



Catalog 2019 / 2020



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QUICKFINDER SINGLE SIZES



Sockets	QF1-5
Bit Sockets	QF6-8
Bits	QF9
Adaptors / Extensions / T-Bars / Flexible Handles	QF10
Spanners	QF11-13

HAND TOOLS

1

Workshop Trolleys	4
Socket Sets & Tool Assortments	73
Sockets	114
Bit Sockets & Bits	151
Ratchets, Extensions, Adaptors & Accessories	183
Torque Tools	202
Hand Tools	209
Pneumatic Tools	386
Electric / Cordless Battery Tools	426

AUTOMOTIVE TOOLS

435

Speciality Tools Motorbike	436
Speciality Tools SUV and Trucks	456
Speciality Tools Car	464
Workshop Equipment	464
Car Accessories	895

MISCELLANEOUS TOOLS & SMALL PARTS

899

Industrial Safety	900
Industrial Chemicals	905
House & Garden	913
Sales Aids	916

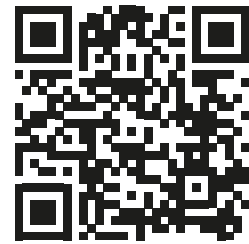
Alphabetical Index	923
--------------------	-----

Numerical Index	940
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Head Office

BGS technic's headquarter is located in Wermelskirchen, next to the A1 highway exit. Modern offices, large-scale storage capacity, spacious show rooms and a fully equipped repair shop cover an area of 15,000 m². Supported by modern electronic data processing equipment, we are ready for future expansion and look forward to working with you.



Warehouse

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





Tradeshows

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



automechanika
FRANKFURT

AutoZum®
Salzburg

EQUIP AUTO



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 technic® - a brand for perfect tools!

Since the early 1970, the BGS technic brand is a symbol of fine quality tools and constant innovation every year, in over 90 countries worldwide. The BGS technic brand stands for high quality, long lasting hand tools and air tools for daily workshop use. Our overall aim is to offer fast service, a comprehensive product range and product innovations at the very best value for money for the benefit of our customers. More than 6000 quality tools are supplied directly from our modern distribution center, and come in an appealing and self explanatory sales packaging in German and English language.



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

Icon for drive sizes in e.g. sockets

6.3^m  **1/4"** 6.3 mm drive size
(compatible to 1/4")

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

12.5^m  **1/2"** 12.5 mm drive size
(compatible to 1/2")

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

25^m  **1"** 25 mm drive size
(compatible to 1")

1/4" 3/8" 1/2" Tools in inch sizes.



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.



12-point
for problem-free high torque use on 12-point screw heads

Material Symbols



Chrome Molybdenum Steel



Chrome Vanadium Steel



Chrome Vanadium S2 Steel

BGS technic® Sales Stands

BGS offers sales stands perfectly adapted to your customer's needs, including all necessary accessories. Contact us for further information regarding the available stands and ask us for individually planned sales stands.





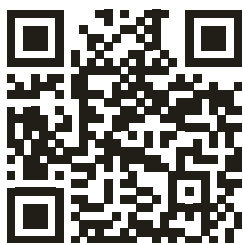
BGS technic® Sponsoring

BGS campaigns for the promotion of children and youth sports for years already, and also supports motorsports. In cooperation with various motorsport teams, our tools constantly undergo tough tests in racing practice in different racing leagues worldwide.



BGS technic® Product Videos

We constantly upload new product videos and tutorials, have a look at <http://youtube.bgstechnic.com>



Sockets Hexagon Pro Torque®

mm	6.3mm □ 1/4"		10mm □ 3/8"		12.5mm □ 1/2"		20mm □ 3/4"	25mm □ 1"
	short	deep	short	deep	short	deep	short	short
3,5	2473							
4	2474	10504						
4,5	2475							
5	2476	10505						
5,5	2477	10503						
6	2478	10506						
7	2479	10507						
8	2480	10508		10528	2908	9355		
9	2481	10509			2909			
10	2482	10510	10610	10530	2910	10550		
11	2483	10511	10611	10531	2911	10551		
12	2484	10512	10612	10532	2912	10552		
13	2485	10513	10613	10533	2913	10553		
14	2486	10514	10614	10534	2914	10554		
15			10615	10535	2915	10555		
16			10616	10536	2916	10556		
17			10617	10537	2917	10557		
18			10618	10538	2918	10558		
19			10619	10539	2919	10559	3419	
20					2920	10560		
21					2921	10561	3421	
22					2922	10562	3422	
23							3423	
24					2924	10564	3424	
26					2926	10566	3426	
27			10627		2927	10567	3427	
28					2928	10568		
30					2930	10570	3430	
32					2932	10572	3432	
33							3433	
34					2934		3434	
35					2935		3435	
36					2936		3436	3736
38							3438	
41							3441	3741
42							3442	
44							3444	
46							3446	3746
48							3448	
50							3450	3750
55							3455	3755
60							1207-60	3760
65								3765
70								3770
75								3775
80								3780



Sockets



Sockets Hexagon Pro Torque® | Inch sizes

Inch	6.3mm □ 1/4"		12.5mm □ 1/2"	Inch	12.5mm □ 1/2"
	short	deep	short		short
5/32"	10650			1"	2787
3/16"	10651			1.1/16"	2784
7/32"	10652			1.1/8"	2788
1/4"	10653	10670		1.1/4"	2786
9/32"	10654				
5/16"	10655	10671			
11/32"	10656				
3/8"	10657	10672	2770		
7/16"	10658	10673	2771		
1/2"	10659	10674	2772		
9/16"			2773		
5/8"			2774		
11/16"			2775		
3/4"			2776		
13/16"			2777		
7/8"			2778		
15/16"			2779		



QF1

Sockets 12-point

			
mm	short	short	deep
4	10774		
4,5	10773		
5	10775		
5,5	10772		
6	10776		
7	10777		
8	10778	10628	9356
9	10779	10629	
10	10780	10630	10680
11	10781	10631	9357
12	10782	10632	10662
13	10783	10633	10681
14	10784	10634	10664
15		10635	10682
16		10636	10683
17		10637	10684
18		10638	10685
19		10639	10686
20		10640	9359
21		10641	9360
22		10642	10687
24		10644	10688
26		10626	10663
27		10645	9363
28		10625	10689
30		10646	
32		10647	
34		10648	
36		10649	
38			
41			
46			
50			
55			



Sockets 12-point | Inch sizes

	
mm	short
5/32"	10870
3/16"	10871
7/32"	10872
1/4"	10873
9/32"	10874
5/16"	10875
11/32"	10876
3/8"	10877
7/16"	10878
15/32"	10879
1/2"	10880
9/16"	10881



Sockets Super Lock

mm	6.3mm $\square \frac{1}{4}"$		10mm $\square \frac{3}{8}"$		12.5mm $\square \frac{1}{2}"$	
	short	deep	short	deep	short	deep
4	2344	2964				
4,5	2339					
5	2345	2965				
5,5	2343					
6	2346	2966	2366			
7	2347	2967	2367			
8	2348	2968	2368	2610	2408	10268
9	2349	2969	2369	2611	2409	
10	2350	2970	2370	2600	2410	10270
11	2351	2971	2371	2601	2411	10271
12	2352	2972	2372	2602	2412	10272
13	2353	2973	2373	2603	2413	2943
14	2354	2974	2374	2604	2414	2944
15			2375	2605	2415	2945
16			2376	2606	2416	2946
17			2377	2607	2417	2947
18			2378	2608	2418	2948
19			2379	2609	2419	2949
20			2380		2420	9358
21			2381		2421	2951
22			2382		2422	2952
24			2384		2424	9361
27					2427	9362
28					2428	2956
30					2430	
32					2432	



Quick-Finder

Sockets

Quick-Finder

Sockets Gear Lock

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



QF3

Sockets E-Type

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



Impact Sockets Pro Torque®, hexagon

						
mm	 short	 deep	 short	 deep	 short	 deep
8	5205-8	7248				
10	5210	7210				
11	5211	7211				
12	5212	7212				
13	5213	7213				
14	5214	7214				
15	5215	7215				
16	5216	7216				
17	5217	7217	5617	5717		5500-17
18	5218	7218	5618	5718		
19	5219	7219	5619	5719		5500-19
21	5221	7221	5621	5721		5500-21
22	5222	7222	5622	5722		5500-22
24	5224	7224	5624	5724		5500-24
26			5626	5726		
27	5227	7227	5627	5727	5827	5500-27
30	5230	7230	5630	5730	5830	5500-30
32	5232	7232	5632	5732	5832	5500-32
33	5205-33		5633	5733	5833	5500-33
34	5205-34		5634	5734	5834	5500-34
35			5635		5835	
36	5205-36	7236	5636	5736	5836	5500-36
38	5205-38		5638	5738	5838	5500-38
39					5839	
40			5640			
41	5233		5641	5741	5841	5500-41
46			5646	5746	5846	5500-46
48			5648			
50			5650	5750	5850	5500-50
55			5655	5755	5855	5500-55
56					5856	
60			5660	5760	5860	5500-60
65					5865	5500-65
70					5870	5500-70
75					5875	5500-75
80					5880	5500-80
85					5885	5500-85
90					5890	5500-90
95					5895	5500-95
100						5500-100
105					5905	5500-105
110					5910	5500-110
115					5915	5500-115
120					5920	



Impact Sockets 12-point

			
mm	short	deep	deep
17		5345	5345
19		5346	5346
21		5353	
24		5343	
27		5336	
28		5352	
30		5337	
32		5338	
33		5339	
34		5340	
35		5341	
36		5342	
38		5344	
39		5351	
46	5234		

CRO
MO



Impact Sockets E-Type

			
mm	short	deep	deep
E4			
E5			
E6			
E7			
E8			
E10	9779-10	5204-10	
E11		5204-11	
E12	9779-12	5204-12	
E14	9779-14	5204-14	
E16	9779-16	5204-16	
E18	9779-18	5204-18	5347
E20	9779-20	5204-20	5348
E22	9779-22	5204-22	
E24	9779-24	5204-24	5349
E26			5250-E26
E28			5250-E28
E30			5250-E30
E32			5250-E32

CRO
MO



Special Socket / Screw Extractor

			
mm	short	short	deep
8		5269-8	
10	5270	5266-10	
11	5271	5266-11	
12	5272	5266-12	
13	5273	5266-13	
14	5274	5266-14	
15	5275	5266-15	
16	5276	5266-16	
17	5277	5266-17	5264-17
18	5278		
19	5279	5266-19	5264-19
21		5269-21	5264-21
22		5268-22	5264-22
24		5268-24	
27		5268-27	
32		5268-32	
36		5268-36	
41		5268-41	

CRO
MO



QF5

Quick-Finder

Special Socket / Screw Extractor

Quick-Finder

Bit Sockets

		CV	CV-S2	25 mm	38 mm	300 mm	6.3 mm  1/4"	10 mm  3/8"	48 mm	55 mm	70 mm	100 mm	140 mm	160 mm	12.5 mm  1/2"	200 mm	240 mm	800 mm	20 mm  3/4"	85 mm
	Inch																			
	3/32"				2740															
	1/8"				2741			2720												
	5/32"				2742			2721												
	3/16"				2743			2722												
	7/32"				2744			2723												
	1/4"				2745			2725												
	9/32"				2746			2730												
	Internal hexagon																			
	5/16"				2747			2727												
	3/8"				2748			2729												
	1,5 mm				5152															
	2 mm				5153															
	2,5 mm				5154															
	3 mm				2497			2576												
	3,5 mm				5155															
	Metric																			
	4 mm				2498			2577	4250			4259								
	5 mm				2499			2578	4251			4260	4270			4275	4215			
	5,5 mm				9466				9467											
	6 mm				2500			2579	4252			4261	4271			4276	4216			
	7 mm				2501			2580	4253			4262	4217			4277	5184-H7			
	8 mm				2502			2581	4254			4263	4272			4278	4218			
	9 mm							2583	4340			4268								
	Internal hexagon																			
	10 mm				2161-10			2582	4255			4264	5184-H10			4279				
	11 mm											4266	5184-H11							
	12 mm				2161-12			2584	4256			4265	4273			4280				
	13 mm											4267	5184-H13							
	14 mm								4257	5052-14		4296	4274						5189-H14	
	16 mm									5052-16										
	17 mm								5184-H17	5052-17									5189-H17	
	Internal hexagon with ball head																			
	18 mm									5052-18										
	19 mm								5184-H19	5052-19									5189-H19	
	22 mm								5184-H22	4295									5189-H22	
	24 mm								5184-H24											
	3 mm							5110												
	4 mm					9833		5111												
	5 mm							5112					4258-5	5184-HB5						
	Internal hexagon with ball head																			
	5,5 mm							5113												
	6 mm							5114					4258-6							
	7 mm												4258-7							
	8 mm							5115					4258-8							
	10 mm												4258-10							
	12 mm												4258-12							
	Spline (for XZN)																			
	M4				5105-M4															
	M5				5105-M5				4350			4359	4330			9350				
	M6				5105-M6				4351			4360	4331			9351				
	M7								4355				4432							
	M8				2503			5105-M8	4352			4361	4332			4334		4227		
	M9								4349			5184-M9	4333			9352				
	M10				2506				4353			4362	5109 5184-M10			4335		4228		
	Spline (for XZN)																			
	M12				2507			2587	4354			4363	5184-M12			4336		4229		
	M14								4344			4364	5184-M14			4337		4233		
	M16								4346											
	M17								5180-M17											
	M18								4347											
	M16								4356			4357								
	M18											4365								
	Spline Tamperproof (for XZN)																			
	TS 10				5184-TS10															
	TS 15				2355-TS15	5184-TS15														
	TS 20				2355-TS20	5184-TS20														
	TS 25				2355-TS25	5184-TS25														
	TS 27				2355-TS27	5184-TS27														
	TS 30				2355-TS30	5184-TS30														
	TS 40				2355-TS40	5184-TS40														
	TS-Star Tamperproof (for Torx)																			
	TS 45					5184-TS45														
	TS 50				2355-TS50	5184-TS50														

