ø 115 mm, Metal Finish

- with quick release lever
- maximum lifting capacity 50 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. lifting capacity up to 60 kg, workload 30 kg

Item #
7991

PRO+



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

- with quick release lever
- max. lifting capacity 85 kg, workload 42 kg

Item #
8000

PRO+



Suction Lifters Set: 2x Item # 8000 + Ratchet Strap

- incl. ratchet strap
- contents:
  2 twin suction lifters = 4 suction lifters BGS 8000 and ratchet strap BGS 3500
- for easy transport, assembly and removal of windscreen and rear window

Item #
7997

PRO+



Caulking Gun with Aluminium Cylinder

- for 220 mm standard cartridges
- expert quality
- can also be used as grease gun

Item #
3511

PRO+



Aluminium Caulking Gun, for 380 mm Cartridges

- for 600 ml silicon

Item #
3513

PRO+



Skeleton Type Heavy Duty Caulking Gun

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



Item #
3510

PRO+

Caulking Gun, 300 mm long

- pistol-type
- smooth bar
- for standard cartridges (220 mm)



Item #
3506

Caulking Gun, 300 mm long

- with toothed bar
- heavy duty
- zinc coated
- incl. sleeve cutter
- workshop quality
- for standard cartridges (220 mm)



Item #
3509

PRO

Caulking Gun, 300 mm long

- steel skeleton frame
- orange lacquered finish
- for standard cartridges (220 mm)



Item #
3507

Spare Nozzle for Standard Cartridges

- suitable for all standard cartridges



Item #
3512

Grease Gun

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

Item #
3065

PRO+



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, up to 10.000 Psi

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

Item #
3140

PRO+



Flexible Delivery Tube, 300 mm

- for item nr. 3065, 3140, 3141, 3236

Item #
3066

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+



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.

In carrying case

Item #
3145

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+



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



Soft Face Hammer, Head Ø 35 mm

- plastic/nylon face
- exchangeable faces
- wooden shaft

Item #
1864



Bumping / Soft Face Hammer, Fibreglass Shaft, Head Ø 35 mm

- plastic/nylon face
- exchangeable faces
- fibreglass handle, rubber insulated

Item #
1866

PRO



Plastic Face for Item # 1864+1866, 35 mm Ø, yellow

yellow

Item #
1869

PRO



Bumping Hammer, 225 g, Serration Pattern

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

Item #
1676

PRO+



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



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

In blow mould carrying case



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+

7-piece Body Repair Set

- 3 hammers
- 1 small anvil and 3 sledge hammers
- with fibreglass shafts



Item #
1670

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

13-piece Body Repair Iron Set

Various body and panel beating instruments, packed in blow mould case (as displayed)

In blow mould carrying case



Item #
9138

PRO+

11-piece Body Repair Set with Sliding Hammer

- allround panel hammer (10 lbs)
- 9 different hooks and accessories

Packed in blow mould carrying case



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

In blow mould carrying case



Item #
1677

Panel 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, 350 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

4-piece Scraper Set, 50-80-100-120 mm, Plastic



Item #
1634

PRO

4-piece Scraper Set, 50-80-100-120 mm, Spring Band Steel

- shiny blades



Item #
1636

PRO

Hand Grinder, 105x210 mm

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



Item #
1638

PRO

Body and Fender Repair Kit, hydraulic, 4 TO

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

Packed in metal case (as displayed)



Item #
1688

PRO

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



Item #
1689

PRO+

Welding Spot Cutter, 70 mm long

- manufactured from HSS
- a quality tool in constructing bodies 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
- weld drill 8x80 mm
- 5 double ended cutter crowns 9,5 mm
- 2 pilot pins

In metal case

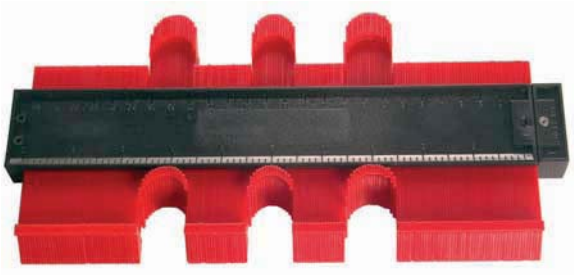


Item #
1632

PRO+

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
- gauges can be connected with each other



Item #
8025

PRO+

Contoure Gauge, Fine, Length 125 mm

metal finish



Item #
8149

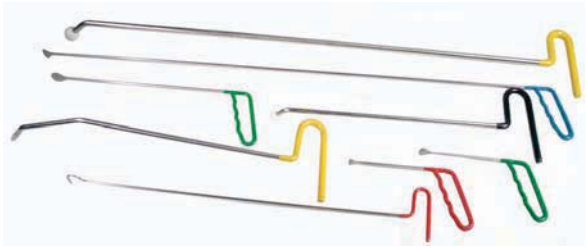
PRO

8-piece Dent Removal Tool

- for the removal of dents in a car's bodywithout damaging the finish
- ideal for removing small dents and damaging caused by hail

various head 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



Item #
1659

PRO+

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, 155 mm
- 1500 g sliding hammer weight
- 1/4" pneumatic 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 # 68000
68000-120	Suction Head 120 mm ø, for # 68000
68000-160	Suction Head 160 mm ø, for # 68000

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
- DBGM



Item #
3965

PRO+

Combination Edge Setter and Folding Pliers, straight

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



Item #
6160

PRO+

Combination Edge Setter and Folding Pliers, 45° OffSet

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



Item #
6161

PRO+

Combination Edge Setter and Folding Pliers, 90° OffSet

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



Item #
6162

PRO+

Power Magnets, each 5 kg Capacity, 4 pieces

- perfect for adjusting car body parts and accessories for final assembly
- rubber coated magnets



Item #
7994

PRO+

Dent Removal Set

- for inexpensive dent repairing
- hot melt glue gun with 2 glue sticks
- 1 plastic scraper fro removing glue
- 1 soft panel beating pen



Item #
8057

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 / 55mm
- for separating ball joints



Item #
1795

PRO+

Ball Joint Puller, extra large

- designed for working on trucks
- forged, variously applicable
- 20 mm jaw opening



Item #
1802

PRO+

Ball Joint Shifters

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



Item #
1813

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

Prong 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

- 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+

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

5-piece Fork Type Separator Set

- jaw opening approx.17,4 - 23,8 - 28,5mm
- manufactured from forged carbon steel,
- 2 exchangeable handles
- 1 for manual use and 1 for air hammer use/adaptor



Item #
1806

PRO+

Ball Joint Separator

- forged carbon steel



PRO+

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

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

Truck Ball Joint Extractor

- heavy duty type
- includes 3 exchangeable prongs with 25 mm, 32 mm und 47 mm opening
- prongs can be easily exchanged
- maximum opening 118 mm
- 24 mm ejection spindle with hardened ball tip, 27 mm hex drive
- 2 fixing bolts M10x80 and M10x20



Item #
8294

PRO+

Ball Joint Puller, 18 mm Capacity

- forged
- zinc coated



Item #
1803

PRO

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+

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

PRO

VW T4 Supporting Joint Tool Set

- suitable for VW T4 front axle
- for professional assembly and disassembly of the uppersupporting 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 at BMW E 36 series
- exchangeable yokes allow multi-purpose use
- can also be used for hydro and plastic bearings



Item #
1525

PRO+

Hydraulic Ram, 12 to

- replacement part for BGS 1525
- suitable for further applications
- hex. drive (or spinning bar)
- exterior thread Whitworth 55° 16 G 3/8"



Item #
1526

PRO+

17-piece Clutch Aligning Set

- 8 conical centering adapter for clutch discs with Hole in sizes 14.5 to 25.5 mm
- 8 adapters for centering in 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+

Clutch Aligning Punches

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



Item #
1709

PRO+

Clutch Aligning Punch

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



Item #
1710

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+

Clutch Piston Holder

application:
graps into the clutch driver grooves and arrests it
so that the central nut can be loosened securely.



Item #
1713

PRO+

Workshop Light

- CE insulated
- VDE, 220 V
- cable 5 m long
- ballast in handle



Item #
9710

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
- for 230 V, with 12 V adaptor



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
- integrated rechargeable battery (4 hour run-time)
- 230 V standard & 12 V car charger



Item #
85300

PRO CE

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



PRO+ CE

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 #
85330

PRO+

LED Under Bonnet Working Lamp with Rechargeable Battery

- 120 LED, LED LUM 12.000 MCD
- with **telescopic bar**, extends 110 to 190 cm
- 360° swivel hook
- Battery 7,2 V (6x AAA 900mAh NI-MH)
- works for 3 hours after fully loaded
- LED charge status indicator
- for 230 V, with 12 V adaptor



Item #
85410

PRO+ CE

Under Bonnet Working Lamp

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



Item #
85305

PRO+ CE

12 LED Working Light / Head Light

- adjustable light
- use with standard batteries (supplied)



Item #
9711

PRO

LED-Worklight

- magnetic base diameter 23 mm
- multi purpose
- 200 mm flexible swan neck
- incl. batteries



Item #
9300

PRO

24 LED Magnetic Work Light

- for 3x AAA batteries (not included)



Item #
85405

CE

Flexible 3-in-1 Light

- fiber optic cable Ø 3 mm



Item #
3194

PRO+

Magnetic Camber Gauge

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

in plastic case



Item #
1523

PRO+

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 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+



Axial Joint Tool, 34-45 mm

- 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
- for joint heads Ø 35 - 45 mm
- works with 1/2" ratchets or 27 mm sockets

Item #
66525

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
6122	Spare Punch Head for Item Nr. 6120, 6 mm
6121	Repair Part for Punch Pliers 6120, 5 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, power 1,25 mm normal material, throat 40 mm, length 280 mm
- special pliers for punching and retracting folded workpieces

Item #
6141

PRO+



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

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



Magnetic Pick-Up Tool with flexible End

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

Item #
3183

PRO



Telescopic Magnetic Pick-Up Tool, extendable up to 630 mm

- high capacity (up to 2200 g)
- insulated handle with clip-holder
- end ø 10 mm

Item #
3088

PRO



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

- magnetic end diameter:15 mm (with rubber coating 18 mm)
- the removable coating 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



Magnetic Pick-Up Tool, extendable up to 500 mm

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

Item #
3091

PRO



Flexible Magnetic Pick-Up Tool, 500 mm

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

Item #
3089

PRO+



Magnetic Pick-Up Tool, 560 mm

- flexible with plastic coating
- capacity up to 1500 g
- head insulated

Item #
3090

PRO



Magnetic Pick-Up Tool with Light, Length 600 mm

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

PRO

Item #	Description
3187	Magnetic Pick-Up Tool with Light, Length 600 mm
73	Spare Light Bulb for Item Nr. 3187



Inspection Mirror / Magnetic Pick-Up Tool Set

- 620 mm long with light
- extremely thin, therefore ideal for narrow spaces
- interchangeable magnetic tool and mirror
- with additional extension (included) max. length 1,10 m

PRO

Item #	Description
3186	LED Inspection Mirror / Magnetic Pick-Up Tool Set
70	Loose Spare Light Bulb for Item Nr. 3186



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



Inspection Mirror, ø 55 mm Mirror

- **flex. shaft**
- length 475 mm

Item #
3081

PRO



Inspection Mirror with Light

- mirror with universal joint
- length approx. 470 mm
- **flexible shaft**
- sold without batteries

PRO

Item #	Description
3189	Inspection Mirror with Light
71	Loose Spare Light Bulb for Item Nr. 3189



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



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 mirror, diameter of mirrors: 21-31-38 mm
- bag and batteries included

Item #
3095

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+



Flexible Pick-Up Tool

- CLAW spring-loaded claw for picking up screws nut etc. in hard to reach places

Item #
3093



Magnetic Lifter / Flexible Claw Combi Tool

- length 700 mm
- power of magnet: 400 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

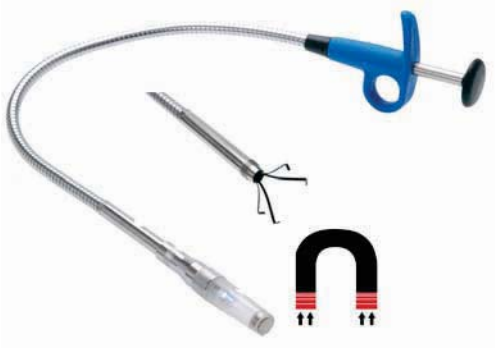
Item #
3094

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 to find lost small parts even in dark areas



Item #
3197

PRO

Flexible Pick Up Tool, Length 595 mm

- all steel made



Item #
3102

PRO+

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 crank-shaft 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+

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

- complete classification chart included



Item #
8148

PRO+

63-piece Fiat / Alfa / Lancia Engine Timing Tool Kit

contains important tools for adjustment:
- 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)



Item #
8159

PRO+

VAG Engine Timing Tool Kit

contains important tools for adjustment:
- flywheel
- crankshaft
- camshaft
- fuel injection pump shaft
- belt pulley
- tensioning of the timing belt

