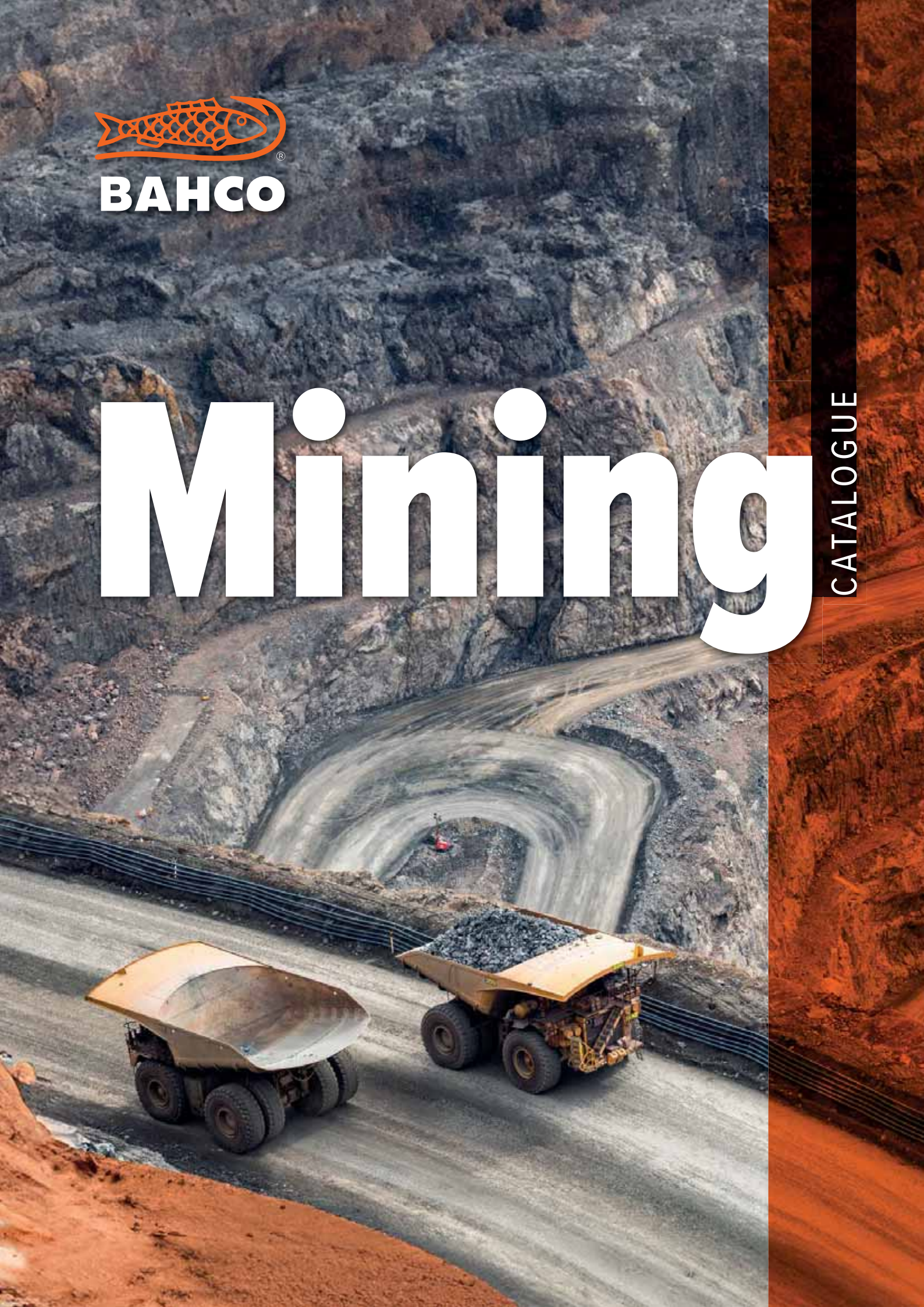
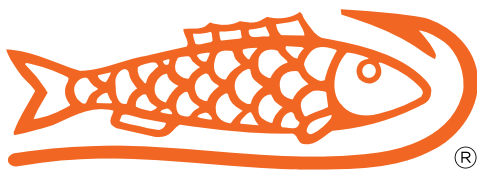




Mining

CATALOGUE





BAHCO

Bahco is a valued brand within the hand tools and solutions industry. We form part of SNA Europe and have a rich, **130-year history** marked by the design and manufacture of award-winning tools under our iconic “FISH & HOOK” logo.

Our vast portfolio comprises over **24,000 products**. We have 19 sales units and 11 manufacturing plants throughout Europe, as well as distribution centers located in Spain and the Netherlands.

Bahco tools are used in a wide array of industries, including mining, oil and gas, industry, MRO, aviation, food, power generation, building and construction, rail, pharmaceutical, medical, automotive, landscaping, and vineyards, demonstrating our versatility and dedication to providing market-leading solutions for professionals and enthusiasts alike.

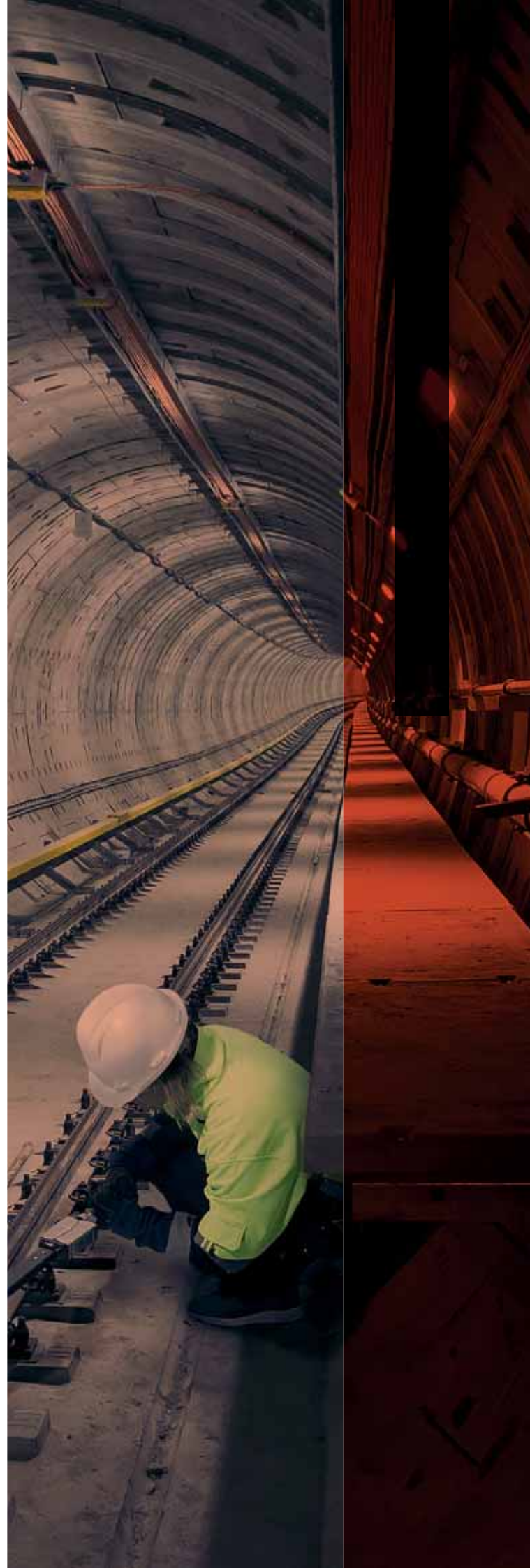
Mining CATALOGUE

At Bahco, we stand by our commitment to excellence and understand the dynamic demands of the mining industry. From the depths of underground operations to the reliable performance of large, well-maintained mining vehicles, efficiency, safety, and productivity drive every facet of the mining profession.

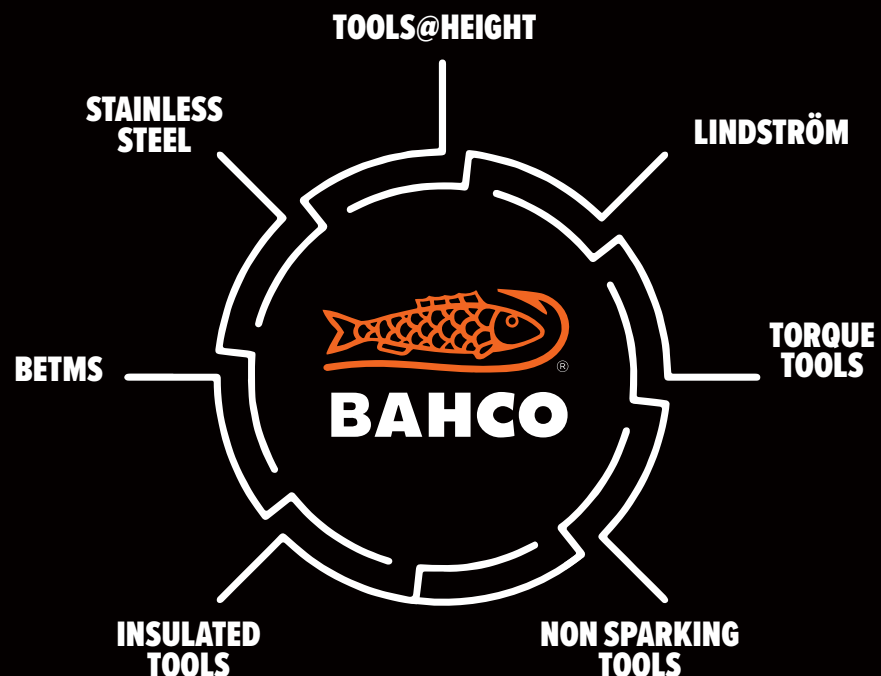
With decades of experience, Bahco hand tools are engineered to endure the rugged challenges of mining environments. Crafted with **precision**, **durability**, and **ergonomic efficiency**, they empower end-users to approach tasks with confidence and precision.

Inside this catalogue, you'll find our comprehensive catalogue of hand tools that have been tailored to cater to the diverse requirements of **mining professionals**. From wrenches to hammers, non-sparking to heavy-duty tools, each product is designed to deliver unwavering performance even in the most demanding conditions.

When it comes to equipment maintenance, repairs, or routine tasks in the mining industry, Bahco hand tools are the most reliable choice. We are committed to providing innovative solutions that streamline workflows, increase productivity, and contribute to the overall success of mining operations.



Dedicated SOLUTION



Bahco offers an extensive range of solutions designed to deliver exceptional performance and safety, even under the most challenging conditions.

Starting with bespoke tool storage and organisation solutions, Bahco's proprietary **BETMS** Configurator offers fully customised tool trolleys and portable storage solutions for enhanced efficiency and productivity. The industrial solution package includes **Lindström**, and **Torque Tools**, ensuring precision and reliability in a variety of applications.

Bahco's specialised **Tools @ Height** collection offers a series of hand tools featuring safety mechanisms, such as lanyards and springs,

which make working in elevated spaces and environments safer for hand tool users. This collection is designed for tasks that pose a higher risk workplace injury caused by dropped tools.

Bahco offers a wide range of durable **Stainless Steel** tools that are specifically engineered to withstand environments that demand corrosion resistance. In addition to this, Bahco also provides **Non-Sparking Tools** that are essential for environments where safety against sparks is of utmost importance.

This comprehensive range of tools and solutions makes Bahco the preferred choice for professionals facing the most critical tasks.

BETMS

CONFIGURATOR & STORAGE

Bahco offers a wide range of storage solutions, from tool trolleys to rigid cases, plastic boxes, metallic boxes, folders, belts and more. Many of these options include a comprehensive assortment of hand tools to match the storage solution and workplace or environment for which it has been designed.

Our tool storage specialists are available to advise and support companies and professionals in designing the best solution to meet their daily needs.

Bahco has also developed the cutting-edge BETMS Configurator (Bahco Ergo™ Tool Management System), a unique technology that can be harnessed to design bespoke tool storage solutions with infinite customisation options and accessories.

This comprehensive software allows us to design tailored solutions that meet specific needs dictated by the profession for which it is intended, thereby maximising productivity, efficiency and organisation.

**5,000
CUSTOMISED
STORAGE
SOLUTIONS IN THE
LAST 3 YEARS**

**MAXIMUM
CAPACITY FOR
2,000 TOOLS
IN OUR BAHCO
TROLLEYS**



Torque

TOOLS



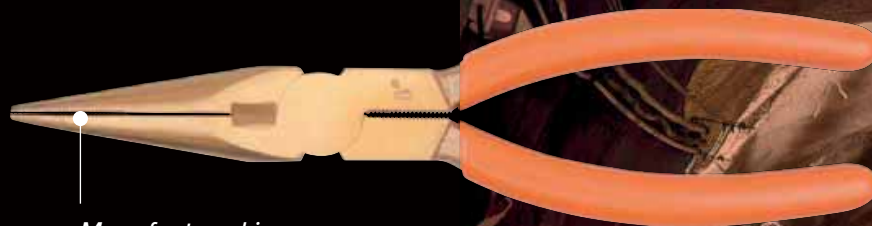
Bahco offers one of the most extensive selections of torque tools on the market, ensuring the durability, reliability, and precision necessary for turning and tightening fasteners to the correct specifications. This comprehensive range includes torque measuring wrenches, screwdrivers, and testers, with torque values spanning from 0.04 N·m to 2,500 N·m.



Non-Sparking TOOLS

Bahco's non-sparking (NS) tools have been designed for use in potentially explosive environments where "traditional" steel tools may create sparks.

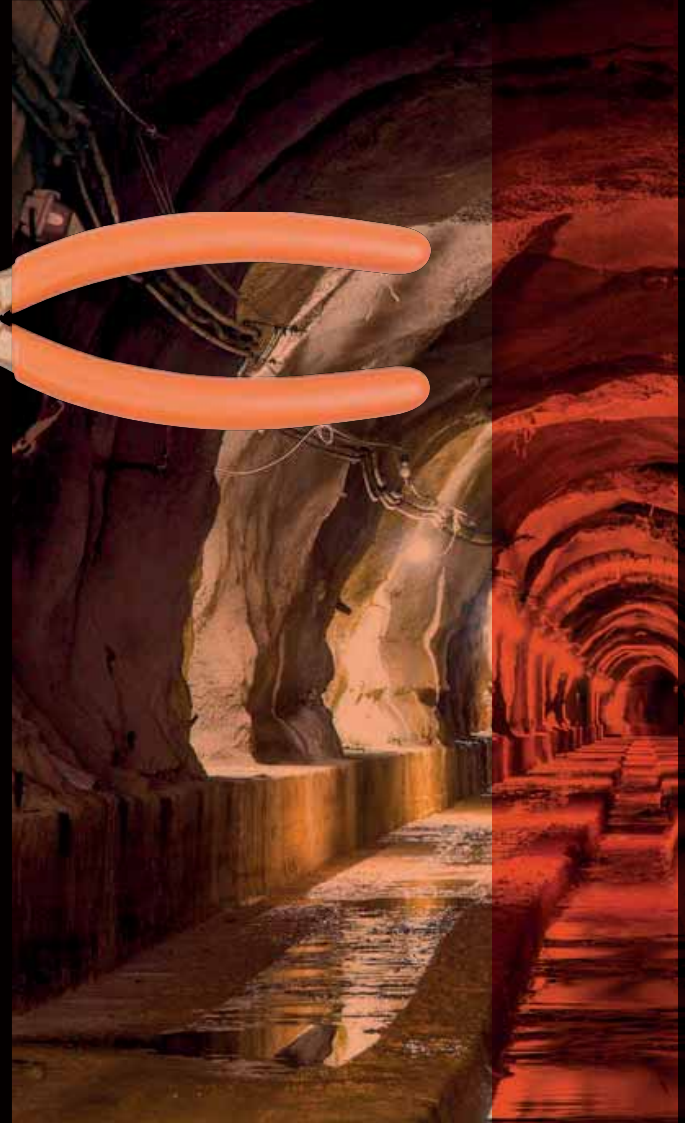
The potential risk of fire and explosion is caused by the presence of combustible or easily ignitable vapours, liquids or dust, common in petrochemical and mining industries, or similar. Using Bahco's non-sparking tools removes this risk, allowing work to continue safely and productively.