Bit Sockets

CV		CV-S2	6.3 ^m 1/4"			10 ^m 3/8"			12.5 ^m 1/2"			20 ^m 3/4"							
			38 mm	75 mm	100 mm	400 mm	48 mm	100 mm	55 mm	100 mm	110 mm		120 mm	140 mm	200 mm	240 mm	300mm	80 mm	
		4,0 mm	2493																
		5,5 mm	2494				2567												
		6,5 mm	2495																
	Plain Slot	7,0 mm	2496				2568												
		PH#0	2504																
		PH#1	2487				2553												
		PH#2	2488				2554												
	PH	PH#3	2489				2556												
		PZ#0	2505																
		PZ#1	2490				2550												
		PZ#2	2491				2551												
	PZ	PZ#3	2492				2552												
		T7	2557																
		T8	2589																
		T9	2588																
		T10	2590				2760												
		T15	2591				2541		4368	4468									
		T20	2592				2542		4369	4469									
		T25	2593				2543		4370	4470		9364	9365						
		T27	2594				2544		4367	4467			9349						
		T30	2595			4202	2545		4371	4471		5184-T30	4479						
		T35	2565	2565-75					9627	9628									
		T40	2596				2546		4372	4472		5184-T40	4480						
		T45	2164-T45				2547		4373	4473		5184-T45	4481						
		T50	2164-T50				2548		4374	4474		5184-T50	4482						
		T55					2549		4375	4475		5184-T55	4483						
		T60					2761		4378	4476		5184-T60	4484					5189-T60	
		T70							4379	4477	5003	5184-T70	4485					5189-T70	
		T80																5189-T80	
		T90																5189-T90	
		T100																5189-T100	
		T8	2356																
		T9	2364																
		T10	2357																
		T15	2358																
		T20	2359				2571												
		T25	2360				2572						9365						
		T27	2361				2573					9348	9349						
		T30	2362		4203		2574									5184-TB30			
		T40	2363				2575		4326										
		T45	2165-T45				2597		4327										
		T50	2165-T50						4328										
		T55					2599		4329										
	T60							4376											
		T70						4377			5103-TB70								
		T80								5184-TB80	5103-TB80								
		T90									5103-TB90								
		T100									5103-TB100								
		M5							4150	4160									
		M6						4141	4151	4161									
		M7						4142	4152	4162		4234			5184-R7				
		M8						4143	4153	4163		4173	4183	5184-R8					
		M9							4154	5184-R9		4174	4184						
Splined (for Ribe)	M10.3								9353	9354		4179	4185						
	M10						4145	4155	4165		5184-R10	4189							
	M12							4156	4166	5010	4176	4186							
	M13							4157	4167	5007	4177	4187							
	M14							4158	4168		4178	4188							

Bit Socket | T-Star for VAG polyDrive cylinder head bolts



12.5mm 1/2"

168 mm



T52

9386



Impact Bit Sockets

		42 mm	55 mm	12.5mm 1/2"	100 mm	140 mm	20mm 3/4"	CV	CRO MO	BCS
 T-Star (for Torx)	T20	5486-T20	5369	5480-T20	5469					
	T25	5486-T25	5370	5480-T25	5470					
	T27	5486-T27	5367		5467					
	T30	5486-T30	5371	5480-T30	5471					
	T40	5486-T40	5372	5480-T40	5472					
	T45	5486-T45	5373	5480-T45	5473					
	T47		5378							
	T50	5486-T50	5374	5480-T50	5474					
	T55	5486-T55	5375	5480-T55	5475					
	T60	5486-T60		5480-T60						
	T70	5486-T70		5480-T70						
	T80	5486-T80		5480-T80						
 Internal hexagon	5 mm	5485-5		5481-M5						
	6 mm	5485-6		5481-M6	4286					
	7 mm	5485-7		5481-M7						
	8 mm	5485-8		5481-M8						
	9 mm	5485-9								
	10 mm	5485-10		5481-M10						
	11 mm	5485-11								
	12 mm	5485-12		5481-M12			5054-12			
	13 mm	5485-13								
	14 mm	5485-14		5481-M14			5054-14			
	17 mm			5481-M17			5054-17			
	19 mm			5481-M19			5054-19			
 Spline (for XZN)	21 mm						5054-21			
	22 mm						5054-22			
	23 mm						5054-23			
	24 mm						5054-24			
	M 4	5487-M4		5482-M4						
	M 5	5487-M5		5482-M5						
	M 6	5487-M6		5482-M6						
	M 8	5487-M8		5482-M8	4358					
	M 9			5482-M9						
	M 10	5487-M10		5482-M10	4462					
	M 12	5381-M12		5482-M12		4463				
	M 14	5381-M14		5482-M14						
 Ribe (for Ribe)	M 16	5381-M16		5482-M16			5054-M16			
	M 18	5381-M18		5184-M18			5054-M18			
	M 24						5054-M24			
	M 5			5483-M5						
	M 6			5483-M6						
	M 7			5483-M7						
	M 8			5483-M8						
	M 9			5483-M9						
	M 10			5483-M10						
	M 12			5483-M12						
	M 13			5483-M13						
	M 14			5483-M14						

Bits

		6.3mm1/4"		8mm5/16"		10mm3/8"		14mm	
		25 mm	50 mm	30 mm	30 mm	75 mm	100 mm	75 mm	
T-Star (for Torx)	T7	8217							
	T8	8208							
	T9	8209							
	T10	8190		8160	4866	4566			
	T15	8191	4590	8161	4868	4568			
	T20	8192	4591	8167	4869	4569			
	T25	8193	4592	8162	4870	4570			
	T27	8194		8169	4867	4567			
	T30	8195	4593	8163	4871	4571			
	T35	4735							
	T40	8196		8164	4872	4572			
	T45	8197		8165	4873	4573			
	T50			8166	4874	4574			
	T55			8168	4875	4575			
T60			4456	4876	4598		4576		
T70			4457				4581		
T-Star Tamperproof (for Torx)	T7	2436							
	T8	2437							
	T9	2438							
	T10	2439		4410	4610	4710			
	T15	2440		4415	4615				
	T20	2441		4420	4620				
	T25	2442		4425	4625				
	T27	2443		4427	4627	4727			
	T30	2444		4430	4630				
	T35	4736							
	T40	2445		4440	4640				
	T45			4445	4645				
	T50			4450	4650				
	T55			4455	4655				
T60			4460	4660					
T70			4458	4670					
PH	PH # 1	8185							
	PH # 2	8186			4601				
	PH # 3	8187		4383	4602				
	PH # 4	8188		4384					
PZ	PZ # 1	8170	4596						
	PZ # 2	8172	4595						
	PZ # 3	8173	4597	4385					
	PZ # 4	8174		4386					
Plain Slot	4,5 mm	8198							
	5,5 mm	8199							
	7 mm	8189							
	8 mm			4380	4599				
	10 mm			4381	4600				
	12 mm			4382					
Internal Hexagon	3 mm	8176							
	4 mm	8177			4950	4959			
	5 mm	8178			4951	4960			
	6 mm	8179			4952	4961			
	7 mm	8182		4387	4953	4962			
	8 mm	8180		4388	4954	4963			
	10 mm	8181		4389	4955	4964			
	12 mm			4390	4956	4965			
	14 mm			4391	4957	4966			
Spline (for XZN)	M5				4850	4859			
	M6				4851	4860			
	M8				4852	4861			
	M10				4853	4862			
	M12				4854	4863			
	M14					4864			
Spline (for Ribe)	M5				4760		4770		
	M6				4761		4771		
	M7				4762		4772		
	M8				4763		4773		
	M9				4764		4774		
	M10				4765		4775		
	M10,3						4776		
	M11				4766		4777		
	M12				4767		4778		
	M13				4768		4779		
M14						4780			



Bits



QF9

Socket Adaptor

External		6.3mm □ 1/4"	10mm □ 3/8"	Internal 12.5mm □ 1/2"	20mm □ 3/4"	25mm □ 1"
6.3mm □ 1/4"	Impact		269			
			171	9778		
10mm □ 3/8"	Impact	271		270		
		172		173		
12.5mm □ 1/2"	Impact		280		274	
			174		275	
20mm □ 3/4"	Impact			272		
				279		196
25mm □ 1"	Impact				195	



Extension Bars

	6.3mm □ 1/4"	10mm □ 3/8"	12.5mm □ 1/2"	20mm □ 3/4"	25mm □ 1"
	Wobble	Wobble	Wobble		
50 mm	2336	2232	296	233	
75 mm			294	242	236
100 mm	2335	2231			264
125 mm			246	3120	234
150 mm	2338	2220	295	243	
200 mm					266
250 mm		2219	244	3121	235
300 mm	2210				
375 mm				248	
400 mm				268	374
450 mm			247		
500 mm	2211			249	
610 mm			3132	3134	



Sliding T-Bars

	6.3mm □ 1/4"	10mm □ 3/8"	12.5mm □ 1/2"	20mm □ 3/4"	25mm □ 1"
115 mm	276				
200 mm		277			
250 mm			273		
450 mm				263	
500 mm					
560 mm					375

Sliding T-Bars

	12.5mm □ 1/2"	12.5mm □ 1/2"	20mm □ 3/4"	25mm □ 1"
250 mm	Repair Set	265	265-Repair	Repair Set
450 mm	9880	9880-REP		
610 mm		267	267-Repair	
630 mm			283	283-1
1020 mm				376
				377

Spanners | Combination Spanners

Metric							
	hot forged, Type A, ring end 15° offset	cold forged, Type A, ring end 15° offset	satin finish, Type A, ring end 15° offset	extra deep, mirror polished, Type A, ring end 15° offset	cold forged, Type B, deep offset	extra short, stubby Type	hot forged opening end 15° cranked burnished
4 mm		30554					
4,5 mm		30553					
5 mm		30552					
5,5 mm		30555					
6 mm	1056	30556	30506	1228-6	30106		34206
7 mm	1057	30557	30507	1228-7	30107		34207
8 mm	1058	30558	30508	1228-8	30108		34208
9 mm	1059	30559	30509	1228-9	30109		34209
10 mm	1060	30560	30510	1228-10	30110	30761	34210
11 mm	1061	30561	30511	1228-11	30111	30760	34211
12 mm	1062	30562	30512	1228-12	30112	30762	34212
13 mm	1063	30563	30513	1228-13	30113	30763	34213
14 mm	1064	30564	30514	1228-14	30114	30764	34214
15 mm	1065	30565	30515	1228-15	30115	30775	34215
16 mm	1066	30566	30516	1228-16	30116	30776	34216
17 mm	1067	30567	30517	1228-17	30117	30765	34217
18 mm	1068	30568	30518	1228-18	30118	30778	34218
19 mm	1069	30569	30519	1228-19	30119	30779	34219
20 mm	1070	30570	30520		30120		
21 mm	1071	30571	30521	1229-21	30121		34221
22 mm	1072	30572	30522	1229-22	30122		34222
23 mm		30573	30523		30123		34223
24 mm	1074	30574	30524	1229-24	30124		34224
25 mm	1075		30525		30125		34225
26 mm	1076		30526		30126		
27 mm	1077	30577	30527	1229-27	30127		34227
28 mm			30528		30128		
29 mm					30129		
30 mm	1080	30578	30530	1229-30	30130		34230
32 mm	1082	30579	30532	1229-32	30132		34232
34 mm		1084			30134		34234
36 mm		1086			30136		34236
38 mm		1088					34238
41 mm		1091			30141		34241
46 mm		1096			30146		34246
50 mm							34250
55 mm							34255
60 mm		1100					34260
65 mm							34265
70 mm							34270
75 mm							34275
80 mm							34280
85 mm							34285
90 mm							34290
95 mm							34295



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



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

Spanners | Double Ring Spanner

QF Quick-Finder

Spanners

QF Quick-Finder

CV



hot forged,
Type A,
ring end
15° offset

ZOLL
INCH
1/4" 3/8" 1/2"
EN POUCHES
PULGADAS



cold forged,
Type A,
ring end
15° offset

ZOLL
INCH
1/4" 3/8" 1/2"
EN POUCHES
PULGADAS



cold forged
extra deep,
mirror polished,
straight shape



E-Type Ring Heads
hot forged
straight shape



deep offset
E-Type Ring Heads
hot forged



1/4"	30188			
5/16"	30189			
3/8"	30190			
7/16"	30191			
1/2"	30192			
9/16"	30193			
5/8"	30194			
11/16"	30195			
3/4"	30196			
13/16"	30197			
7/8"	30198			
15/16"	30199			
19/32"		30673		
25/32"		30675		
10x11 mm			1186-10x11	
12x14 mm			1186-12x14	
13x15 mm			1186-13x15	
16x18 mm			1186-16x18	
17x19 mm			1186-17x19	
21x23 mm			1186-21x23	
22x24 mm			1186-22x24	
E6xE8			2260	2281-6X8
E7xE11			2265	
E10xE12			2261	2281-10X12
E14xE18			2262	2281-14X18
E16xE22			2266	
E20xE24			2263	2281-20X24

Spanners | Double Ring and Double Open End Spanners

CV



Metric	DIN 838, hot forged, deep offset	DIN 838, cold forged, deep offset	C-Type, cold forged	S-Type, cold forged	extra flat, cold forged	DIN 3110, hot forged	DIN 3110, cold forged
5x5,5 mm							30605
6x7 mm	1214-6x7	30206			30330	1184-6x7	30606
8x9 mm	1214-8x9	30208			30331	1184-8x9	30608
8x10 mm			30721				
10x11 mm	1214-10x11	30210		30741	30332	1184-10x11	30610
10x13 mm		30211				1184-10x13	30613
11x13 mm			30722				
12x13 mm	1214-12x13	30212		30742	30333	1184-12x13	30612
13x17 mm		30213					
14x15 mm	1214-14x15	30214	30723	30743	30334	1184-14x15	30614
14x17 mm		30215					30611
16x17 mm	1214-16x17	30216		30744	30335	1184-16x17	30616
17x19 mm		30217	30724				30617
18x19 mm	1214-18x19	30218		30745	30336	1184-18x19	30618
19x22 mm		30223					30623
20x21 mm							
20x22 mm	1214-20x22	30220			30337	1184-20x22	30620
21x22 mm			30725				
21x23 mm	1214-21x23	30221				1184-21x23	30621
22x24 mm							30622
24x27 mm	1214-24x27	30224				1184-24x27	30624
25x28 mm	1214-25x28					1184-25x28	30625
27x30 mm							30627
30x32 mm	1214-30x32	30230				1184-30x32	30630
27x32 mm							30632
30x34 mm							30631
36x41 mm		30236				1184-36x41	30636
46x50 mm		30246					