- complete classification chart included

- for 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



Item #
8155

PRO+

Engine Timing Tools for VW 1.2 L Engines

- 2 pieces
- also replacemnet for BGS 8153 / 8155



Item #
8155-1

PRO+

Engine Timing Tool for VW 1.2 L Engines



Item #
8155-2

PRO+

Engine Timing Tool Set for VW Polo, Lupo

- for 1.2 L 3-cylinder engines
- for locking of both camshafts and crankshaft
- suitable for 1,2L VAG engine:
  Fabia 1,2l 12V AWY, AZY, BMD, BME
  Polo 9N 1,2l 12V AWY, AZY, BMD, BME
  A2 1,2l 6V und 12V AWY, AZY, BMD, BME



Item #
8158

PRO+

5-piece Engine Timing Tool Kit for VW Diesel Engines

- for 2.4 L Diesel-engines, e.g. LT,
- for engines codes AAB, AJA



Item #
8216

PRO+

3-piece Engine Timing Tool Kit for VAG

- suitable for VAG FSI and TFSI 1.4L and 1.6L engines
- contains twin camshaft locking tools and a setting gauge holder
- fits for engine codes AXU, BAG, BKG, BLF, BLN, BLP
- to check and adjust camshaft timing
- required when replacing timing belts or timing chains



Item #
62625

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+

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+

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



Item #
8275

PRO+

3-piece Crankshaft Timing Belt Pulley Locking Tool Set

- for VAG 2.0 liter TDI with oval crankshaft wheel
-includes:
  -crankshaftlocking Tool
  -lockingbolt for pump
  - locking plateforidler



Item #
62640

PRO+

Engine

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+



Face Plate Removing Tool, Audi A4

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

Item #
8023

PRO+



Camshaft Guide, 170 mm, VW

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

Item #
8122

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+



11-piece Engine Timing Tool Kit for BMW Engines

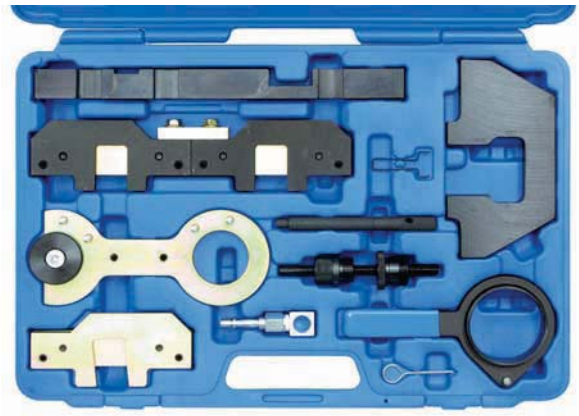
- for engine codes:
  - M40, M43
  - M42, M44, M50, M52, M 54, M56
    (engines with double camshafts)

contains important tools, e.g. for:
- camshaft assembling / disassembling
- M 40 timing belt change
- valve timing of 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)

Item #
62615

PRO+



26-piece Engine Timing Tool Kit for BMW Engines

- for engine codes:
  - N42, N46, B18/-A, B20/-A/-B

contains important tools, e.g. for:
- camshaft assembling / disassembling
- valve timing of camshafts

- fits followings models:
  - BMW: 1, 3, 5, X3, Z4
    (type seriesE87-46-60-85-83-90-91)

Item #
62617

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

Item #
62616

PRO+



11-piece Engine Timing Tool Kit for BMW

contains important tools for adjustment:
- flywheel
- crankshaft
- belt pulley
- for following series:
  E30, E34, E36, E36/7, E36/8, E38, E39, E46



Item #
8146

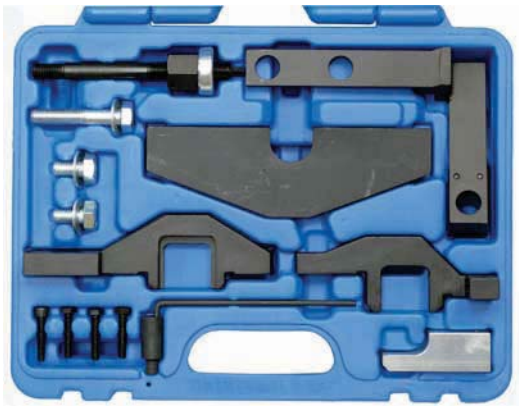
PRO+

13-piece Engine Timing Tool Kit for BMW Mini

- for engine codes:
  - W10, W11, N14

contains important tools, e.g. for:
- camshaft assembling / disassembling
- fixation of crankshaft

- 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+

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+

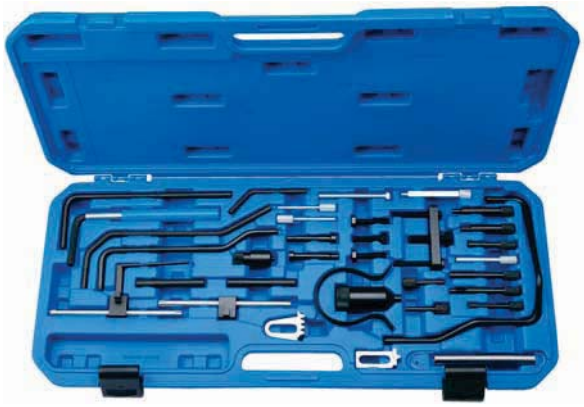
Engine Timing Tool Set for Citroen / Peugeot

contains important tools for adjustment:
- flywheel
- crankshaft
- camshaft
- fuel injection pump shaft
- belt pulley
- tensioning of the timing belt

- complete classification chart included

- suitable for Citroen and Peugeot 16V Benzin Motoren i.e. 1,8l-16V and 2,0l 16V with
  enginecode EW (incl. HPI engines) z.B. C5, 206, 306 and 406
- suitable for Citroen und Peugeot 1,9D; 2,0D; 2,2D
  enginecode 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



Item #
8152

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
- tensioner pulley locking pin
- flywheel timing pin
- crankshaft timing pin
- camshaft sprocket locking tool



Item #
8218

PRO+

Engine Timing Tool Set for Ford

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

- complete classificationchart included

- for i.e.: 1,4 ltr. + 1,6 ltr 16V + 1,7 ltr. + 1,8 ltr. 16V + 2,0 ltr. 16V (also Zetec)
- 1,6 ltr. -1,8 ltr. and 1,9 ltr. D/TD/TDCi



Item #
8156

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

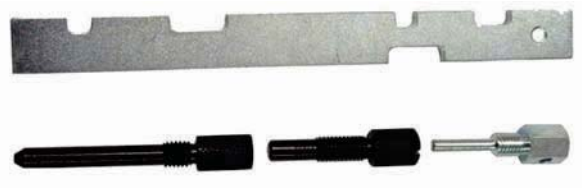


Item #
66350

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



Item #
8215

PRO+

26-piece Engine Timing Tool Kit for Honda, Mazda, etc.

- for. Honda, Mazda, Subaru, Hyundai, Daewoo, Chevrolet, etc.
- important kit when working on the engine, e.g.. timing belt, general engine settings, camshafts, etc.
- incl. application chart



Item #
68300

PRO+

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+

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) i.e. in Vectra C and Signum ´04
- Opel Z13 DT engines i.e. 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) i.e. Corsa, Agila, Astra and Meriva
- Opel 2,0l and 2,2l Ecotec diesel-engines (X20DTL, X20DTH, X22DTH) i.e. Astra, Astra, Caravan, Zafira, Vectra, Omega, Sintra and Frontera

Engines may be identical in construction to Renault and Saab



Item #
8151

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+

Engine Timing Tool Set for Renault

contains important tools for adjustment:
- 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 16V-technic
- 2,5 ltr. 20V with doublecamshaft
- 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.
  (partially as well Opel Arena/Movano u. Volvo V/S 40)



Item #
8154

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.
- inkl. application chart



Item #
68310

PRO+

Engine Timing Tool Kit for Mercedes-Chrysler-Jeep, 8-tlg.

- contains tools for locking flywheel and camshaft
- for CDI 2.0L - 2.2L - 2.7L - 3.3L - 4.0L
  D-DT 2.0L - 2.2L - 2.5L - 2.9L - 3.0L
  petrol .8L - 2.0L - 2.3L



Item #
8222

PRO+

Waterpump Disassembling Tool

- fits VW T5, Touareg 2.5D
- 1 gear wheel puller for disassembling of the waterpump gear wheel
- 1 water pump puller for disassembling of the waterpump
- special key for T5 crankshafts for counterholding the crankshaft when loosening the waterpump's gear wheel screw



Item #
8221

PRO+

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+

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

- combines the advantages of a gear 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+

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+

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+

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+

Balancer Puller / Installer 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

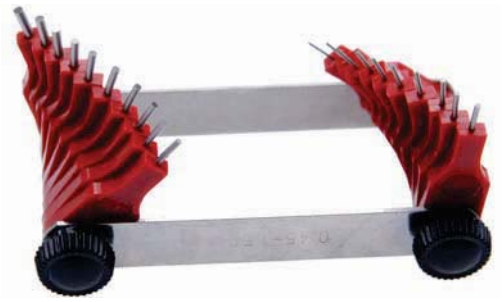


Item #
7711

PRO+

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+

Carburetor Screwdriver, 6 mm Plain Slot, 80 mm long

- non-slip rubber handle

Item #
728

PRO CV



Carburetor Screwdriver, PH #2, 80 mm long

- non-slip rubber handle

Item #
729

PRO



Carburetor Screwdriver

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

Item #
8017

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

Item #
1874

PRO+



Piston Ring Compressors

PRO+

Item #	Description
1887	Piston Ring Compressor, 40-80 mm, 1-Ring Compressor 50x80 mm
1888	Piston Ring Compressor, 53-125 mm, 2-ring Compressor 75x125 mm
1889	Piston Ring Compressor, 53-175 mm, 2-Ring Compressor 75x125 mm



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



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

- chrome plated
- hardened

In tetron wallet

Item #
1548

PRO+



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



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



4-piece Pry Bar Set

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

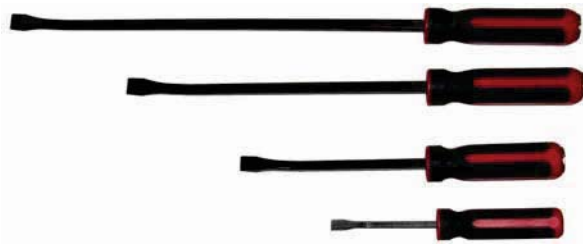
Item #
9135



4-piece Mechanic's Pry Bar Set

- 200-300-450-600 mm
- slip guard handels with steel head

Item #
9137



4-piece Pry Bar Set

- satin chrome plated
- 1 pcs. 900 mm (36") straight pry bar
- 1 pcs. 900 mm (36") 30° offset pry bar
- 1 pcs. 600 mm (24") 75° offset pry bar
- 1 pcs. 600 mm (24") 90° offset pry bar
- plastic handles with metal head

Item #
9139



4-piece Pry Bar Set

- 4 different pry bars for
  all kinds of applications on trucks
  and other heavy vehicles
- rubber coated soft-grip

in blow mould case

Item #
9133



Pry Bar, 780 mm

- satin chrome plated
- with acid resistant handle



Item #
9134

PRO+ CV

Wrecking Bar, 600 mm

forged



Item #
9136

PRO

Wrecking Bars, extra strong

- **extremely strong**
- forged and hardened
- with claw and splitter
- no lateral adjustment



PRO+

Item #	Description
52106	Wrecking Bar, 600x30x17 mm
52109	Wrecking Bar, 910x30x17 mm

Adjustable Wrecking Bar, 60-86 cm

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



Item #
52120

PRO+

Ripping Bar / Nail Puller, flat

- with 2 nail slots and flat claws
- length: 380 mm



Item #
52138

PRO+

Wrecking Bar, extrem stabil

- with claw and splitter
- no lateral adjustment
- oval profile
- extra strong shape: 22x12 mm, 400 mm length



Item #
52104

PRO+

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+

One Man Brake Bleeder

for motorcycles



Item #
8171

PRO

Brake Bleeder Tool

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



Item #
8066

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 is made from high grade steel
- housing is made from stainless steel



Item #
991

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+

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

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+

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+



Separating and Riveting Tool for Motorbike Chains

- for separating and riveting chain
- suitable for chain 35 up 630
- also suitable for engine timing chain
- 3 separating tips included: 2.2-2.9-3.8 mm

Item #
1749

PRO+



All Purpose Chain Separating Tool

- for pressing rivets out of the chains, simply push out the rivets

Item #
1743

PRO+



Motorcycle Special Socket, 19-22-24 mm

- three different int. hex. sizes:
  19 mm: Yamaha
  22 mm: Kawasaki
  24 mm: Suzuki & Honda
- for assembling / disassembling of the full floating axle
- 19 or 22 mm hex. drive socket (socket not included)