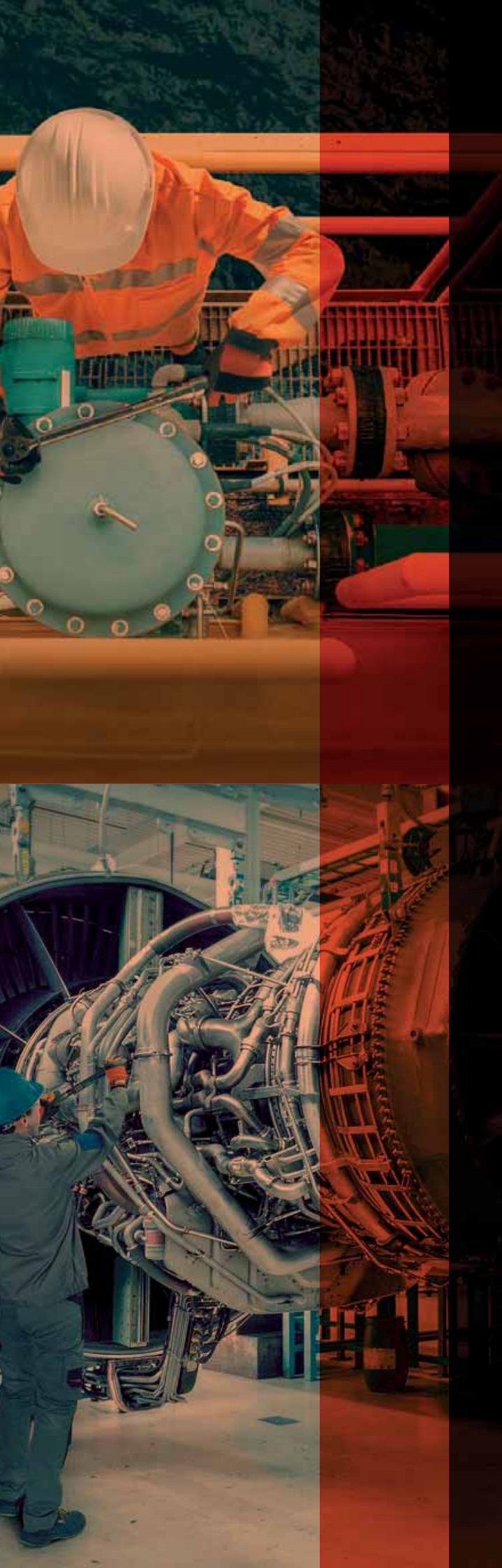


*Manufactured in
Aluminum-Bronze (Al-Br)*



*Manufactured in
Copper-Beryllium (Cu-Be)*





NON SPARKING TOOLS

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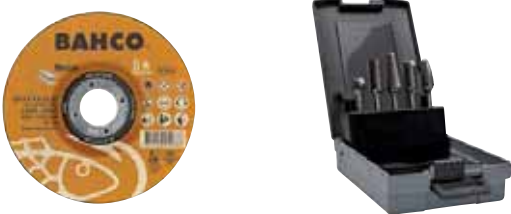
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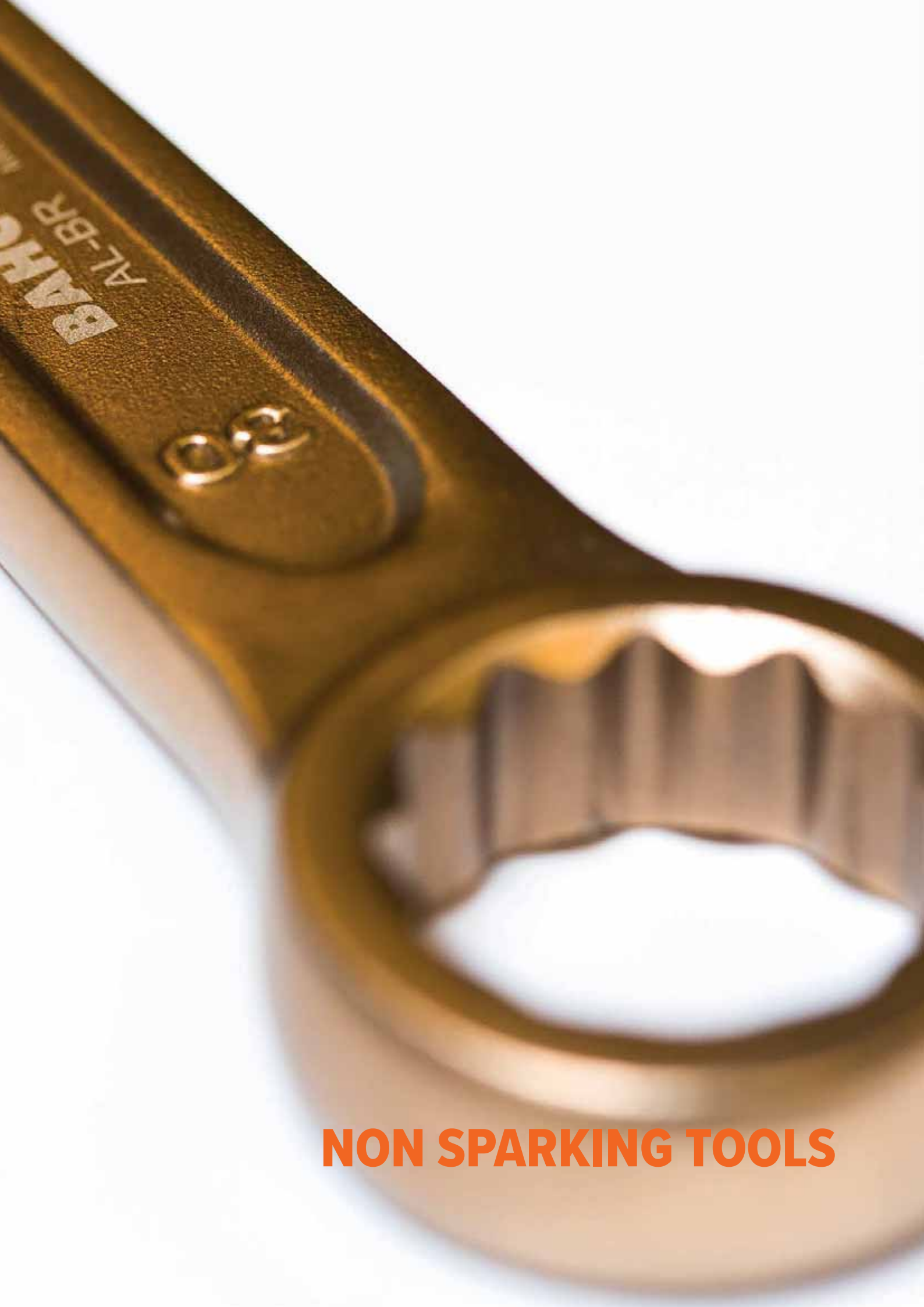
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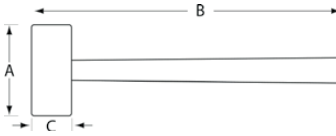
NON SPARKING TOOLS

NON SPARKING TOOLS

The range of Bahco Non Sparking tools has been designed for use in potentially explosive environments, where traditional steel tools may create sparks. The potential risk of fire and explosion is caused by the presence of combustible or easily ignitable vapours, liquids and dust common in the mining industry.

Please check the full assortment of wrenches, pipe wrenches, valve tools, sockets, ratchets, screwdrivers, hammers, pliers, prybars, chisels, scrapers, digging tools, extractors, torque tools etc.

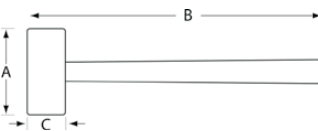


**NS500-FB****Non-Sparking Stoning Hammers with Aluminium Bronze Head and Fibreglass Handle**

- Made of aluminium bronze
- German-type
- Fibreglass two-component handle
- Fulfils product standard UNE 16590
- Non-sparking (NS) tools designed for use in potentially explosive environments, where 'traditional' steel tools may create spark
- Without sharp edges, avoiding any risk of sparks

			A	B	C		g
NS500-1000-FB	7314150296019	1	90 mm	400 mm	41 mm	1000 g	1300 g
NS500-1500-FB	7314150296026	1	119 mm	400 mm	43 mm	1500 g	1800 g
NS500-2000-FB	7314150284955	1	131 mm	400 mm	48 mm	2000 g	2300 g
NS500-2500-FB	7314150284962	1	142 mm	700 mm	52 mm	2500 g	3240 g
NS500-3000-FB	7314150284979	1	152 mm	700 mm	54 mm	3000 g	3820 g
NS500-3500-FB	7314150284986	1	167 mm	700 mm	56 mm	3500 g	4260 g

BAM/ZBF/002/21

NS502-FB**Non-Sparking Sledge Hammers with Aluminium Bronze Head and Fibreglass Handle**

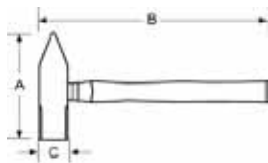
- Made of aluminium bronze
- Fibreglass two-component handle
- Fulfils product standard UNE 16590
- Non-sparking (NS) tools designed for use in potentially explosive environments, where 'traditional' steel tools may create spark
- Without sharp edges, avoiding any risk of sparks

			A	B	C		g
NS502-1000-FB	7314150284993	1	110 mm	365 mm	40 mm	1000 g	1250 g
NS502-10000-FB	7314150285068	1	239 mm	900 mm	82 mm	10000 g	10810 g
NS502-12000-FB	7314150318407	1	256 mm	900 mm	85 mm	12000 g	12860 g
NS502-1500-FB	7314150318438	1	133 mm	404 mm	44 mm	1500 g	1470 g
NS502-2000-FB	7314150285006	1	135 mm	400 mm	50 mm	2000 g	2300 g
NS502-2500-FB	7314150285013	1	155 mm	675 mm	52 mm	2500 g	3250 g
NS502-3000-FB	7314150285020	1	167 mm	680 mm	56 mm	3000 g	3740 g
NS502-450-FB	7314150296033	1	90 mm	310 mm	30 mm	450 g	610 g
NS502-4500-FB	7314150285037	1	187 mm	870 mm	64 mm	4500 g	5350 g
NS502-5000-FB	7314150285044	1	185 mm	850 mm	65 mm	5000 g	5910 g
NS502-6800-FB	7314150318445	1	205 mm	900 mm	88 mm	6800 g	7180 g
NS502-8000-FB	7314150285051	1	220 mm	900 mm	75 mm	8000 g	8910 g

BAM/ZBF/002/21



NON SPARKING HAMMERS



NS504-FB

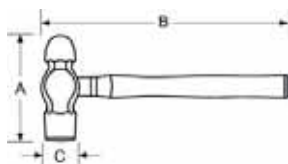
Non-Sparking Machinist's Hammers with Aluminium Bronze Head and Fibreglass Handle



- Made of aluminium bronze
- Fibreglass two-component handle
- Fulfils product standard DIN 1041
- Non-sparking (NS) tools designed for use in potentially explosive environments, where 'traditional' steel tools may create spark
- Without sharp edges, avoiding any risk of sparks

			A	B	C		
NS504-100-FB	7314150296040	1	67 mm	280 mm	16 mm	100 g	220 g
NS504-1000-FB	7314150285099	1	360 mm	960 mm	50 mm	1000 g	2170 g
NS504-1500-FB	7314150285105	1	160 mm	400 mm	40 mm	1500 g	1850 g
NS504-200-FB	7314150296057	1	85 mm	280 mm	22 mm	200 g	320 g
NS504-2000-FB	7314150285112	1	170 mm	395 mm	45 mm	2000 g	2270 g
NS504-300-FB	7314150296064	1	100 mm	280 mm	23 mm	300 g	420 g
NS504-500-FB	7314150285075	1	113 mm	310 mm	28 mm	500 g	700 g
NS504-800-FB	7314150285082	1	130 mm	340 mm	32 mm	800 g	1030 g

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NS506-FB

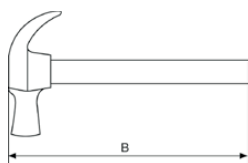
Non-Sparking Ball Pein Hammers with Aluminium Bronze Head and Fibreglass Handle



- Made of aluminium bronze
- Fibreglass two-component handle
- Fulfils product standard UNE 16589
- Non-sparking (NS) tools designed for use in potentially explosive environments, where 'traditional' steel tools may create spark
- Without sharp edges, avoiding any risk of sparks

			A	B	C		
NS506-300-FB	7314150318469	1	90 mm	285 mm	29 mm	310 g	430 g
NS506-450-FB	7314150318476	1	100 mm	318 mm	30 mm	470 g	590 g
NS506-700-FB	7314150285143	1	110 mm	340 mm	36 mm	700 g	880 g
NS506-900-FB	7314150285150	1	125 mm	365 mm	36 mm	910 g	1110 g

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NS508-FB

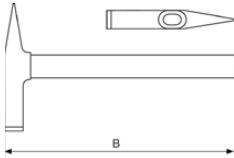
Non-Sparking Claw Hammers with Aluminium Bronze Head and Fibreglass Handle



- Made of aluminium bronze
- Claw hammer to strike or remove nails
- Fibreglass two-component handle
- Non-sparking (NS) tools designed for use in potentially explosive environments, where 'traditional' steel tools may create spark
- Without sharp edges, avoiding any risk of sparks

			B		
NS508-500-FB	7314150318544	1	300 mm	500 g	560 g
NS508-700-FB	7314150318537	1	335 mm	700 g	810 g

BAM/ZBF/002/21

**NS512-FB****Non-Sparking Chipping Hammers with Aluminium Bronze Head and Fibreglass Handle**

- Made of aluminium bronze
- With fibreglass two-component handle
- Without sharp edges, avoiding any risk of sparks
- Non-sparking (NS) tools designed for use in potentially explosive environments, where 'traditional' steel tools may create spark
- Precision casting

			B		g
NS512-200-FB	7314150318568	1	280 mm	230 g	310 g
NS512-400-FB	7314150318575	1	275 mm	400 g	510 g
NS512-600-FB	7314150318582	1	325 mm	640 g	840 g
NS512-900-FB	7314150318599	1	360 mm	970 g	1190 g

BAM/ZBF/002/21

NSB500-FB**Non-Sparking Stoning Hammers with Copper Beryllium Head and Fibreglass Handle**

- Made of copper beryllium
- German-type
- Fibreglass two-component handle
- Fulfils product standard UNE 16590
- Non-sparking (NS) tools designed for use in potentially explosive environments, where 'traditional' steel tools may create spark
- Without sharp edges, avoiding any risk of sparks
- Anti-magnetic and highly corrosion resistant

			A	B	C		g
NSB500-1000-FB	7314150324828	1	90 mm	360 mm	40 mm	1000 g	1300 g
NSB500-1500-FB	7314150324835	1	119 mm	400 mm	43 mm	1500 g	1800 g
NSB500-2000-FB	7314150324842	1	131 mm	400 mm	48 mm	2000 g	2300 g
NSB500-2500-FB	7314150324859	1	142 mm	700 mm	52 mm	2500 g	3200 g
NSB500-3000-FB	7314150324866	1	152 mm	700 mm	54 mm	3000 g	3700 g
NSB500-3500-FB	7314150324873	1	167 mm	700 mm	56 mm	3500 g	4230 g

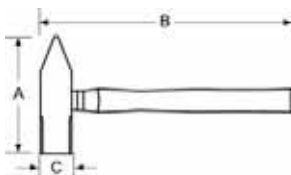
BAM/ZBF/003/21

NSB504-FB**Non-Sparking Machinist's Hammers with Copper Beryllium Head and Fibreglass Handle**

- Made of copper beryllium
- Fibreglass two-component handle
- Fulfils product standard DIN 1041
- Non-sparking (NS) tools designed for use in potentially explosive environments, where 'traditional' steel tools may create spark
- Without sharp edges, avoiding any risk of sparks
- Anti-magnetic and highly corrosion resistant

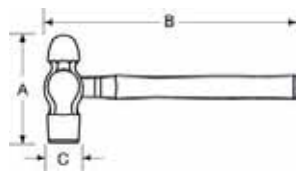
			A	B	C		g
NSB504-100-FB	7314150317004	1	65 mm	280 mm	16 mm	100 g	220 g
NSB504-200-FB	7314150317011	1	81 mm	280 mm	22 mm	200 g	360 g
NSB504-300-FB	7314150317028	1	100 mm	280 mm	23 mm	300 g	420 g
NSB504-500-FB	7314150317035	1	106 mm	310 mm	28 mm	500 g	710 g
NSB504-800-FB	7314150317042	1	130 mm	355 mm	33 mm	800 g	1080 g
NSB504-1000-FB	7314150317059	1	135 mm	355 mm	35 mm	1000 g	1260 g
NSB504-1500-FB	7314150317066	1	160 mm	400 mm	40 mm	1500 g	1850 g
NSB504-2000-FB	7314150317073	1	170 mm	400 mm	45 mm	2000 g	2455 g

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NON SPARKING HAMMERS



NSB506-FB

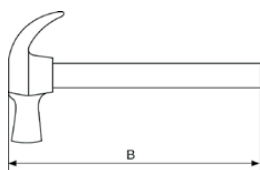
Non-Sparking Ball Pein Hammers with Copper Beryllium Head and Fibreglass Handle



- Made of copper beryllium
- Fibreglass two-component handle
- Fulfills product standard UNE 16589
- Non-sparking (NS) tools designed for use in potentially explosive environments, where 'traditional' steel tools may create spark
- Without sharp edges, avoiding any risk of sparks
- Anti-magnetic and highly corrosion resistant

			A	B	C		
NSB506-300-FB	7314150318490	1	90 mm	287 mm	25 mm	300 g	480 g
NSB506-450-FB	7314150318483	1	100 mm	313 mm	26 mm	450 g	620 g
NSB506-700-FB	7314150317080	1	116 mm	340 mm	34 mm	680 g	950 g
NSB506-900-FB	7314150317097	1	124 mm	365 mm	36 mm	900 g	1210 g

BAM/ZBF/003/21



NSB508-FB

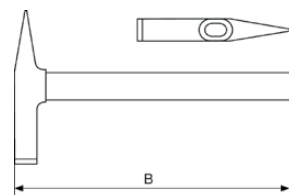
Non-Sparking Claw Hammers with Copper Beryllium Head and Fibreglass Handle



- Made of copper beryllium
- Claw hammer to strike or remove nails
- Fibreglass two-component handle
- Non-sparking (NS) tools designed for use in potentially explosive environments, where 'traditional' steel tools may create spark
- Claw hammer to strike or remove nails
- Without sharp edges, avoiding any risk of sparks
- Anti-magnetic and highly corrosion resistant

			B		
NSB508-500-FB	7314150318513	1	305 mm	500 g	610 g
NSB508-700-FB	7314150318520	1	335 mm	700 g	890 g

BAM/ZBF/003/21



NSB512-FB

Non-Sparking Chipping Hammers with Copper Beryllium Head and Fibreglass Handle



- Made of copper beryllium
- With fibreglass two-component handle
- Without sharp edges, avoiding any risk of sparks
- Anti-magnetic and highly corrosion resistant
- Non-sparking (NS) tools designed for use in potentially explosive environments, where 'traditional' steel tools may create spark
- Precision casting

			B		
NSB512-200-FB	7314150318643	1	280 mm	200 g	330 g
NSB512-400-FB	7314150318636	1	305 mm	400 g	630 g
NSB512-600-FB	7314150318629	1	325 mm	600 g	840 g
NSB512-900-FB	7314150318605	1	345 mm	900 g	1170 g

BAM/ZBF/003/21



NS104

Non-Sparking Metric Slogging Ring Wrenches Aluminium Bronze



- Made of aluminium bronze
- Slogging ring wrench used with a hammer to tighten large nuts and bolts
- Fulfills product standard DIN 7444
- Non-sparking (NS) tools designed for use in potentially explosive environments, where 'traditional' steel tools may create spark