Hot Forging

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



Cold Forging

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



Quick-Finder

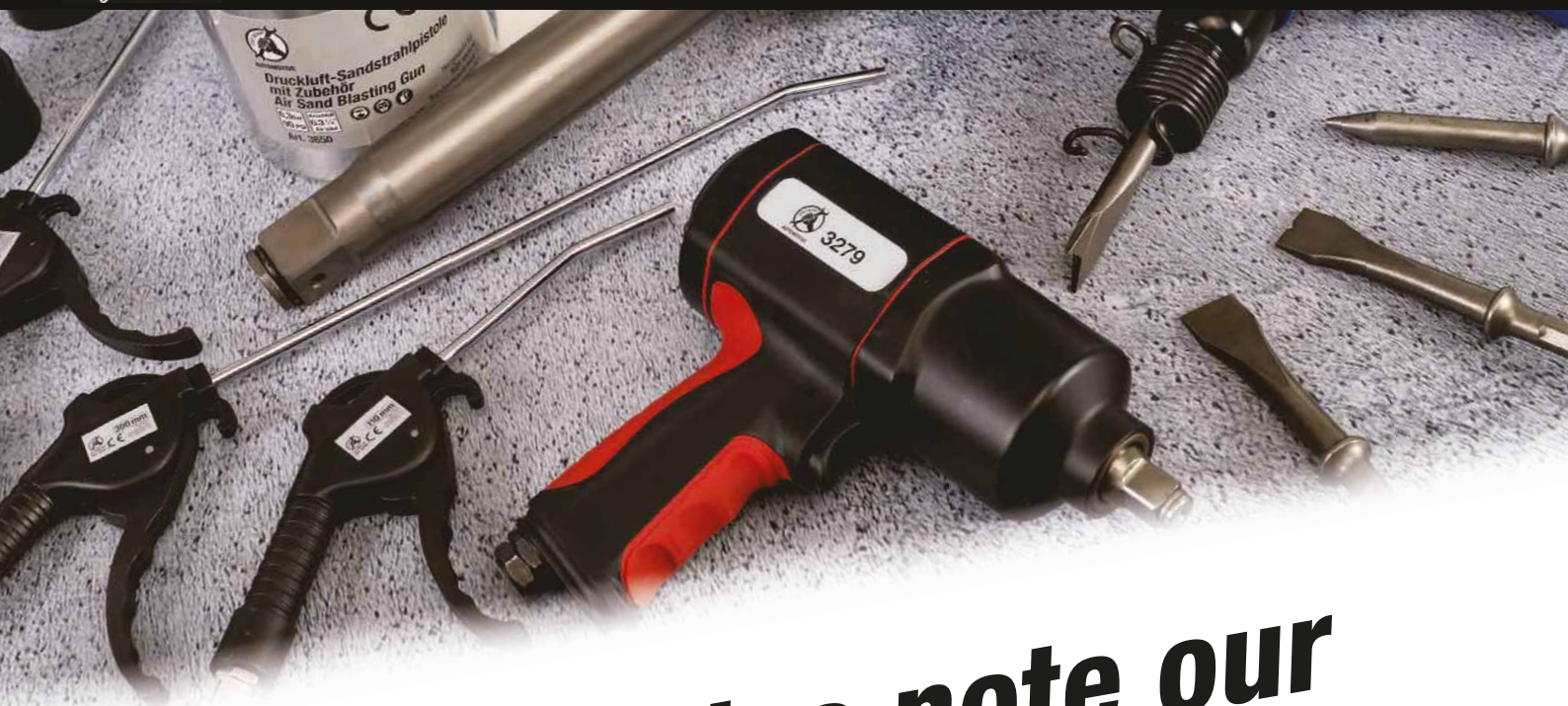
Double Ring / Open End Spanners

Quick-Finder

QF13



**2019
2020**



Please also note our

Catalog
2019 / 2020



HAND TOOLS

Workshop Trolleys	4
Socket Sets & Tool Assortments	73
Sockets	114
Bit Sockets & Bits	151
Ratchets, Extensions, Adaptors & Accessories	183
Torque Tools	202
Hand Tools	209
Pullers	209
Axes, Splitting Hammers	218
Drills	219
Brushes	229
Figure & Letter Punches	235
Files / Grinders / Scrapers	235
Milling cutters	236
Thread Cutters	238
Hooks & Pin Wrenches	250
Hammers	251
Chisels / Centre Punches / Cotter Pin Drives	254
Knives/ Shears / Blades	259
Gauges	264
Nut Splitters	268
Pipe Processing	269
Saws / Saw Blades	271
Sanitary Tools	273
Scrapers	277
Grinding and Polishing	278
Screwdrivers	282
Spanners	295
Vices / Quick Action Bar Clamps	324
Stud Bolt Pullers	326
Stepped Hole Cutters / Taper Cutters	328
Tool Cases and Bags (universal)	331
L-type Wrenches	332
Pliers	341
Pneumatic Tools	386
Electric / Cordless Battery Tools	426

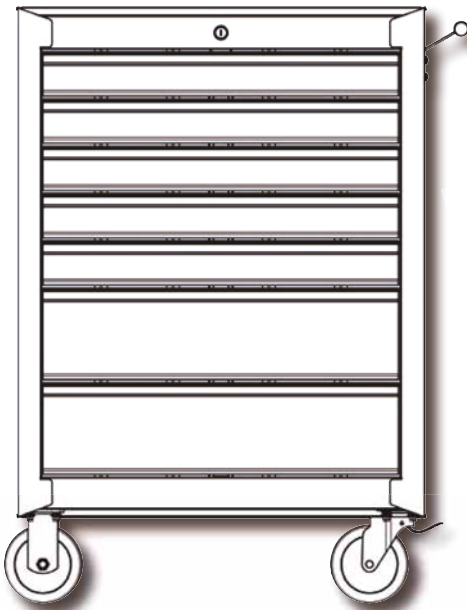
BGS Workshop Trolley - Modular – System

A clearly arranged workshop trolley has many benefits!

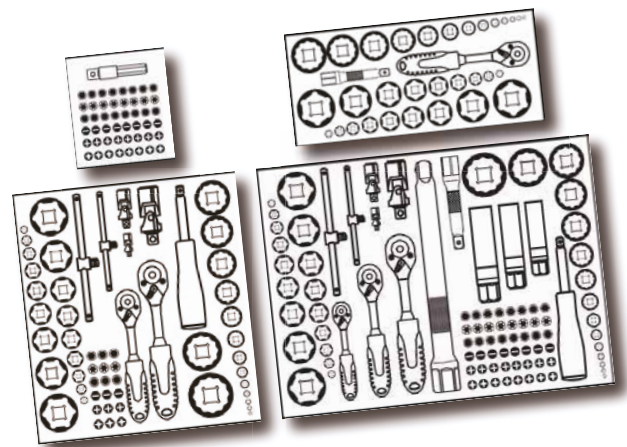
With our high-quality dual component soft foam Tool Trays in 4 different sizes, now you can individually configure your BGS workshop trolley with the tools that you need according to your requirements.

Made to fit recesses give your tools a non-slip support and indicate the respective location of the tool. The soft foam Tool Trays are resistant against oil and grease, are ultra-light and clearly arranged for quick access. Due to the colour coding, missing tools are noticed immediately. The Tool Tray is easy to clean by briefly rinsing under running water and then drying.

Step 1 Choose the workshop trolley (Page 4 - 14)



Step 2 Select any number of modules (Page 22 - 66)



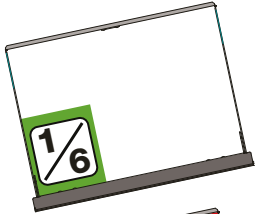
Benefits:

- can be combined individually
- resistant against oil and grease
- easy to clean
- can also be used without workshop trolley
- clearly and perfectly organised workshop trolley
- tools embedded anti-slip
- missing tools can be noticed immediately

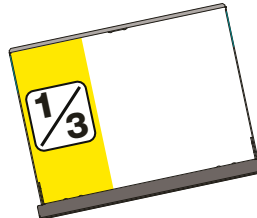


Workshop Trolley Tool Trays

- made from high-resistance foam
- resistant against oil and grease
- the Tool Tray is easy to clean by briefly rinsing under running water and then drying
- missing tools are noticed immediately thanks to the two colour system
- tools embedded anti-slip
- everything is organised perfectly for workshop use



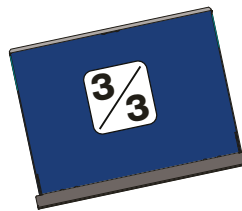
- can be combined 1/6 with one 1/6 and two 1/3 Tool Trays or five other 1/6 Tool Trays
- Dimensions: 32 x 189 x 204 mm (HxWxL)



- can be combined 1/3 with the 2/3 Tool Tray or two other 1/3 Tool Trays
- dimensions: 32 x 189 x 408 mm (HxWxL)



- can be combined 2/3 with the 1/3 Tool Tray or two 1/6 Tool Trays
- Dimensions: 32 x 378 x 408 mm (HxWxL)



- Dimensions: 32 x 567 x 408 mm (HxWxL)



With the BGS Workshop Trolley Modular System, you design “your” workshop trolley according to your own ideas!



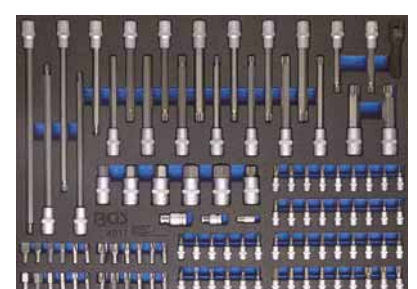
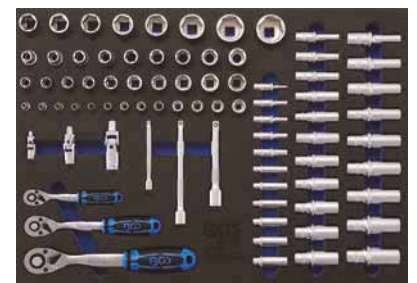
Workshop Trolley Pro Standard Max | with 263 Tools

- consisting of workshop trolley BGS 4111 and tool box (BGS 4112) incl. 5 tool trays for workshop trolleys, 3/3 made from high-resistance foam (dimensions 567 x 408 x 32 mm)
- Pliers, Parallel Pin Punch Set, Hammer | 17 pcs. (BGS 4011)
- Combination Spanners and E-Type Spanners Assortment | 22 pcs. (BGS 4012)
- Screwdriver Set | 23 pcs. (BGS 4014)
- Socket Set | 80 pcs. (BGS 4015)
- Bit and Bit Socket | 104 pcs. (BGS 4017)
- number of drawers: 12
- drawer pull-out: 100 %
- drawer width: 569 mm
- drawer depth: 409 mm
- drawer height: 7 x 40 | 1 x 70 | 3 x 100 | 1 x 150 mm
- width: 730 mm
- height: 1460 mm
- depth: 480 mm
- weight: 149 kg

Item #
4088

CV

CV-S2



Workshop Trolley Profi Exclusive | with 259 Tools

- consisting of workshop trolley BGS 4111 incl. 19 tool trays, made from high-resistance foam

Tool tray for workshop trolleys 1/3 (dimensions 189 x 408 x 32 mm)

- Socket Set | 10 mm (3/8") | 26 pcs. (BGS 4052)
- Socket Set | 6.3 mm (1/4") | 41 pcs. (BGS 4054)
- Bit-Socket Set | internal Hexagon | 12.5 mm (1/2") | 12 pcs. (BGS 4092)
- Bit and Bit Socket Assortment | 27 pcs. (BGS 4097)
- Sockets Hexagon | 6.3 mm (1/4") | 4 - 13 mm | deep | 11 pcs. (BGS 4059)
- Sockets Hexagon | 10 mm (3/8") | 8 - 19 mm | deep | 11 pcs. (BGS 4058)
- Sockets Hexagon | 12.5 mm (1/2") | 10-24 mm | deep | 9 pcs. (BGS 4057)
- Combination Spanner Set | 6 - 22 mm | 12 pcs. (BGS 4082)
- Double Ring Spanner Set | 6x7 - 20x22 mm | deep offset ends | 8 pcs. (BGS 4084)
- Pliers Set | 3 pcs. (BGS 4042)
- Circlip Pliers Set | 4 pcs. (BGS 4025)
- Stoning and Machinist's Hammer Set | 2 pcs. (BGS 4046)
- Locking Pliers | 4 pcs. (BGS 4040)
- Extension Bar, Adaptor and Joint Set | 18 pcs. (BGS 4051)
- Handheld Lamp & Magnetic Lifter | 3 pcs. (BGS 4032)

Tool tray for workshop trolleys 2/3 (dimensions 378 x 408 x 32 mm)

- Socket Set 12.5 mm (1/2") | 27 pcs. (BGS 4053)
- Ratchet Wrenches | 90° adjustable | 8 - 19 mm | 12 pcs. (BGS 4077)
- Screwdriver Set | 12 pcs. (BGS 4122)

Tool tray for workshop trolleys 3/3 (dimensions 567 x 408 x 32 mm)

- Special Tools for Tyre Service | 18 pcs. (BGS 4035)

- number of drawers: 8
- drawer pull-out: 100 %
- drawer width: 569 mm
- drawer depth: 409 mm
- drawer height: 4 x 40 | 3 x 100 | 1 x 150 mm
- width: 730 mm
- height: 1030 mm
- depth: 480 mm
- weight: 109 kg



Item #
4114



Workshop Trolley Pro Standard | with 234 Tools

- consisting of workshop trolley BGS 4111 incl. 7 tool trays, made from high-resistance foam

Tool trays for workshop trolleys 1/3:

- Pliers Set | 3 pcs. (BGS 4042)
- Handheld Lamp & Magnetic Lifter | 3 pcs. (BGS 4032)
- Stoning and Machinist's Hammer set | 2 pcs. (BGS 4046)

Tool trays for workshop trolleys 3/3:

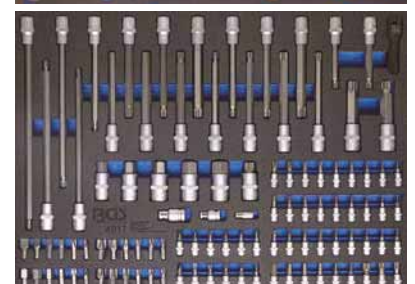
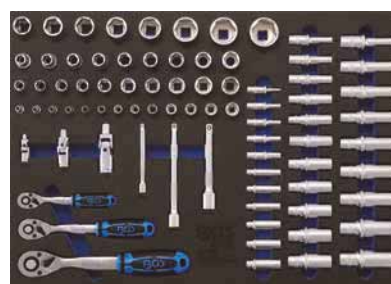
- Combination Spanner and E-Type Spanners Assortment | 22 pcs. (BGS 4012)
- Screwdriver Set | 23 pcs. (BGS 4014)
- Socket Set | 80 pcs. (BGS 4015)
- Bit and Bit Socket | 104 pcs. (BGS 4017)