Item #
5059

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 & 16-24 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 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

for OPEL :
- Astra G 1.4/1.6/1.8 16v

Item #
1770

PRO+



Camshaft Locking Tool for Left Hand Camshafts

for Opel:
- Omega-B 2.5/2.6/3.0/3.2 V6
- Sintra 3.0 V6
- Vectra -A 2.5/2.5i/2.6 V6

Item #
1766

PRO+



Camshaft Locking Tool, fitting for the most Rover + MG Models

33,5 x 44,5 x 15 mm

Item #
1764

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 cam shaft

content:
- crank shaft locking device
- adjustment gauge for cam shaft
- locking device for drive belt
- locking the left cam shaft
- locking the right cam shaft

Item #
1779

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+



Flywheel Locking Tool

for Citroen-Fiat-Peugeot

Item #
1771

PRO+



Universal Twin Cam Lock

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



Item #
1799

PRO+

Camshaft Locking Tool for 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



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 90, A4, A6 1994-97
  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, ART, AWN, BBD, BCY, BFM 1998-2003 and
  VW Touareg and Phaeton
- avoids distortion of the camshaft during tooth belt assembly
- allows easy and precsie assembly of the tooth belt



Item #
8234

PRO+

12 Volt Oil Pump

- max. flow rate for engine oil approx. 3 l/min
- max. flow rate for Diesel or heating oil app. 250 l/h
- 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

Manual Oil Suction Pump, Capacity 200 ccm

for suction of small amounts of gear and clutch oil



Item #
4065

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+

Adator Set for Oil Filler Tool BGS 8056

- suitable for:
  Mercedes 722.9
  VW / Audi DSG
  VW / Audi CVT



Item #
9990

PRO+

Oil & Battery Fluid Flasks

- acid, oil and alkali resistible
- with threaded nozzle for fillers
  (filler not included)



PRO+

Item #	Description
9983	Oil & Battery Fluid Flask, 2 L
9984	Oil & Battery Fluid Flask, 4 L

Oil Funnel, 850 ml Reservoir

- square type



Item #
9986

PRO+

Oil Tub / Drip Pan, 14 l. 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 l. 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+

4-piece Oil Bar Gauges 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 bar gages
- 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+

Pressure Pump for Oil Barrels

- for easy extraction of engine oil from barrels
- pneumatic overpressure pump dispenser for oil barrels up to 20 liters
- simple and easy to operate
- extracting and filling at the same time
- for all non-corrosive liquids
- spark free pneumatic operation
- extension pipe for narrow spaces



Item #
9210

PRO+

21-piece Oil Drain Socket Set, 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

12-piece Universal Drain Plug Key Set

- 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+

Drain Plug Key Set, for all Car Types

- for all sorts of cars
- used in combination with spark plug socket or wrench 14 mm/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.)

In blow mould case



Item #
1015

PRO+ CV

Drain Plug Key Set, 8-14 mm

- satin chrome finish
- on socket rail
- 1/2" int. square head drive
- sizes: 8-10-12-14 mm, 1/2" & 3/8"
  square head



Item #
1016

PRO+ CV

Special Oil Drain Plug Wrench, 8x10 mm

- forged
- for PEUGEOT



Item #
1006

PRO

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

48-piece Oil Drain Thread Repair Kit

- 5 spare screws **M15 x 1.5**
- 10 washer plates for M15
- 1 tap HSS-G M15 x 1.5

- 5 spare screws **M18 x 1.5**
- 10 washer plates for M18
- 1 tap HSS-G M18 x 1.5

- 5 spare screws **M20x 1.5**
- 10 washer plates for M20
- 1 tap HSS-G M20 x 1.5



Item #
125

PRO+

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

534-pcs. Oil Drain Plug Screws and O-Ring Assortment

- Oil Drain Plus 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+



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



Universal Oil Filter Wrench, 80-100 mm

- with joint
- for oil filters with a diameter between
  80-100 mm

Item #
1034



Oil Filter Strap Wrench, ideal for DIY Use, Length of Strap: 460 mm

- rubber coated strap

Item #
1021



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+



Strap Wrench, High End Nylon, up to 170 mm Ø

- various applications possible
- for pipes with diameters up to 170 mm
- double strengthened strap, non-slip rubber coating,
- self adjusting

Item #
1023



23-piece Cap Oil Filter Wrench Set, Aluminium Diecast

12.5 ■ 1/2

- 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 #
1035



6-piece Plastic Oil Filter Wrench Set

10 ■ 3/8

- for 3/8" drive
- sizes:
  65 mm / 67 mm x 14 pt.
  74 mm / 76 mm x 15 pt.
  76 mm x 14 pt.
  76 mm / 80 mm / 93 mm x 15/30/36 pt.
  93 mm x 15 pt.
- 1 adaptor 3/8" to 1/2"

Item #
1018



30-piece End Cap Oil Filter Wrench Set

- black finish caps
- three leg oil filter wrench
- adaptor 10 (3/8) x 12.5 (1/2)

Item #
1

PRO+



Set Contents

Part #	Size	Steps	Grooves	Planes	Example Applications
66/6	66	1	6		Fiat Punto 1.2, Renault Clio 1.2, Rapid, Twingo
65/14	65	1		14	Daihatsu, Toyota, Nissan, Fiat
66/67	65-67	1		14	Daihatsu, Toyota, Nissan, Fiat
68/14	68	1		14	Mazda, Ford, Subaru
73/14	73	1		14	Toyota, Lexus
74/15	74	1		15	Audi, Rover , Chrysler
74/76	74-76	2		15	Ford, Opel, VW, Audi, Mercedes
75/77	75-77	2		15	VW, Audi, Isuzu, Mercedes
76/12	76	1		12	Fiat, Mercedes, Renault
76/14	76	1		14	VW, Porsche, Mercedes-benz, BMW, Audi, Opel
76/30	76	1	30		Ford
76/8	76	1	8		Fiat, Lancia
78/15	78	1		15	Nissan, Ford, Toyota
80/15	80	1		15	Nissan, Honda, Opel, Mazda
80/82	80-82	2		15	Subaru, Toyota, Honda, Nissan
86/16	86	1		16	Volvo
86/18	86	1		18	VW Golf, Audi A6 TDI, Peugeot, Citroen
90/15	90	1		15	Honda, Mitsubishi, Isuzu
92/10	92	1		10	Fiat
93/15	93	1		15	Mazda, Volvo, Mitsubishi, Nissan, Honda
93/36	93	1	36		Ford
93/45	93	1	45		VW, Audi TDi
95/15	95	1	15		Toyota, Alfa, Ford
96/18	96	1	18		Audi A4, A6 TDI, VW Passat TDI, Renault Laguna
100/15	100	1		15	Isuzu, Mitsubishi
106/15	106	1		15	Fiat Ducato
108/15	108	1		15	Volvo
108/18	108	1	18		Renault Espace, Laguna, Safrane, Traffic

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
1019-1	Oil Filter Band Wrench, 160 mm
1019-106	End Cap Oil Filter Wrench,106 mm x 15-edge
1019-107	End Cap Oil Filter Wrench,107 mm x 15-edge
1019-108	End Cap Oil Filter Wrench,108 mm x 15-edge
1019-108-18	End Cap Oil Filter Wrench,108 mm x 18-edge
1019-135	End Cap Oil Filter Wrench,135 mm x 18-edge
1019-36	End Cap Oil Filter Wrench, 36 mm x 6-edge
1019-74	End Cap Oil Filter Wrench, 74 mm x 14-edge

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

3-piece End Cap Oil Filter Wrenches

10 ◘ 3/8

- 27-32-36 mm
- VW-Audi-BMW-Mercedes



Item #
1037

PRO+

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

Chain Oil Filter Wrench, 1/2"

12.5 ▪ ½

- for all sorts of cars
- with 30 chain links
- with ext. hexagon

Item #
1020

PRO



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

12.5 ▪ ½

- heavy duty finish
- with extremely robust 32 chain links

Item #
1033

PRO +



Chain Oil Filter Wrench, 400 mm

- vinyl handle

Item #
1022



Professional Oil Filter Chain Wrench

12.5 ▪ ½

- pro version with duplex chain
- chain width 13 mm
- chain length 230 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 Wrench for Oil Filter Diameter 60-105 mm

- heavy duty tool with duplex chain
- chain width approx. 22 mm
- handle satin chrome finished
- claw prevents slipping
- 180° swivel handle
- ease to use due to special chain-lock
- suitable for oil filters 60-105 mm
- length: 350 mm

Item #
1003

PRO +



Three Leg Oil Filter Wrench, 3/8" int. Square Head Drive, 19 mm hex. Adaptor

10 ■ 3/8

- for filters with a diameter between 70-120 mm

Item #
1030

PRO



Three Leg Oil Filter Wrench, 3/8" int. Square Head Drive, 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, 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+



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+



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+

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-raech 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 12 0mm
- slipping around the filters is avoided by 6 heavy claws on each jaw



Item #
8271

PRO+

250 mm Oil Filter Pliers

- 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 Wrench, 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



Self Grip Oil Filter Pliers, 53-115 mm

- forged
- nickel plated
- range of jaw: 53-115 mm
- 230 mm long

Item #
1038

PRO+



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: 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
8027-30	Connector R123/R124 for Art. 8027, black
8027-31	Connector R123/R125 for Art. 8027, blue
8027-32	Plastic Wrench for Art. 8027



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**



Item #
8098

PRO+

9-piece Truck Radiator Pressure Test Kit

- with pump and 7 adaptors
- for nearly all truck brands, such as DAF, IVECO, Mercedes-Benz, MAN, Scania, Renault, Volvo
- for testing cooling system pressure
- incl. application chart und manual



PRO+

Item #	Description
8097	9-piece Truck Radiator Pressure Test Kit
8097-1	Pump for Radiator Pressure Test Kit Art. 8097
8097-2	Hose for Radiator Pressure Test Kit Art. 8097
8097-3	Adaptor Scania-113,-114,-124,-125 for Art. 8097
8097-4	Adaptor DAF-XF 95, XF 105 for Art. 8097
8097-5	Adaptor MB-Actros,-Atego,-Axor, IVECO for Art. 8097
8097-6	Adaptor IVECO-LKW-Daily 2000 C-Serie for Art. 8097
8097-7	Adaptor MAN-L 2000, -TGA for Art. 8097
8097-8	Adaptor Volvo-FH 12 for Art. 8097
8097-9	Adapter MB-Sprinter (-> 2006) for Art. 8097

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

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

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

Refractometer

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



Item #
1824

PRO+

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

PRO+

6-piece Cooling System Bleeding and Refill Tool

- for bleeding the cooling system by negative pressure
- universal type with quick release adaptor
- long lasting metal construction
- flexible hose included for jobs in hard to reach areas
- gauge with rubber protection (tolerace +-2%)
- rubber head adjusts to nearly all car types
- pressure can be maintained in the system
- cooling system can be filled with cooling liquid through hose (included)
- German and English instruction manual included



Item #
1773

PRO+

Compression Tester, 14 +18 mm Adaptor

- 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 probe engine valve and piston rings
- ! Shut down power of ignition coil before working with this tool !



Item #
8005

PRO+

Compression Tester, 12 +14 mm Adaptor

- 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, 10 +14 mm Adaptor

- 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+

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

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+

Diesel Engine Compression Testing Kit

- the included various adaptors (for glowplugs and dummy injectors) make this kit multi-applicable
- 1 manometer (0-70 bar) (tolerace +-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



Item #
8008

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



Item #
62645

PRO+

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%)



Item #
8007

PRO+

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+

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



Item #
8026

PRO+

25-piece Carburetor Tester, 0-14 PSI

- for synchronal testing of 2-4 carburetors
- for cars and motor bikes
- 4 manometers
- 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+

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



Item #
62650

PRO+

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
- plastic gas canister with filter
- heavy aluminium construction



Item #
62655

PRO+

Digital Laser Thermometer

- taking temperatur without touching via laser technology
- range -20 up to +200° Celsius
- precision 2%
- incl. synthetic leather case, 9V battery



Item #
2190

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
- weight ca. 160 g

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+



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: - 10 seconds
- warm up: - 60 seconds
- operating temperature: -5°C to 45°C
- measuring range from:
  - methane 120 - 1920 ppm
  - propane 40-640 ppm
- sensitivity: 40 ppm

Item #
2198

PRO+



Mechanics Stethoscope

- suitable for detecting faults in engines, bearings and other moving parts
- comes with two probes



Item #
3535

PRO

Tachometer

- digital display
- photoelectronic
- measuring range: 1 - 99.999 rpm
- tolerance +-0,05% +1d
- in plastic protection case



Item #
2188

PRO+

Electronic Stethoscope

- the stethoscope allows fast and easy locating of noises and helps to find the cause of a motor problems