				B	a	L	g
NS104-17	7314150294350	1	17 mm	32 mm	12 mm	145 mm	140 g
NS104-19	7314150294367	1	19 mm	32 mm	12 mm	145 mm	120 g
NS104-20	7314150294374	1	20 mm	38 mm	13 mm	155 mm	180 g
NS104-22	7314150294381	1	22 mm	38 mm	13 mm	155 mm	160 g
NS104-24	7314150284795	1	24 mm	42 mm	14 mm	165 mm	210 g
NS104-25	7314150294398	1	25 mm	42 mm	14 mm	165 mm	210 g
NS104-26	7314150294404	1	26 mm	46 mm	16 mm	175 mm	315 g
NS104-27	7314150284801	1	27 mm	46 mm	16 mm	175 mm	280 g
NS104-28	7314150294411	1	28 mm	46 mm	16 mm	175 mm	280 g
NS104-29	7314150294428	1	29 mm	50 mm	16 mm	185 mm	430 g
NS104-30	7314150284818	1	30 mm	50 mm	16 mm	185 mm	380 g
NS104-31	7314150294435	1	31 mm	53 mm	16 mm	185 mm	430 g
NS104-32	7314150284825	1	32 mm	53 mm	16 mm	185 mm	390 g
NS104-33	7314150294442	1	33 mm	55 mm	18 mm	200 mm	490 g
NS104-34	7314150294459	1	34 mm	55 mm	18 mm	200 mm	460 g
NS104-35	7314150294466	1	35 mm	58 mm	19 mm	205 mm	520 g
NS104-36	7314150284832	1	36 mm	58 mm	19 mm	205 mm	500 g
NS104-37	7314150294473	1	37 mm	61 mm	20 mm	215 mm	620 g
NS104-38	7314150294480	1	38 mm	61 mm	20 mm	215 mm	620 g
NS104-39	7314150294497	1	39 mm	61 mm	19 mm	215 mm	620 g
NS104-40	7314150294503	1	40 mm	64 mm	20 mm	225 mm	680 g
NS104-41	7314150284849	1	41 mm	64 mm	20 mm	225 mm	650 g
NS104-42	7314150294510	1	42 mm	64 mm	20 mm	225 mm	680 g
NS104-43	7314150294527	1	43 mm	64 mm	20 mm	225 mm	680 g
NS104-44	7314150294534	1	44 mm	73 mm	23 mm	235 mm	830 g
NS104-45	7314150294541	1	45 mm	73 mm	22 mm	235 mm	890 g
NS104-46	7314150284856	1	46 mm	73 mm	22 mm	235 mm	890 g
NS104-47	7314150294558	1	47 mm	73 mm	22 mm	235 mm	890 g
NS104-48	7314150294565	1	48 mm	78 mm	24 mm	250 mm	1060 g
NS104-49	7314150294572	1	49 mm	78 mm	23 mm	250 mm	1030 g
NS104-50	7314150284863	1	50 mm	78 mm	24 mm	250 mm	1030 g
NS104-51	7314150294589	1	51 mm	78 mm	23 mm	250 mm	1030 g
NS104-52	7314150294596	1	52 mm	78 mm	23 mm	250 mm	1030 g
NS104-53	7314150294602	1	53 mm	86 mm	24 mm	265 mm	1300 g
NS104-54	7314150294619	1	54 mm	86 mm	24 mm	265 mm	1300 g
NS104-55	7314150284870	1	55 mm	86 mm	24 mm	265 mm	1250 g
NS104-56	7314150294626	1	56 mm	86 mm	24 mm	265 mm	1300 g
NS104-57	7314150294633	1	57 mm	86 mm	24 mm	265 mm	1300 g
NS104-58	7314150294640	1	58 mm	92 mm	26 mm	274 mm	1450 g
NS104-59	7314150294657	1	59 mm	92 mm	26 mm	274 mm	1450 g
NS104-60	7314150284887	1	60 mm	93 mm	26 mm	274 mm	1480 g
NS104-61	7314150294664	1	61 mm	92 mm	26 mm	274 mm	1450 g
NS104-62	7314150294671	1	62 mm	92 mm	26 mm	274 mm	1450 g
NS104-63	7314150294688	1	63 mm	102 mm	30 mm	398 mm	1800 g
NS104-64	7314150294695	1	64 mm	102 mm	30 mm	298 mm	1800 g
NS104-65	7314150294701	1	65 mm	102 mm	30 mm	298 mm	1800 g
NS104-66	7314150294718	1	66 mm	102 mm	30 mm	298 mm	1800 g
NS104-67	7314150294725	1	67 mm	108 mm	32 mm	320 mm	2200 g
NS104-68	7314150294732	1	68 mm	108 mm	32 mm	320 mm	2200 g
NS104-69	7314150294749	1	69 mm	108 mm	32 mm	320 mm	2200 g
NS104-70	7314150284894	1	70 mm	108 mm	32 mm	320 mm	2300 g
NS104-71	7314150294756	1	71 mm	108 mm	32 mm	320 mm	2200 g
NS104-72	7314150294763	1	72 mm	108 mm	32 mm	320 mm	2200 g
NS104-73	7314150294770	1	73 mm	113 mm	33 mm	326 mm	2720 g

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NON SPARKING WRENCHES



NS104

... / ...

				B	a	L	g
NS104-74	7314150294787	1	74 mm	113 mm	33 mm	326 mm	2720 g
NS104-75	7314150284900	1	75 mm	113 mm	33 mm	326 mm	2540 g
NS104-76	7314150294794	1	76 mm	113 mm	33 mm	326 mm	2490 g
NS104-77	7314150294800	1	77 mm	113 mm	33 mm	326 mm	2720 g
NS104-78	7314150294817	1	78 mm	124 mm	34 mm	350 mm	3250 g
NS104-79	7314150294824	1	79 mm	124 mm	34 mm	350 mm	3250 g
NS104-80	7314150284917	1	80 mm	124 mm	35 mm	350 mm	3200 g
NS104-81	7314150294831	1	81 mm	124 mm	34 mm	350 mm	3250 g
NS104-82	7314150294848	1	82 mm	124 mm	35 mm	345 mm	3110 g
NS104-83	7314150294855	1	83 mm	130 mm	36 mm	355 mm	3915 g
NS104-84	7314150294862	1	84 mm	130 mm	36 mm	355 mm	3915 g
NS104-85	7314150284924	1	85 mm	130 mm	37 mm	350 mm	3420 g
NS104-86	7314150294879	1	86 mm	130 mm	36 mm	355 mm	3915 g
NS104-87	7314150294886	1	87 mm	130 mm	36 mm	355 mm	3915 g
NS104-88	7314150294893	1	88 mm	135 mm	39 mm	380 mm	4700 g
NS104-89	7314150294909	1	89 mm	135 mm	39 mm	380 mm	4700 g
NS104-90	7314150284931	1	90 mm	135 mm	39 mm	380 mm	4180 g
NS104-92	7314150294916	1	92 mm	135 mm	39 mm	380 mm	4700 g
NS104-94	7314150294923	1	94 mm	142 mm	39 mm	390 mm	4820 g
NS104-95	7314150284948	1	95 mm	142 mm	39 mm	390 mm	4300 g
NS104-98	7314150294930	1	98 mm	148 mm	43 mm	410 mm	6100 g
NS104-100	7314150294947	1	100 mm	148 mm	45 mm	410 mm	5280 g
NS104-105	7314150294954	1	105 mm	155 mm	43 mm	420 mm	5640 g
NS104-110	7314150294961	1	110 mm	162 mm	45 mm	445 mm	7150 g
NS104-115	7314150294978	1	115 mm	168 mm	45 mm	450 mm	8850 g
NS104-120	7314150294985	1	120 mm	182 mm	50 mm	480 mm	9380 g

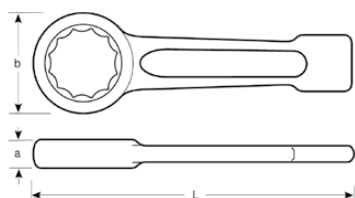
BAM/ZBF/002/21

NS106

Non-Sparking Imperial Slogging Ring Wrenches Aluminium Bronze



- Made of aluminium bronze
- Slogging ring wrench used with a hammer to tighten large nuts and bolts
- Fulfills product standard DIN 7444
- Non-sparking (NS) tools designed for use in potentially explosive environments, where 'traditional' steel tools may create spark



				B	a	L	g
NS106-20	7314150294992	1	5/8 in	32 mm	12 mm	145 mm	140 g
NS106-22	7314150295005	1	11/16 in	32 mm	12 mm	145 mm	190 g
NS106-24	7314150295012	1	3/4 in	32 mm	12 mm	145 mm	180 g
NS106-25	7314150295029	1	25/32 in	38 mm	13 mm	155 mm	190 g
NS106-26	7314150295036	1	13/16 in	38 mm	13 mm	155 mm	220 g
NS106-28	7314150295043	1	7/8 in	38 mm	13 mm	155 mm	220 g
NS106-30	7314150295050	1	15/16 in	42 mm	14 mm	165 mm	210 g
NS106-32	7314150295067	1	1 in	46 mm	16 mm	175 mm	315 g
NS106-34	7314150295074	1	1 1/16 in	46 mm	16 mm	175 mm	315 g
NS106-36	7314150295081	1	1 1/8 in	50 mm	16 mm	185 mm	410 g
NS106-38	7314150295098	1	1 3/16 in	50 mm	16 mm	185 mm	430 g
NS106-40	7314150295104	1	1 1/4 in	53 mm	16 mm	185 mm	390 g
NS106-42	7314150295111	1	1 5/16 in	55 mm	18 mm	200 mm	490 g
NS106-44	7314150295128	1	1 3/8 in	58 mm	19 mm	205 mm	500 g
NS106-45	7314150295135	1	1 13/32 in	58 mm	19 mm	205 mm	520 g
NS106-46	7314150295142	1	1 7/16 in	58 mm	19 mm	205 mm	520 g
NS106-48	7314150295159	1	1 1/2 in	61 mm	20 mm	215 mm	710 g
NS106-50	7314150295166	1	1 9/16 in	64 mm	20 mm	225 mm	680 g
NS106-52	7314150295173	1	1 5/8 in	64 mm	20 mm	225 mm	680 g
NS106-54	7314150295180	1	1 11/16 in	64 mm	20 mm	225 mm	680 g
NS106-56	7314150295197	1	1 3/4 in	73 mm	22 mm	235 mm	920 g
NS106-58	7314150295203	1	1 13/16 in	73 mm	22 mm	235 mm	890 g
NS106-60	7314150295210	1	1 7/8 in	73 mm	22 mm	235 mm	890 g

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NS106

.../...



				B	a	L	g
NS106-62	7314150295227	1	1 15/16 in	78 mm	24 mm	250 mm	1000 g
NS106-64	7314150295234	1	2 in	78 mm	23 mm	250 mm	1030 g
NS106-66	7314150295241	1	2 1/16 in	86 mm	24 mm	265 mm	1300 g
NS106-68	7314150295258	1	2 1/8 in	86 mm	24 mm	265 mm	1210 g
NS106-70	7314150295265	1	2 3/16 in	86 mm	24 mm	265 mm	1210 g
NS106-71	7314150295272	1	2 13/64 in	86 mm	24 mm	265 mm	1300 g
NS106-72	7314150295289	1	2 1/4 in	92 mm	26 mm	274 mm	1450 g
NS106-74	7314150295296	1	2 5/16 in	92 mm	26 mm	274 mm	1450 g
NS106-76	7314150295302	1	2 3/8 in	92 mm	26 mm	274 mm	1450 g
NS106-78	7314150295319	1	2 7/16 in	92 mm	26 mm	274 mm	1450 g
NS106-80	7314150295326	1	2 1/2 in	102 mm	30 mm	298 mm	1800 g
NS106-82	7314150295333	1	2 9/16 in	102 mm	30 mm	298 mm	1800 g
NS106-84	7314150295340	1	2 5/8 in	102 mm	30 mm	298 mm	1800 g
NS106-88	7314150295357	1	2 3/4 in	108 mm	32 mm	320 mm	2200 g
NS106-90	7314150295364	1	2 13/16 in	108 mm	32 mm	320 mm	2200 g
NS106-92	7314150295371	1	2 7/8 in	113 mm	33 mm	326 mm	2720 g
NS106-94	7314150295388	1	2 15/16 in	113 mm	33 mm	326 mm	2720 g
NS106-96	7314150295395	1	3 in	113 mm	33 mm	326 mm	2720 g
NS106-98	7314155295401	1	3 1/16 in	124 mm	34 mm	350 mm	3250 g
NS106-100	7314150295418	1	3 1/8 in	124 mm	34 mm	350 mm	3250 g
NS106-104	7314150295425	1	3 1/4 in	130 mm	36 mm	355 mm	3915 g
NS106-108	7314150295432	1	3 3/8 in	130 mm	36 mm	355 mm	3915 g
NS106-112	7314150295449	1	3 1/2 in	142 mm	39 mm	390 mm	4700 g
NS106-114	7314150295456	1	3 9/16 in	142 mm	39 mm	390 mm	4700 g
NS106-116	7314150295463	1	3 5/8 in	142 mm	39 mm	390 mm	4700 g
NS106-120	7314150295470	1	3 3/4 in	142 mm	39 mm	390 mm	4920 g
NS106-124	7314150295487	1	3 7/8 in	148 mm	43 mm	410 mm	6100 g
NS106-126	7314150295494	1	3 15/16 in	148 mm	43 mm	410 mm	6100 g
NS106-128	7314150295500	1	4 in	148 mm	43 mm	410 mm	6100 g
NS106-132	7314150295517	1	4 1/8 in	155 mm	43 mm	420 mm	6320 g
NS106-136	7314150295524	1	4 1/4 in	162 mm	45 mm	445 mm	8250 g
NS106-138	7314150295531	1	4 5/16 in	162 mm	45 mm	445 mm	8250 g
NS106-144	7314150295548	1	4 1/2 in	168 mm	45 mm	450 mm	8850 g
NS106-146	7314150295555	1	4 9/16 in	168 mm	45 mm	450 mm	8850 g
NS106-150	7314150295562	1	4 11/16 in	182 mm	50 mm	480 mm	9930 g
NS106-156	7314150295579	1	4 7/8 in	182 mm	50 mm	480 mm	9930 g
NS106-158	7314150295586	1	4 15/16 in	182 mm	50 mm	480 mm	9930 g

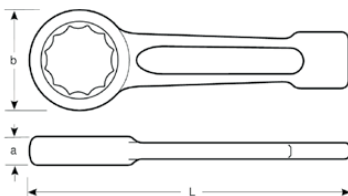
BAM/ZBF/002/21

NSB104

Non-Sparking Metric Slogging Ring Wrenches Copper Beryllium



- Made of copper beryllium
- For use with a hammer to tighten large nuts and bolts
- Fulfills product standard DIN 7444
- Non-sparking (NS) tools designed for use in potentially explosive environments, where 'traditional' steel tools may create spark
- Anti-magnetic and highly corrosion resistant



				a	B	L	g
NSB104-17	7314150323357	1	17 mm	12 mm	32 mm	145 mm	190 g
NSB104-19	7314150323364	1	19 mm	12 mm	32 mm	145 mm	180 g
NSB104-20	7314150323371	1	20 mm	13 mm	38 mm	155 mm	225 g
NSB104-22	7314150323388	1	22 mm	13 mm	38 mm	155 mm	210 g
NSB104-24	7314150316717	1	24 mm	15 mm	42 mm	165 mm	260 g
NSB104-25	7314150323395	1	25 mm	14 mm	42 mm	165 mm	210 g
NSB104-26	7314150323401	1	26 mm	16 mm	46 mm	175 mm	315 g
NSB104-27	7314150316724	1	27 mm	17 mm	46 mm	175 mm	360 g
NSB104-28	7314150323418	1	28 mm	16 mm	46 mm	175 mm	315 g
NSB104-29	7314150323425	1	29 mm	16 mm	50 mm	185 mm	430 g
NSB104-30	7314150316731	1	30 mm	16 mm	50 mm	185 mm	420 g
NSB104-31	7314150323432	1	31 mm	16 mm	53 mm	185 mm	430 g

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NON SPARKING WRENCHES



NSB104

... / ...

				a	B	L	
NSB104-32	7314150316748	1	32 mm	16 mm	53 mm	185 mm	460 g
NSB104-33	7314150323449	1	33 mm	17.5 mm	55 mm	200 mm	490 g
NSB104-34	7314150323456	1	34 mm	17.5 mm	55 mm	200 mm	490 g
NSB104-35	7314150323463	1	35 mm	19 mm	58 mm	205 mm	520 g
NSB104-36	7314150316755	1	36 mm	20 mm	58 mm	205 mm	600 g
NSB104-37	7314150323470	1	37 mm	19.5 mm	61 mm	215 mm	620 g
NSB104-38	7314150323487	1	38 mm	19.5 mm	61 mm	215 mm	620 g
NSB104-39	7314150323494	1	39 mm	19.5 mm	61 mm	215 mm	620 g
NSB104-40	7314150323500	1	40 mm	20 mm	64 mm	225 mm	680 g
NSB104-41	7314150316762	1	41 mm	21 mm	64 mm	225 mm	750 g
NSB104-42	7314150323517	1	42 mm	20 mm	64 mm	225 mm	680 g
NSB104-43	7314150323524	1	43 mm	20 mm	64 mm	225 mm	680 g
NSB104-44	7314150323531	1	44 mm	22 mm	73 mm	235 mm	890 g
NSB104-45	7314150323548	1	45 mm	22 mm	73 mm	235 mm	890 g
NSB104-46	7314150316779	1	46 mm	23 mm	73 mm	235 mm	930 g
NSB104-47	7314150323555	1	47 mm	22 mm	73 mm	235 mm	890 g
NSB104-48	7314150323562	1	48 mm	23 mm	78 mm	250 mm	1030 g
NSB104-49	7314150323579	1	49 mm	23 mm	78 mm	250 mm	1030 g
NSB104-50	7314150316786	1	50 mm	23 mm	78 mm	250 mm	1100 g
NSB104-51	7314150323586	1	51 mm	23 mm	78 mm	250 mm	1030 g
NSB104-52	7314150323593	1	52 mm	23 mm	78 mm	250 mm	1030 g
NSB104-53	7314150323609	1	53 mm	23.5 mm	86 mm	265 mm	1300 g
NSB104-54	7314150323616	1	54 mm	23.5 mm	86 mm	265 mm	1300 g
NSB104-55	7314150316793	1	55 mm	25 mm	86 mm	265 mm	1380 g
NSB104-56	7314150323623	1	56 mm	23.5 mm	86 mm	265 mm	1300 g
NSB104-57	7314150323630	1	57 mm	23.5 mm	86 mm	265 mm	1300 g
NSB104-58	7314150323647	1	58 mm	25.5 mm	92 mm	274 mm	1450 g
NSB104-59	7314150323654	1	59 mm	25.5 mm	92 mm	274 mm	1450 g
NSB104-60	7314150316809	1	60 mm	27 mm	92 mm	274 mm	1670 g
NSB104-61	7314150323661	1	61 mm	25.5 mm	92 mm	274 mm	1450 g
NSB104-62	7314150323678	1	62 mm	25.5 mm	92 mm	274 mm	1450 g
NSB104-63	7314150323685	1	63 mm	30 mm	102 mm	298 mm	1800 g
NSB104-64	7314150323692	1	64 mm	30 mm	102 mm	298 mm	1800 g
NSB104-65	7314150316816	1	65 mm	28 mm	102 mm	298 mm	2030 g
NSB104-66	7314150323708	1	66 mm	30 mm	102 mm	298 mm	1800 g
NSB104-67	7314150323715	1	67 mm	31.5 mm	108 mm	320 mm	2200 g
NSB104-68	7314150323722	1	68 mm	31.5 mm	108 mm	320 mm	2200 g
NSB104-69	7314150323739	1	69 mm	31.5 mm	108 mm	320 mm	2200 g
NSB104-70	7314150316823	1	70 mm	32 mm	108 mm	320 mm	2580 g
NSB104-71	7314150323746	1	71 mm	31.5 mm	108 mm	320 mm	2200 g
NSB104-72	7314150323753	1	72 mm	31.5 mm	108 mm	320 mm	2200 g
NSB104-73	7314150323760	1	73 mm	33 mm	113 mm	326 mm	2720 g
NSB104-74	7314150323777	1	74 mm	33 mm	113 mm	326 mm	2720 g
NSB104-75	7314150316830	1	75 mm	34 mm	113 mm	326 mm	2870 g
NSB104-76	7314150323784	1	76 mm	33 mm	113 mm	326 mm	2720 g
NSB104-77	7314150323791	1	77 mm	33 mm	113 mm	326 mm	2720 g
NSB104-78	7314150323807	1	78 mm	34 mm	124 mm	350 mm	3250 g
NSB104-79	7314150323814	1	79 mm	34 mm	124 mm	350 mm	3250 g
NSB104-80	7314150316847	1	80 mm	35 mm	124 mm	350 mm	3700 g
NSB104-81	7314150323821	1	81 mm	34 mm	124 mm	350 mm	3250 g
NSB104-82	7314150323838	1	82 mm	34 mm	124 mm	350 mm	3250 g
NSB104-83	7314150323845	1	83 mm	36 mm	130 mm	355 mm	3915 g
NSB104-84	7314150323852	1	84 mm	36 mm	130 mm	355 mm	3915 g
NSB104-85	7314150316854	1	85 mm	35 mm	130 mm	355 mm	3790 g
NSB104-86	7314150323869	1	86 mm	36 mm	130 mm	355 mm	3915 g
NSB104-87	7314150323876	1	87 mm	36 mm	130 mm	355 mm	3915 g
NSB104-88	7314150323883	1	88 mm	39 mm	135 mm	380 mm	4700 g
NSB104-89	7314150323890	1	89 mm	39 mm	135 mm	380 mm	4700 g
NSB104-90	7314150316861	1	90 mm	39 mm	135 mm	380 mm	4920 g
NSB104-92	7314150323906	1	92 mm	39 mm	135 mm	380 mm	4700 g
NSB104-94	7314150323913	1	94 mm	39 mm	142 mm	390 mm	4820 g
NSB104-95	7314150316878	1	95 mm	39 mm	142 mm	390 mm	5300 g
NSB104-98	7314150323920	1	98 mm	43 mm	148 mm	410 mm	6100 g
NSB104-100	7314150316885	1	100 mm	44 mm	149 mm	410 mm	6100 g
NSB104-105	7314150316892	1	105 mm	44 mm	156 mm	420 mm	6530 g
NSB104-110	7314150316908	1	110 mm	46 mm	162 mm	445 mm	8120 g
NSB104-115	7314150323937	1	115 mm	45 mm	168 mm	450 mm	8850 g
NSB104-120	7314150316915	1	120 mm	51 mm	182 mm	480 mm	10560 g