- number of drawers: 8
- drawer pull-out: 100 %
- drawer width: 569 mm
- drawer depth: 409 mm
- drawer height: 4 x 40 | 3 x 100 | 1 x 150 mm
- width: 730 mm
- height: 1030 mm
- depth: 480 mm
- weight: 104 kg

Item #
4113

CV

CV-S2



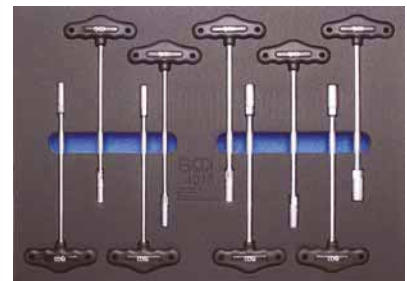
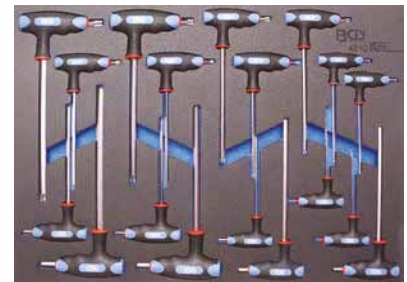
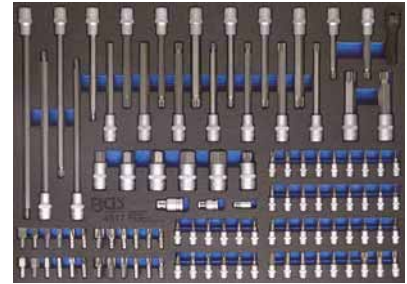
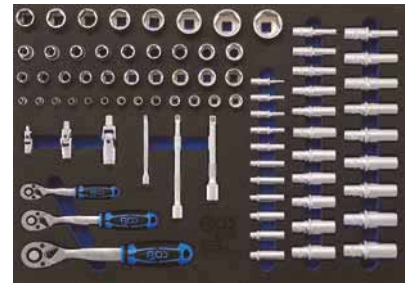
Workshop Trolley | 8 Drawers | with 296 Tools

- consisting of workshop trolley BGS 4100 incl. 8 tool trays, 3/3 made from high-resistance foam (dimensions 567 x 408 x 32 mm)
- Screwdriver with T-Handle and side Blade | internal Hexagon / T-Star (for Torx) 18 pcs. (BGS 4010)
- Pliers, Parallel Pin Punch Set, Hammer | 17 pcs. (BGS 4011)
- Combination Spanners and E-Type Spanners Assortment | 22 pcs. (BGS 4012)
- T-Handle Socket Set | 9 pcs. (BGS 4013)
- Screwdriver Set | 23 pcs. (BGS 4014)
- Socket Set | 80 pcs. (BGS 4015)
- Double Open End Spanner, Double Ring Spanner, Ratchet Wrench | 26 pcs. (BGS 4016)
- Bit and Bit Socket | 104 pcs. (BGS 4017)
- number of drawers: 8
- drawer pull-out: 100 %
- drawer width: 569 mm
- drawer depth: 409 mm
- drawer height: 6 x 80 | 2 x 110 mm
- width: 730 mm
- height: 1035 mm
- depth: 480 mm
- weight: 124.5 kg

Item #
4050

CV

CV-S2



Workshop Trolley | 8 Drawers | with 293 Tools

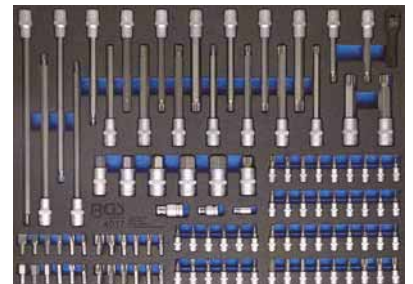
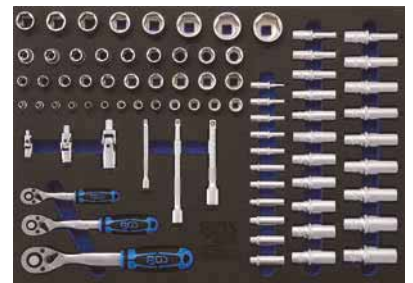
- consisting of workshop trolley BGS 4100 incl. 4 tool trays, 3/3 made from high-resistance foam (dimensions 567 x 408 x 32 mm)
- Combination Spanners and E-Type Spanners Assortment | 22 pcs. (BGS 4012)
- Sockets Set | 80 pcs. (BGS 4015)
- Bit and Bit Sockets | 104 pcs. (BGS 4017)
- Sockets / Combination Spanners | inch sizes | 90 pcs. (BGS 4020)
- number of drawers: 8
- drawer pull-out: 100 %
- drawer width: 569 mm
- drawer depth: 409 mm
- drawer height: 6 x 80 | 2 x 110 mm
- width: 730 mm
- height: 1035 mm
- depth: 480 mm
- weight: 115 kg

Item #
4090

CV

CV-S2

ZOLL
INCH
1/4" 3/8" 1/2"
EN POUCHES
PULGADAS



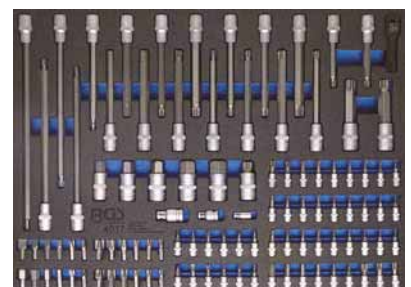
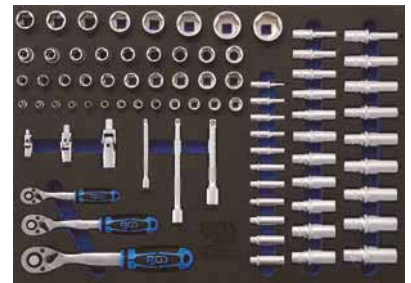
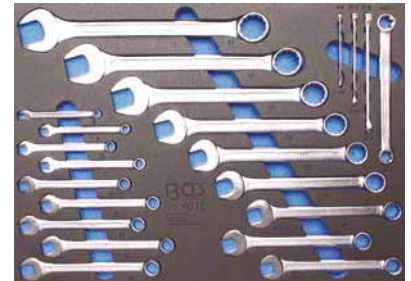
Workshop Trolley | 7 Drawers | with 243 Tools

- consisting of workshop trolley BGS 2001 incl. 5 tool trays, 3/3 made from high-resistance foam (dimensions 567 x 408 x 32 mm)
- Pliers, Parallel Pin Punch Set, Hammer | 17 pcs. (BGS 4011)
- Combination Spanners and E-Type Spanners Assortment | 22 pcs. (BGS 4012)
- Screwdriver Set | 23 pcs. (BGS 4014)
- Socket Set | 80 pcs. (BGS 4015)
- Bit and Bit Sockets | 104 pcs. (BGS 4017)

- number of drawers: 7
- drawer pull-out: 100 %
- drawer width: 569 mm
- drawer depth: 409 mm
- drawer height: 5 x 52 | 2 x 130 mm
- width: 680 mm
- height: 1000 mm
- depth: 458 mm
- weight: 88 kg

Item #

4060



Workshop Trolley | 7 Drawers | with 120 Tools

- consisting of workshop trolley product 2001 incl. 9 tool trays, 1/3 made from robust, high-grade foam, (dimensions 189 x 408 x 32 mm)
- Socket Set | 12.5 mm (1/2") | 27 pcs. (BGS 4126)
- Socket Set | 6.3 mm (1/4") | 50 pcs. (BGS 4127)
- Pliers Set | 3 pcs. (BGS 4042)
- Ratchet Wrench Set | 8-19 mm | 12 pcs. (BGS 4128)
- Double Ring Spanner Set | 6x7 - 20x22 mm | deep offset Ends | 8 pcs. (BGS 4084)
- Screwdriver Set | 11 pcs. (BGS 4131)
- Circlip Pliers Set | 4 pcs. (BGS 4025)
- Stoning and Machinist's Hammer | 2 pcs. (BGS 4046)
- Handheld Lamp and Magnetic Lifter | 3 pcs. (BGS 4032)
- BGS® Football (BGS BALL)
- Microfibre Cloth (BGS CLOTH)
- BGS® Coffee Cup (BGS CUP)
- number of drawers: 7
- drawer pull-out: 100 %
- drawer width: 569 mm
- drawer depth: 409 mm
- drawer height: 5 x 52 | 2 x 130 mm
- width: 680 mm
- height: 1000 mm
- depth: 458 mm
- weight: 81 kg

Item #
4061

CV

CV-S2



Workshop Trolley | 7 Drawers | with 263 Tools

- consisting of workshop trolley BGS 2001 incl. 3 tool trays, 3/3 made from high-resistance foam (dimensions 567 x 408 x 32 mm)

- Socket Set | 192 pcs. (BGS 4036)
- Hammer, Pliers, Screwdriver Set | 36 pcs. (BGS 4038)
- Open End / Ring Spanners | 35 pcs. (BGS 4089)

- number of drawers: 7
- drawer pull-out: 100 %
- drawer width: 569 mm
- drawer depth: 409 mm
- drawer height: 5 x 52 | 2 x 130 mm
- width: 680 mm
- height: 1000 mm
- depth: 458 mm
- weight: 82 kg

Item #
4062

CV

CV-S2



Workshop Trolley | 7 Drawers | with 129 Tools

- consisting of workshop trolley product 2001 incl. 6 tool trays, made of robust, high-quality hard foam

Tool tray for workshop trolleys 1/3 (dimensions 189 x 408 x 32 mm)

- Socket Set | 12.5 mm (1/2") | 27 pcs. (BGS 4126)
- Socket Set | 6.3 mm (1/4") | 50 pcs. (BGS 4127)
- Pliers Set | 3 pcs. (BGS 4042)
- Stoning and Machinist's Hammer Set | 2 pcs. (BGS 4046)

Tool tray for workshop trolleys 2/3 (dimensions 378 x 408 x 32 mm)

- 12-piece Screwdriver Set (BGS 4122)

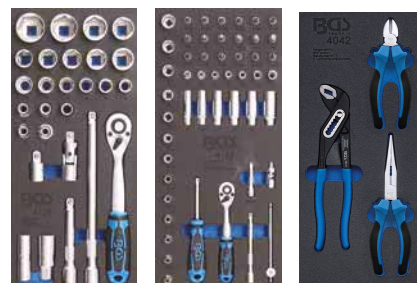
Tool tray for workshop trolleys 3/3 (dimensions 567 x 408 x 32 mm)

- Open End / Ring Spanners | 35 pcs. (BGS 4089)

- BGS® Football (BGS BALL)
- Microfibre Cloth (BGS CLOTH)
- BGS® Coffee Cup (BGS CUP)

- number of drawers: 7
- drawer pull-out: 100 %
- drawer width: 569 mm
- drawer depth: 409 mm
- drawer height: 5 x 52 | 2 x 130 mm
- width: 680 mm
- height: 997 mm
- depth: 458 mm
- weight: 81 kg

Item #
4080



Workshop Trolley „Trainee“ | with 151 Tools

- consisting of workshop trolley BGS 2004 incl. 7 tool trays, made from high-resistance foam

Tool tray for workshop trolleys 1/3 (dimensions 189 x 408 x 32 mm) :

- Socket Set | 6.3 mm (1/4") | 41 pcs. (BGS 4054)
- Stoning and Machinist's Hammer Set | 2 pcs. (BGS 4046)
- Combination Spanner Set | 6 - 22 mm | 12 pcs. (BGS 4082)
- Double Ring Spanner Set | 6x7 - 20x22 mm | deep offset ends | 8 pcs. (BGS 4084)
- Combined bit Set | 49-piece (BGS 4093)

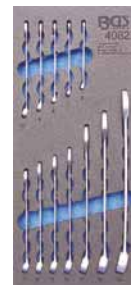
Tool tray for workshop trolleys 2/3 (dimensions 378 x 408 x 32 mm) :

- 12-piece Screwdriver Set (BGS 4122)
- Socket Set 12.5 mm (1/2") | 27 pcs. (BGS 4053)

- number of drawers: 4
- drawer pull-out: 100 %
- drawer width: 569 mm
- drawer depth: 409 mm
- drawer height: 4 x 52 mm
- storage dimensions: 560x395x410 mm
- width: 680 mm
- height: 995 mm
- depth: 458 mm
- weight: 64 kg

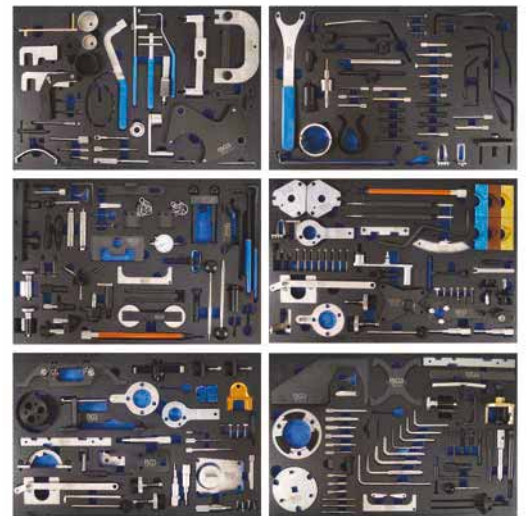
Item #

4086



Workshop Trolley | 7 Drawers | Engine Timing Tool Sets

- consisting of workshop trolley BGS 2001 incl. 6 workshop tool trays 3/3 (dimensions 567 x 408 x 32 mm) made of robust, high-quality hard foam
- Engine Timing Tool Set | for Renault, Nissan, Opel, Volvo (BGS 4134)
- Engine Timing Tool Set | for Fiat, Ford, Citroen, Peugeot (BGS 4135)
- Engine Timing Tool Set | for Ford, VAG, Mazda, Volvo (BGS 4136)
- Engine Timing Tool Set | for Fiat, Alfa, Lancia, Opel, Suzuki, Ford (BGS 4137)
- Engine Timing Tool Set | for Fiat, Alfa, Lancia, Opel, Suzuki, Ford (BGS 4138)
- Engine Timing Tool Set | for Ford, VW, Seat, Mazda, Volvo (BGS 4139)
- width: 680 mm
- height: 997 mm
- depth: 458 mm
- weight: 102 kg
- number of drawers: 7 pieces
- drawer pull-out: 100 %
- drawer width: 569 mm
- drawer height: 5 x 52, 2 x 130 mm
- drawer depth: 409 mm