Item #
3530

PRO+

Color Borescope with 5.5 mm Camera Head

- swan neck with super thin 5.5 mm camera head
- 2.4 " (6.1 cm) color LCD
- resolution 320 x 234 pixels
- the ideal endoscope for car mechanics, maintenance technicians, surveyors, plumbers and many more professions
- an indispensable aid even for home and hobby use
- helps to determine errors, weaknesses or problems in advance
- perfect illuminationbecause of adjustable brightness LEDs on the camera head
- removable gooseneck
- comes with nylon storage bag
- wide application range through minimum bending radius of only 10 mm
- viewing angle 109 °
- large focal length 8 - 50 mm
- IP67 water protection up to a water depth of 1m for 30 min.
- technical data:
  - camera head: 5.5 mm
  - 1000 mm flexible gooseneck
  - dimensions: 240 x 120 x 82 mm
  - works with 9V battery 6LR61 (not included)



Item #
63235

PRO+

Color Borescope with 5.5 mm Camera Head, with video function, wireless

- **freeze frame and video zoom mode**
- **removable color LCD**
- swan neck with super thin 5.5 mm camera head
- 3.5 "(8.8cm) color LCD
- the ideal borescope for car mechanics, maintenance technicians, surveyors, plumbers and many more professions
- an indispensable aid even for home and hobby use
- helps to determine errors, weaknesses or problems in advance
- perfect illumination because of adjustable brightness LEDs on the camera head
- 1000 mm flexible swan neck
- 5.5 mm super thin video head
- water protection class IP67 allows use of camera head 1m under water for up to 30 mins
- 12x electronic zoom function
- the monitor can be detached from the device and placed separately
- images and videos can be stored on SD card (included)
- incl. 2GB micro SD card, SD card adapter, cable for TV and PC, battery for handle unit and monitor, charger with Y-cable
- rechargeable batteries included



Item #
63240

PRO+

Video Borescope with LED Lighting

- 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

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+

USB Endoscope with LED Light

- USB connection with 2 meter cable for viewing and saving pictures on the computer
- water proof mini color camera
- probe diameter 14 mm
- swan neck length 80 cm
- the USB endoscope is used together with a Windows compatible computer as an optical test device
- the color camera with adjustable LED lighting is located at the tip of the 80 cm long Swan neck
- the attached software allows videos to be recorded + snapshot function
- power supplied from USB interface

- technical data:
  Optical resolution: 640 x 480 pixels
  Bending radius: (min.) 60 mm
  Light source: white LED
  Minimum focusing distance: 60 mm
  Field of view: 54°
  Picture sensor: VGA CMOS
  Weight: 350 g

- package content: USB-endoscope, Magnet attachment, Software-CD
  Operating instructions

In carrying case





Item #
63220

PRO+ CE

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

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

Attachable Shell for Item Nr. 2992

- dimensions without mounting bracket:
  277 x 120 x 30 mm
- dimensions with mounting bracket:
  277 x 144 x 30 mm

Item #
2993



Mechanic's Creeper, 103x50x10 cm, with working light

- made from resistant PE material
- max. capacity: 150 kg
- 6 castors Ø 75 mm
- 103 cm length x 50 cm width
- LED working lamp for under car lighting included
- comfortable head rest

Item #
2996

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: 120mm

PRO

Item #	Description
2995	Mechanics Creeper / Seat
2997	Spare Wheel for Item Nr. 2995



Roller Seat

- plastic tool storage tray underneath the seat
- plastic
- black
- with 4 rolling wheels

PRO+

Item #	Description
1919	Roller Seat
1916	Spare Wheels for Item Nr. 1919



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

PRO+



Tire Valve Installer

- plastic, perfect for aluminium rims
- length 285 mm

Item #
1538

PRO



2-piece Tire / Valve Tool

- for the assembly of valves
- length: 130 mm

Item #
1536

PRO+



Valve Core Torque Tool 0.25 NM

- maximum torque limited to 0,25NM
- for screwing in rubber-sealing valves
- no more overwinding, no more damaged seals
- accoustic alert when reaching the max. torque

Item #
1550

PRO+



Valve Core Torque Tool 0.45 NM

- maximum torque limited to 0.25 NM
- for screwing in metal-sealing valves
- no more overwinding, no more damaged seals
- accoustic alert when reaching the max. torque

Item #
1551

PRO+



Wheel Balancing Weight Pliers, 240 mm

- chrome plated
- insulated handles

Item #
1539

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: 0,15 - 9,50 BAR
- display reads in:
  BAR, PSI, kPA, kg/cm²
- tolerance 1psi / 0,07 bar

Item #
2101

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

Item #
3272

PRO+



Digital Tire Depth Gauge

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

Item #
1941

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+



Dead Blow Bumping Hammer

- plastic handle
- 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

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

PRO CV

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 Wrench for Cars

- 17 mm x 19 mm x 21 mm x 1/2" external square
- chrome plated, hardened
- leg length 150 mm
- according to DIN 899



Item #
1459

PRO+

Four-Way Wheel Wrench for Trucks, 24x27x32x3/4" sq. Head

- with square plate
- chrome plated
- with polished ends
- armlength 70 cm



Item #
1457

PRO+

Four-Way Wheel Wrench for Cars, foldable, swivel Joint

- 17-19-21mm + 1/2" square
- Length 40 cm
- higher torque through adjustable joint



Item #
1456

PRO+

Four-Way Wheel Wrench for trucks, foldable, swivel Joint

- 24-27-32 mm + 3/4" square
- armlength ca. 60 cm
- higher torque through adjustable joint



Item #
1458

PRO+

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

PRO

Expert Tube Cutter

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



Item #
1819

PRO+

Tube Cutter, 3-22 mm

- for copper, brass, and thin steel tubes
- for diameters between 3-22 mm



Item #
1905

PRO

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")
- 275 x 120 x 30 mm



Item #
1906

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

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 4-6-8-10 mm
- with two replacable bending wheels, each providing 180" for 4/6 mm and 8/10 mm

Item #
3061

PRO+



Tube Bender, for 6-8-10 mm Copper

- 3-hole
- up to 180°
- copper, aluminium and steel tubes

Item #
3062

PRO



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



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



Scraper, Stainless, solid Rubber Grip Handle

32 mm wide blade



Item #
3063

PRO+

3-piece Scraper Set

- stainless steel
- non-slip rubber grip handle

blade sizes:
- 13 mm wide, 50 mm long
- 16 mm wide, 110 mm long
- 20 mm wide, 50 mm long



Item #
362

PRO+

4-piece Allround Scraper Set, Stainless

- solid, ergonomically shaped rubber grip handle with hang 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+

4-piece Gasket Scraper Set

- sharpened scraper blade is possible
- heavy construction suitable for daily workshop use
- 2x scraper 310 mm long with 13 and 25 mm blade
- 2x scraper 200 mm long with 17 and 25 mm blade



Item #
3285

PRO+

Plastic Scraper

- removal of glued wheel balancing weights on alum. wheel rims and for removing glued protective strips
- width 22 mm, length 275 mm
- sharpened scraper blade is possible



Item #
365

PRO+

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
- regrindable tips
- sharpened scraper blade is possible



Item #
366

PRO+

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

CV

14-piece Windshield Removal Tool Kit

Kit has all tools needed to cut the vinyl adhesive
and urethane around windshield.
Kit contains:
- 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

PRO+



4-piece Windscreen Removal Set

- 2 handles
- 22 m triangle windscreen cutting wire, stainless
- 1 int. hex. key for adjusting the wire

Item #
8022

PRO+



Square Window Cutting Wire, 50 m

- stainless
- use along with item # 8003 (handles) + 8022

Item #
8006

PRO+



Bonded Windscreen Removal Tool for Removing bonded/sticked Car Windows

- aluminium handle
- hardened blade

Item #
7999

PRO+



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+

4-piece Rubber Block Set

- use along with item # 7997
- strap adjusted



Item #
3504

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+

3-piece Hose Clip Pliers Set, 155-250 mm

- for allround use
- plastic
- for coolant, brake fluid and fuel lines
- sizes: 155, 185, 250mm



Item #
1815

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 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+

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 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

Ratcheting Hose Clip Pliers, 200 mm long

- for spring band clips
- interchangeable jaws (2 pairs)



Item #
473

PRO+

Ratcheting Bent Hose Clip Pliers

- length 220mm
- nickel plated handles



Item #
477

PRO+

Hose Stripping Pliers, 200 mm

- suitable for tube diameter 4 to 13 mm
- length 200 mm
- PVC dipped insulated handles

Item #
486

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+



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+



Bent Hose Clip Pliers for CLIC & CLIC-R Clips

- 190 mm long
- turnable jaws

Item #
471

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+



Hose Clip Pliers, 245 mm

for compressing clips (oetiker system), for example on:
- fuel lines, coolant lines
- axle boots

Item #
466

PRO+



Flexible Hexagon Screwdrivers, especially for Clamps

- hex. socket
- mainly for operating hose clamps

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

Flexible Hose Clamp Screwdriver

- 500 mm
- 1/4" drive
- incl. 3 sockets 4-5-7 mm



Item #
7824

PRO+

Hose Clip Installation Tool

- for tighteneing hose clips
- with cutter
- operated via 13 mm socket



Item #
1521

PRO+

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

PRO

111-piece INOX Hose Clamp Set, on Board

- 10 pcs each of the following sizes:
  8-12 mm, 10-16 mm, 12-20 mm, 16-25 mm,
  20-32 mm, 25-40 mm, 30-45 mm, 32-50 mm,
  40-60 mm, 50-70 mm, 60-80 mm
- supplied in standing display, can also be mounted on walls
- incl. nutdriver



Item #
8095

PRO+

Hose Cutting Pliers, 4-16 mm

- blades made of stainles steel
- plastic housing

Item #
1912

PRO



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

PRO



Stud Extractor

- suitable for damaged or broken studs with a diameter 6,3 to 14 mm (1/4" to 9/16")
- adjustable via 19mm socket

Item #
1903

PRO+



Stud Extractors

12.5 ½

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



Item #
1882

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+

2-piece Generator Socket 1/2" XZN M10x110, Spline

12.5 ½

- length 110 mm
- size:
  for VW, Audi, Skoda, Seat, Porsche, BMW, Ford, Mercedes
- 33 tooth pulley holder



Item #
4245

PRO+ CV

2-piece Generator Socket 1/2", T50x110

12.5 ½

- length 110 mm
- for Mercedes Benz A-class
- 33 tooth pulley holder

Item #
4240



12-piece Alternator Bit Set, 1/2"

- 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

Item #
4246



22-piece Alternator Bit and Socket Set

- special bit set with alternator appropriate wrenches 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



Hook Wrench, DIN 1804

- length 280 mm, 75 mm jaw
- for operating slotted/grooved nuts
- DIN 1804

Item #
1225



Hook Wrench with flexible Jaw, Special Steel

- **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

Item #
1464

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 22mm socket / spanner
- black finish

Item #
155

PRO+



8-piece Suspension Assembly Set

- incl. 1 "push thru" ratchet
- open "non-slip" sockets 17, 19, 21, 22, 24 mm,
- int. diameter:
  17, 19 mm = 16 mm
  21, 22 mm = 17 mm
  24,00 mm = 18 mm
- 1 extension bar 80 mm
- 1 socket 18 mm



Item #
2088

PRO+ CV

5-piece Screw Extractor Set, Sizes 1-5

carbon steel

In plastic case (as displayed)



Item #
1895

PRO

6-piece Screw Extractor Set, Sizes 1-6

carbon steel

In plastic case (as displayed)



Item #
1896

PRO

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
- 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 #
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



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



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

12.5 ½ | 10 ⅜

- all parts manufactured from **chrome molybdenum steel**
- 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
- available with 3/8" or 1/2" drive
- single sizes available under Item # 5270-5279 (3/8" drive)



PRO+ CRO MO

Item #	Description
5265	10-piece Special Twist Socket Set, 10-19 mm, 3/8"
5266	10-piece Special Twist Socket Set, 10-19 mm, 1/2"

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, deep type

12.5 ■ ½

- length: **150 mm**
- for loosening damaged wheel nuts



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-TB	Pin Punch for Twist Sockets

5-piece 1/2" Special Twist Socket Set, 150 mm long

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: 17 - 19 - 21 - 22 mm, incl. tommy bar



Item #
5262

PRO+ CRO MO

7-piece Oxygen Sensor Socket Set

12.5 ■ ½ 10 ■ ⅜

- 3/8" + 1/2" drive
- for assembly of oxygen sensor, radiator thermo switch and Diesel injection nozzle
- 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
  1 1/16" offset, 3/8" drive
  2 1/8" offset, 3/8" drive



Item #
1140

PRO+

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 für 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 für 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

Oxygen Sensor Socket, Size 22 mm x 3/8" hex.

10 ◘ 3/8

- deep and slotted finish



Item #
1148

PRO+ CV

Oxygen Sensor Socket, 22 mm (7/8") x 50 mm, 1/2" drive

12.5 ◘ 1/2

- from Oxygen Sensor Socket Set Art. 1140



Item #
1140-22

PRO+

1/2" Oxygen Sensor Socket 22 mm

12.5 ◘ 1/2

- length 150 mm
- for VAG, BMW, Mercedes, Ford, Opel, etc.