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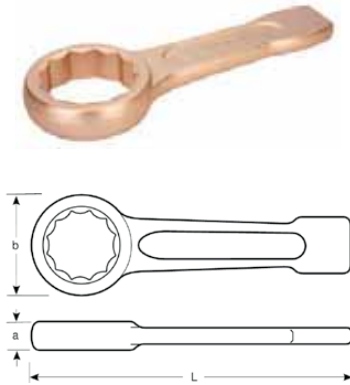


NSB106

Non-Sparking Imperial Slogging Ring Wrenches Copper Beryllium



- Made of copper beryllium
- For use with a hammer to tighten large nuts and bolts
- Fulfills product standard DIN 7444
- Non-sparking (NS) tools designed for use in potentially explosive environments, where 'traditional' steel tools may create spark
- Anti-magnetic and highly corrosion resistant



				A	B	L	
NSB106-20	7314150323944	1	5/8 in	12 mm	32 mm	145 mm	190 g
NSB106-22	7314150323951	1	11/16 in	12 mm	32 mm	145 mm	190 g
NSB106-24	7314150323968	1	3/4 in	12 mm	32 mm	145 mm	180 g
NSB106-25	7314150323975	1	25/32 in	13 mm	38 mm	155 mm	225 g
NSB106-26	7314150323982	1	13/16 in	13 mm	38 mm	155 mm	220 g
NSB106-28	7314150323999	1	7/8 in	13 mm	38 mm	155 mm	220 g
NSB106-30	7314150324002	1	15/16 in	14 mm	42 mm	165 mm	210 g
NSB106-32	7314150324019	1	1 in	16 mm	46 mm	175 mm	315 g
NSB106-34	7314150324026	1	1.1/16 in	16 mm	46 mm	175 mm	315 g
NSB106-36	7314150324033	1	1.1/8 in	16 mm	50 mm	185 mm	410 g
NSB106-38	7314150324040	1	1.3/16 in	16 mm	50 mm	185 mm	430 g
NSB106-40	7314150324057	1	1.1/4 in	16 mm	53 mm	185 mm	425 g
NSB106-42	7314150324064	1	1.5/16 in	17.5 mm	55 mm	200 mm	490 g
NSB106-44	7314150324071	1	1.3/8 in	19 mm	58 mm	205 mm	500 g
NSB106-45	7314150324088	1	1.13/32 in	19 mm	58 mm	205 mm	520 g
NSB106-46	7314150324095	1	1.7/16 in	19 mm	58 mm	205 mm	520 g
NSB106-48	7314150324101	1	1.1/2 in	19.5 mm	61 mm	215 mm	720 g
NSB106-50	7314150324118	1	1.9/16 in	20 mm	64 mm	225 mm	680 g
NSB106-52	7314150324125	1	1.5/8 in	20 mm	64 mm	225 mm	680 g
NSB106-54	7314150324132	1	1.11/16 in	20 mm	64 mm	225 mm	680 g
NSB106-56	7314150324149	1	1.3/4 in	22 mm	73 mm	235 mm	920 g
NSB106-58	7314150324156	1	1.13/16 in	22 mm	73 mm	235 mm	890 g
NSB106-60	7314150324163	1	1.7/8 in	22 mm	73 mm	235 mm	890 g
NSB106-62	7314150324170	1	1.15/16 in	23 mm	78 mm	250 mm	1030 g
NSB106-64	7314150324187	1	2 in	23 mm	78 mm	250 mm	1030 g
NSB106-66	7314150324194	1	2.1/16 in	23.5 mm	86 mm	265 mm	1300 g
NSB106-68	7314150324200	1	2.1/8 in	23.5 mm	86 mm	265 mm	1300 g
NSB106-70	7314150324217	1	2.3/16 in	23.5 mm	86 mm	265 mm	1300 g
NSB106-71	7314150324224	1	2.13/64 in	23.5 mm	86 mm	265 mm	1300 g
NSB106-72	7314150324231	1	2.1/4 in	25.5 mm	92 mm	274 mm	1450 g
NSB106-74	7314150324248	1	2.5/16 in	25.5 mm	92 mm	274 mm	1450 g
NSB106-76	7314150324255	1	2.3/8 in	25.5 mm	92 mm	274 mm	1450 g
NSB106-78	7314150324262	1	2.7/16 in	25.5 mm	92 mm	274 mm	1450 g
NSB106-80	7314150324279	1	2.1/2 in	30 mm	102 mm	298 mm	1800 g
NSB106-82	7314150324286	1	2.9/16 in	30 mm	102 mm	298 mm	1800 g
NSB106-84	7314150324293	1	2.5/8 in	30 mm	102 mm	298 mm	1800 g
NSB106-88	7314150324309	1	2.3/4 in	31.5 mm	108 mm	320 mm	2200 g
NSB106-90	7314150324316	1	2.13/16 in	31.5 mm	108 mm	320 mm	2200 g
NSB106-92	7314150324323	1	2.7/8 in	33 mm	113 mm	326 mm	2720 g
NSB106-94	7314150324330	1	2.15/16 in	33 mm	113 mm	326 mm	2720 g
NSB106-96	7314150324347	1	3 in	33 mm	113 mm	326 mm	2720 g
NSB106-98	7314150324354	1	3.1/16 in	34 mm	124 mm	350 mm	3250 g
NSB106-100	7314150324361	1	3.1/8 in	34 mm	124 mm	350 mm	3250 g
NSB106-104	7314150324378	1	3.1/4 in	36 mm	130 mm	355 mm	3915 g
NSB106-108	7314150324385	1	3.3/8 in	36 mm	130 mm	355 mm	3915 g
NSB106-112	7314150324392	1	3.1/2 in	39 mm	142 mm	390 mm	4700 g
NSB106-114	7314150324408	1	3.9/16 in	39 mm	142 mm	390 mm	4700 g
NSB106-116	7314150324415	1	3.5/8 in	39 mm	142 mm	390 mm	4700 g
NSB106-120	7314150324422	1	3.3/4 in	39 mm	142 mm	390 mm	4920 g
NSB106-124	7314150324439	1	3.7/8 in	43 mm	148 mm	410 mm	6100 g
NSB106-126	7314150324446	1	3.15/16 in	43 mm	148 mm	410 mm	6100 g
NSB106-128	7314150324453	1	4 in	43 mm	148 mm	410 mm	6100 g
NSB106-132	7314150324460	1	4.1/8 in	43 mm	155 mm	420 mm	6320 g
NSB106-136	7314150324477	1	4.1/4 in	45 mm	162 mm	445 mm	8250 g
NSB106-138	7314150324484	1	4.5/16 in	45 mm	162 mm	445 mm	8250 g
NSB106-144	7314150324491	1	4.1/2 in	45 mm	168 mm	450 mm	8850 g
NSB106-146	7314150324507	1	4.9/16 in	45 mm	168 mm	450 mm	8850 g
NSB106-150	7314150324514	1	4.11/16 in	50 mm	182 mm	480 mm	9930 g
NSB106-156	7314150324521	1	4.7/8 in	50 mm	182 mm	480 mm	9930 g
NSB106-158	7314150324538	1	4.15/16 in	50 mm	182 mm	480 mm	9930 g

BAM/ZBF/003/21



NON SPARKING WEDGES

NS600

Non-Sparking Wedges Aluminium Bronze



- Made of aluminium bronze
- Die-forged
- Used for lifting up and separating objects or holding them in place
- Non-sparking (NS) tools designed for use in potentially explosive environments, where 'traditional' steel tools may create spark



			L	B	H	
NS600-80-13	7314150296095	1	80 mm	13 mm	6 mm	30 g
NS600-100-50	7314150296101	1	100 mm	50 mm	10 mm	210 g
NS600-135-50	7314150296118	1	135 mm	50 mm	18 mm	480 g
NS600-150-25	7314150296125	1	150 mm	25 mm	8 mm	120 g
NS600-150-30	7314150301676	1	150 mm	25 mm	13 mm	180 g
NS600-150-40	7314150296132	1	150 mm	40 mm	8 mm	190 g
NS600-150-50	7314150296149	1	150 mm	50 mm	13 mm	400 g
NS600-180-13	7314150296156	1	180 mm	13 mm	6 mm	75 g
NS600-180-32	7314150285167	1	180 mm	32 mm	13 mm	340 g
NS600-180-50	7314150285174	1	180 mm	50 mm	19 mm	640 g
NS600-200-20	7314150296163	1	200 mm	20 mm	30 mm	470 g
NS600-200-30	7314150296170	1	200 mm	30 mm	30 mm	710 g
NS600-200-40	7314150296187	1	200 mm	40 mm	40 mm	1240 g
NS600-200-50	7314150301782	1	200 mm	50 mm	12 mm	510 g
NS600-230-40	7314150296194	1	230 mm	40 mm	20 mm	740 g
NS600-250-40	7314150296200	1	250 mm	40 mm	30 mm	1180 g
NS600-300-50	7314150296217	1	300 mm	50 mm	40 mm	2320 g

BAM/ZBF/002/21

NSB600

Non-Sparking Wedges Copper Beryllium

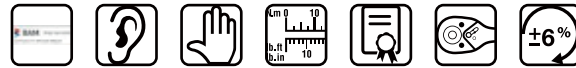
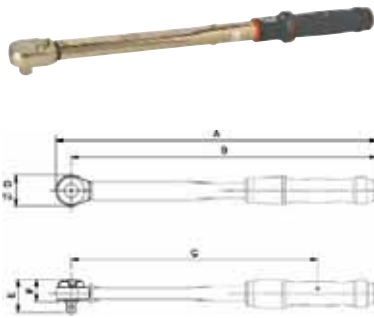


- Made of copper beryllium
- Non-sparking (NS) tools designed for use in potentially explosive environments, where 'traditional' steel tools may create spark
- Anti-magnetic and highly corrosion resistant
- Die-forged
- Used for lifting up and separating objects or holding them in place



			L	B	H	
NSB600-80-13	7314150317103	1	80 mm	13 mm	6 mm	30 g
NSB600-100-50	7314150317110	1	100 mm	50 mm	10 mm	185 g
NSB600-135-50	7314150317127	1	135 mm	50 mm	18 mm	455 g
NSB600-150-25	7314150317134	1	150 mm	25 mm	8 mm	185 g
NSB600-150-30	7314150317141	1	150 mm	25 mm	13 mm	112 g
NSB600-150-40	7314150317158	1	150 mm	40 mm	8 mm	180 g
NSB600-150-50	7314150317165	1	150 mm	50 mm	13 mm	440 g
NSB600-180-13	7314150317172	1	180 mm	13 mm	6 mm	75 g
NSB600-180-32	7314150317189	1	180 mm	32 mm	13 mm	280 g
NSB600-180-50	7314150317196	1	180 mm	50 mm	19 mm	790 g
NSB600-200-20	7314150317202	1	200 mm	20 mm	30 mm	451 g
NSB600-200-30	7314150317219	1	200 mm	30 mm	30 mm	675 g
NSB600-200-40	7314150317226	1	200 mm	40 mm	40 mm	1200 g
NSB600-200-50	7314150317233	1	200 mm	50 mm	12 mm	590 g
NSB600-230-40	7314150317240	1	230 mm	40 mm	20 mm	690 g
NSB600-250-40	7314150317257	1	250 mm	40 mm	30 mm	1125 g
NSB600-300-50	7314150317264	1	300 mm	50 mm	40 mm	2250 g

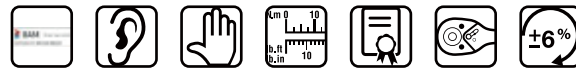
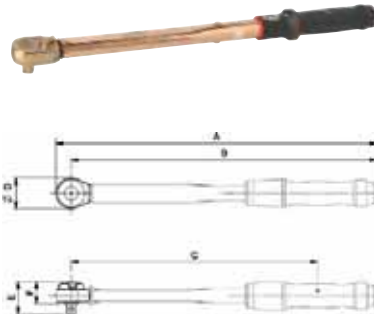
BAM/ZBF/003/21

**NS041****Non-Sparking Mechanical Adjustable Torque Click Wrenches with Window Scale and Fixed Ratchet Head in Aluminium Bronze**

- Made of aluminium bronze
- Large dual scale in N-m/ft.lb
- Reversible ratchet head allowing clockwise operation only
- Micrometer and main scale for adjustment
- Sturdy plastic handle with a nice positive lock which engages or disengages clearly
- Good positive audible engagement and the wrench always returns to home after each test
- Accurate to $\pm 6\%$ of reading
- Ratchet with 24-45 teeth and easy-change direction lever on top of the head
- Supplied with a declaration of conformity traceable to international standards
- All in individual rigid case for maximum protection and storage
- Non-sparking (NS) tools designed for use in potentially explosive environments, where conventional steel tools may produce sparks

						A	B	C	D	E	F	
NS041-8-25	7314150502646	1	5-25 N-m	3.75-18.75 lbf-ft	1/4"	290 mm	277 mm	214 mm	27 mm	14 mm	20,5 mm	0.41 kg
NS041-12-50	7314150502547	1	10-50 N-m	7.5-37.5 lbf-ft	3/8"	360 mm	340 mm	270 mm	40 mm	33 mm	22,5 mm	0.93 kg
NS041-16-100	7314150502561	1	20-100 N-m	15-75 lbf-ft	1/2"	405 mm	385 mm	315 mm	40 mm	37 mm	22 mm	1.03 kg
NS041-16-200	7314150502332	1	40-200 N-m	30-150 lbf-ft	1/2"	500 mm	480 mm	410 mm	40 mm	37 mm	22 mm	1.22 kg
NS041-16-260	7314150502585	1	60-260 N-m	45-195 lbf-ft	1/2"	595 mm	575 mm	505 mm	40 mm	37 mm	22 mm	1.42 kg
NS041-24-670	7314150502608	1	150-670 N-m	110-500 lbf-ft	3/4"	1150 mm	1139 mm	1069 mm	63 mm	56 mm	33,5 mm	5.62 kg
NS041-32-900	7314150502622	1	200-900 N-m	150-675 lbf-ft	1"	1245 mm	1234 mm	1164 mm	63 mm	61 mm	33,5 mm	7.13 kg

BAM/ZBF/002/21

NSB041**Non-Sparking Mechanical Adjustable Torque Click Wrenches with Window Scale and Fixed Ratchet Head in Copper Beryllium**

- Made of copper beryllium
- Large dual scale in N-m/ft.lb
- Reversible ratchet head allowing clockwise operation only
- Micrometer and main scale for adjustment
- Sturdy plastic handle with a nice positive lock which engages or disengages clearly
- Good positive audible engagement and the wrench always returns to home after each test
- Accurate to $\pm 6\%$ of reading
- Ratchet with 24-45 teeth and easy-change direction lever on top of the head
- Supplied with a declaration of conformity traceable to international standards
- All in individual rigid case for maximum protection and storage
- Non-sparking (NS) tools designed for use in potentially explosive environments, where conventional steel tools may produce sparks
- Non-magnetic and highly corrosion resistant

						A	B	C	D	E	F	
NSB041-8-25	7314150502769	1	5-25 N-m	3.75-18.75 lbf-ft	1/4"	290 mm	277 mm	214 mm	27 mm	14 mm	20,5 mm	0.42 kg
NSB041-12-50	7314150502660	1	10-50 N-m	7.5-37.5 lbf-ft	3/8"	360 mm	340 mm	270 mm	40 mm	33 mm	22,5 mm	0.96 kg
NSB041-16-100	7314150502684	1	20-100 N-m	15-75 lbf-ft	1/2"	405 mm	385 mm	315 mm	40 mm	37 mm	22 mm	1.07 kg
NSB041-16-200	7314150502318	1	40-200 N-m	30-150 lbf-ft	1/2"	500 mm	480 mm	410 mm	40 mm	37 mm	22 mm	1.28 kg
NSB041-16-260	7314150502707	1	60-260 N-m	45-195 lbf-ft	1/2"	595 mm	575 mm	505 mm	40 mm	37 mm	22 mm	1.5 kg
NSB041-24-670	7314150502721	1	150-670 N-m	110-500 lbf-ft	3/4"	1150 mm	1139 mm	1069 mm	63 mm	56 mm	33,5 mm	5.75 kg
NSB041-32-900	7314150502745	1	200-900 N-m	150-675 lbf-ft	1"	1245 mm	1234 mm	1164 mm	63 mm	61 mm	33,5 mm	7.25 kg

BAM/ZBF/003/21





IMPACT SOCKETS



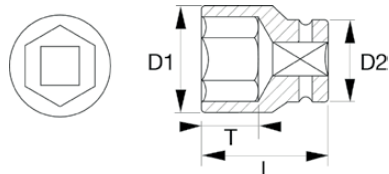
1/2" IMPACT SOCKETS

K7801M

1/2" Square Drive Impact Sockets with Metric Hex Profile and Phosphate Finish



- To be used with machines
- For maximum safety use clamping springs
- Phosphate finish
- High-performance alloy steel
- Dynamic-Drive™ Profile to protect nuts, screws and tools from unnecessary wear and damage
- Drive standard: DIN 3121-G 12.5 ISO 1174
- Standards: DIN 3129, ISO 2725