Item #	
4115	

Workshop Trolley | 7 Drawers | extra low total Height | with 209 Tools 6.3 10 12.5

- consisting of workshop trolley BGS 4102 incl. 3 workshop tool trays 1/3 (dimensions 189 x 408 x 32 mm) and 1 workshop tool tray 3/3 (dimensions 567 x 408 x 32 mm) made of robust, high-quality hard foam
- Socket Set | 192 pcs. (BGS 4036)
- Combination Spanner Set | 6 - 22 mm | 12 pcs. (BGS 4082)
- Stoning and Machinist's Hammer Set | 2 pcs. (BGS 4046)
- Pliers Set | 3 pcs. (BGS 4042)
- width: 724 mm
- height: 859 mm
- depth: 470 mm
- weight: 82.5 kg
- number of drawers: 7 pieces
- drawer pull-out: 100 %
- drawer width: 569 mm
- drawer height: 4 x 53, 3 x 111 mm
- drawer depth: 409 mm



Item #				
4140				

Workshop Trolley Tyre Service | with 82 Tools

- consisting of workshop trolley BGS 2004 incl. 4 tool trays, made from high-resistance foam:

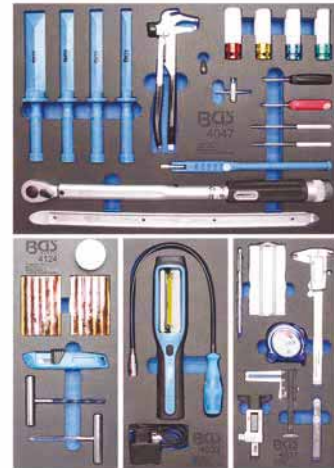
tool trays for workshop trolleys 1/3

- Tyre Repair Kit | 54 pcs. (BGS 4124)
- Measuring Tool Set | 7 pcs. (BGS 4031)
- Handheld Lamp and Magnetic Lifter | 3 pcs. (BGS 4032)

tool tray for workshop trolleys 3/3

- Special Tools for Tyre Service | 18 pcs. (BGS 4047)

- length: 680 mm
- width: 458 mm
- height: 995 mm
- weight: 60 kg
- number of drawers: 4
- drawer pull-out: 100 %
- drawer width: 569 mm
- drawer height: 52 mm
- drawer depth: 409 mm



Item #
4087

Workshop Trolley | 8 Drawers | empty

- heavy duty workshop finish
- wall thickness body: 1.2 mm
- wall thickness drawers: 0.8 mm
- heavy duty 125 mm ball bearing castors, thereof 2 castors lockable
- lockable through central lock
- each drawer individually secured, with safety lock
- 8 smooth running, ball bearing drawers:
 - drawer 1 - 4 drawer capacity: each 20 kg
 - 5th to 7th drawer capacity: each 25 kg
 - 8th drawer capacity: 30 kg
- stable plastic support with 5 storage compartments, load capacity up to 50 kg
- side storage compartment: 78 x 370 x 75 mm (HxWxD)
- side mounted handle
- width: 724 mm
- height: 1033 mm
- depth: 470 mm
- weight: 89 kg
- number of drawers: 8
- drawer pull-out: 100 %
- drawer width: 569 mm
- drawer depth: 409 mm
- drawer height: 4 x 54, 3 x 112, 1 x 170 mm



Item #
4111

Workshop Trolley | 7 Drawers | extra low total Height | empty

- heavy duty workshop finish
- wall thickness body: 1.2 mm
- wall thickness drawers: 0.8 mm
- low height: 85.9 cm
- heavy duty 125 mm ball bearing castors, thereof 2 castors lockable
- lockable through central lock
- 7 smooth running, ball bearing drawers:
 - drawer 1 - 4 capacity: each 25 kg
 - drawer 5 - 7 capacity: each 30 kg
- each drawer individually secured, with safety lock
- work plate with 5 storage compartments
- side storage compartment: 78 x 370 x 75 mm (HxWxD)
- side mounted handle
- width: 724 mm
- height: 859 mm
- depth: 470 mm
- weight: 62 kg
- number of drawers: 7
- drawer pull-out: 100 %
- drawer width: 569 mm
- drawer height: 4 x 53 | 3x 111 mm
- drawer depth: 409 mm

Item #
4102



Workshop Trolley | 8 Drawers | empty

- heavy duty workshop finish
- wall thickness body: 1.0 mm
- wall thickness drawers: 0.8 mm
- heavy duty ball bearing castors, thereof 2 castors lockable
- 2 fixed castors on one axle (160 mm)
- 2 castors (125 mm)
- lockable through central lock
- smooth-running, extendable ball bearing drawers
- each drawer individually secured, with safety lock
- with adjustable side shelf
- 8 drawers (2 extra big drawers), fully extendable
- practical work plate with storage boxes for small parts, tools etc.
- width: 724 mm
- height: 1030 mm
- depth: 470 mm
- weight: 92 kg
- number of drawers: 8 pieces
- drawer pull-out: 100 %
- drawer width: 569 mm
- drawer height: 6 x 80 | 2 x 110 mm
- drawer depth: 409 mm

Item #
4100



Workshop Trolley | 7 Drawers | empty

- 7 ball bearing drawers, 100 % extendable
 - 1st to 5th drawer: capacity up to 20 kgs (per drawer)
 - 6th to 7th drawer: capacity up to 25 kgs (per drawer)
- wall thickness body: 0.9 mm
- wall thickness drawers: 0.7 mm
- max. capacity of top rest up to 50 kgs
- heavy duty ball bearing castors, thereof 2 castors lockable
- lockable through central lock
- practical work plate with antislip plastic plate
- width: 680 mm
- height: 1000 mm
- depth: 458 mm
- weight: 60 kg
- number of drawers: 7
- drawer pull-out: 100 %
- drawer width: 569 mm
- drawer height: 5 x 52 | 2 x 130 mm
- drawer depth: 409 mm

Item #
2001



Workshop Trolley XL | empty

- heavy duty workshop finish
- wall thickness body: 1.0 - 1.2 mm
- wall thickness drawers: 0.7 - 0.8 mm
- heavy duty ball bearing castors, thereof 2 castors lockable
- lockable through central lock
- smooth-running ball bearing drawers
- 11 drawers, fully extensible in the following sizes (from top down)
 - 930 x 410 x 100 mm (max. load 40 kg)
 - 570 x 410 x 70 mm (max. load 20 kg)
 - 340 x 410 x 70 mm (max. load 20 kg)
 - 570 x 410 x 70 mm (max. load 20 kg)
 - 340 x 410 x 70 mm (max. load 20 kg)
 - 570 x 410 x 70 mm (max. load 20 kg)
 - 340 x 410 x 70 mm (max. load 20 kg)
 - 570 x 410 x 100 mm (max. load 25 kg)
 - 340 x 410 x 70 mm (max. load 25 kg)
 - 570 x 410 x 210 mm (max. load 35 kg)
 - 340 x 410 x 210 mm (max. load 35 kg)
- practical wooden work plate
- width: 1080 mm
- height: 1070 mm
- depth: 480 mm
- weight: 116 kg
- number of drawers: 11 pieces
- drawer pull-out: 100 %
- drawer width: 1 x 930 | 5 x 569 | 5 x 340 mm
- drawer height: 6 x 70 | 3 x 100 | 2 x 210 mm
- drawer depth 409

Item #
4110



Workshop Trolley | 4 Drawers, 1 folding Compartment | empty

- 4 ball bearing drawers and 1 storage compartment with retractable closure flap
- drawers and storage compartment separately lockable
- wall thickness body: 0.9 mm
- wall thickness drawers: 0.7 mm
- heavy duty ball bearing castors, thereof 2 castors lockable
- practical work plate with antislip plastic plate
- each drawer's capacity: up to 20 kg
- storage dimensions (W x D x H): 560x395x410 mm (capacity: 30 kg)
- width: 680 mm
- height: 995 mm
- depth: 458 mm
- weight: 53 kg
- number of drawers: 4
- drawer pull-out: 100 %
- drawer width: 569 mm
- drawer height: 52 mm
- drawer depth: 409 mm



Item #

2004

Workshop Trolley | 2 Drawers | Horizontal double Drawer Slide | empty

- large storage area with rubber insert
- wall thickness body: 1.5 mm
- wall thickness drawers: 0.8 - 1.5 mm
- shelf with rubber insert in double pull-out compartment
- perforated tray on the sides for e.g. T-handle sockets
- side storage space for spray cans, etc.
- large storage area in the bottom plate
- four rubber wheels and 2 swivel castors with brake
- all wheels, drawers and double extension have ball bearings
- handle for pulling or pushing
- width: 875 mm
- holder for paper rolls with a width up to 275 mm
- height: 840 mm
- depth: 370 mm
- weight: 27 kg
- number of drawers: 2
- drawer pull-out: 100 %
- drawer width: 320 mm
- drawer height: 2 x 55 mm
- drawer length: 565 mm



Item #

4105

Workshop Trolley | 1 Drawer | open Type

- particularly useful for storage of small components and tools
- 3 shelves (top, middle, bottom), internal dimensions: (W x D x H) 675 x 460 x 55 mm
- 1 drawer, extendable, capacity 25 kg, internal dimensions: (W x D x H) 565 x 400 x 55 mm
- 1 side shelf, internal dimensions: (W x D x H) 100 x 460 x 100 mm
- 2 castors Ø 100 mm, 2 swivel castors Ø 100 mm, with brake
- overall dimensions: (W x D x H) 860 x 485 x 815
- total capacity 150 kg
- length: 860 mm
- width: 485 mm
- height: 815 mm



Item #
4200

Workshop Trolley Attachment | 4 Drawers | empty

- suitable as attachment for PRO workshop trolley BGS 4111, 4102
- wall thickness body: 1.0 mm
- wall thickness drawers: 0.8 mm
- 4 smooth running, ball bearing drawers, fully extensible
- rated load capacity of each drawer: 20 kg
- each drawer individually secured, with safety lock
- 1 large storage compartment with lockable and hydraulically operated closure lid, inside dimensions: (W x D x H) 610 x 420 x 75 mm
- side storage: (W x D x H) 370 x 75 x 78 mm
- 2 side-mounted handles
- length: 730 mm
- width: 480 mm
- height: 430 mm
- weight: 44 kg
- number of drawers: 4 pieces
- drawer width: 569 mm
- drawer height: 3 x 40 | 1 x 70 mm
- drawer depth: 409 mm



Item #
4112

Workshop Trolley Attachment | 3 Drawers | empty

- suitable as attachment for BGS 2001
- wall thickness body: 0.8 mm
- wall thickness drawers: 0.6 mm
- 2 flat, 1 higher drawer
- 1 large storage compartment
- with lockable closure lid
- side-mounted handles
- ball bearing drawers
- length: 660 mm
- width: 310 mm
- height: 375 mm
- weight: 25 kg
- number of drawers: 4
- drawer width: 560 mm
- drawer height: 3 x 40 | 1x 70 mm
- drawer depth: 395 mm

Item #
4001



Metal Tool Box, empty | 3 Drawers

- 3 drawers
- 1 upper compartment with lid
- lockable, lock with optical control, red = closed, green = opened
- drawers are locked when the lid is closed
- 2 side metal handles
- 1 upper plastic handle
- compartment internal dimensions (W x D x H) 515 x 215 x 90 mm
- drawers internal dimensions (W x D x H) 500 x 200 x 45 mm
- length: 535 mm
- width: 290 mm
- height: 240 mm

Item #
3312



Mobile Assembly Trolley

- consists of three removable parts: 1 box with flap lid and carrying handle, 2 drawers, 1 big box with front lid
- ideal for e.g. assembly workers, mechanics, electricians, etc.
- removable upper and middle box are lockable with the box below
- length: 530 mm
- width: 320 mm
- height: 720 mm
- castor diameter: 125 mm
- max. load bearing capacity: 75 kg



Item #
2002

Assembly Cart Attachment | for BGS 2002

- box detachable and lockable with box below
- 1 drawer
- ideal for e.g. assembly workers, mechanics, electricians, etc.
- dimensions: 500 x 250 x 180 mm



Item #
2002-1

Mobile Table

- adjustable height via telescopic square tube, from 880 to 1180 mm
- dimensions: W 754 x D 515 mm
- 1 large shelf, inner dimensions: W 730 x D 430 x H 20 mm
- 3 small shelves, inner dimensions: W 240 x D 70 x H 20 mm
- 4 castors, Ø 60 mm
- capacity: 23 kg
- length: 754 mm
- width: 515 mm



Item #
4101

Tool Tray 1/6: Impact Bit Socket Set | 6.3 mm (1/4") | 40 pcs.

6.3 1/4

- suitable for both manual and impact use
- extra short version
- 10x T-Star (for Torx): T10 - T15 - T20 - T25 - T27 - T30 - T40 - T45 - T47 - T50
- 5x T-Star (for Torx) tamperproof : TH30 - TH40 - TH45 - TH47 - TH50
- 5x Spline (for XZN): M4 - M5 - M6 - M8 - M10
- 4x Spline (for XZN) tamperproof : MH5 - MH6 - MH8 - MH10
- 3x Square (for Robertson): 1 - 2 - 3
- 4x slot SL: 3 mm - 4 mm - 5.5 mm - 7 mm
- 7x internal hexagon: H3 - H4 - H5 - H6 - H7 - H8 - H10
- 4x cross slot PH: PH: PH1 - PH2 - PH3

Item #
9523



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

- retraction angle 5°, 72 teeth
- ratchet wrench 8 mm, BGS 30828
- ratchet wrench 10 mm, BGS 30830
- ratchet wrench 11 mm, BGS 30831
- ratchet wrench 12 mm, BGS 30832
- width: 189 mm
- height: 32 mm
- depth: 204 mm



Item #	Description
30833	Tool Tray 1/6: Ratchet Wrench 4 pcs.
30833-1	Tool Tray 1/6, empty for Item 30833



Tool Tray 1/6: High Pressure Pump Sprocket Puller | for Common-Rail | Hyundai & Kia

- to remove the high pressure pump sprocket when dismantling the high pressure pump on Common Rail Diesel vehicles from Hyundai and Kia
- suitable for following vehicles:
KIA Carens (UN), Cee'd (ED) & (JD), Optima (TF), Rio (UB), Soul (AM), Sportage (SL) & (SLE), Venga (YN), Soul (PS), Hyundai Matrix, Getz, i30
- engine codes: 1.1D (TCI-U2), 1.4D (TCI-U2), 1.6D (TCI-U2), 1.7D (TCI-U2), 1.6 TCI (U2), 1.4 CRDi (U2), 1.6 CRDi (U2)
- contains: high pressure pump removal tool, to be used as OEM 093312A010, consisting of base plate, sprocket stopper, mounting screws

Item #	
9497	 1/6



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

- suitable for Mercedes Benz CDI engines
- for reaming the broken-off expansion bolt & repairing the M6 thread in the cylinder head
- time saving as the replacement of the cylinder head and the removal of injectors and valve covers is not necessary
- damaged thread is reworked to size M8 x 1
- 1 twist drill 6 mm, with adjusting ring for drilled depth
- 1 step drill 7 to 8 mm, with adjusting ring for drilled depth
- 1 guide sleeve for 6 mm twist drill
- 1 tap M8x1
- 1 assembly tool for threaded inserts
- 5 threaded inserts, inner thread M6x1 / outer thread M8x1

Item #	
9538	 1/6



Tool Tray 1/3: Socket Set | 50 pcs.