Item #
1173

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

PRO+

5-piece Groove Nut Socket Set

12.5 ■ 1/2

- suitable for Mercedes differential, gear and rear axle flange
- for Mercedes series 107 114 115 116 126 ..
- allows gentle loosening and tightening using a torque wrench
- 1/2 "drive



Item #
67220

PRO+

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

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 sae 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

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
5411	Truck Socket Tool, Rear Wheel, 120 mm, BPW 16t
5412	Truck Socket Tool, Rear Wheel, 109 mm, BPW
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
5414	Special Socket for Truck BPW 6-9t Axle Nut
5415	Special Socket for Truck BPW 6,5-9,0t Axle Nut



Damper Rod Sockets

- for professional truck repair
- for more details about each socket please visit our website and enter the repective item#

PRO+

Item #	Description
5418	Front Wheel Axles Damper Rod Socket, 28 mm
5419	Rear Axles Damper Rod Socket, 34 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



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+

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+

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+

250 mm Reaction Wrench for Pulley

- wrench for safe blocking of water pump belt pulleys
- can be used for many VW models, e.g. Golf, Passat, Polo, Audi A4
- can also be used for losening for stucked nuts of the water pump belt pulley
- extendable: 1/2" - square hole in handle
- length: ca. 250 mm



Item #
1746

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+

VAG Serpentine Belt Tool

- for VAG engines without tensioner pulley
- tensioning is carried out through spring loadad 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+



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+



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+



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+



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+



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+



Free Roller Belt Tension Adjusting Key

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

Item #
66725

PRO+



4-piece Glow Plug Connector and Ignition Coil Puller Set

- for damage free removal of ignition coils
- fits VW engines

Item #
68340

PRO+



39-piece Suspension Tool Kit

- for counterholding the piston rod while loosing
- includes the following tools:
  - 6-pt. socket long for solving 14-16 - 17 - 18 - 19 - 21 - 22 - 24 and 27 mm
  - 2-tap socket for solving 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. socket 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



Item #
2086

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+

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+

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+



Lock Ring Pliers, 255 mm

- chrome plated, handles insulated
- for special lock rings / parallelly spanning rings

Item #
532

PRO+



Axle Boot Pliers

- for boots without hooks
- black finish
- 235mm long

Item #
468

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+

3-piece Pliers Set for Loosening Fuel Line Connectors

- for Fiat, Ford, Opel, Peugeot, Renault, Citroen, VW



Item #
8012

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+

6-piece Parallel Pin Punch Set, 3-8 mm, 150 mm long

- 3 - 4 - 5 - 6 - 7 - 8 mm



Item #
1651

PRO+ CV

6-piece Parallel Pin Punch Set, 2,5-8 mm, 200 mm

- hex. shaft, hardened
- 2,5-3-4-5-6-8mm
- **extra long: 200 mm**

In vinyl 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 a robust tetron wallet

Item #
1658

PRO+



6-piece Center Punch Set

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

In metal case

Item #
1656

PRO+ CV



12-piece Pin Punch Set with Chisel and Center Punch

- heavy duty hexagon shaft
- dropped forged carbon steel
- 6 cold chisels 9/16" x 6-1/2" through 1" x 10"
- 3 taper puncher 3/16" x 6-1/2", 1/4" x 7-1/2", 1/2" x 10"
- 1 drift punch 3/8 x 9-1/2"
- 2 center puncher 7-1/2", 9-1/2"

Item #
1657



Flat Chisel, 295 mm

- with wide safety insulation
- hexagon shaft, Ø 16 mm

Item #
1646

PRO



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

Automatic Center Punch, 15-25 kg

- heavy duty finish
- continuously adjustable



Item #
2085

Valve Spring Compressor, 19-23-25 mm

- for smaller engines and motorcycles
- 3 interchangeable bearing drivers 19-23-25mm



Item #
1768

13-piece Valve Spring Compressor Assembly Set

- for changing seals of valves that are already built into the engine

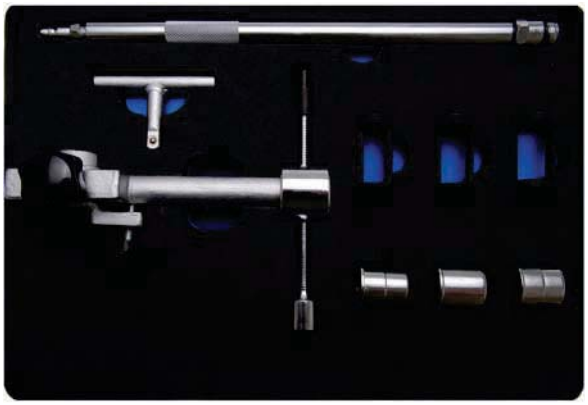


Item #
1778

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 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 or Diesel engines
- adaptor 25 mm + 30 mm

Item #
1878

PRO+



Valve Spring Compressor, 72-240 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+

Precision Feeler Gauges

- rust-proof

- with conical blades
- 100mm long
- 0,05 - 1,0 mm

metal handle, packed in a plastic wallet



PRO

Item #	Description
3082	13-Blades Precision Feeler Gauges
3083	20-Blades Precision Feeler Gauges

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

Hydraulic Floor Jack, Lifting Range: 135-335 mm

- trolly style
- with 2 caster wheels
- capacity: 2,0 tons



Item #
1880

PRO

3 Ton Garage Jack

- hydraulic
- with 2 casters
- minimum height only 10 cm
- maximum height 53 cm
- heavy duty finish: weighs 45 kg



Item #
2998

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+

Floor Jack Flat 2,5 To.

- professional quality
- suitable for cars with low ground clearance
- reduced noise because of plastic castors
- foam coated lever helps to prevent damge to the car

- capacity: 2.5t
- min. height: 85 mm
- max. height: 465 mm
- lengh: 780 mm
- width: 390 mm
- weight: 47kg



Item #
9241

PRO+

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+

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



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

Scissor Jack with Cranking Handle, Capacity 1.5 to

- minimum height 225 mm / maximum height 360 mm



Item #
1875

PRO

1 Pair of Axle Stands, High End Finish

- heavy duty, 4 leg finish
- 10-step ratchet-type action
- saddle height between
  285-420 mm (3 to) and 420-600 mm (6 to)



PRO+

Item #	Description
3014	1 Pair of Jack Stands, 2 to., 278-423 mm
3015	1 Pair of Axle Stands, 3 to., 285-420 mm
3016	1 Pair of Axle Stands, 6 to., 420-600 mm

1 Pair of Axle Stands, 3 to., 315-485 mm

- blue lacquered finish
- adjustable steel pin (315-485 mm)

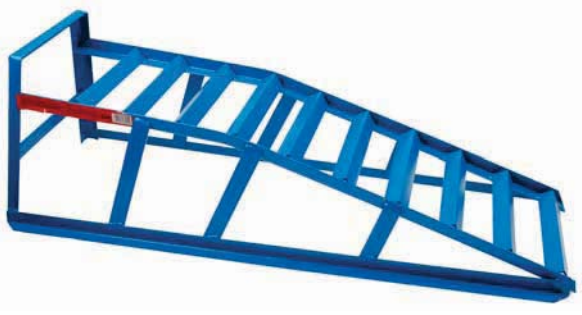


Item #
3002

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 und 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
- lenght 580 mm (folded)
- heigh 150 mm (folded)
- overall lenght 1985 mm (unfolded)
- carrying handle for easy transport



Item #
2999

PRO+

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.



Item #
1975

PRO+

Spare Wheel for Item# 1975



Item #
1979

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

Item #	Description
3483	Chain Hoist, Lifting Range 2.5 m, Capacity 1 to.
3484	Chain Hoist, Lifting Range 2.5 m, Capacity 2 to.

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

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

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



Item #
9232

PRO CE

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+

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



Item #
4100

PRO+

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+

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

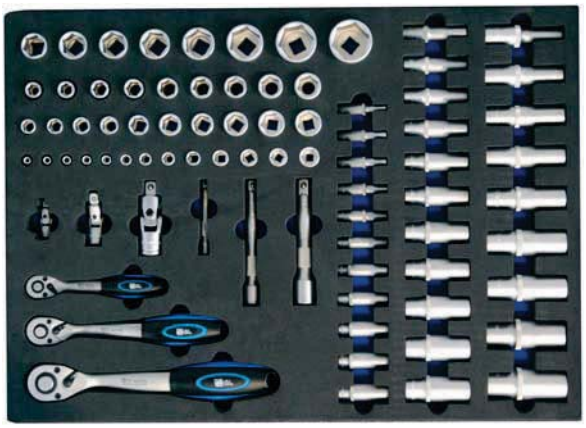


Item #
4105

PRO+

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.

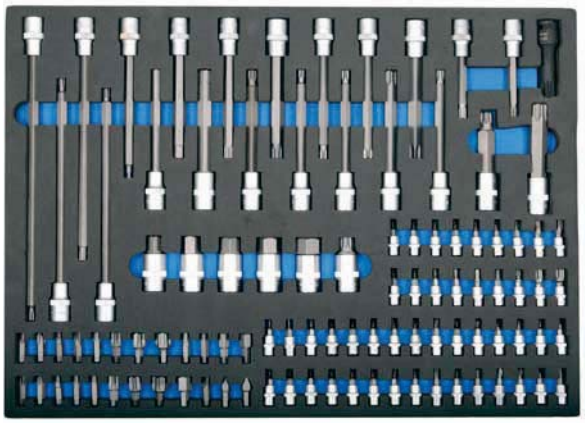
- tool tray made from high-resistance foam
- size: 570x450x30 mm (fits in BGS 4100 + 2001)

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 mit Bohrung: 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

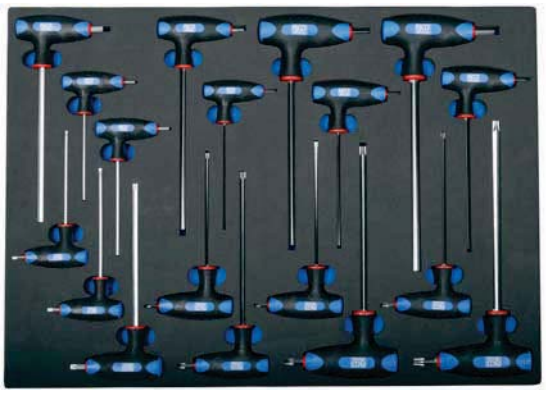


Item #
4017

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

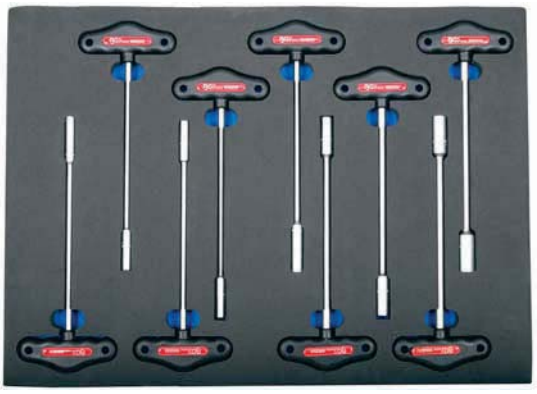


Item #
4010

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+

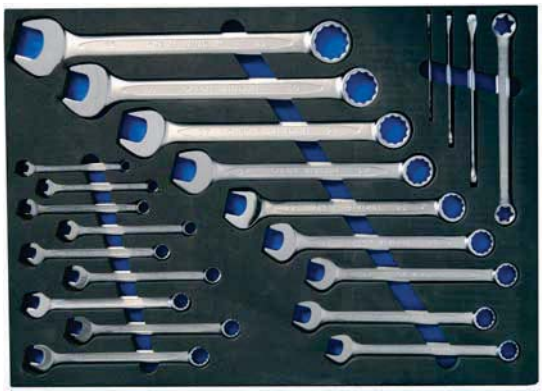


Tool Tray for Roller Cabinets: Combination Spanner and Ring Spanners for E-Type Screws, 22 pcs.