K7801M-8	7314151845230	1	8 mm	37 mm	15 mm	25 mm	6 mm	K560F-4	80 g
K7801M-9	7314151845247	1	9 mm	38 mm	16 mm	25 mm	6 mm	K560F-4	90 g
K7801M-10	7314151778576	1	10 mm	38 mm	17 mm	25 mm	6 mm	K560F-4	90 g
K7801M-11	7314151778651	1	11 mm	38 mm	18.5 mm	25 mm	8 mm	K560F-4	90 g
K7801M-12	7314151815790	1	12 mm	38 mm	19.5 mm	25 mm	8 mm	K560F-4	90 g
K7801M-13	7314151778736	1	13 mm	38 mm	21 mm	25 mm	8 mm	K560F-4	95 g
K7801M-14	7314151778811	1	14 mm	38 mm	22.5 mm	25 mm	8 mm	K560F-4	100 g
K7801M-15	7314151815806	1	15 mm	38 mm	23 mm	30 mm	8 mm	K560F-5	130 g
K7801M-16	7314151779030	1	16 mm	38 mm	25 mm	30 mm	9 mm	K560F-5	130 g
K7801M-17	7314151779115	1	17 mm	38 mm	26 mm	30 mm	9 mm	K560F-5	130 g
K7801M-18	7314151779382	1	18 mm	38 mm	27.5 mm	30 mm	10 mm	K560F-5	130 g
K7801M-19	7314151779467	1	19 mm	38 mm	28.5 mm	30 mm	10 mm	K560F-5	150 g
K7801M-20	7314151844509	1	20 mm	38 mm	30 mm	30 mm	12 mm	K560F-5	130 g
K7801M-21	7314151779542	1	21 mm	38 mm	31 mm	30 mm	12 mm	K560F-5	165 g
K7801M-22	7314151779627	1	22 mm	38 mm	32.5 mm	30 mm	12 mm	K560F-5	170 g
K7801M-23	7314151844516	1	23 mm	38 mm	34 mm	30 mm	14 mm	K560F-5	150 g
K7801M-24	7314151779894	1	24 mm	38 mm	35 mm	30 mm	14 mm	K560F-5	150 g
K7801M-25	7314151844523	1	25 mm	40 mm	36 mm	30 mm	14 mm	K560F-5	185 g
K7801M-26	7314151844530	1	26 mm	45 mm	37.5 mm	30 mm	14 mm	K560F-5	190 g
K7801M-27	7314151779979	1	27 mm	45 mm	38.5 mm	30 mm	14 mm	K560F-5	200 g
K7801M-28	7314150430154	1	28 mm	47 mm	39 mm	30 mm	15 mm	K560F-5	205 g
K7801M-29	7314150430161	1	29 mm	47 mm	39 mm	30 mm	15 mm	K560F-5	210 g
K7801M-30	7314151811914	1	30 mm	50 mm	42 mm	30 mm	16 mm	K560F-5	230 g
K7801M-32	7314151825157	15	32 mm	50 mm	44 mm	38 mm	18 mm	K560F-5	245 g
K7801M-34	7314151844547	1	34 mm	50 mm	45 mm	38 mm	18 mm	K560F-6	260 g
K7801M-36	7314151844554	1	36 mm	50 mm	48 mm	38 mm	20 mm	K560F-6	330 g



**K7801Z****1/2" Square Drive Impact Sockets with Imperial Hex Profile and Phosphate Finish**

- To be used with machines
- For maximum safety use clamping springs
- Phosphate finish
- High-performance alloy steel
- Dynamic-Drive™ Profile to protect nuts, screws and tools from unnecessary wear and damage
- Drive standard: DIN 3121-G 12.5 ISO 1174
- Standards: DIN 3129, ISO 2725



	HEX			L	D1	D2	T	⌀	g
K7801Z-3/8	7314151822606	1	3/8 in	38 mm	17 mm	25 mm	12 mm	K560F-4	80 g
K7801Z-7/16	7314151844561	1	7/16 in	38 mm	18.5 mm	20 mm	12 mm	K560F-4	70 g
K7801Z-1/2	7314151822620	1	1/2 in	38 mm	20.5 mm	25 mm	12 mm	K560F-4	85 g
K7801Z-9/16	7314151822637	1	9/16 in	38 mm	22.5 mm	25 mm	12 mm	K560F-4	80 g
K7801Z-5/8	7314151844585	1	5/8 in	38 mm	25 mm	30 mm	12 mm	K560F-5	120 g
K7801Z-11/16	7314151844592	1	11/16 in	38 mm	26.5 mm	30 mm	13 mm	K560F-5	130 g
K7801Z-3/4	7314151822668	1	3/4 in	40 mm	29 mm	30 mm	13 mm	K560F-5	130 g
K7801Z-13/16	7314151844608	1	13/16 in	38 mm	30 mm	29 mm	13 mm	K560F-5	120 g
K7801Z-7/8	7314151844615	1	7/8 in	40 mm	33 mm	30 mm	13 mm	K560F-5	165 g
K7801Z-15/16	7314151844622	1	15/16 in	39 mm	35 mm	30 mm	13 mm	K560F-5	160 g
K7801Z-1	7314151844639	1	1 in	45 mm	36.5 mm	30 mm	14 mm	K560F-5	180 g
K7801Z-1.1/16	7314151844646	1	1 1/16 in	46 mm	39 mm	30 mm	16 mm	K560F-5	185 g
K7801Z-1.1/8	7314151844653	1	1 1/8 in	46 mm	41 mm	30 mm	16 mm	K560F-5	200 g
K7801Z-1.1/4	7314151844660	1	1 1/4 in	51 mm	44.2 mm	30 mm	18 mm	K560F-5	245 g
K7801Z-1.5/16	7314150137671	5	1 5/16 in	46 mm	44.8 mm	30 mm	20 mm	K560F-5	250 g
K7801Z-1.3/8	7314150137688	5	1 3/8 in	50 mm	47.8 mm	30 mm	26 mm	K560F-5	300 g
K7801Z-1.7/16	7314150137695	5	1 7/16 in	50 mm	49.8 mm	30 mm	26 mm	K560F-5	330 g
K7801Z-1.1/2	7314150137701	5	1 1/2 in	50 mm	51.8 mm	30 mm	26 mm	K560F-5	310 g

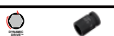
K7801Z/10**1/2" Square Drive Impact Socket Set with Imperial Hex Profile and Phosphate Finish - 10 Pcs**

- K7801Z/10 1/2" impact sockets 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"
- To be used with machines
- For maximum safety use clamping springs
- Phosphate finish
- High-performance alloy steel
- Ideal for impact use
- Dynamic-Drive™ Profile to protect nuts, screws and tools from unnecessary wear and damage
- In sheet metal box
- Drive standard: DIN 3121-G 12.5 ISO 1174
- Standards: DIN 3129, ISO 2725



	HEX						g
K7801Z/10	7314150165018	1	280 mm	220 mm	60 mm		1720 g

K7801Z-7/16, K7801Z-1/2, K7801Z-11/16, K7801Z-5/8, K7801Z-13/16, K7801Z-3/4, K7801Z-15/16, K7801Z-7/8, K7801Z-1, K7801Z-9/16





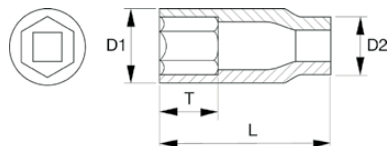
1/2" IMPACT SOCKETS

K7806M

1/2" Square Drive Deep Impact Sockets with Metric Hex Profile and Phosphate Finish



- To be used with machines
- For maximum safety use clamping springs
- Phosphate finish
- High-performance alloy steel
- Dynamic-Drive™ Profile to protect nuts, screws and tools from unnecessary wear and damage
- T = depth of female hexagon
- Drive standard: DIN 3121-G 12.5 ISO 1174



				L	D1	D2	T		
K7806M-10	7314151844677	1	10 mm	78 mm	17.5 mm	25 mm	7.6 mm	K560F-4	215 g
K7806M-11	7314151844684	1	11 mm	78 mm	18 mm	25 mm	8.6 mm	K560F-4	150 g
K7806M-12	7314151844691	1	12 mm	78 mm	19.3 mm	25 mm	9.4 mm	K560F-4	215 g
K7806M-13	7314151805944	1	13 mm	78 mm	20.9 mm	25 mm	10.2 mm	K560F-4	160 g
K7806M-14	7314151844707	1	14 mm	78 mm	22.3 mm	25 mm	10.7 mm	K560F-4	170 g
K7806M-15	7314150330683	1	15 mm	80 mm	24 mm	29 mm	11 mm	K560F-5	300 g
K7806M-16	7314151844714	1	16 mm	78 mm	24.4 mm	30 mm	12 mm	K560F-5	320 g
K7806M-17	7314151805951	1	17 mm	78 mm	25.2 mm	30 mm	12.7 mm	K560F-5	240 g
K7806M-18	7314151844721	1	18 mm	78 mm	26.8 mm	30 mm	12.7 mm	K560F-5	260 g
K7806M-19	7314151805968	1	19 mm	78 mm	28.5 mm	30 mm	14 mm	K560F-5	260 g
K7806M-21	7314151823597	1	21 mm	78 mm	31.4 mm	30 mm	14.2 mm	K560F-5	280 g
K7806M-22	7314151805975	1	22 mm	78 mm	32.7 mm	30 mm	14.2 mm	K560F-5	390 g
K7806M-23	7314151844738	1	23 mm	78 mm	34 mm	30 mm	16.3 mm	K560F-5	490 g
K7806M-24	7314151805982	1	24 mm	78 mm	34.9 mm	30 mm	16.3 mm	K560F-5	340 g
K7806M-27	7314151805999	1	27 mm	78 mm	38.9 mm	30 mm	20.3 mm	K560F-5	400 g
K7806M-30	7314151844578	1	30 mm	78 mm	42.8 mm	30 mm	25.1 mm	K560F-5	430 g
K7806M-32	7314150220304	1	32 mm	78 mm	44 mm	30 mm	22 mm	K560F-5	460 g
K7806M-36	7314150220311	1	36 mm	78 mm	50.5 mm	27 mm	23 mm	K560F-5	570 g

SB: Retail pack on a plastic info card

K7806M/S4

1/2" Square Drive Deep Impact Socket Set in Case with Metric Hex Profile and Phosphate Finish - 4 Pcs

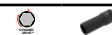


- K7806M 1/2" deep impact sockets 17, 19, 22 and 24 mm
- To be used with machines
- For maximum safety use clamping springs
- Phosphate finish
- High-performance alloy steel
- Dynamic-Drive™ Profile to protect nuts, screws and tools from unnecessary wear and damage
- Reinforced design, especially suited for wheel nuts
- In cardboard packaging
- Drive standard: DIN 3121-G 12.5 ISO 1174

K7806M/S4	7314151813222	1	195 mm	130 mm	43 mm	1140 g	43 x 130 x 195 mm	

K7806M-19, K7806M-22, K7806M-17, K7806M-24

4750IB-A5



**K7806Z****1/2" Square Drive Deep Impact Sockets with Imperial Hex Profile and Phosphate Finish**

- To be used with machines
- For maximum safety use clamping springs
- Phosphate finish
- High-performance alloy steel
- Dynamic-Drive™ Profile to protect nuts, screws and tools from unnecessary wear and damage
- T = depth of female hexagon
- Drive standard: DIN 3121-G 12.5 ISO 1174

				L	D1	D2	T		
K7806Z-3/8	7314150137725	10	3/8 in	78 mm	17 mm	25 mm	12 mm	K560F-4	160 g
K7806Z-7/16	7314150137732	5	7/16 in	78 mm	18.5 mm	25 mm	13 mm	K560F-4	160 g
K7806Z-1/2	7314150137749	10	1/2 in	78 mm	20.5 mm	25 mm	14 mm	K560F-4	180 g
K7806Z-9/16	7314150137756	10	9/16 in	78 mm	23 mm	25 mm	14 mm	K560F-4	180 g
K7806Z-5/8	7314150137763	5	5/8 in	78 mm	24.5 mm	30 mm	16 mm	K560F-5	220 g
K7806Z-11/16	7314150137770	5	11/16 in	78 mm	27 mm	30 mm	17 mm	K560F-5	220 g
K7806Z-3/4	7314150137787	5	3/4 in	78 mm	28 mm	30 mm	20 mm	K560F-5	225 g
K7806Z-13/16	7314150137794	5	13/16 in	78 mm	30 mm	30 mm	22 mm	K560F-5	250 g
K7806Z-7/8	7314150137800	5	7/8 in	78 mm	31.8 mm	30 mm	22 mm	K560F-5	320 g
K7806Z-15/16	7314150137718	5	15/16 in	78 mm	33.8 mm	30 mm	24 mm	K560F-5	310 g
K7806Z-1	7314150137817	5	1 in	80 mm	35.8 mm	30 mm	27 mm	K560F-5	330 g
K7806Z-1.1/16	7314150137824	5	1 1/16 in	78 mm	37.8 mm	30 mm	27 mm	K560F-5	410 g
K7806Z-1.1/8	7314150137831	5	1 1/8 in	78 mm	39.8 mm	30 mm	27 mm	K560F-5	410 g
K7806Z-1.1/4	7314150137848	5	1 1/4 in	78 mm	43.8 mm	30 mm	32 mm	K560F-5	430 g
K7806Z-1.5/16	7314150137855	5	1 5/16 in	78 mm	44.8 mm	30 mm	32 mm	K560F-5	430 g
K7806Z-1.3/8	7314150137862	5	1 3/8 in	78 mm	47.8 mm	30 mm	32 mm	K560F-5	480 g
K7806Z-1.7/16	7314150137879	5	1 7/16 in	78 mm	49.8 mm	30 mm	32 mm	K560F-5	570 g
K7806Z-1.1/2	7314150137886	5	1 1/2 in	78 mm	49.8 mm	30 mm	32 mm	K560F-5	570 g

SB: Retail pack on a plastic info card

K7806Z/10**1/2" Square Drive Deep Impact Socket Set with Imperial Hex Profile and Phosphate Finish - 10 Pcs**

- K7806Z/10 1/2" impact sockets 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16" and 1"
- To be used with machines
- For maximum safety use clamping springs
- Phosphate finish
- High-performance alloy steel
- Dynamic-Drive™ Profile to protect nuts, screws and tools from unnecessary wear and damage
- Drive standard: DIN 3121-G 12.5 ISO 1174
- In sheet metal box

K7806Z/10	7314150165025	1	280 mm	220 mm	60 mm		2870 g

K7806Z-7/16, K7806Z-1/2, K7806Z-9/16, K7806Z-3/4, K7806Z-13/16, K7806Z-11/16, K7806Z-1, K7806Z-7/8, K7806Z-15/16, K7806Z-5/8





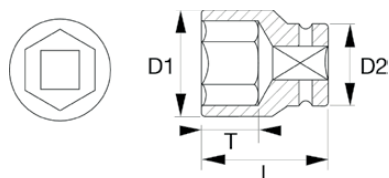
1/2" IMPACT SOCKETS

K7801VM

1/2" Square Drive Reinforced Impact Sockets with Metric Hex Profile and Phosphate Finish



- To be used with machines
- For maximum safety use clamping springs
- Phosphate finish
- High-performance alloy steel
- Dynamic-Drive™ Profile to protect nuts, screws and tools from unnecessary wear and damage
- Reinforced design, especially suited for wheel nuts
- T = depth of female hexagon
- Drive standard: DIN 3121-G 12.5 ISO 1174



				L	D1	D2	T		
K7801VM-17	7314151781521	1	17 mm	45 mm	30 mm	30 mm	15 mm	K560F-5	130 g
K7801VM-19	7314151781798	1	19 mm	45 mm	31 mm	30 mm	18 mm	K560F-5	170 g
K7801VM-22	7314151781873	1	22 mm	45 mm	36 mm	30 mm	18 mm	K560F-5	180 g
K7801VM-24	7314151781958	1	24 mm	45 mm	38 mm	30 mm	18 mm	K560F-5	215 g

K7801VM/S4

1/2" Square Drive Reinforced Impact Socket Set with Metric Hex Profile and Phosphate Finish - 4 Pcs



- K7801VM 1/2" impact sockets 17, 19, 22 and 24 mm
- To be used with machines
- For maximum safety use clamping springs
- Phosphate finish
- High-performance alloy steel
- Dynamic-Drive™ Profile to protect nuts, screws and tools from unnecessary wear and damage
- In sheet metal box
- Drive standard: DIN 3121-G 12.5 ISO 1174



K7801VM/S4	7314151799090	1							910 g

K7801VM-22, K7801VM-19, K7801VM-17, K7801VM-24



K7801TORX-E

1/2" Square Drive Impact Sockets with TORX® Head Profile and Phosphate Finish



- To be used with machines
- For maximum safety use clamping springs
- Phosphate finish
- High-performance alloy steel



				L	D1	D2	T			
K7801TORX-E10	7314151811587	1	E10	38 mm	13.5 mm	25 mm	7.5 mm	M 6+8	K560F-4	80 g
K7801TORX-E12	7314151811594	1	E12	38 mm	15.5 mm	25 mm	8.5 mm	M 8+10	K560F-4	80 g
K7801TORX-E14	7314151811600	1	E14	38 mm	17.5 mm	25 mm	10 mm	M 10+12	K560F-4	90 g
K7801TORX-E16	7314151811617	1	E16	38 mm	19.6 mm	25 mm	11 mm	**	K560F-4	85 g
K7801TORX-E18	7314151811624	1	E18	38 mm	21.7 mm	30 mm	12 mm	M 12+14	K560F-4	90 g
K7801TORX-E20	7314151811631	1	E20	38 mm	23.8 mm	30 mm	13.5 mm	M 14+16	K560F-4	140 g
K7801TORX-E24	7314151811648	1	E24	44 mm	28.3 mm	30 mm	18 mm	M 18+20	K560F-5	165 g

**D/****1/2" Square Drive Impact Socket Set with Metric Hex Profile and Phosphate Finish - 10 Pcs**

- Set of 1/2" impact socket
- To be used with machines
- For maximum safety use clamping springs
- Phosphate finish
- High-performance alloy steel
- Dynamic-Drive™ Profile to protect nuts, screws and tools from unnecessary wear and damage
- Removable 3-section plastic box, 1 piece in D/S14 and 2 pieces in D/S10
- Drive standard: DIN 3121-G 12.5 ISO 1174
- Standards: DIN 3129, ISO 2725

D/S10	7311518280307	6	280 mm	160 mm	70 mm	1595 g

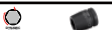
K7801M-10, K7801M-11, K7801M-12, K7801M-13, K7801M-14, K7801M-15, K7801M-16, K7801M-17, K7801M-18, K7801M-19

**D/S14****1/2" Square Drive Impact Socket Set with Metric Hex Profile and Phosphate Finish - 14 Pcs**

- K7081 1/2" impact sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24 and 27 mm
- To be used with machines
- For maximum safety use clamping springs
- Phosphate finish
- High-performance alloy steel
- Dynamic-Drive™ Profile to protect nuts, screws and tools from unnecessary wear and damage
- Drive standard: DIN 3121-G 12.5 ISO 1174
- Standards: DIN 3129, ISO 2725
- Removable 3-section plastic box

D/S14	7311518280314	6	280 mm	160 mm	70 mm	2155 g

K7801M-10, K7801M-11, K7801M-12, K7801M-13, K7801M-14, K7801M-15, K7801M-16, K7801M-17, K7801M-18, K7801M-19, K7801M-21, K7801M-22, K7801M-24, K7801M-27