6.3 ■ 1/4

- 1 spinner handle, 150 mm
- 2 extensions, length: 50 + 100 mm
- 1 universal joint
- 1 sliding bar 114 mm
- 1 reversible ratchet, offset design, fine toothed, 72 teeth with quick release function
- 6 bit sockets, T-Star tamperproof (for Torx): T10 - T15 - T20 - T25 - T30 - T40
- 6 bit sockets, internal hexagon: 3 - 4 - 5 - 6 - 7 - 8 mm
- 3 bit sockets, slot sl: 4 - 5.5 - 6.5 mm
- 3 x bit sockets, cross slot PH: PH1 - PH2 - PH3
- 13 sockets, hexagon Pro Torque®, 4 - 4.5 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 mm
- 7 sockets, E-type, E4 - E5 - E6 - E7 - E8 - E10 - E11
- 6 sockets, deep, hexagon Pro Torque®, 8-10-11-12-13-14 mm
- surface finish: satin chrome plated
- width: 189 mm
- height: 32 mm
- depth: 408 mm

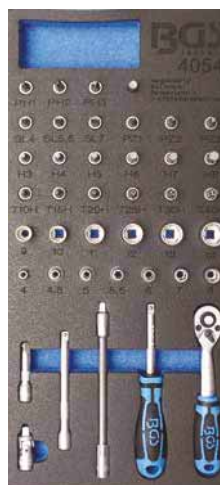


Item #	Description
4127	Tool Tray 1/3: Socket Set 50 pcs.
4127-1	Tool Tray 1/3, empty for Item 4127

Tool Tray 1/3: Socket Set | 41 pcs.

6.3 ■ 1/4

- 1 socket adapter external hexagon of external square 6.3 mm (1/4")
- 1 spinner handle
- 2 extensions, length: 50 + 100 mm
- 1 universal joint
- 1 flexible extension bar
- 1 reversible ratchet with quick release button
- 6 bit sockets, T-Star tamperproof drive (for Torx): T10 - T15 - T20 - T25 - T30 - T40
- 6 bit sockets, internal hexagon: 3 - 4 - 5 - 6 - 7 - 8 mm
- 3 bit sockets, plain slot drive: 4 - 5 - 7 mm
- 3 bit sockets, cross slot drive PH: PH1 - PH2 - PH3
- 3 bit sockets, cross slot drive PZ: PZ1 - PZ2 - PZ3
- 13 Super Lock sockets: 4 - 4.5 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 mm
- surface finish: satin chrome plated
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4054	Tool Tray 1/3: Socket Set 41 pcs.
4054-1	Tool Tray 1/3, empty for Item 4054

Tool Tray 1/3: Socket Set | 26 pcs.

10  3/8

- sockets in hexagon Pro torque® design

Socket Set | 10 mm (3/8") | 26 pcs.

- 18 knurled sockets, satin chrome plated, internal square drive 10 mm (3/8"), hexagon drive 6 - 24 mm
- 3 extension bars, lengths: 45 - 75 - 150 mm
- 2 spark plug sockets 16 - 21 mm
- 1 universal joint
- reversible ratchet with quick release button
- adaptor 10 mm (3/8") - 12.5 mm (1/2")
- surface finish: satin chrome plated
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4052	Tool Tray 1/3: Socket Set 26 pcs.
4052-1	Tool Tray 1/3, empty for Item 4052



Tool Tray 1/3: Socket Set | 27 pcs.

12.5  1/2

- sockets in hexagon Pro torque® design

Socket Set | 12.5 mm (1/2") | 27 pcs.

- 2 wobble type extension bars 125 + 250 mm
- 1 adaptor for extension / sliding bar
- 1 universal joint
- 2 spark plug sockets 16 + 21 mm
- 20 sockets with Pro torque® hexagon profile in the following sizes:
8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 27 - 30 - 32 mm
- surface finish: satin chrome plated
- width: 189 mm
- height: 32 mm
- depth: 408 mm



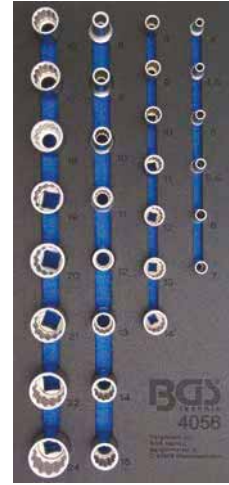
Item #	Description
4126	Tool Tray 1/3: Socket Set 27 pcs.
4126-1	Tool Tray 1/3, empty for Item 4126



Tool Tray 1/3: Sockets 12-point | 29 pcs.

6.3 1/4 12.5 1/2

- 16 12-point sockets, 12.5 mm (1/2") drive: 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 24 mm
- 13 12-point sockets, 6.3 mm (1/4") drive: 4 - 4.5 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 mm
- surface finish: satin chrome plated
- width: 189 mm
- height: 32 mm
- depth: 408 mm

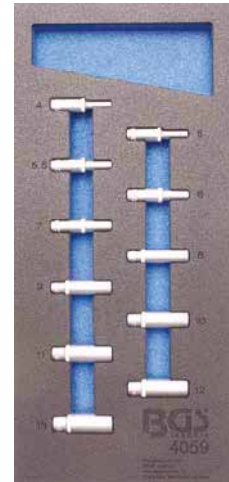


Item #	Description
4056	Tool Tray 1/3: Sockets 12-point 29 pcs.
4056-1	Tool Tray 1/3, empty for Item 4056

Tool Tray 1/3: Sockets, Hexagon | deep | 11 pcs.

6.3 1/4

- Pro torque® finish, deep
- knurled
- 11 sockets, 6.3 mm (1/4") drive, sizes: 4 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm
- surface finish: satin chrome plated
- width: 189 mm
- height: 32 mm
- depth: 408 mm

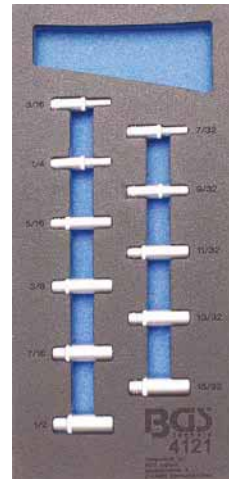


Item #	Description
4059	Tool Tray 1/3: Sockets, Hexagon deep 11 pcs.
4059-1	Tool Tray 1/3, empty for Item 4059

Tool Tray 1/3: Sockets | Inch Sizes | deep | 11 pcs.

6.3 1/4

- Pro torque® finish, deep
- knurled
- sockets, deep, internal square drive 6.3 mm (1/4"): 3/16" - 7/32" - 1/4" - 9/32" - 5/16" - 11/32" - 3/8" - 13/32" - 7/16" - 15/32" - 1/2"
- surface finish: satin chrome plated
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4121	Tool Tray 1/3: Sockets Inch Sizes deep 11 pcs.
4121-1	Tool Tray 1/3, empty for Item 4121

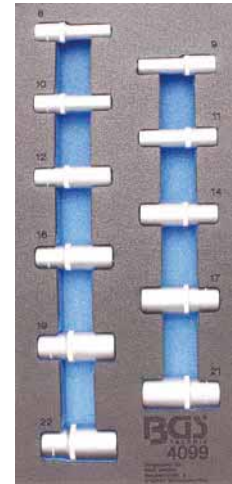
Tool Tray 1/3: Sockets | Inch Sizes | deep | 11 pcs.

10  3/8

- Pro torque® finish, deep
- knurled
- 11 sockets, 10 mm (3/8") drive: 5/16" - 1/32" - 3/8" - 7/16" - 1/2" - 9/16" - 5/8" - 11/16" - 3/4" - 13/16" - 7/8"
- surface finish: satin chrome plated
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4099	Tool Tray 1/3: Sockets Inch Sizes deep 11 pcs.
4099-1	Tool Tray 1/3, empty for Item 4099



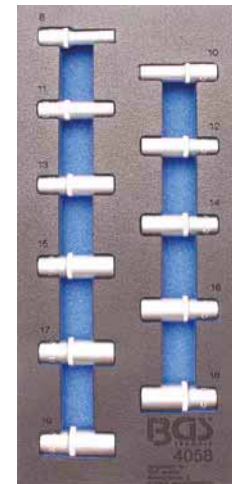
Tool Tray 1/3: Sockets, Hexagon | deep | 11 pcs.

10  3/8

- Pro torque® finish, deep
- knurled
- 11 sockets, 10 mm (3/8"): 8 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm
- surface finish: satin chrome plated
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4058	Tool Tray 1/3: Sockets, Hexagon deep 11 pcs.
4058-1	Tool Tray 1/3, empty for Item 4058



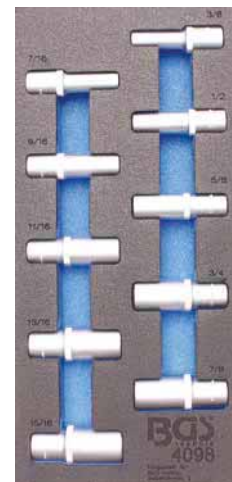
Tool Tray 1/3: Sockets | Inch Sizes | deep | 10 pcs.

12.5  1/2

- Pro torque® finish, deep
- knurled
- 10 sockets, 12.5 mm (1/2") drive: 3/8" - 7/16" - 1/2" - 9/16" - 5/8" - 11/16" - 3/4" - 13/16" - 7/8" - 15/16"
- surface finish: satin chrome plated
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4098	Tool Tray 1/3: Sockets Inch Sizes deep 10 pcs.
4098-1	Tool Tray 1/3, empty for Item 4098



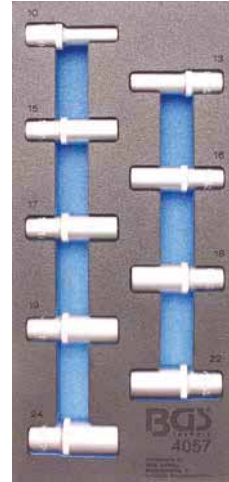
Tool Tray 1/3: Sockets, Hexagon | deep | 9 pcs.

12.5 ■ 1/2

- Pro torque® finish, deep
- knurled
- 9 sockets, 12.5 mm (1/2") drive: 10 - 13 - 15 - 16 - 17 - 18 - 19 - 22 - 24 mm
- surface finish: satin chrome plated
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4057	Tool Tray 1/3: Sockets, Hexagon deep 9 pcs.
4057-1	Tool Tray 1/3, empty for Item 4057



Tool Tray 1/3: Impact Sockets Hexagon | 20 pcs.

12.5 ■ 1/2

- impact sockets, length 38 mm 10-12-13-14-15-17-19-21-22-24 mm
- with groove and hole for retaining ball
- especially suitable for impact use
- hexagon Pro Torque® sockets
- impact sockets, length 72 mm 10-12-13-14-15-17-19-21-22-24 mm

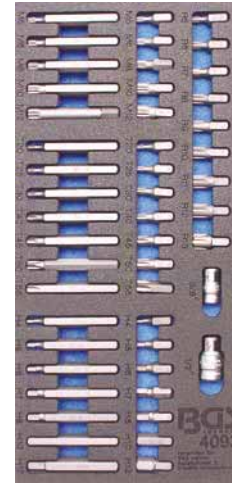


Item #	Description
4130	Tool Tray 1/3: Impact Sockets Hexagon 20 pcs.
4130-1	Tool Tray 1/3, empty for Item 4130



Tool Tray 1/3: Combined Bit Set | 49 pcs.

- 14 bits, short and long models, external hexagon drive 10 mm (3/8"), internal hexagon: 4 - 5 - 6 - 7 - 8 - 10 - 12 mm
- 14 bits, short and long models, external hexagon drive 10 mm (3/8"), T-Star (for Torx): T20 - T25 - T30 - T40 - T45 - T50 - T55
- 10 bits, short and long models, external hexagon drive 10 mm (3/8"), spline (for XZN): M5 - M6 - M8 - M10 - M12
- 9 bits, 30 mm long, 10 mm (3/8") drive, spline (for Ribe): M5 - M6 - M7 - M8 - M9 - M10 - M11 - M12 - M13
- 1 bit adaptor, 10 mm (3/8") drive, internal hexagon 10 mm (3/8")
- 1 bit adaptor, 12.5 mm (1/2") drive, internal hexagon 10 mm (3/8")
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4093	Tool Tray 1/3: Combined Bit Set 49 pcs.
4093-1	Tool Tray 1/3, empty for Item 4093

Tool Tray 1/3: Bit and Bit Socket Assortment | 27 pcs.