- 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

Magnetic Shell, Inox

- Ø 150mm
- **stainless finish**
- very strong magnet
- rubber coated
- "no scratches"
- sold without the displayed contents



Item #
1150

PRO+

Magnetic Sheel, Ø 100 mm

- **stainless steel**
- very strong magnet
- rubber coated
- "no scratches"
- sold without the contents displayed
- for various applications



Item #
67801

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 Fender Cover, 79x59 cm

- for protection of the body at work, built in magnets

Item #
3232

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, 200 mm

- for 16 mm spark plugs
- satin nickel plated
- for operating spark plugs which are deep set into engine blocks
- heavy duty soft grip handles - black & red

Item #
1784

PRO



Spark Plug Pliers, 290 mm

- satin nickel plated
- for operating spark plugs which are deep set into engine blocks
- heavy duty soft grip handles - black & red

Item #
1739

PRO+



Long Nose Spark Plug Pliers, 280 mm

- ideal for spark plug assembly

Item #
413

PRO



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



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



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



Spark Plug Tool Set 16-18-21 mm, 3/8"

10 ■ 3/8

- 3/8" reversible ratchet, fine 72 tooth, flexible 180° head, length 275 mm
- Special design for better handling: ratchet 45° offset
- plug sockets 16, 18, 21 mm with ext. hex.
- 1 regular wobble type extension bar
- 1 self-adjusting extension bar (prevents the plugs from falling down)
- all parts chrome finish

In plastic box, can also be used in tool trolleys



Item #
139

PRO+ CV

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+

3-piece Torque Limited Spark Plug Socket Set 14-16-21mm

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

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

Spark Plug Sockets, chrome plated, Rubber Inlay

- forged
- chrome plated and polished
- **rubber inlay**

PRO

Item #	Description
2461	Spark Plug Socket, 1/2" Drive, SW 20.8 mm
2462	Spark Plug Socket, 1/2" Drive, SW 16 mm
2464	Spark Plug Socket, 3/8" Drive, SW 18 mm
2465	Spark Plug Socket, 3/8" Drive, SW 20.8 mm
2466	Spark Plug Socket, 3/8" Drive, SW 16 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
2467	Spark Plug Socket, magnetic, 3/8" Drive, SW 20.8 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, 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, 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

16 mm Spark Plug Socket, with Rubber, 12-point, Rubber Inlay

10 ◘ 3/8

- fine knurl for perfect grip
- length 90 mm



Item #
2448

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+

Spark Plug Sockets with Retaining Spring, 6-point

12.5 ◘ 1/2

- satin chrome plated
- with retaining spring for spark plugs
- 1/2" and 20 mm hex drive
- 6-pt
- 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

5-piece Spark Plug Thread Repair Kit

- for 14 mm spark plug threads
  (=16 mm spark plugs)
- black finish carbon steel
- new zinc coated threads
- in 4 different sizes



Item #
150

PRO+

Spark Plug Thread Repair Kit M 14

- 1 tap / rethreader for M14 threads HSS-G
- 5x 11 mm tap inserts black finished
- 5x 16 mm tap inserts black finished
- 5x 19 mm tap inserts yellow Zinc plated



Item #
149

PRO+

Ignition-Firing Interval Tester for Classic / Vintage Cars



Item #
3030

PRO

Spark Plug Cleaning Brush, 140 mm long

compact brush with dense brass fill in wooden stock



Item #
3080

PRO

6-piece 3/8" Glow Plug Socket Set 8-9-10-12-14-16 mm x 150 mm

- **chrom vanadium steel**
- screwed universal joint
- with rubber insert to hold the glow plug sockets



Item #
2986

PRO+

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
2898	Torque Limited Ratchet, single, from 2899
2899	8-piece Glow Plug Installation Kit

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+

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

Supplied complete in blow mould carrying case



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

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

Supplied complete in blow mould carrying case



Item #
3211

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

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

3/4" Air Impact Wrench, 880 NM, Pressure 6-8 Bar

20 ■ 3/4

- loosening torque 678 NM,
  max. torque 880 NM after 15 seconds
- 3/8" BSP
- operating air pressure 6-8 bar
- air consumption 285l/min



Item #
3225

PRO CE

3/4" Air Impact Wrench, 1355 NM

20 ■ 3/4

- weight 2200 g
- airconsumption 390 l/min

torque:
step 1: 580- 650 NM
step 2: 745- 810 NM
step 3: 950- 1015 NM
Max. torque after 15 Sseconds: 1355 NM



Item #
3235

PRO+ CE

3/4" Air Impact Wrench

20 ■ 3/4

- 1350 NM max. torque
- industrial quality
- black
- exhaust air is guided through the handle down
- also usable with deadening exhaust hose BGS 68010



Item #
86

PRO+

16-piece Air Impact Wrench Set 1/2"

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+ CRO MO



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



1/4" Reversible Air Ratchet

6.3 ▪ ¼

- max. torque 27 NM
- free speed: 240 rpm
- length 210mm
- air consumption 85l/min

Item #
3234

PRO CE



3/8" Reversible Air Ratchet, 47 NM, stubby type

10 ▪ ⅜

- spring-loaded ball bearing
- max. torque 47 Nm
- operating with 90 PSI
- length ONLY 178 mm
- air consumption 85l/min

Item #
3239

PRO CE



1/2" Reversible Air Ratchet, 74 NM

12.5 ▪ ½

- spring-loaded ball bearing
- max. torque 68 Nm
- operating with 90 PSI
- length 250 mm
- air consumption 113 l/min

Item #
3229

PRO CE



1/2" Reversible Air Ratchet, 74 NM

12.5 ■ ½

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 113l/min



Item #
3224

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

Foam Gun

- for PU foam
- adjustable foam flow



Item #
3267

PRO+

Air Car Body Saw

- free speed: 9.000 rpm/min
- length: 235 mm
- weigth: 770 g
- air consumption: 120 L/minute
- air pressure: 6,3 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 Art. 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
- 20-125 mm spread (adjustable)

Item #
162

PRO+



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

Item #
3244

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.

Item #
3243

PRO



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

Item #
3204

PRO



Air Paint Gun, 600 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 Nibbler

- for cutting a wide range of material up to 1mm thickness cleanly (e.g. sheet metal)
- air consumption 120 l/min

Item #
3237

PRO+ CE



Air Edge Setter / Hole Punch Pliers

- length 255 mm
- stampØ 5 mm
- air consumption 113 l/min

Item #
3255

PRO+ CE



Air Spot Welding Cutter

- new model with guiding lever
- incl. 4 drills/cutters
- air consumption 170 l/min

Supplied in blow mould case

Item #
3205

PRO+ CE



Air Grease Gun, 400 ccm

- capacity 400 ccm
- incl. flexible and rigid delivery tubes



Item #
3236

PRO 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



Item #
3213

CE

Air Underbody Coating Gun

- fits on all standard cartridges
- incl. a flexible 600 mm air hose



Item #
3203

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 375 mm



Air Blow Gun, Aluminium Diecast Body

- incl. 3 tubes 25-100-200 mm

Item #
3215

PRO CE



Air Blow Gun, Heavy Duty, Aluminium Diecast Body

- heavy duty
- aluminium body

Item #
3212

PRO CE



Air Eraser with Hoover-Connection

- for the proper removal of stickers, adhesive residue and films on smooth surfaces and coatings.
- specially designed for use on vehicles
- also for use on aluminum, metals, glass and plastic
- after working surfaces are polished
- especially suitable for professional vehicle preparation
- with 28 and 34 mm hoover connection
- includes adaptors for: 110 mm abrasive cleaning fleece, 110 mm erasers and adaptation for round steel brushes
- air pressure: 90psi
- speed: 4000 rpm

Item #
3274

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 / 6.3 Bar
- air inlet ¼" (6.3 mm)
- average air consumption 4,5CFM (127L/min)
- overall length 170 mm (6.7")
- net weight 600g

Item #
3264

PRO+



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 4.5CFM (127L/min)
- overall length 13.4" (340 mm)
- net weight 2.90 LBS (1300g)

Item #
3271

PRO+



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 ¼" (6 mm)
- shaft size 127
- free speed 20000 RPM
- required air pressure 90 PSI / 6.3 BAR
- air inlet ¼" (6.3 mm)
- average air consumption 99 L/min (3.5CFM)
- overall length 155 mm (6.1")
- net weight 530g

Item #
3269

PRO+



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
- virbation 0.6 m/s²

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

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

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

- inflatingconnection separate from inflating handle
- pressure gauge is protected byaluminum 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+



Digital Tire Pressue Gauge

- digital type
- operates with 3V CR2450 battery
- accuracy +/- 1%
- 0-12 bar measuring range

Item #
55420

PRO+



Spare Hose with Adaptor for Air Inflators, 40 cm

- made in Europe
- fits BGS items 3242, 55400, 55410

Item #
55401

PRO+



Spare Hose with Adaptor for Air Inflators, 60 cm

- made in Europe
- high duty finish, connector made from brass
- fits BGS items 3242, 55400, 55410

Item #
55411

PRO+



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

Item #
3252

PRO+



Air Hose, 30 m

- internal diameter 8 mm / external diameter 12 mm
- 1/4" BSP connection
- 360° swivel base
- maximum pressure 217 PSI (15bar)

Item #
3275

PRO+



Air Hose, 10 m, Internal Diameter 6 mm

- 1/4" BSP
- 20bar / 290psi maximum pressure



Item #
3250

PRO

Spiral Coiled Air Hose, 10 m

- with quick connectors
- 1/4" air adaptor
- inner-Ø 6 mm, outer-Ø 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, Brass, 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

Item #
3263

PRO+



Magnetic Holder

- for air tools / other tools

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 Impact Wrench 530 NM

12.5 ■ ½

- max. torque: 530 NM
- weight: onyl 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

Item #
9905

PRO+ CE



1-Hour Quick-Charger for Impact Wrench 9905

- for use with rechargeable battery 9901 from Impact Wrench 9905
- it takes only about 60 minutes to recharge one battery
- Input: 230 V
- Output: 19.2 V

Item #
9902

PRO+ CE



Rechargeable Battery for Impact Wrench 9905

- for use with Impact Wrench 9905
- Ni-CD

Item #
9901

PRO+ CE



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", 6-30NM
966	Torque Wrench "Workshop", 3/8", 19-110 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
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 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", 5-25NM
962	3/8" Torque Wrench, 7-105 NM
98	Torque Wrench, 1/2", 28-210 NM, 3/8" Adaptor + Extension
964	Torque Wrench, 1/2", 70-350 NM

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

1/2" Torque Wrench, 30-210 NM

12.5 ▣ ½

Stop screw adjusts torque

Item #
963



Torque Wrench Ratchet Repair Sets

Item #	Description
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
969-REPAIR	Torque Wrench Repair Set for Art. 969
970-REPAIR	Torque Wrench Repair Set for Art. 970
971-REPAIR	Torque Wrench Repair Set for Art. 971



Torque Wrench 1/2", Digital Display, 40-200 NM

12.5 ▣ ½

- digital torque display
- each torque wrench comes with a certificate of end-gauge calibration
- CW and CCW (torque measuring in clockwise and counterclockwise direction)
- display and storing of the reached torque level (depends on personal tool setting)
- accoustic and visual alert (LED) when reaching the pre-setted max. torque
- various measurements selectable (ft-lb, in-lb, N-m)
- 50 data memory slots (storing previous results for an easy testing of several components in a row)
- automatic stand-by function after two minutes of idle use
- +/- 3% accuracy while measuring in a range of 20-100% of max. torque
- operating temperaturer: -10° to +50° C
- detailed manual in English and German included

Item #
972

PRO+



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+



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

1/4" Torque Driver, 1-5 NM, Length 235 mm

6.3 ¼

- incl. bit-adaptor
- auto-adjusting
- click signal if set torque is reached

Packed in a plastic case



Item #
975

PRO+

Digital Torque Adaptors

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



PRO+

Item #	Description
977	Digital Torque Adaptor, 1/2", 40-200 Nm
978	Digital Torque Adaptor, 3/8", 27-135 Nm
979	Digital Torque Adaptor, 1/4", 6-30 Nm

1" Torque Multiplier Set

25 1

- for loosening stuck wheel nut sockets on trucks and vans
- maximum torque 3200 Nm
- gear ratio 1:56
- including 8 sockets made from chrome vanadium steel
- socket sizes: 24-27-30-32-33-36-38 mm



Item #
1230

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



Item #
1204

PRO+

Repair Set for Torque Multiplier Item 1204

- contains all wear parts



Item #
1204-REPAIR

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

12.5 ½

- scale: 0-360 °
- stop screw
- incl. L-type wrench



Item #
3084

PRO+ CV

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+

1/2" Torque Setting Angular Gauge, int. Square Head, 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+

5-piece Torsion Bar Set

12.5 ■ ½

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



Item #
185

PRO+

Torsion Bar, 110 NM

12.5 ■ ½

- length: 195 mm



Item #
187

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 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+

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

Power Puller

- not to be used for lifting !



PRO

Item #	Description
3480	Power Puller, 2000 da N 2 t.
3482	Power Puller, 4000 da N 2 t.

Load Strap, 2,5 m x 25 mm

- TÜV / GS approved



Item #
3598

PRO+

2-piece Luggage Strap Set, 2.5 m x 25 mm

- TÜV / GS approved



Item #
3599

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+

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+

Luggage Tie Down Strap, 100 cm

- maximum tractive power ca. 6 kg
- Ø 7 mm
- hook Ø 3 mm, with protective caps



Item #
85510

PRO+

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+



6 pcs. Luggage Rubber Bands with Hooks

- 2strips 7x3007 x400, 7x600mm

Item #
9677



8-Arm Luggage Tie Down Strap

-very flexible

Item #
9675



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+



Transfilling Pump

- 500 ccm, for diesel, regular fuel, motor oil
- incl. 2 transparent hoses for suction/drain

Item #
3064

PRO+



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.