**DD/****1/2" Square Drive Deep Impact Socket Set with Metric Hex Profile and Phosphate Finish - 10 Pcs**

- Set of 1/2" deep impact socket
- To be used with machines
- For maximum safety use clamping springs
- Phosphate finish
- High-performance alloy steel
- Dynamic-Drive™ Profile to protect nuts, screws and tools from unnecessary wear and damage
- Case with two-component handle
- Drive standard: DIN 3121-G 12.5 ISO 1174

DD/S10	7311518280321	6	280 mm	145 mm	65 mm	3000 g

K7806M-10, K7806M-11, K7806M-12, K7806M-13, K7806M-14, K7806M-15, K7806M-16, K7806M-17, K7806M-18, K7806M-19





1/2" IMPACT SOCKETS



DD/S14

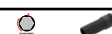
1/2" Square Drive Deep Impact Socket Set with Metric Hex Profile and Phosphate Finish - 14 Pcs



- K7806M 1/2" deep impact sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24 and 27 mm
- To be used with machines
- For maximum safety use clamping springs
- Phosphate finish
- High-performance alloy steel
- Dynamic-Drive™ Profile to protect nuts, screws and tools from unnecessary wear and damage
- Drive standard: DIN 3121-G 12.5 ISO 1174
- Case with two-component handle, 3-piece removable plastic box

DD/S14	7311518280338	4	375 mm	215 mm	100 mm	5085 g

K7806M-10, K7806M-11, K7806M-12, K7806M-13, K7806M-14, K7806M-15, K7806M-16, K7806M-17, K7806M-18, K7806M-19, K7806M-21, K7806M-22, K7806M-24, K7806M-27



D-DD/

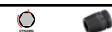
1/2" Square Drive Mixed Impact Socket Set with Metric Hex Profile and Phosphate Finish - 20 Pcs



- K7801M 1/2" impact Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18 and 19 mm
- K7806M 1/2" deep impact Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18 and 19 mm
- To be used with machines
- For maximum safety use clamping springs
- Phosphate finish
- High-performance alloy steel
- Dynamic-Drive™ Profile to protect nuts, screws and tools from unnecessary wear and damage
- High-density polythene case with two-component handle
- Drive standard: DIN 3121-G 12.5 ISO 1174
- Standards: DIN 3129, ISO 2725

D-DD/S20	7311518280345	4	375 mm	215 mm	100 mm	4765 g

K7801M-10, K7801M-11, K7801M-12, K7801M-13, K7801M-14, K7801M-15, K7801M-16, K7801M-17, K7801M-18, K7801M-19



K7806M-10, K7806M-11, K7806M-12, K7806M-13, K7806M-14, K7806M-16, K7806M-17, K7806M-18, K7806M-19



**K8901M****3/4" Square Drive Impact Sockets with Metric Hex Profile and Phosphate Finish**

- To be used with machines
- For maximum safety use clamping springs
- Phosphate finish
- High-performance alloy steel
- Dynamic-Drive™ Profile to protect nuts, screws and tools from unnecessary wear and damage
- Drive standard: DIN 3121-H 20, ISO 1174
- Standards: DIN 3129, ISO 2725

	HEX			L	D1	D2	T		g
K8901M-17	7314151803155	1	17 mm	51 mm	30 mm	44 mm	14 mm	K560F-6	365 g
K8901M-18	7314151844189	1	18 mm	51 mm	31 mm	44 mm	14 mm	K560F-6	330 g
K8901M-19	7314151803162	1	19 mm	51 mm	32.5 mm	44 mm	14 mm	K560F-6	365 g
K8901M-21	7314151803179	1	21 mm	51 mm	35 mm	44 mm	14 mm	K560F-6	350 g
K8901M-22	7314151803186	1	22 mm	51 mm	36 mm	44 mm	14 mm	K560F-6	360 g
K8901M-23	7314151803193	1	23 mm	51 mm	37.5 mm	44 mm	14 mm	K560F-6	375 g
K8901M-24	7314151803209	1	24 mm	51 mm	38.5 mm	44 mm	14 mm	K560F-6	380 g
K8901M-27	7314151803216	1	27 mm	53 mm	42.5 mm	44 mm	20 mm	K560F-6	395 g
K8901M-28	7314151803223	1	28 mm	53 mm	44 mm	44 mm	20 mm	K560F-6	390 g
K8901M-29	7314151803230	1	29 mm	53 mm	45 mm	44 mm	20 mm	K560F-6	410 g
K8901M-30	7314151803247	1	30 mm	53 mm	46 mm	44 mm	20 mm	K560F-6	400 g
K8901M-32	7314151803254	1	32 mm	57 mm	48.5 mm	44 mm	21 mm	K560F-6	425 g
K8901M-33	7314151803261	1	33 mm	57 mm	50 mm	44 mm	21 mm	K560F-6	470 g
K8901M-34	7314151803278	1	34 mm	57 mm	51 mm	44 mm	21 mm	K560F-6	520 g
K8901M-36	7314151803285	1	36 mm	57 mm	53.5 mm	44 mm	21 mm	K560F-6	540 g
K8901M-38	7314151803292	1	38 mm	57 mm	56 mm	44 mm	21 mm	K560F-6	520 g
K8901M-41	7314151803308	1	41 mm	58 mm	60 mm	44 mm	22 mm	K560F-6	600 g
K8901M-46	7314151803315	1	46 mm	62 mm	66 mm	44 mm	25 mm	K560F-6	690 g
K8901M-50	7314151846398	1	50 mm	68 mm	71 mm	44 mm	30 mm	K560F-7	900 g
K8901M-55	7314151846404	1	55 mm	72 mm	77.5 mm	54 mm	32 mm	K560F-7	750 g
K8901M-60	7314151846411	1	60 mm	72 mm	83.5 mm	54 mm	32 mm	K560F-7	1270 g

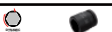
SB: Retail pack on a plastic info card

K8901M/8**3/4" Square Drive Impact Socket Set with Metric Hex Profile and Phosphate Finish - 8 Pcs**

- K8901M 3/4" impact sockets 21, 22, 24, 27, 30, 32, 36 and 41 mm
- To be used with machines
- For maximum safety use clamping springs
- Phosphate finish
- High-performance alloy steel
- Dynamic-Drive™ Profile to protect nuts, screws and tools from unnecessary wear and damage
- In sheet metal box
- Drive standard: DIN 3121-H 20, ISO 1174
- Standards: DIN 3129, ISO 2725

	HEX						g
K8901M/8	7314150165032	1	350 mm	240 mm	65 mm		7120 g

K8901M-27, K8901M-24, K8901M-21, K8901M-22, K8901M-30, K8901M-32, K8901M-36, K8901M-41





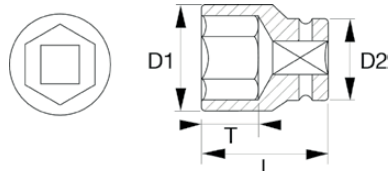
3/4" IMPACT SOCKETS

K8901Z

3/4" Square Drive Impact Sockets with Imperial Hex Profile and Phosphate Finish



- To be used with machines
- For maximum safety use clamping springs
- Phosphate finish
- High-performance alloy steel
- Dynamic-Drive™ Profile to protect nuts, screws and tools from unnecessary wear and damage
- Drive standard: DIN 3121-H 20, ISO 1174
- Standards: DIN 3129, ISO 2725



				L	D1	D2	T		
K8901Z-11/16	7314150130238	1	11/16 in	51 mm	29.5 mm	41.4 mm	51 mm	K560F-6	280 g
K8901Z-3/4	7314151844202	1	3/4 in	50 mm	33 mm	44 mm	51 mm	K560F-6	340 g
K8901Z-13/16	7314151844226	1	13/16 in	50 mm	35 mm	44 mm	51 mm	K560F-6	250 g
K8901Z-7/8	7314151844301	1	7/8 in	50 mm	37 mm	44 mm	51 mm	K560F-6	370 g
K8901Z-15/16	7314151844745	1	15/16 in	52 mm	36 mm	36 mm	51 mm	K560F-6	260 g
K8901Z-1	7314151844752	1	1 in	50 mm	41 mm	44 mm	53 mm	K560F-6	380 g
K8901Z-1 1/16	7314150130269	1	1 1/16 in	62 mm	64 mm	44 mm	62 mm	K560F-6	710 g
K8901Z-1 1/8	7314151844776	1	1 1/8 in	50 mm	45 mm	44 mm	53 mm	K560F-6	320 g
K8901Z-1 3/16	7314150130245	1	1 3/16 in	53 mm	46 mm	44 mm	53 mm	K560F-6	400 g
K8901Z-1 1/4	7314151844783	1	1 1/4 in	53 mm	49 mm	44 mm	57 mm	K560F-6	450 g
K8901Z-1 5/16	7314151844790	1	1 5/16 in	56 mm	50 mm	44 mm	57 mm	K560F-6	410 g
K8901Z-1 3/8	7314151844806	1	1 3/8 in	56 mm	53.5 mm	44 mm	57 mm	K560F-6	450 g
K8901Z-1 7/16	7314151844813	1	1 7/16 in	56 mm	48 mm	42 mm	57 mm	K560F-6	410 g
K8901Z-1 1/2	7314151844820	1	1 1/2 in	58 mm	55 mm	44 mm	57 mm	K560F-6	530 g
K8901Z-1 9/16	7314150130252	1	1 9/16 in	58 mm	58.5 mm	44 mm	58 mm	K560F-6	570 g
K8901Z-1 5/8	7314151844837	1	1 5/8 in	62 mm	58 mm	44 mm	58 mm	K560F-6	610 g
K8901Z-1 1/6	7314151844769	1	1 1/6 in	53 mm	43 mm	44 mm	53 mm	K560F-6	380 g
K8901Z-1 3/4	7314151844844	1	1 3/4 in	63 mm	65 mm	44 mm	62 mm	K560F-6	720 g
K8901Z-1 13/16	7314150130276	1	1 13/16 in	62 mm	66 mm	44 mm	62 mm	K560F-6	700 g
K8901Z-1 7/8	7314150130283	1	1 7/8 in	68 mm	68 mm	44 mm	68 mm	K560F-6	840 g
K8901Z-1 15/16	7314150130290	1	1 15/16 in	68 mm	70 mm	44 mm	68 mm	K560F-6	830 g
K8901Z-2	7314150130306	1	2 in	68 mm	71 mm	44 mm	68 mm	K560F-6	830 g
K8901Z-2 1/16	7314150130313	1	2 1/16 in	71 mm	73 mm	54 mm	68 mm	K560F-7	1020 g
K8901Z-2 3/16	7314150130337	1	2 3/16 in	71 mm	78 mm	54 mm	72 mm	K560F-7	1150 g
K8901Z-2 1/4	7314150130344	1	2 1/4 in	73 mm	80 mm	54 mm	72 mm	K560F-7	1230 g
K8901Z-2 3/8	7314150130351	1	2 3/8 in	100 mm	93 mm	80 mm	72 mm	K560F-7	3160 g

SB: Retail pack on a plastic info card

K8901Z/18

3/4" Square Drive Impact Socket Set with Imperial Hex Profile and Phosphate Finish - 18 Pcs

- Contents: 3/4" impact sockets, in inches, 18 pcs K8901Z series
- DIN 3129, ISO 2725
- 3/4" DIN 3121-H 20, ISO 1174
- Finish: black finish
- Material: high performance alloy steel
- For use with machines
- For maximum safety, use clamping springs
- In metal box
- Components: 11/16", 3/4", 13/16", 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", 1-9/16", 1-5/8", 1-11/16" and 1-3/4"

K8901Z/18	7314150436514	1	18	595 mm	210 mm	100 mm

K8901Z-11/16, K8901Z-3/4, K8901Z-13/16, K8901Z-7/8, K8901Z-15/16, K8901Z-1, K8901Z-1.1/16, K8901Z-1.1/8, K8901Z-1.3/16, K8901Z-1.1/4, K8901Z-1.5/16, K8901Z-1.3/8, K8901Z-1.7/16, K8901Z-1.1/2, K8901Z-1.9/16, K8901Z-1.5/8, K8901Z-1.11/16, K8901Z-1.3/4





K8901Z/8

3/4" Square Drive Impact Socket Set with Imperial Hex Profile and Phosphate Finish - 8 Pcs



- K8901Z 3/4" impact sockets 1", 1-1/16", 1-1/8", 1-1/4", 1-5/16", 1-3/8", 1-7/16" and 1-1/2"
- For maximum safety use clamping springs
- Phosphate finish
- High-performance alloy steel
- Dynamic-Drive™ Profile to protect nuts, screws and tools from unnecessary wear and damage
- In sheet metal box
- Drive standard: DIN 3121-H 20, ISO 1174
- Standards: DIN 3129, ISO 2725

K8901Z/8	7314150165049	1	310 mm	250 mm	80 mm	4040 g

K8901Z-1.1/16, K8901Z-1, K8901Z-1.3/8, K8901Z-1.5/16, K8901Z-1.1/4, K8901Z-1.1/2, K8901Z-1.7/16, K8901Z-1.1/8

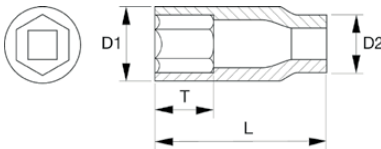


K8906M

3/4" Square Drive Deep Impact Sockets with Metric Hex Profile and Phosphate Finish



- To be used with machines
- For maximum safety use clamping springs
- Phosphate finish
- High-performance alloy steel
- Dynamic-Drive™ Profile to protect nuts, screws and tools from unnecessary wear and damage
- T = depth of female hexagon
- Drive standard: DIN 3121-H 20, ISO 1174
- Standards: DIN 3129, ISO 2725



K8906M-17	7314151803056	1	17 mm	100 mm	30 mm	44 mm	13 mm	K560F-6	910 g
K8906M-19	7314151803063	1	19 mm	95 mm	32.5 mm	44 mm	14 mm	K560F-6	580 g
K8906M-21	7314151844851	1	21 mm	100 mm	36.5 mm	44 mm	14 mm	K560F-6	845 g
K8906M-22	7314151803070	1	22 mm	95 mm	35 mm	42 mm	16 mm	K560F-6	640 g
K8906M-24	7314151803087	1	24 mm	100 mm	39 mm	44 mm	16 mm	K560F-6	700 g
K8906M-27	7314151803094	1	27 mm	100 mm	43 mm	44 mm	18 mm	K560F-6	750 g
K8906M-30	7314151803117	1	30 mm	100 mm	46 mm	44 mm	19 mm	K560F-6	770 g
K8906M-32	7314151803124	1	32 mm	95 mm	49 mm	44 mm	22 mm	K560F-6	825 g
K8906M-33	7314151844868	1	33 mm	95 mm	50.8 mm	44 mm	22 mm	K560F-6	890 g
K8906M-34	7314151844875	1	34 mm	95 mm	50.8 mm	42 mm	22 mm	K560F-6	890 g
K8906M-36	7314151803148	1	36 mm	95 mm	54 mm	44 mm	22 mm	K560F-6	930 g
K8906M-41	7314151845254	1	41 mm	95 mm	60.5 mm	44 mm	24 mm	K560F-6	1100 g
K8906M-42	7314150512607	1	42 mm	95 mm	60.5 mm	44 mm	24 mm	K560F-6	1150 g
K8906M-46	7314150220601	1	46 mm	95.2 mm	67 mm	44 mm	22.4 mm	K560F-6	1310 g

SB: Retail pack on a plastic info card



3/4" IMPACT SOCKETS



K8906M/8

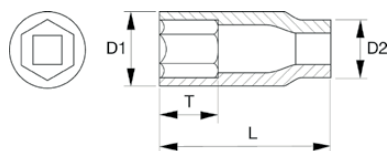
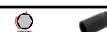
3/4" Square Drive Deep Impact Socket Set with Metric Hex Profile and Phosphate Finish - 8 Pcs



- K8906M 3/4" deep impact sockets 21, 22, 24, 27, 30, 32, 36 and 41 mm
- To be used with machines
- For maximum safety use clamping springs
- Phosphate finish
- High-performance alloy steel
- Dynamic-Drive™ Profile to protect nuts, screws and tools from unnecessary wear and damage
- In sheet metal box
- Drive standard: DIN 3121-H 20, ISO 1174

						
K8906M/8	7314150165056	1	315 mm	250 mm	80 mm	4130 g

K8906M-24, K8906M-27, K8906M-30, K8906M-41, K8906M-36, K8906M-21, K8906M-22, K8906M-32



K8906Z

3/4" Square Drive Deep Impact Sockets with Imperial Hex Profile and Phosphate Finish



- To be used with machines
- For maximum safety use clamping springs
- Phosphate finish
- High-performance alloy steel
- Dynamic-Drive™ Profile to protect nuts, screws and tools from unnecessary wear and damage
- T = depth of female hexagon
- Drive standard: DIN 3121-H 20, ISO 1174
- Standards: DIN 3129, ISO 2725

									
K8906Z-3/4	7314150130399	1	3/4 in	90 mm	32 mm	41.4 mm	26 mm	K560F-6	480 g
K8906Z-13/16	7314150130405	1	13/16 in	90 mm	35 mm	41.4 mm	26 mm	K560F-6	510 g
K8906Z-7/8	7314150130412	1	7/8 in	90 mm	36 mm	41.4 mm	26 mm	K560F-6	550 g
K8906Z-15/16	7314150130429	1	15/16 in	90 mm	38.5 mm	41.4 mm	26 mm	K560F-6	580 g
K8906Z-1	7314150130436	1	1 mm	90 mm	40 mm	41.4 mm	26 mm	K560F-6	590 g
K8906Z-1.1/16	7314150130443	1	1 1/16 in	90 mm	42.5 mm	44 mm	28 mm	K560F-6	630 g
K8906Z-1.1/8	7314150130450	1	1 1/8 in	90 mm	44 mm	44 mm	28 mm	K560F-6	650 g
K8906Z-1.1/4	7314150130474	1	1 1/4 in	90 mm	48.5 mm	44 mm	28 mm	K560F-6	740 g
K8906Z-1.5/16	7314150130481	1	1.5/16 in	90 mm	50 mm	44 mm	30 mm	K560F-6	760 g
K8906Z-1.3/8	7314150130498	1	1.3/8 in	90 mm	52.5 mm	44 mm	30 mm	K560F-6	840 g
K8906Z-1.7/16	7314150130504	1	1.7/16 in	90 mm	53.5 mm	44 mm	30 mm	K560F-6	850 g
K8906Z-1.1/2	7314150130511	1	1 1/2 in	90 mm	56 mm	44 mm	34 mm	K560F-6	880 g
K8906Z-1.5/8	7314150130535	1	1.5/8 in	90 mm	60 mm	44 mm	34 mm	K560F-6	950 g
K8906Z-1.3/4	7314150130559	1	1.3/4 in	90 mm	64.5 mm	44 mm	34 mm	K560F-6	1040 g
K8906Z-2	7314150130580	1	2 mm	90 mm	71 mm	44 mm	36 mm	K560F-6	1240 g