12.5 1/2

- 5 bit sockets, knurled, 12.5 mm (1/2") drive, T-Star (for Torx): T45 - T50 - T55 - T60 - T70
- 7 bits, 6.3 mm (1/4") drive, T-Star (for Torx): T10 - T15 - T20 - T25 - T27 - T30 - T40
- 12 bits, 6.3 mm (1/4") drive, T-Star tamperproof drive (for Torx): T10 - T15 - T20 - T25 - T27 - T30 - T40 - T45 - T50 - T55 - T60 - T70
- 3 bit adaptors, internal square drive: 6.3 mm (1/4") - 10 mm (3/8") - 12.5 mm (1/2")
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4097	Tool Tray 1/3: Bit and Bit Socket Assortment 27 pcs.
4097-1	Tool Tray 1/3, empty for Item 4097

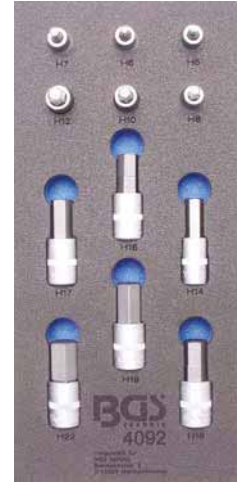
Tool Tray 1/3: Bit Socket Set | internal Hexagon | 12 pcs.

12.5 mm 1/2"

- knurled
- 12 bit sockets, 12.5 mm (1/2") drive, internal hexagon 5 - 6 - 7 - 8 - 10 - 12 - 14 - 16 - 17 - 18 - 19 - 22 mm
- surface finish: satin chrome plated
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4092	Tool Tray 1/3: Bit Socket Set internal Hexagon 12 pcs.
4092-1	Tool Tray 1/3, empty for Item 4092



Tool Tray 1/3: Extension Bar, Adaptor and Joint Set | 18 pcs.

6.3 mm 1/4"

10 mm 3/8"

12.5 mm 1/2"

- "Wobble" extension bar, 6.3 mm (1/4"), length: 50 - 100 - 250 mm
- "Wobble" extension bar, 10 mm (3/8"), length: 75 - 150 - 250 mm
- "Wobble" extension bar, 12.5 mm (1/2"), length: 50 - 125 - 250 mm
- knurled
- adaptor internal 6.3 mm (1/4") drive, external 10 mm (3/8"), max. capacity 60 Nm
- adaptor internal 10 mm (3/8") drive, external 6.3 mm (1/4"), max. capacity 60 Nm
- adaptor internal 10 mm (3/8") drive, external 12.5 mm (1/2"), max. capacity 200 Nm
- adaptor internal 12.5 mm (1/2") drive, external 10 mm (3/8"), max. capacity 200 Nm
- adaptor internal 12.5 mm (1/2") drive, external 20 mm (3/4"), max. capacity 500 Nm
- adaptor internal 20 mm (3/4") drive, external 12.5 mm (1/2"), max. capacity 500 Nm
- universal joint with spring 6.3 mm (1/4")
- universal joint with spring 10 mm (3/8")
- universal joint with spring 12.5 mm (1/2")
- surface finish: satin chrome plated (except for universal joints)
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4051	Tool Tray 1/3: Extension Bar, Adaptor and Joint Set 18 pcs.
4051-1	Tool Tray 1/3, empty for Item 4051

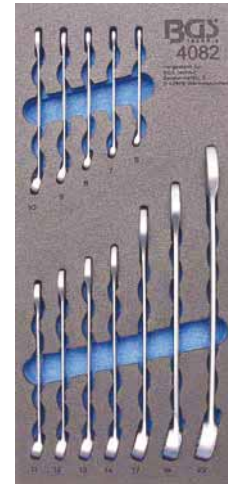


Tool Tray 1/3: Combination Spanner Set | 6 - 22 mm | 12 pcs.

- cold forged
- ring head 15° angled
- profile on ring side: 12-point
- 12 combination spanners 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 17 - 19 - 22 mm
- surface finish: satin chrome plated
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4082	Tool Tray 1/3: Combination Spanner Set 6 - 22 mm 12 pcs.
4082-1	Tool Tray 1/3, empty for Item 4082



Tool Tray 1/3: Combination Spanner Set | 24 - 32 mm | 4 pcs.

- cold forged, ring end 15° offset
- profile on ring side: 12-point
- 4 combination spanners: 24 - 27 - 30 - 32 mm
- surface finish: chrome-plated, matt
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4083	Tool Tray 1/3: Combination Spanner Set 24 - 32 mm 4 pcs.
4083-1	Tool Tray 1/3, empty for Item 4083

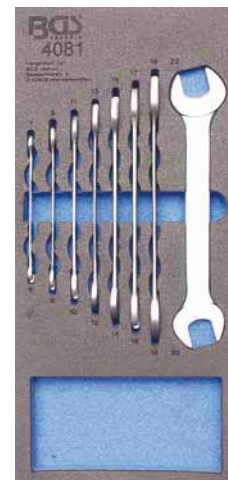


Tool Tray 1/3: Double Open End Spanner Set | 6 - 22 mm | 8 pcs.

- cold forged
- 8 double open end spanners: 6 x 7 - 8 x 9 - 10 x 11 - 12 x 13 - 14 x 15 - 16 x 17 - 18 x 19 - 20 x 22
- surface finish: satin chrome plated
- width: 189 mm
- height: 32 mm
- depth: 408 mm

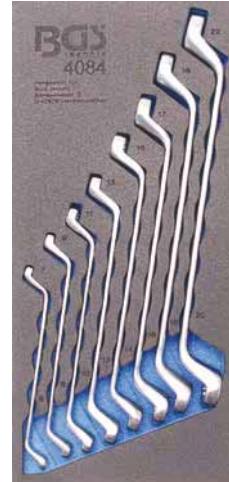


Item #	Description
4081	Tool Tray 1/3: Double Open End Spanner Set 6 - 22 mm 8 pcs.
4081-1	Tool Tray 1/3, empty for Item 4081



Tool Tray 1/3: Double Ring Spanner Set | 6x7 - 20x22 mm | deep offset Ends | 8 pcs.

- cold forged
- profile on ring side: 12-point
- 8 double ring spanners: 6 x 7 - 8 x 9 - 10 x 11 - 12 x 13 - 14 x 15 - 16 x 17 - 18 x 19 - 20 x 22 mm
- surface finish: satin chrome plated
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4084	Tool Tray 1/3: Double Ring Spanner Set 6x7 - 20x22 mm deep offset Ends 8 pcs.
4084-1	Tool Tray 1/3, empty for Item 4084

Tool Tray 1/3: Ratchet Wrench Set | 8 - 19 mm | 12 pcs.

- fine toothed (72 tooth)
- 8 mm, length 130 mm
- 9 mm, length 140 mm
- 10 mm, length 155 mm
- 11 mm, length 160 mm
- 12 mm, length 165 mm
- 13 mm, length 170 mm
- 14 mm, length 185 mm
- 15 mm, length 200 mm
- 16 mm, length 205 mm
- 17 mm, length 220 mm
- 18 mm, length 230 mm
- 19 mm, length 245 mm
- surface finish: satin chrome plated
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4128	Tool Tray 1/3: Ratchet Wrench Set 8 - 19 mm 12 pcs.
4128-1	Tool Tray 1/3, empty for Item 4128

Tool Tray 1/3: Screwdriver T-Star (for Torx) | 5 pcs.

- non-slip rubber handles
- screwdriver, length: 80 mm, T-Star (for Torx) T6
- screwdriver, length: 80 mm, T-Star (for Torx) T7
- screwdriver, length: 80 mm, T-Star (for Torx) T8
- screwdriver, length: 80 mm, T-Star (for Torx) T9
- screwdriver, length: 80 mm, T-Star (for Torx) T10
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4076	Tool Tray 1/3: Screwdriver T-Star (for Torx) 5 pcs.
4076-1	Tool Tray 1/3, empty for Item 4076

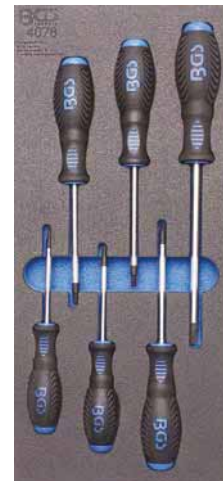


Tool Tray 1/3: Screwdriver T-Star (for Torx) | 6 pcs.

- non-slip rubber handle
- screwdriver, length: 80 mm, T-Star (for Torx) T15
- screwdriver, length: 80 mm, T-Star (for Torx) T20
- screwdriver, length: 100 mm, T-Star (for Torx) T25
- screwdriver, length: 100 mm, T-Star (for Torx) T27
- screwdriver, length: 100 mm, T-Star (for Torx) T30
- screwdriver, length: 150 mm, T-Star (for Torx) T40
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4078	Tool Tray 1/3: Screwdriver T-Star (for Torx) 6 pcs.
4078-1	Tool Tray 1/3, empty for Item 4078



Tool Tray 1/3: Screwdriver Set | 11 pcs.

- anti-slip 2-component handles
- screwdriver, 80 mm, cross slot PH1
- screwdriver, 100 mm, cross slot PH2
- screwdriver, 80 mm, slot SL 4 mm
- screwdriver, 125 mm, slot SL 5.5 mm
- screwdriver, 150 mm, slot SL 6.5 mm
- precision screwdriver, 75 mm, slot SL 2 mm
- precision screwdriver, 75 mm, slot SL 3 mm
- precision screwdriver, 75 mm, slot SL 4 mm
- precision screwdriver, 75 mm, cross slot PH00
- precision screwdriver, 75 mm, cross slot PH0
- precision screwdriver, 75 mm, cross slot PH1
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4131	Tool Tray 1/3: Screwdriver Set 11 pcs.
4131-1	Tool Tray 1/3, empty for Item 4131

Tool Tray 1/3: VDE Screwdriver Set | 8 pcs.

- anti-slip 2-component handles
- with hanging hole
- screwdriver, 75 mm, slot SL 0.5 x 3.0 mm
- screwdriver, 100 mm, slot SL 0.8 x 4.0 mm
- screwdriver, 125 mm, slot SL 1.0 x 5.5 mm
- screwdriver, 150 mm, slot SL 1.2 x 6.5 mm
- screwdriver, 75 mm, cross slot PH 0
- screwdriver, 80 mm, cross slot PH 1
- screwdriver, 100 mm, cross slot PH 2
- voltage tester, 140 mm, slot SL 0.5 x 3.0 mm
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4037	Tool Tray 1/3: VDE Screwdriver Set 8 pcs.
4037-1	Tool Tray 1/3, empty for Item 4037

Tool Tray 1/3: Precision Pliers Set "Mini" | 6 pcs.

- spring loaded
- 2-component handles
- combination pliers, 115 mm
- diagonal side cutters, 115 mm
- long nose pliers, 130 mm
- bent nose pliers, 125 mm
- end cutting pliers, 110 mm
- needle pliers, 150 mm
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4024	Tool Tray 1/3: Precision Pliers Set "Mini" 6 pcs.
4024-1	Tool Tray 1/3, empty for Item 4024



Tool Tray 1/3: VDE Pliers Set | 5 pcs.

- diagonal side cutters 160 mm
- cable stripper, 160 mm
- combination pliers 180 mm
- telephone pliers 200 mm
- telephone pliers, 200 mm, angled
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4132	Tool Tray 1/3: VDE Pliers Set 5 pcs.
4132-1	Tool Tray 1/3, empty for Item 4132



Tool Tray 1/3: Pliers Set | 3 pcs.

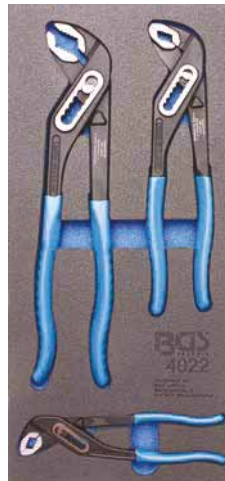
- diagonal side cutter, 165 mm
 - 2-component handles
- long nose pliers, straight, 200 mm
 - 2-component handles
- waterpump pliers with box joint, 240 mm, aperture max. 38 mm
 - forged, black finish
 - handles dip insulated
- surface finish: satin chrome plated
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4042	Tool Tray 1/3: Pliers Set 3 pcs.
4042-1	Tool Tray 1/3, empty for Item 4042

Tool Tray 1/3: Water Pump Pliers | 3 pcs.

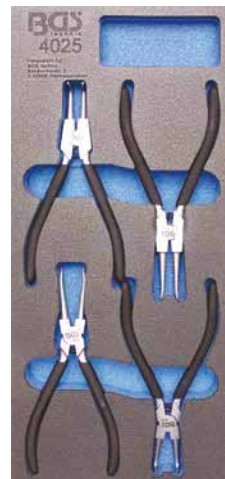
- forged and hardened
- handles dip coated
- waterpump pliers 175 mm, aperture max. 27 mm
- waterpump pliers 240 mm, aperture max. 38 mm
- waterpump pliers 300 mm, aperture max. 44 mm
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4022	Tool Tray 1/3: Water Pump Pliers 3 pcs.
4022-1	Tool Tray 1/3, empty for Item 4022

Tool Tray 1/3: Circlip Pliers Set | 4 pcs.

- for the dismantling and assembly snap rings
- special hardened tips, Ø 1.8 mm
- dipped handles
- circlip pliers for external snap rings, 180 mm, angular
- circlip pliers for external snap rings, 180 mm, straight
- circlip pliers for internal snap rings, 180 mm, angular
- circlip pliers for internal snap rings, 180 mm, straight
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4025	Tool Tray 1/3: Circlip Pliers Set 4 pcs.
4025-1	Tool Tray 1/3, empty for Item 4025

Tool Tray 1/3: Locking Pliers | 4 pcs.

- adjustable contact pressure
- 3 locking pliers 125 - 180 - 250 mm
- 1 long nose pliers 150 mm
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4040	Tool Tray 1/3: Locking Pliers 4 pcs.
4040-1	Tool Tray 1/3, empty for Item 4040



Tool Tray 1/3: Stubby Bodywork Metal shears | 3 pcs.

- for cutting sheets made of stainless steel, steel, copper, brass, etc.
- cuts up to 1.2 mm cold rolled steel or 0.7 mm AISI-304 stainless steel
- serrated edged blades, forged, induction-hardened, chrome molybdenum alloy
- 2-component handles
- mini body sheet shears, 195 mm, straight cut
- mini body sheet shears, 195 mm, lefthand cut
- mini body sheet shears, 195 mm, righthand cut
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4125	Tool Tray 1/3: Stubby Bodywork Metal shears 3 pcs.
4125-1	Tool Tray 1/3, empty for Item 4125

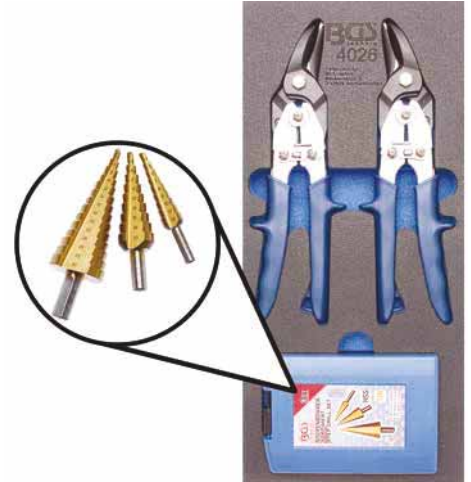


Tool Tray 1/3: Metal Shears, Step Drill | 5 pcs.