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.
- petrol
- water
- gasoline and oil proof
- astonishingly effective
- hose length approx. 1,75 m
- hose inner diameter: 9 mm



Item #
4064

PRO

12 Volt Oil Pump

- max. flow rate for engine oil approx. 3 l/min
- max. flow rate for Diesel or heating oil app. 250 l/h
- 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

Magnetic Rotating Warning Light, blue Light

- 12 V connection
- lead with car cigarette lighter plug
- magnetic base
- 360° rotating
- take care of STVO



Item #
9760

CE

Magnetic Rotating Warning Light, yellow Light

- 12 V connection
- lead with car cigarette lighter plug
- magnetic base
- 360° rotating
- take care of STVO

Item #
9761



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+



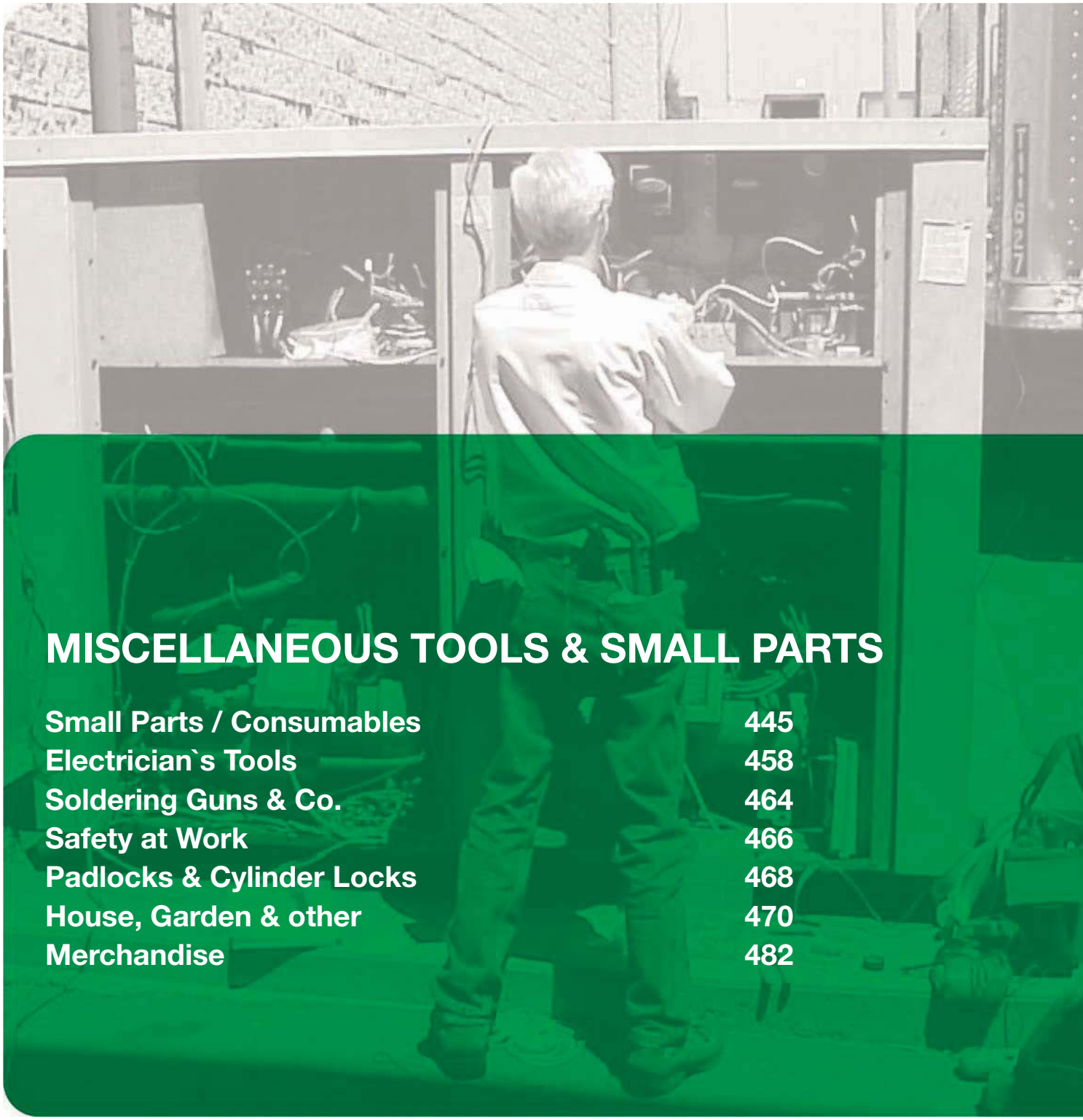
Anti Slip Rubber Mat, 122x61 cm

- all purpose
- with amazing anti slip function - all things stay in their place
- rubber mat can be devided by scissor to the size you need
- tearproof, shockproof and easy to clean

Item #
65701

PRO+





MISCELLANEOUS TOOLS & SMALL PARTS

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BGS 2011/2012

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Merchandise 482

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



225-piece O-Ring Assortment, 3-22 mm Ø

- 20 sorted sizes, int. diameter:
  3 - 4 - 4,5 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13
  14 - 15 - 16 - 17 - 18 - 19 - 20 - 22 mm
- ideal for DIY and workshop use

in displayed storage case

Item #
8044

PRO



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+



419-piece O-Ring Assortment, 1/8" - 2" mm Ø

- acid, fuel, heatandoilresistance
- made of NBR
- various sorted sizes, int. diameter:

20x1/8"-20x3/16"-18x1/4"-23x5/16"
23x3/8"-23x1/2"-14x3/8"-13x7/16"
14x1/2"-13x9/16"-14x5/8"-14x11/16"
13x3/4"-14x13/16"-13x7/8"-10x3/4"
10x13/16"-10x7/8"-10x15/16"-10x1"
10x11/16"-10x11/8"-10x13/16"-10x11/4"
10x15/16"-10x13/8"-10x17/16"-10x11/2"
10x15/8"-10x13/4"-10x17/8"-10x2"

Item #
8061

PRO+ ZOLL/SAE



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+



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+



5-piece O-Ring-Hook-Set

incl. magnetic pick up tool

Item #
8035

PRO



150-piece Copper O-Ring Assortment

- for oil drain plugs
- 10 piece 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:
5 x 9 x 1,0 - 6 x 10 x 1,0 - 6 x 12 x 1,0 - 8 x 12 x 1,0
8 x 14 x 1,0 - 8 x 14 x 1,5 - 9 x 14 x 1,0 - 10 x 14 x 1,0
10 x 14 x 1,5 - 10 x 16 x 1,0 - 12 x 16 x 1,0 - 12 x 16 x 1,5
12 x 18 x 1,5 - 13 x 18 x 1,0 - 14 x 18 x 1,5 - 14 x 20 x 1,5
14 x 20 x 2,0 - 16 x 20 x 1,5 - 16 x 22 x 1,5 - 18 x 22 x 1,5
18 x 24 x 1,5 - 20 x 24,5 x 1,5 - 20 x 24,5 x 0,8 - 19 x 26 x 2,0
22 x 27 x 1,0 - 22 x 29 x 1,5 - 24 x 29 x 1,5 - 24 x 32 x 2,0
26 x 34 x 2,0 - 28 x 36 x2,0
(int. x ext. diameter x thickness in mm)

In plastic storage case

Item #
8142

PRO+



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 displayed storage case

Item #
8143

PRO+



534-pcs. Oil Drain Plug Screws and O-Ring Assortment

- Oil Drain Plus 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-pieces SAE Rubber Grommet Assortment

- in 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+



720-pieces Washer Assortment

- different sizes and shapes

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+



1200-piece Spring Washer Assortment

- chrome plated, metric
- sizes:
  300 off each: 3, 4, 5 mm
  150 off 6 mm
  100 off 8 mm
  50 off 10 mm

in plastic storage case

Item #
8053

PRO+



125-piece Hexagon Nut / Screw Assortment

- zinc coated
- all standard sizes:M4 + M5

in plastic storage case

Item #
8069

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+



75-piece Wing Nut Assortment

- galvanized, metric
- sizes: M5x0,8 - M6x1,0 - M8x1,25

in plastic storage case

Item #
8133

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+



150-piece R-Clip Assortment

- chrome plated
- content:
  - 42 off 2,4 x 31 mm
  - 30 off 2,0 x 33 mm
  - 25 off 2,0 x 40 mm
  - 25 off 2,8 x 42 mm
  - 20 off 3,5 x 45 mm
  - 8 off 4,0 x 75 mm

in plastic storage case

Item #
8043

PRO+



555-piece Splint Pin Assortment

- straight finish
- various sorted sizes:
- 1,6x25; 2,5x25; 2,4x38
- 3,2x32; 3,2x50; 4,0x64 mm

in plastic storage case



Item #
8048

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+

450-piece Roll Pin Assortment

- metric
- all standard sizes sorted in a plastic storage case:

30 of 3 x 40 mm;	40 of 4 x 30 mm
20 of 4 x 40 mm;	30 of 5 x 40 mm
30 of 4 x 50 mm;	5 of 5x 50 mm
5 of 6 x 50 mm;	5 of 5 x 60 mm
4 of 6 x 60 mm;	4 of 8 x 60 mm
4 of 7 x 70 mm;	3 of 8 x 80 mm
4 of 8 x 50mm;	2 of 10 x 80 mm
6 of 10 x 400;	8 of 8x 40 mm
20 of 6 x 40 mm;	80 of 3 x 30 mm
150 of 2 x 20 mm	

in plastic storage case



Item #
8054

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 19mm
  20x 22 mm

in plastic storage case

Item #
8039

PRO+



170-pieces 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
- 75 pcs. special U Type Cushion in different sizes and shapers

in plastic storage case

Item #
8114

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+



26-piece Hose Clamp Assortment, rust-proof

- stainless
- 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 INOX Hose Clamp Set, on Board

- 10 pcs each of the following sizes:
  8-12 mm, 10-16 mm, 12-20 mm, 16-25 mm,
  20-32 mm, 25-40 mm, 30-45 mm, 32-50 mm,
  40-60 mm, 50-70 mm, 60-80 mm
- supplied in standing display, can also be mounted on walls
- incl. nutdriver

Item #
8095

PRO+



Flexible Hose Clamp Screwdriver

- 500 mm
- 1/4" drive
- incl. 3 sockets 4-5-7 mm

Item #
7824

PRO+



127-piece Shrinking Hose Assortment

- for UL & CSA
- applicable up to 125°
- various sorted sizes:
  2x40; 2,5x40; 3,5x40; 5x40; 7 x80;
  10x80; 13x85 mm

in plastic storage case

Item #
8042

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+



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

PRO+



80-pieces 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 und 14 mm
- 340 nails: 19-25-32 mm
- 340 pins: 19-25-32 mm

in plastic storage case

Item #
8074

PRO+



151-piece Screw Hook Assortment

- open & closed type
- zinc coated
- sizes: 2,5x2,5 - 6x50 - 6x45 - 5x75 - 5x65 - 3x40 mm

in plastic storage case

Item #
8136

PRO+



40-piece Molly Bolt Assortment

- zinc plated, metric
- sizes: 4-5-6 mm (each long + short)

in plastic storage case

Item #
8139

PRO+



103-piece Grommet Installation Set

- 50 grommets 1/2"
- 50 washers
- 3-pcs installation tool

in plastic storage case

Item #
8111

PRO+



28-piece Electrical Clip Assortment

- zinc plated
- aligator-clip, charging-clip

in plastic storage case

Item #
8138

PRO+



50-piece Cable Tie Set, 4.8x250 mm

- white

Item #
1788

PRO+



75-piece Cable Tie Assortment, 100-200 mm

- various lengths:
  100 - 120 - 200 mm



Item #
1789

PRO+

Empty Case for Small Parts

210x110x30 mm



Item #
8100

PRO+

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

2-piece Linch Pin Sets

- galvanized, zinc coated
- 2 piece each supplied on a display card



PRO+

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

Snap Hook 100x10 mm

- galvanized, chrome plated
- 1 piece supplied on display card



Item #
8076

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

6-piece Isolation Tape Rolls

- different colors
- 3,50 m x 19 mm wide



Item #
3024

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



Insulating Tape Roll "Coroplast", 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



Heavy Duty Duct Tape Roll, 50 mm x 50 m

- suitable for dispenser (Ø 75 mm)
- color: silver

Item #
3019

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+



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

Automotive Circuit Tester

- to check the electricity system on cars and trucks
- 6 -24 Volt
- for various special applications, e.g. checking the power supply of the trailer



Item #
40100

PRO+ CE

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

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) 200μA, 2000μA, 20mA, 200mA, 10A
  - resistance 200Ohm, 2000Ohm, 20 kOhm, 200kOhm, 2000kOhm
  - continuity test with buzzer



PRO+ CE

Item #	Description
2192	Pocket Size Digital LCD Multimeter
2192-1	Replacement Measuring Pins for 2192

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 200 μA, 2 mA, 20 mA, 200 mA, 10 A
  - diode tester
  - data hold



PRO+ CE

Item #	Description
2194	LCD Digital Multimeter
2194-1	Replacement Measuring Pins for 2194