SB: Retail pack on a plastic info card



K8906Z/8

3/4" Square Drive Deep Impact Socket Set with Imperial Hex Profile and Phosphate Finish - 8 Pcs



- K8906Z 3/4" deep impact sockets 1", 1-1/16", 1-1/8", 1-1/4", 1-5/16", 1-3/8", 1-7/16" and 1-1/2"
- To be used with machines
- For maximum safety use clamping springs
- Phosphate finish
- High-performance alloy steel
- Dynamic-Drive™ Profile to protect nuts, screws and tools from unnecessary wear and damage
- In sheet metal box
- Drive standard: DIN 3121-H 20, ISO 1174

Icon	Part Number	Quantity	110 mm	250 mm	125 mm	Weight
	K8906Z/8	7314150165063	1	110 mm	250 mm	125 mm
						7360 g

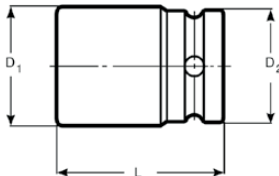
K8906Z-1, K8906Z-1.1/16, K8906Z-1.1/8, K8906Z-1.1/4, K8906Z-1.5/16, K8906Z-1.3/8, K8906Z-1.7/16, K8906Z-1.1/2



BHVIS08

3/4" heavy vehicle impact sockets Scania, Volvo

- Special heavy duty impact sockets
- Suitable for the majority of Scania (BHVIS0895, BHVIS08100) and Volvo (BHVIS08115) truck wheels
- Rear BHVIS08100
- Front BHVIS0895
- Drive: 3/4"
- Black phosphate finish
- High performance alloy steel

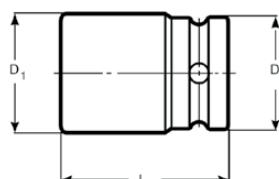


						D1	D2	L		
BHVIS0895	7314150165704	1	3/4 in		95 mm	118 mm	55 mm	81 mm		2.26 kg
BHVIS08100	7314150165711	1	3/4 in		100 mm	123 mm	60 mm	84 mm		2.72 kg
BHVIS08115	7314150165728	1	3/4 in		115 mm	138 mm	55 mm	81 mm		2.75 kg
BHVIS109BPW12	7314150165759	1		41 mm	109 mm	129 mm	41 mm	94 mm	12 to	2.48 kg
BHVIS120BPW16	7314150165742	1		41 mm	120 mm	143 mm	41 mm	94 mm	12 to	2.99 kg

BHVISxxBPW

Impact sockets BPW

- Special impact sockets for BPW axles
- Specially shaped outlet
- Features different sizes per axle capacity
- Drive: 3/4"
- Black phosphate finish
- High performance alloy steel



						D1	D2	L	0+0	
BHVIS111BPW12	7314150165735	1	3/4 in	41 mm	111 mm	132 mm	47 mm	94 mm	12 to	3.00 kg

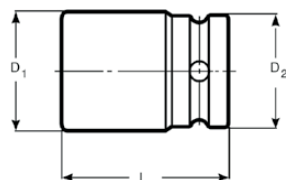


3/4" IMPACT SOCKETS / 1" IMPACT SOCKETS

BHVISxxBPW

Impact sockets BPW

- Special impact sockets for BPW axles
- Specially shaped outlet
- Features different sizes per axle capacity
- Drive: 3/4"
- Black phosphate finish
- High performance alloy steel



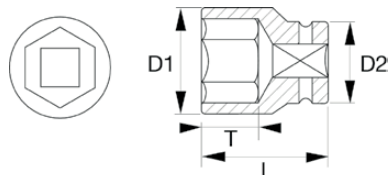
					D1	D2	L		
BHVIS80BPW12	7314150165766	1	3/4 in	80 mm	108 mm	45 mm	65 mm	12 to	1.27 kg

K9501M

1" Square Drive Impact Sockets with Metric Hex Profile and Phosphate Finish



- To be used with machines
- For maximum safety use clamping springs
- Phosphate finish
- High-performance alloy steel
- Dynamic-Drive™ Profile to protect nuts, screws and tools from unnecessary wear and damage
- Drive standard: DIN 3121-H 25, ISO 1174
- Standards: DIN 3129, ISO 2725



				L	D1	D2	T		
K9501M-22	7314151844882	1	22 mm	58 mm	39 mm	54 mm	17 mm	K560F-7	550 g
K9501M-24	7314151802677	1	24 mm	58 mm	42 mm	54 mm	17 mm	K560F-7	510 g
K9501M-27	7314151802684	1	27 mm	59 mm	45.5 mm	54 mm	19 mm	K560F-7	655 g
K9501M-30	7314151802714	1	30 mm	61 mm	49 mm	54 mm	22 mm	K560F-7	650 g
K9501M-32	7314151802721	1	32 mm	64 mm	52 mm	54 mm	22 mm	K560F-7	690 g
K9501M-33	7314151802738	1	33 mm	64 mm	53 mm	54 mm	22 mm	K560F-7	700 g
K9501M-34	7314151802745	1	34 mm	62 mm	54 mm	54 mm	22 mm	K560F-7	680 g
K9501M-36	7314151802752	1	36 mm	66 mm	57 mm	54 mm	22 mm	K560F-7	765 g
K9501M-38	7314151802769	1	38 mm	65 mm	60 mm	54 mm	22 mm	K560F-7	780 g
K9501M-41	7314151802776	1	41 mm	69 mm	63 mm	54 mm	24 mm	K560F-7	850 g
K9501M-42	7314151802783	1	42 mm	67 mm	64 mm	54 mm	24 mm	K560F-7	870 g
K9501M-46	7314151802790	1	46 mm	73 mm	69.5 mm	54 mm	26 mm	K560F-7	1040 g
K9501M-50	7314151802806	1	50 mm	78 mm	74 mm	54 mm	28 mm	K560F-7	1210 g
K9501M-55	7314151802813	1	55 mm	86 mm	79.5 mm	54 mm	36 mm	K560F-7	1470 g
K9501M-60	7314151802820	1	60 mm	90 mm	86 mm	54 mm	38 mm	K560F-7	1740 g
K9501M-65	7314151802837	1	65 mm	94 mm	90.5 mm	54 mm	38 mm	K560F-7	2000 g
K9501M-70	7314151802844	1	70 mm	98 mm	100 mm	54 mm	40 mm	K560F-7	2310 g
K9501M-75	7314151802851	1	75 mm	100 mm	103 mm	60 mm	45 mm	K560F-8	2790 g
K9501M-80	7314151802868	1	80 mm	100 mm	110 mm	60 mm	45 mm	K560F-8	3100 g
K9501M-85	7314150352197	1	85 mm	105 mm	118 mm	86 mm	50 mm	K560F-8	4000 g

**K9501Z****1" Square Drive Impact Sockets with Imperial Hex Profile and Phosphate Finish**

- To be used with machines
- For maximum safety use clamping springs
- Phosphate finish
- High-performance alloy steel
- Dynamic-Drive™ Profile to protect nuts, screws and tools from unnecessary wear and damage
- Drive standard: DIN 3121-H 25, ISO 1174
- Standards: DIN 3129, ISO 2725



	HEX			L	D1	D2	T	⌀	g
K9501Z-1	7314151844912	1	1 in	59 mm	43 mm	54 mm	19 mm	K560F-7	600 g
K9501Z-1.1/16	7314150130634	1	1 1/16 in	60 mm	44.5 mm	54 mm	19 mm	K560F-7	540 g
K9501Z-1.1/8	7314150130641	1	1 1/8 in	62 mm	46 mm	54 mm	22 mm	K560F-7	660 g
K9501Z-1.3/16	7314150130658	1	1 3/16 in	62 mm	49 mm	54 mm	22 mm	K560F-7	680 g
K9501Z-1.1/4	7314151844929	1	1 1/4 in	62 mm	52 mm	54 mm	22 mm	K560F-7	560 g
K9501Z-1.5/16	7314150130665	1	1 5/16 in	63 mm	54 mm	54 mm	22 mm	K560F-7	700 g
K9501Z-1.3/8	7314150130672	1	1 3/8 in	66 mm	55 mm	54 mm	22 mm	K560F-7	720 g
K9501Z-1.7/16	7314151844936	1	1 7/16 in	66 mm	57 mm	54 mm	22 mm	K560F-7	760 g
K9501Z-1.1/2	7314151844943	1	1 1/2 in	67 mm	60 mm	54 mm	22 mm	K560F-7	790 g
K9501Z-1.9/16	7314150130689	1	1 9/16 in	66 mm	61 mm	54 mm	22 mm	K560F-7	800 g
K9501Z-1.5/8	7314151844950	1	1 5/8 in	69 mm	63 mm	54 mm	24 mm	K560F-7	860 g
K9501Z-1.11/16	7314150130696	1	1 11/16 in	70 mm	65 mm	54 mm	26 mm	K560F-7	910 g
K9501Z-1.3/4	7314150130702	1	1 3/4 in	70 mm	67.5 mm	60.3 mm	26 mm	K560F-7	1100 g
K9501Z-1.13/16	7314151844967	1	1 13/16 in	75 mm	69.5 mm	54 mm	26 mm	K560F-7	1140 g
K9501Z-1.7/8	7314151844974	1	1 7/8 in	70 mm	70.5 mm	54 mm	26 mm	K560F-7	1140 g
K9501Z-1.15/16	7314150130719	1	1 15/16 in	58 mm	40.5 mm	60.3 mm	28 mm	K560F-7	510 g
K9501Z-2	7314150130726	1	2 in	76 mm	74 mm	60.3 mm	28 mm	K560F-7	1400 g
K9501Z-2.1/8	7314150130740	1	2 1/8 in	80 mm	79 mm	60.3 mm	32 mm	K560F-7	1460 g
K9501Z-2.3/16	7314150130757	1	2 3/16 in	84 mm	80 mm	60.3 mm	36 mm	K560F-7	1630 g
K9501Z-2.1/4	7314150130764	1	2 1/4 in	84 mm	82.5 mm	60.3 mm	36 mm	K560F-7	1700 g
K9501Z-2.5/16	7314150130771	1	2 5/16 in	84 mm	84 mm	60.3 mm	36 mm	K560F-7	1780 g
K9501Z-2.9/16	7314150130801	1	2 9/16 in	92 mm	92.5 mm	60.3 mm	38 mm	K560F-7	2100 g
K9501Z-2.3/4	7314150130832	1	2 3/4 in	96 mm	99 mm	60.3 mm	40 mm	K560F-7	2440 g

K9506M**1" Square Drive Deep Impact Sockets with Metric Hex Profile and Phosphate Finish**

- To be used with machines
- For maximum safety use clamping springs
- Phosphate finish
- High-performance alloy steel
- Dynamic-Drive™ Profile to protect nuts, screws and tools from unnecessary wear and damage
- T = depth of female hexagon
- Drive standard: DIN 3121-H 25, ISO 1174
- Standards: DIN 3129, ISO 2725



	HEX			L	D1	D2	T	⌀	g
K9506M-22	7314151844998	1	22 mm	110 mm	40 mm	54 mm	25 mm	K560F-7	1400 g
K9506M-24	7314151802530	1	24 mm	100 mm	42 mm	54 mm	25 mm	K560F-7	1400 g
K9506M-27	7314151802547	1	27 mm	100 mm	46 mm	54 mm	28 mm	K560F-7	1000 g
K9506M-30	7314151802554	1	30 mm	100 mm	49.5 mm	54 mm	30 mm	K560F-7	1320 g
K9506M-32	7314151802561	1	32 mm	100 mm	52 mm	54 mm	30 mm	K560F-7	1280 g
K9506M-33	7314151802578	1	33 mm	100 mm	53 mm	54 mm	30 mm	K560F-7	1250 g
K9506M-34	7314151845018	1	34 mm	100 mm	53.5 mm	54 mm	35 mm	K560F-7	1150 g
K9506M-36	7314151802585	1	36 mm	100 mm	57 mm	54 mm	35 mm	K560F-7	1180 g
K9506M-38	7314151802592	1	38 mm	100 mm	59.5 mm	54 mm	38 mm	K560F-7	1260 g
K9506M-41	7314151802608	1	41 mm	100 mm	63 mm	54 mm	38 mm	K560F-7	1360 g
K9506M-46	7314151802615	1	46 mm	100 mm	69.5 mm	54 mm	38 mm	K560F-7	1590 g
K9506M-50	7314151802622	1	50 mm	100 mm	74.5 mm	54 mm	38 mm	K560F-7	1770 g
K9506M-55	7314151802639	1	55 mm	100 mm	81 mm	54 mm	38 mm	K560F-7	1960 g
K9506M-60	7314151802646	1	60 mm	120 mm	87.5 mm	54 mm	43 mm	K560F-7	2720 g



1" IMPACT SOCKETS / 1 1/2" IMPACT SOCKETS

K9506Z

1" Square Drive Deep Impact Sockets with Imperial Hex Profile and Phosphate Finish



- To be used with machines
- For maximum safety use clamping springs
- Phosphate finish
- High-performance alloy steel
- Dynamic-Drive™ Profile to protect nuts, screws and tools from unnecessary wear and damage
- T = depth of female hexagon
- Drive standard: DIN 3121-H 25, ISO 1174
- Standards: DIN 3129, ISO 2725



				L	D1	D2	T		
K9506Z-1	7314150131686	1	1 in	108 mm	42.5 mm	54 mm	30 mm	K560F-7	1060 g
K9506Z-1.1/16	7314150131693	1	1 1/16 in	108 mm	44.5 mm	54 mm	30 mm	K560F-7	1120 g
K9506Z-1.3/16	7314150131716	1	1 3/16 in	108 mm	49 mm	54 mm	30 mm	K560F-7	1200 g
K9506Z-1.1/4	7314150131723	1	1 1/4 in	108 mm	51.5 mm	54 mm	30 mm	K560F-7	1220 g
K9506Z-1.7/16	7314150131754	1	1 7/16 in	108 mm	56.5 mm	54 mm	35 mm	K560F-7	1280 g
K9506Z-1.1/2	7314150131761	1	1 1/2 in	108 mm	59 mm	54 mm	35 mm	K560F-7	1330 g
K9506Z-1.5/8	7314150131785	1	1 5/8 in	108 mm	62.5 mm	54 mm	38 mm	K560F-7	1470 g
K9506Z-1.13/16	7314150131808	1	1 13/16 in	108 mm	69 mm	60.3 mm	42 mm	K560F-7	1640 g
K9506Z-1.7/8	7314150131815	1	1 7/8 in	108 mm	70 mm	60.3 mm	42 mm	K560F-7	1680 g

K9801M

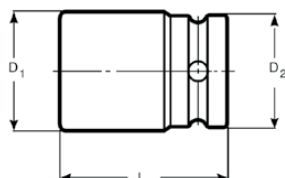
1-1/2" Square Drive Impact Sockets with Metric Hex Profile and Phosphate Finish



- To be used with machines
- For maximum safety use clamping springs
- Phosphate finish
- High-performance alloy steel
- Dynamic-Drive™ Profile to protect nuts, screws and tools from unnecessary wear and damage
- Drive standard: DIN 3121-H 40, ISO 1174
- Standards: DIN 3129, ISO 2725



				L	D1	D2		
K9801M-46	7314151845056	1	46 mm	80 mm	76.3 mm	86 mm	K560F-8	2280 g
K9801M-50	7314151845063	1	50 mm	82 mm	81.5 mm	86 mm	K560F-8	2360 g
K9801M-55	7314151845070	1	55 mm	70 mm	81.5 mm	86 mm	K560F-8	1180 g
K9801M-60	7314151845087	1	60 mm	89 mm	93.6 mm	86 mm	K560F-8	2750 g
K9801M-65	7314151845094	1	65 mm	95 mm	99.8 mm	86 mm	K560F-8	3100 g
K9801M-70	7314151845100	1	70 mm	100 mm	105.5 mm	86 mm	K560F-8	3610 g
K9801M-75	7314151845117	1	75 mm	105 mm	112 mm	86 mm	K560F-8	3800 g
K9801M-80	7314151845124	1	80 mm	110 mm	115 mm	86 mm	K560F-8	4800 g
K9801M-85	7314151845131	1	85 mm	120 mm	124.8 mm	86 mm	K560F-8	5440 g
K9801M-90	7314151845148	1	90 mm	120 mm	125 mm	86 mm	K560F-8	5760 g
K9801M-95	7314151845155	1	95 mm	125 mm	136.5 mm	127 mm	K560F-9	8100 g
K9801M-100	7314151845162	1	100 mm	125 mm	143.7 mm	127 mm	K560F-9	8600 g
K9801M-105	7314151845179	1	105 mm	130 mm	147.6 mm	127 mm	K560F-9	9200 g
K9801M-110	7314151845186	1	110 mm	130 mm	153.2 mm	127 mm	K560F-9	1000 g
K9801M-115	7314151845193	1	115 mm	140 mm	158.8 mm	127 mm	K560F-9	10800 g
K9801M-120	7314151845209	1	120 mm	140 mm	166.7 mm	127 mm	K560F-9	12100 g
K9801M-125	7314150167159	1	125 mm	165.1 mm	170.1 mm	82.6 mm	K560F-8	13610 g
K9801M-130	7314150167166	1	130 mm	165.1 mm	176 mm	82.6 mm	K560F-8	14590 g
K9801M-135	7314150167173	1	135 mm	171.5 mm	181.9 mm	82.6 mm	K560F-8	16170 g
K9801M-140	7314150167180	1	140 mm	177.8 mm	187.7 mm	82.6 mm	K560F-8	17860 g
K9801M-145	7314150167197	1	145 mm	184.2 mm	193.7 mm	82.6 mm	K560F-8	18800 g
K9801M-150	7314150167203	1	150 mm	184.2 mm	199.5 mm	82.6 mm	K560F-8	19120 g
K9801M-155	7314150167210	1	155 mm	190.5 mm	205.5 mm	82.6 mm	K560F-8	19470 g

**K9801Z****1-1/2" Square Drive Impact Sockets with Imperial Hex Profile and Phosphate Finish**

- To be used with machines
- For maximum safety use clamping springs
- Phosphate finish
- High-performance alloy steel
- Dynamic-Drive™ Profile to protect nuts, screws and tools from unnecessary wear and damage
- Manufactured on demand
- Drive standard: DIN 3121-H 40, ISO 1174
- Standards: DIN 3129, ISO 2725