- tinmans shears, cuts left + straight, 260 mm
- tooth jaw forged from chrome vanadium steel, right + straight cutting, 260 mm
- HSS step drill, titanium nitride, Ø 4 - 12 mm, steps: 4, 5, 6, 7, 8, 9, 10, 11, 12 mm
- HSS step drill, titanium nitride, Ø 4 - 20 mm, steps: 4, 6, 8, 10, 12, 14, 16, 18, 20 mm
- HSS step drill, titanium nitride, Ø 4 - 30 mm, steps: 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30 mm
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4026	Tool Tray 1/3: Metal Shears, Step Drill 5 pcs.
4026-1	Tool Tray 1/3, empty for Item 4026



Tool Tray 1/3: Crimping Pliers Set with 5 Pairs of Pressing Jaws | 11 pcs.

- 1 crimping tool set with ratcheting function, adjustable jaws and pressure point unlocking
- 1 crimping jaws set for closed non-insulated terminal ends, AWG (20-18) - (16-14) - (12-10) - 8 or DIN 1.5 - 2.5 - 6 - 10 mm² or JIS 1.25 - 2 - 5.5 - 8 mm²
- 1 crimping jaws set for insulated terminal ends, AWG (22-18) - (16-14) - (12-10) or DIN (0.5-1.0) - (1.5-2.5) - (4-6) mm²
- 1 crimping jaws set for open, non-insulated terminal ends, AWG (20-18) - (16-14) - (12-10) or DIN (0.5-1.0) - (1.5-2.5) - (4-6) mm²
- 1 crimping jaws set for small insulated terminal ends, AWG (22-18) - (16-14) - (12-10) or DIN (0.5-1.0) - (1.5-2.5) - (4-6) mm²
- 1 crimping jaws set for big insulated terminal ends, AWG 22 - 20 - 18 - 16 - 14 - 12 or DIN 0.5 - 0.75 - 1.0 - 1.5 - 2.5 - 4.0 mm²
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4027	Tool Tray 1/3: Crimping Pliers Set with 5 Pairs of Pressing Jaws 11 pcs.
4027-1	Tool Tray 1/3, empty for Item 4027



Tool Tray 1/3: Crimping Tool and Wire Strippers | 12 pcs.

Crimping Tool Set with 5 Pairs of jaws

- 1 crimping tool set with ratcheting function, adjustable locking device and pressure point unlocking, exchangeable crimping jaws
- 1 crimping jaws set 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
- 1 crimping jaws set for insulated terminal ends, AWG (22-18) - (16-14) - (12-10), DIN (0.5-1.0) - (1.5-2.5) - (4-6) mm²
- 1 crimping jaws set for open, non-insulated terminal ends, AWG (22-18) - (16-14) - (12-10), DIN (0.5-1.0) - (1.5-2.5) - (4-6) mm²
- 1 crimping jaws set for small insulated terminal ends, AWG (22-18) - (16-14) - (12-10), DIN (0.5-1.0) - (1.5-2.5) - (4-6) mm²
- 1 crimping jaws set for big insulated terminal ends, AWG 22 - 20 - 18 - 16 - 14 - 12, DIN 0.5 - 0.75 - 1.0 - 1.5 - 2.5 - 4.0 mm²

Automatic wire stripper, 210 mm

- for wires with diameters 0.13 - 6 mm²
- with cutter for insulated, not insulated terminals and spark plug

- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4029	Tool Tray 1/3: Crimping Tool and Wire Strippers 12 pcs.
4029-1	Tool Tray 1/3, empty for Item 4029

Tool Tray 1/3: File Set | 5 pcs.

- files with plastic handles
- 1 flat file, 250 mm, 1st cut (coarse)
- 1 flat file, 200 mm, 2nd cut (medium fine)
- 1 half-round file, 200 mm, 1st cut (coarse)
- 1 triangular file, 150 mm, 2nd cut (medium fine)
- 1 round file, 150 mm, 1st cut (coarse)
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4030	Tool Tray 1/3: File Set 5 pcs.
4030-1	Tool Tray 1/3, empty for Item 4030

Tool Tray 1/3: Wire Stripping Pliers | 3 pcs.

- 1 wire stripper
 - self-adjusting for cable diameter Ø 0.2 - 6 mm²
 - front-cutting with adjustable length stop for stripping from 8 to 12 mm
 - with cable cutter up to Ø 2 mm
 - locking device for spacesaving and protecting saw blades
- 1 wire stripper, 215 mm
 - for stripping cables Ø 0.5 - 0.65 - 0.8 - 1.0 - 1.3 - 1.6 - 2.0 mm, 12 - 14 - 16 - 18 - 20 - 22 - 24 AWG, coaxial cables 6 mm
 - for crimping non-insulated terminals: Ø 0.3 - 0.5 - 1.25 - 2.0 mm
 - specially hardened carbon steel
- 1 automatic wire stripper, 210 mm
 - for wires with diameters 0.13 - 6 mm²
 - with cutter for insulated and not insulated terminals and spark plugs
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4028	Tool Tray 1/3: Wire Stripping Pliers 3 pcs.
4028-1	Tool Tray 1/3, empty for Item 4028

Tool Tray 1/3: Bent Hose Clamp Pliers and Closure Clamps | 7 pcs.

- 3 hose clamping pliers
 - for clamping rubber hoses, e.g. brake, fuel and coolant hoses
 - approx. 30° angled
 - suitable for tube Ø 10 - 15 - 24 mm
 - fibre glass composite material
- 4-piece steel line stopper set
 - for closing brake, fuel and other automotive steel pipes
 - fits on e.g. 3/8", 5/16" and 1/2" banjo fittings
 - distance of sealing rubber is adjustable
 - prevents fluid leaks and contamination during service
 - suitable for all automotive fluids
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4123	Tool Tray 1/3: Bent Hose Clamp Pliers and Closure Clamps 7 pcs.
4123-1	Tool Tray 1/3, empty for Item 4123

Tool Tray 1/3: Oil Pan Sockets / Oil Filter Chain Wrench | 22 pcs.

10  3/8

Professional Oil Filter Chain Wrench

- pro version with duplex chain
- chain width 13 mm
- for rusted oil filter
- easy handling
- suitable for all steel filter cartridges with diameter 60 - 115 mm

Special Oil Pan Sockets, internal hexagon drive, 10 mm (3/8"), 21 pcs.

- black finish
- 9 hexagon sockets 8 - 9 - 10 - 12 - 14 - 17 mm, 5/16", 10 mm (3/8"), 12.5 mm (1/2")
- 8 square sockets 8 - 11 - 12 - 13 - 14 mm, 5/16", 10 mm (3/8"), 12.5 mm (1/2")
- 1 internal square socket 10 mm
- 1 triangle socket 10 mm
- 1 spline socket M16
- 1 sliding T-bar, 200 mm
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4094	Tool Tray 1/3: Oil Pan Sockets / Oil Filter Chain Wrench 22 pcs.
4094-1	Tool Tray 1/3, empty for Item 4094

Tool Tray 1/3: Flare Nut Wrench and Special Socket | 10 mm (3/8") | 13 pcs.

- 6 open end ring spanners, satin chrome plated: 8 x 10 - 9 x 11 - 12 x 13 - 14 x 15 - 16 x 18 - 17 x 19 mm
- 1 special flare nut wrench with reinforced hexagon ends, double cranked, length: 175 mm, satin chrome plated: 10 x 11 mm
- 6 special sockets, internal square 10 mm (3/8"), slotted: 10 mm (slot 7.4 mm) - 11 mm (slot 8.8 mm) - 12 mm (slot 9.1 mm) - 14 mm (slot 10.5 mm) - 17 mm (slot 13.3 mm) - 19 mm (slot 14.4 mm)
 - for the assembly of top and side wired temperature sensors, thermo switches and other components
 - also suitable for nuts and bolts on bent pipes
- surface finish: satin chrome plated
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4048	Tool Tray 1/3: Flare Nut Wrench and Special Socket 10 mm (3/8") 13 pcs.
4048-1	Tool Tray 1/3, empty for Item 4048

Tool Tray 1/3: Measuring Tool Set | 7 pcs.

- 1 digital vernier caliper with digital display, 150 mm, scale in mm/inch, reading 1/100 mm, zero reset in any position, metric/inch conversion, + / - display, incl. battery
- 1 precision feeler gauges, 20 blades, 100 mm long, 0.05 - 1.0 mm
- 1 contour gauge, pin type, length: 125 mm
- 1 measuring tape, 19 mm x 5 m, with locking function and belt clip, in accordance with EEC
- 1 scribe, 150 mm, carbide metal tip
- 1 digital tire depth gauge, 0 - 28 mm, measuring range up to 28 mm, mm / inch display, battery included
- 1 brake disc caliper, for measuring the brake disc thickness, tire tread depth etc., max. measuring depth: 60 mm, dimensions: 182 x 115 x 13 mm
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4031	Tool Tray 1/3: Measuring Tool Set 7 pcs.
4031-1	Tool Tray 1/3, empty for Item 4031

Tool Tray 1/3: Crowfoot Spanner and Flare Nut Wrench Set | 15 pcs.

- 2 ratchet wrenches, chrome vanadium steel, 10 + 11 mm, slotted 12-point rotating core for pipe fittings, non-slip handle
- 1 brake pipe wrench, 10 x 11 mm
 - ring ends with ratcheting function
 - both sides flexible
 - 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 sides of the nut and not its corners, therefore it works also on nuts with damaged corners
- 10 crowfoot spanners, satin chrome plated, internal square drive 10 mm (3/8"), 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm
- 1 drive adaptor, satin chrome plated, 10 mm (3/8") x 12.5 mm (1/2") drive
- 1 extension bar, satin chrome plated, 10 mm (3/8"), length: 150 mm
- surface finish: satin chrome plated
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4049	Tool Tray 1/3: Crowfoot Spanner and Flare Nut Wrench Set 15 pcs.
4049-1	Tool Tray 1/3, empty for Item 4049

Tool Tray 1/3: Stoning and Machinist's Hammer Set | 2 pcs.

- forged, black lacquered head
- fibreglass
- rubber coated handle
- stoning hammer, 1000 g
- machinist's hammer, 300 g
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4046	Tool Tray 1/3: Stoning and Machinist's Hammer Set 2 pcs.
4046-1	Tool Tray 1/3, empty for Item 4046



Tool Tray 1/3: Hammer and Chisel Set | 14 pcs.

- **hammer with interchangeable heads, Ø 35 mm**
 - 5 interchangeable heads, diameter approx. 35 mm, made from copper, aluminium, plastic, nylon, steel
 - overall length: 305 mm
 - hickory handle
- **machinist's hammer**
 - hickory handle
 - manufactured in accordance with DIN 1041
 - weight: 300 g
- **corner pin drive, chisel and punch set**
 - hardened hexagonal shaft
 - pin punches: 3-4-5-6-8 mm
 - 1 flat chisel 15mm
 - 1 cross-cut chisel 4mm
 - 1 center punch
 - length 150 mm
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4129	Tool Tray 1/3: Hammer and Chisel Set 14 pcs.
4129-1	Tool Tray 1/3, empty for Item 4129



Tool Tray 1/3: Tyre Repair Kit | 54 pcs.

- 50 tire radial inserts, length: 102 mm
- 1 mounting paste for tire radial inserts
- 1 stitch awl
- 1 inserts installing tool
- 1 safety cutter
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4124	Tool Tray 1/3: Tyre Repair Kit 54 pcs.
4124-1	Tool Tray 1/3, empty for Item 4124



Tool Tray 1/3: Handheld Lamp and Magnetic Lifter | 3 pcs.

- COB LED working light with the newest light strip technology for bright light
- adjustable in 9 positions by 180° magnetic feet
- 2 magnets on the back side
- 2 folding hooks
- LED type: 3 W COB LED brightness: 250 LM
- working time: approx. 2.5 hours, IP20 waterproofed
- battery: rechargeable Lithium 3.7 V / 2000 mAh
- magnetic lifter with LED, 600 mm, up to 1500 g, strong LED lamp on magnetic tip
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4032	Tool Tray 1/3: Handheld Lamp and Magnetic Lifter 3 pcs.
4032-1	Tool Tray 1/3, empty for Item 4032



Tool Tray 1/3: Hole Punch Set | 15 pcs.

- 13 interchangeable hole punches 5 - 6 - 8 - 10 - 11 - 13 - 16 - 19 - 22 - 25 - 28 - 32 - 35 mm
- 1 quick change punch holder with ergonomic handle design and spring-mounted centre punch, suitable for paper, plastic film and rubber, ideal for punching paper seals
- 1 machinist's hammer, 400 g, shock-resistant handle, protection metal sleeve, safety pin, round ring wedge, forged hammer head, made in accordance with DIN 1041
- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4041	Tool Tray 1/3: Hole Punch Set 15 pcs.
4041-1	Tool Tray 1/3, empty for Item 4041



Tool Tray 1/3: Knife and Shears Set | 6 pcs.

includes the following tools:

- 1 universal shears, 180 mm
- 1 electrician's scissors, 145 mm
 - heavy-duty stainless steel blades
 - 2 component handle with soft grips for comfort with spring and security lock
- one saw-type blade
- with wire stripping gap
- 1 folding knife, 145 mm
 - material: aluminium, anodised
 - for cutting carpet, cardboard, foils, etc.
 - locking mechanism for locking the knife in open state and unlocking mechanism at the back of the handle for folding the knife
 - blade locking mechanism with quick release function
- 1 safety cutter, heavy duty
 - safety auto retracting mechanism
 - metal guide
 - compartment for spare blades in handle
- 5 trapezoidal blades for safety cutter / folding knife, 12 mm
- 10 spare blades for Snap-off knives (not contained in tray) , 18 mm

- width: 189 mm
- height: 32 mm
- depth: 408 mm



Item #	Description
4096	Tool Tray 1/3: Knife and Shears Set 6 pcs.
4096-1	Tool Tray 1/3, empty for Item 4096