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

PRO+ CE

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

Digital Battery Load Tester

- big 3-digit LED-Digital-Display
- quick indictaor (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



Item #
63500

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, Portuguese, Japanese language
- manual included



Item #
2196

PRO+

2-pcs. spare Paper Roll Set for Item #2196



Item #
2196-ROLLE

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 5KΩ 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"



Item #
2186

PRO+

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

Diode Testing Light, 3-48 Volt, LED Display

- allows stippling of insulated cords



Item #
723

PRO+ CE

Voltage Tester, 190 mm long

- TÜV / GS approved
- 125-250 V AC

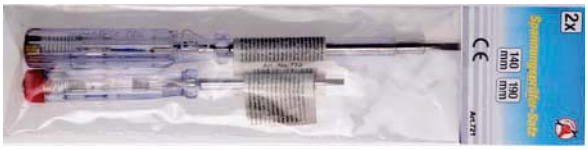
Item #
2174



2-piece Voltage Tester Set, 140+190 mm

- TÜV / GS approved
- 120 - 250 V
- with lense and metal clip

Item #
721



Voltage Tester VDE, 120-250 Volt

- TÜV / GS approved
- with lense and metal clip

PRO

Item #	Description
722	Voltage Tester GS, 120-250 Volt, 190 mm long
725	Voltage Tester GS, 120-250 Volt, 140 mm long



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)

PRO

Item #	Description
2172	Voltage Tester, 6-24 Volt
726	Voltage Tester, 6-380 Volt



Brass Car Light Tester, 6-24 Volt

- nickel plated brass
- with needle with screwable top, nickel plated brass

PRO

Item #	Description
2072	Brass Car Light Tester, 6-24 Volt
72	Reserve Bulb for Item # 2072



Glue Gun, 15 W, 11 mm Ø

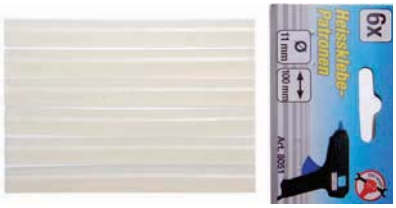
- TÜV / GS approved
- temperature 170° C
- solid construction
- trigger for exact working
- incl. hot melt glue sticks (diameter 11mm)



Item #
8050

Hot Melt Glue Sticks, 6-pc. , 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

Pocket Gas Torch, up to 1300° C

This miniature gas torch concentrates the flame of a lighter in order to reach up to 1300°C.

- gas not included
- just 11 cm small
- suitable for heat shrink tubing
- various applications possible in the garage or at home
- for defrosting locks



Item #
9870

PRO

Soldering Iron, 40 W

- TÜV / GS approved
- 220V
- VDE-plug



Item #
9940

PRO

CE

Soldering Gun, 100 W

- TÜV / GS approved
- with light
- 220V
- VDE-plug, double insulated



CE

Item #	Description
9920	Soldering Gun, 100 W
9921	2-piece Replacement Soldering Tips for Art.9920

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+

Ear Defenders

- adjustable shells
- EN352-1:2002



Item #
3623

PRO

CE

3-piece Safety-at-Work Set

- Ear Defenders (EN 352)
- Dust Mask (EN 149)
- Safety Googles (EN 166)



Item #
3625

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

Welding Helmet

- window 90x110 mm
- CE EN 175
- flexible adjustable



Item #
3518

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 1/25.000 sec.
- recovery time 0.4 sec.
- 4 light shade
- shade option 9 - 13
- operating temperatur -5°up to +55°
- power on/off
- automatic sensitivity control is continously adjustable



Item #
3516

PRO+

CE

Face-Masks, 10 pieces

- one size fits all
- with flexible rubber band



Item #
3624

Dust masks, 2 pieces

EN149:2001



Item #
3620

PRO

CE

Solid Brass Padlocks

- with three keys
- hardened steel shackle



Item #	Description
3096	Solid Brass Padlocks, 30 mm
3097	Solid Brass Padlocks, 35 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
- with 12 keyed alike keys



Item #
3101

Solid Brass Padlock, 40 mm, extra large Shackle

- brass lock heigh: 85 mm



Item #
3103

Expert Solid Brass Cylinder Lock, 60 mm long

- 5 pin mechanism
- 3 nickel plated keys



Item #
8088

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

Keyed Alike Security 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

Blank Key for Security Cylinder Locks Art. 8091-8094

- single blank key
- usually this key type is not available in stores.
- with this blank key every locksmith can copy a key for your cylinder lock



Item #
8099

Spyhole, polished Brass

- Ø 14 mm
- viewing angle 200° - **no blind angle**
- adjustable for door leafs with 35 - 57 mm thickness



Item #
8090

Hand Axes with Fibreglass Shaft

-non-slip rubbergrip
-TÜV /GStestedversion



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 /GStestedversion



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

Splitting Wedge, forged, 2700 g

- black lacquered
- length 260 mm



Item #
3835

Valve Seat Cutter

- with 3/8" and 1/2" exchangeable cutter
- 2 gaskets each of 1/2" and 3/8"
- safe sealing of running tabs



Item #
8041

PRO

Drain Pipe Cleaner, Length 380 mm

- Ø 60 mm,



Item #
8040

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

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

PRO+

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

PRO+ CV



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

PRO+ CV



Silicone Trowel and Scraper Set, 8-pc.

- to fill, clean, cut and smoothed
- suitable for all silicone-filled seam
- with different, changeable profile trowels
- stainless steel
- the perfect tool for flexible filled

Item #
85200

PRO+



Pest / Rodent Repeller, Solar Version

- this highly effective Rodent/Pest Repeller radiates ultrasonic waves in all underground directions via a vibrating bar
- these ultrasonic radiations make rodents (moles, voles, shrews, mice, etc.) feel endangered and expel them without further use of excessive force
- the device works on a solar energy cell - no cable
- every thirty seconds a high-frequency sound is created and transmitted through all directions of the ground via ultrasonic waves with a frequency of approx. 30 kHz to 70 kHz
- these ultrasonic waves have an effective range of up to 300 square meters
- for best results and efficiency, we strongly recommend that two devices are installed every twenty meters
- power supply: solar energy cell

Item #
9035

CE



Pest Repeller

- 220 V, power supply included, needs only 1.5 Watt
- with double loudspeaker-system and automatically 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



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



Working Gloves, yellow, lined

- CBSA 88
- cracked leather
- yellow, lined

Item #
9962

PRO



Wire, 50 m

- zinc coated
- supplied on reel
- thickness 0.7 mm

Item #
9120



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

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
3301	3-piece Cantilever Tool Box, Length 430 mm
3302	5-piece Cantilever Tool Box, Length 530 mm

Engineers Tool Case, Aluminium, 460x340x150 mm

- removable tool pallet and dividers
- incl. carrying strap



Item #
3304

PRO

Tool Wallet, 15 Pockets

- size: 660x320mm
- sold without tools



Item #
3314

PRO

Empty Cases

Item #	Description
2271-LEER	Empty BMC for item# 2271
98-LEER	Empty BMC for item# 98
199-LEER	Empty BMC for item# 199
200-LEER	Empty BMC for item# 200
405-LEER	Empty BMC for item# 405
765-LEER	Empty BMC for item# 765
797-LEER	Empty BMC for item# 797
964-LEER	Empty BMC for item# 964
1119-LEER	Empty BMC for item# 1119
1140-LEER	Empty BMC for item# 1140
1141-LEER	Empty BMC for item# 1141
1200-LEER	Empty BMC for item# 1200
1202-LEER	Empty BMC for item# 1202
1206-LEER	Empty BMC for item# 1206
1207-LEER	Empty BMC for item# 1207
1450-LEER	Empty BMC for item# 1450
1520-LEER	Empty BMC for item# 1520
1523-LEER	Empty BMC for item# 1523
1595-LEER	Empty Alu Case for item# 1595/1597
1659-LEER	Empty BMC for item# 1659
1670-LEER	Empty BMC for item# 1670
1674-LEER	Empty BMC for item# 1674
1757-LEER	Empty BMC for item# 1757
1891-LEER	Empty BMC for item# 1891
1893-LEER	Empty BMC for item# 1893
1935-LEER	Empty Wood Case for item# 1935
1995-LEER	Empty Metal Case for item# 1995
2005-LEER	Empty BMC for item# 2005
2143-LEER	Empty Plastic Case for item# 2143
2146-LEER	Empty BMC for item# 2145/2146
2147-LEER	Empty BMC for item# 2147
2152-LEER	Empty BMC for item# 2152
2201-LEER	Empty BMC for item# 2201
2224-LEER	Empty BMC for item# 2224
2241-LEER	Empty BMC for item# 2241
2252-LEER	Empty BMC for item# 2252
2290-LEER	Empty BMC for item# 2290
2291-LEER	Empty BMC for item# 2291
2292-LEER	Empty BMC for item# 2292
2293-LEER	Empty BMC for item# 2293
2294-LEER	Empty BMC for item# 2294
2297-LEER	Empty Aluminium Case for item# 2294
2434-LEER	Empty BMC for item# 2434
4246-LEER	Empty BMC for item# 4246
5013-LEER	Empty BMC for item# 5013
5023-LEER	Empty BMC for item# 5023
5100-LEER	Empty BMC for item# 5100
5103-LEER	Empty BMC for item# 5103
5205-LEER	Empty Metal Case for item# 5205
5245-LEER	Empty Metal Case for item# 5245
5246-LEER	Empty BMC for item# 5246
7072-LEER	Empty Metal Case for item# 7072
7199-LEER	Empty BMC for item# 7199
7750-LEER	Empty BMC for item# 7750
7895-LEER	Empty BMC for item# 7895
8027-LEER	Empty BMC for Art. 8027
8097-LEER	Empty BMC for Art. 1520
30900-LEER	Empty BMC for item# 30900



Empty Wallets

Item #	Description
1184-LEER	Empty Tetron Wallet for item# 1184
1185-LEER	Empty Tetron Wallet for item# 1185
1196-LEER	Empty Tetron Wallet for item# 1196
1228-LEER	Empty Tetron Wallet for item# 1228
1229-LEER	Empty Tetron Wallet for item# 1229
1753-00	Empty Bag for Brake Spanner Set No. 1753



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



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

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



All Purpose Funnel

- very helpful for filling in oil, wishwash, coolant, fuel etc.
-suitable foralmostallliquids
- 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

Funnel, Metal Finish

- with flexible neck and sieve
- mouth Ø 145 mm
- neck length: 300 mm



Item #
8030

PRO+

Staple Gun, for 4-14 mm Staples

- heavy duty metal finish
- staples are 10 mm wide



Item #
3012

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+

Staples

PRO

Item #	Description
3020	Staples - 1000 piece each, 6 mm
3021	Staples - 1000 piece each, 8 mm
3022	Staples - 1000 piece each, 10 mm



Tool Holder for up to 18 Tools, 500 mm

plastic made

Item #
3005



3-piece Tool Holder Set

- three tool holders with flexible opening
- incl. fixing screws

Item #
85801



Magnetic Tool Bar, 500 mm long

- withscrews for fixing onwall
- lacquered finish
- capacity: 3000 g
- sold without displayed tools



Item #
3006

PRO

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

CE

6-piece Carpenter's Pencil Set, 25 cm

item nr. 2076 in "ready to be sold" packaging



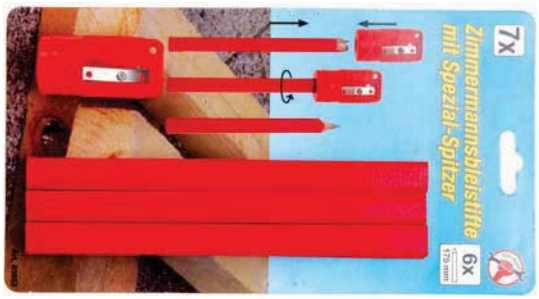
Item #
2071

PRO

Carpenter Pencils with Sharpener, 7-pc.

- 6 carpenter pencils 175 mm
- special sharpener
- not only for the carpenter, everywhere use marke and measured

Item #
85853



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



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



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



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

12-piece Chisel Set

- high quality steel
- different tip shapes for all applications
- for easy and professionel working
- handles made from high quality wood

In wodden box



Item #
52712

PRO+

Tool Exhibition Wall "BGS technic"

- 220 x 100 cm (height x width)
- includes two trays for the presentation of larger cases etc.
- for supporting the sale of BGS items
- only for our customers available for factory price
- includes 50 hooks



Item #
57

PRO+

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

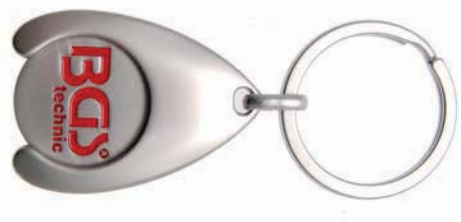
PRO+



BGS Shopping Cart Coin

Item #
Coin

PRO+



BGS Bottle Opener

Item #
Öffner

PRO+



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