				L	D1	D2		
K9801Z-1.3/8	7314150131952	1	1 3/8 in	69.9 mm	63.8 mm	82.6 mm	K560F-8	2060 g
K9801Z-1.7/16	7314150131969	1	1 7/16 in	76.2 mm	65.7 mm	82.6 mm	K560F-8	2030 g
K9801Z-1.1/2	7314150131976	1	1 1/2 in	57 mm	43 mm	56 mm	K560F-8	510 g
K9801Z-1.9/16	7314150131983	1	1 9/16 in	79.4 mm	69.3 mm	82.6 mm	K560F-8	1970 g
K9801Z-1.5/8	7314150131990	1	1 5/8 in	90 mm	71.2 mm	82.6 mm	K560F-8	2140 g
K9801Z-1.11/16	7314150132003	1	1 11/16 in	82.6 mm	73.2 mm	82.6 mm	K560F-8	1980 g
K9801Z-1.3/4	7314150132010	1	1 3/4 in	85.7 mm	75.1 mm	82.6 mm	K560F-8	2250 g
K9801Z-1.13/16	7314150132027	1	1 13/16 in	88 mm	76.8 mm	82.6 mm	K560F-8	2220 g
K9801Z-1.7/8	7314150132034	1	1 7/8 in	88.9 mm	78.7 mm	80 mm	K560F-8	2290 g
K9801Z-1.15/16	7314150132041	1	1 15/16 in	95 mm	80.6 mm	82.6 mm	K560F-8	2610 g
K9801Z-2	7314150132058	1	2 in	88.9 mm	82.6 mm	82.6 mm	K560F-8	2800 g
K9801Z-2.1/16	7314150132065	1	2 1/16 in	92.1 mm	84.8 mm	82.6 mm	K560F-8	2480 g
K9801Z-2.1/8	7314150132072	1	2 1/8 in	95.3 mm	86.2 mm	82.6 mm	K560F-8	2680 g
K9801Z-2.3/16	7314150132089	1	2 3/16 in	95.3 mm	88.1 mm	82.6 mm	K560F-8	2630 g
K9801Z-2.1/4	7314150132096	1	2 1/4 in	95.3 mm	90 mm	82.6 mm	K560F-8	3240 g
K9801Z-2.5/16	7314150132102	1	2 5/16 in	100 mm	91.8 mm	82.6 mm	K560F-8	3100 g
K9801Z-2.3/8	7314150132119	1	2 3/8 in	100 mm	93.7 mm	82.6 mm	K560F-8	3160 g
K9801Z-2.7/16	7314150132126	1	2 7/16 in	109 mm	95.6 mm	82.6 mm	K560F-8	3460 g
K9801Z-2.1/2	7314150132133	1	2 1/2 in	109 mm	97.5 mm	82.6 mm	K560F-8	3630 g
K9801Z-2.9/16	7314150132140	1	2 9/16 in	104.8 mm	99.3 mm	82.6 mm	K560F-8	3430 g
K9801Z-2.5/8	7314150132157	1	2 5/8 in	110 mm	100 mm	82.6 mm	K560F-8	3710 g
K9801Z-2.11/16	7314150132164	1	2 11/16 in	108.0 mm	103.1 mm	82.6 mm	K560F-8	3820 g
K9801Z-2.3/4	7314150132171	1	2 3/4 in	112 mm	105 mm	82.6 mm	K560F-8	4240 g
K9801Z-2.13/16	7314150132188	1	2 13/16 in	111.1 mm	106.8 mm	82.6 mm	K560F-8	4420 g
K9801Z-2.7/8	7314150132195	1	2 7/8 in	111.1 mm	108.7 mm	82.6 mm	K560F-8	4500 g
K9801Z-2.15/16	7314150132201	1	2 15/16 in	114.3 mm	110.6 mm	82.6 mm	K560F-8	4580 g
K9801Z-3	7314150132218	1	3 in	114.3 mm	112.5 mm	82.6 mm	K560F-8	4660 g
K9801Z-3.1/16	7314150132225	1	3 1/16 in	117.5 mm	114.3 mm	82.6 mm	K560F-8	5310 g
K9801Z-3.1/8	7314150132232	1	3 1/8 in	117.5 mm	116.2 mm	82.6 mm	K560F-8	5720 g
K9801Z-3.1/4	7314150132249	1	3 1/4 in	120.7 mm	120 mm	82.6 mm	K560F-8	5580 g
K9801Z-3.5/16	7314150132256	1	3 5/16 in	123.8 mm	121.8 mm	82.6 mm	K560F-8	6220 g
K9801Z-3.3/8	7314150132263	1	3 3/8 in	123.8 mm	123.7 mm	82.6 mm	K560F-8	5870 g
K9801Z-3.7/16	7314150132270	1	3 7/16 in	123.8 mm	125.6 mm	82.6 mm	K560F-8	6290 g
K9801Z-3.1/2	7314150132287	1	3 1/2 in	127 mm	127.5 mm	82.6 mm	K560F-8	6640 g
K9801Z-3.9/16	7314150132294	1	3 9/16 in	127 mm	129.3 mm	82.3 mm	K560F-8	6510 g
K9801Z-3.5/8	7314150132300	1	3 5/8 in	130.2 mm	131.2 mm	82.6 mm	K560F-8	6380 g
K9801Z-3.11/16	7314150132317	1	3 11/16 in	130.2 mm	133.1 mm	82.6 mm	K560F-8	6950 g
K9801Z-3.3/4	7314150132324	1	3 3/4 in	133.4 mm	135 mm	82.3 mm	K560F-8	7440 g
K9801Z-3.13/16	7314150132331	1	3 13/16 in	133.4 mm	136.8 mm	82.6 mm	K560F-8	7260 g
K9801Z-3.7/8	7314150132348	1	3 7/8 in	136.5 mm	138.7 mm	82.6 mm	K560F-8	7650 g
K9801Z-3.15/16	7314150132355	1	3 15/16 in	136.5 mm	140.6 mm	82.6 mm	K560F-8	7870 g
K9801Z-4	7314150132362	1	4 in	146.5 mm	142.5 mm	82.6 mm	K560F-8	8310 g
K9801Z-4.1/16	7314150132379	1	4 1/16 in	142.9 mm	144.3 mm	82.6 mm	K560F-8	8700 g
K9801Z-4.1/8	7314150132386	1	4 1/8 in	142.9 mm	146.2 mm	82.6 mm	K560F-8	8830 g
K9801Z-4.1/4	7314150132393	1	4 1/4 in	146.1 mm	150 mm	82.6 mm	K560F-8	9690 g
K9801Z-4.5/16	7314150132409	1	4 5/16 in	146.1 mm	151.8 mm	82.6 mm	K560F-8	11000 g
K9801Z-4.3/8	7314150132416	1	4 3/8 in	146.1 mm	153.7 mm	82.6 mm	K560F-8	10800 g
K9801Z-4.7/16	7314150132423	1	4 7/16 in	149.2 mm	155.6 mm	82.6 mm	K560F-8	10570 g
K9801Z-4.1/2	7314150132430	1	4 1/2 in	152.4 mm	157.5 mm	82.6 mm	K560F-8	10830 g
K9801Z-4.5/8	7314150132447	1	4 5/8 in	155.6 mm	161.2 mm	82.6 mm	K560F-8	12420 g
K9801Z-4.3/4	7314150132454	1	4 3/4 in	155.6 mm	165 mm	82.6 mm	K560F-8	12370 g



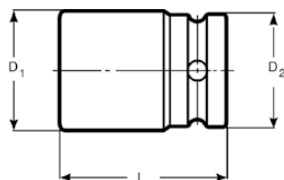
1 1/2" IMPACT SOCKETS

K9806M

1-1/2" Square Drive Deep Impact Sockets with Metric Hex Profile and Phosphate Finish

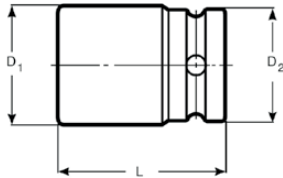


- To be used with machines
- For maximum safety use clamping springs
- Phosphate finish
- High-performance alloy steel
- Dynamic-Drive™ Profile to protect nuts, screws and tools from unnecessary wear and damage
- Manufactured on demand
- T = depth of female hexagon
- Drive standard: DIN 3121-H 40, ISO 1174
- Standards: DIN 3129, ISO 2725



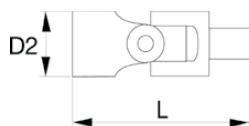
				L	D1	D2	T		
K9806M-41	7314150130986	1	41 mm	107 mm	69 mm	82.6 mm	27.4 mm	K560F-8	2500 g
K9806M-46	7314150130993	1	46 mm	112 mm	74.5 mm	82.6 mm	30.6 mm	K560F-8	2820 g
K9806M-50	7314150131006	1	50 mm	120 mm	81.5 mm	82.6 mm	33.1 mm	K560F-8	3270 g
K9806M-55	7314150131013	1	55 mm	127.0 mm	87.5 mm	82.6 mm	36.3 mm	K560F-8	3950 g
K9806M-60	7314150131020	1	60 mm	123 mm	93.3 mm	82.6 mm	39.5 mm	K560F-8	3990 g
K9806M-65	7314150131037	1	65 mm	135 mm	99.3 mm	82.6 mm	42.7 mm	K560F-8	4490 g
K9806M-70	7314150131044	1	70 mm	146.1 mm	105.2 mm	82.6 mm	45.9 mm	K560F-8	5350 g
K9806M-75	7314150131051	1	75 mm	149 mm	111.1 mm	82.6 mm	49.1 mm	K560F-8	5840 g
K9806M-80	7314150131068	1	80 mm	158.8 mm	117 mm	82.6 mm	52.3 mm	K560F-8	6590 g
K9806M-85	7314150131075	1	85 mm	165.1 mm	122.8 mm	82.6 mm	55.5 mm	K560F-8	7830 g
K9806M-90	7314150131082	1	90 mm	165 mm	128.8 mm	82.6 mm	58.7 mm	K560F-8	7990 g
K9806M-95	7314150131099	1	95 mm	177.8 mm	134.6 mm	82.6 mm	61.9 mm	K560F-8	9980 g
K9806M-100	7314150131105	1	100 mm	184.2 mm	140.6 mm	82.6 mm	65.1 mm	K560F-8	10910 g
K9806M-105	7314150131112	1	105 mm	190.5 mm	146.4 mm	82.6 mm	68.3 mm	K560F-8	11820 g
K9806M-110	7314150131129	1	110 mm	196.9 mm	152.4 mm	82.6 mm	71.5 mm	K560F-8	12740 g
K9806M-115	7314150131136	1	115 mm	203.2 mm	158.2 mm	82.6 mm	74.7 mm	K560F-8	13650 g
K9806M-120	7314150131143	1	120 mm	209.6 mm	164.2 mm	82.6 mm	77.9 mm	K560F-8	14580 g



**K9806Z****1-1/2" Square Drive Deep Impact Sockets with Imperial Hex Profile and Phosphate Finish**

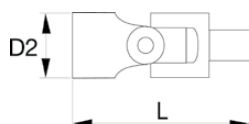
- To be used with machines
- For maximum safety use clamping springs
- Phosphate finish
- High-performance alloy steel
- Dynamic-Drive™ Profile to protect nuts, screws and tools from unnecessary wear and damage
- Manufactured on demand
- T = depth of female hexagon
- Drive standard: DIN 3121-H 40, ISO 1174
- Standards: DIN 3129, ISO 2725

	HEX			L	D1	D2	T		
K9806Z-1.3/8	7314150131150	1	1 3/8 in	104.8 mm	63.8 mm	82.6 mm	23.5 mm	K560F-8	2870 g
K9806Z-1.7/16	7314150131167	1	1 7/16 in	104.8 mm	65.7 mm	82.6 mm	24.5 mm	K560F-8	2820 g
K9806Z-1.1/2	7314150131174	1	1 1/2 in	108.0 mm	67.6 mm	82.6 mm	25.5 mm	K560F-8	2770 g
K9806Z-1.5/8	7314150131181	1	1 5/8 in	111.1 mm	71.2 mm	82.6 mm	27.6 mm	K560F-8	2820 g
K9806Z-1.11/16	7314150131198	1	1 11/16 in	114.3 mm	73.2 mm	82.6 mm	28.6 mm	K560F-8	2160 g
K9806Z-2	7314150131204	1	2 in	120 mm	82.6 mm	82.6 mm	33.7 mm	K560F-8	3230 g
K9806Z-2.1/16	7314150131211	1	2 1/16 in	120 mm	84.8 mm	82.6 mm	34.7 mm	K560F-8	3130 g
K9806Z-2.3/16	7314150131228	1	2 3/16 in	130.2 mm	88.1 mm	82.6 mm	36.7 mm	K560F-8	3780 g
K9806Z-2.1/4	7314150131235	1	2 1/4 in	127 mm	90 mm	82.6 mm	37.7 mm	K560F-8	3780 g
K9806Z-2.5/16	7314150131242	1	2 5/16 in	126 mm	91.8 mm	82.6 mm	38.7 mm	K560F-8	3880 g
K9806Z-2.3/8	7314150131259	1	2 3/8 in	133.4 mm	93.7 mm	82.6 mm	39.8 mm	K560F-8	4300 g
K9806Z-2.7/16	7314150131266	1	2 7/16 in	136.5 mm	95.6 mm	82.6 mm	40.8 mm	K560F-8	4380 g
K9806Z-2.1/2	7314150131273	1	2 1/2 in	139.7 mm	97.5 mm	82.6 mm	41.8 mm	K560F-8	4590 g
K9806Z-2.9/16	7314150131280	1	2 9/16 in	139.7 mm	99.3 mm	82.6 mm	42.8 mm	K560F-8	4770 g
K9806Z-2.5/8	7314150131297	1	2 5/8 in	142.9 mm	101.2 mm	82.6 mm	43.8 mm	K560F-8	4970 g
K9806Z-2.11/16	7314150131303	1	2 11/16 in	142.9 mm	103.1 mm	82.6 mm	44.8 mm	K560F-8	5170 g
K9806Z-2.3/4	7314150131310	1	2 3/4 in	146.1 mm	105 mm	82.6 mm	45.8 mm	K560F-8	5250 g
K9806Z-2.13/16	7314150131327	1	2 13/16 in	149.2 mm	106.8 mm	82.6 mm	46.9 mm	K560F-8	5730 g
K9806Z-2.7/8	7314150131334	1	2 7/8 in	149.2 mm	108.7 mm	82.6 mm	47.9 mm	K560F-8	5820 g
K9806Z-2.15/16	7314150131341	1	2 15/16 in	152.4 mm	110.6 mm	82.6 mm	48.9 mm	K560F-8	5920 g
K9806Z-3	7314150131358	1	3 in	152.4 mm	112.5 mm	82.6 mm	49.9 mm	K560F-8	6300 g
K9806Z-3.1/16	7314150131365	1	3 1/16 in	155.6 mm	114.3 mm	82.6 mm	50.9 mm	K560F-8	6680 g
K9806Z-3.1/8	7314150131372	1	3 1/8 in	148.8 mm	114.2 mm	82.6 mm	51.9 mm	K560F-8	6160 g
K9806Z-3.3/16	7314150131389	1	3 3/16 in	158.8 mm	118.1 mm	82.6 mm	53 mm	K560F-8	7190 g
K9806Z-3.1/4	7314150131396	1	3 1/4 in	161.9 mm	120 mm	82.6 mm	54 mm	K560F-8	7460 g
K9806Z-3.5/16	7314150131402	1	3 5/16 in	161.9 mm	121.8 mm	82.6 mm	55 mm	K560F-8	7580 g
K9806Z-3.3/8	7314150131419	1	3 3/8 in	165.1 mm	123.7 mm	82.6 mm	56 mm	K560F-8	7860 g
K9806Z-3.7/16	7314150131426	1	3 7/16 in	168.3 mm	125.6 mm	82.6 mm	57 mm	K560F-8	8310 g
K9806Z-3.1/2	7314150131433	1	3 1/2 in	168.3 mm	127.5 mm	82.6 mm	58 mm	K560F-8	8450 g
K9806Z-3.9/16	7314150131440	1	3 9/16 in	171.5 mm	129.3 mm	82.6 mm	59.1 mm	K560F-8	8740 g
K9806Z-3.5/8	7314150131457	1	3 5/8 in	171.5 mm	131.2 mm	82.6 mm	60.1 mm	K560F-8	9420 g
K9806Z-3.11/16	7314150131464	1	3 11/16 in	174.6 mm	133.1 mm	82.6 mm	61.1 mm	K560F-8	9560 g
K9806Z-3.3/4	7314150131471	1	3 3/4 in	177.8 mm	135 mm	82.6 mm	62.1 mm	K560F-8	9710 g
K9806Z-3.13/16	7314150131488	1	3 13/16 in	177.8 mm	136.8 mm	82.6 mm	63.1 mm	K560F-8	10210 g
K9806Z-3.7/8	7314150131495	1	3 7/8 in	181.0 mm	138.7 mm	82.6 mm	64.1 mm	K560F-8	10560 g
K9806Z-3.15/16	7314150131501	1	3 15/16 in	181.0 mm	140.6 mm	82.6 mm	65.2 mm	K560F-8	11130 g
K9806Z-4	7314150131518	1	4 in	184.2 mm	142.5 mm	82.6 mm	66.2 mm	K560F-8	11290 g
K9806Z-4.1/16	7314150131525	1	4 1/16 in	187.3 mm	144.3 mm	82.6 mm	67.2 mm	K560F-8	12080 g
K9806Z-4.1/8	7314150131532	1	4 1/8 in	187.3 mm	146.2 mm	82.6 mm	68.2 mm	K560F-8	12240 g
K9806Z-4.1/4	7314150131549	1	4 1/4 in	190.5 mm	150 mm	82.6 mm	70.2 mm	K560F-8	13260 g
K9806Z-4.5/16	7314150131556	1	4 5/16 in	193.7 mm	151.8 mm	82.6 mm	71.2 mm	K560F-8	15120 g
K9806Z-4.3/8	7314150131563	1	4 3/8 in	196.9 mm	153.7 mm	82.6 mm	72.3 mm	K560F-8	14830 g
K9806Z-4.1/2	7314150131570	1	4 1/2 in	200.0 mm	157.5 mm	82.6 mm	74.3 mm	K560F-8	14680 g
K9806Z-4.5/8	7314150131587	1	4 5/8 in	203.2 mm	161.2 mm	82.6 mm	76.3 mm	K560F-8	15360 g
K9806Z-4.3/4	7314150131594	1	4 3/4 in	206.4 mm	165 mm	82.6 mm	78.4 mm	K560F-8	15500 g

**K8167S****1/2" Square Drive Ball Joint Sockets with Phosphate Finish**

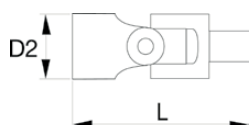
- Phosphate finish
- High-performance alloy steel
- Maximum angle 30° with through hole
- To be used with machines
- For maximum safety use clamping springs
- D2 = outside diameter of the female end
- Drive standard: DIN 3121-G 12.5 ISO 1174

						D2		
K8167S	7314151237592	1	1/2"	1/2"	62 mm	34 mm	K560F-5	200 g

**K8967S****3/4" Square Drive Ball Joint Sockets with Phosphate Finish**

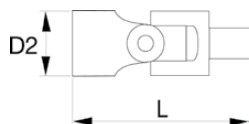
- Phosphate finish
- High-performance alloy steel
- Maximum angle 35° with through hole
- To be used with machines
- For maximum safety use clamping springs
- D2 = outside diameter of the female end
- Drive standard: DIN 3121-H 20, ISO 1174

						D2		
K8967S	7314151268329	1	3/4"	3/4"	98 mm	44 mm	K560F-6	670 g

**K9567S****1" Square Drive Ball Joint Sockets with Phosphate Finish**

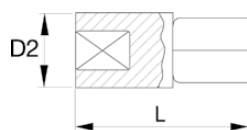
- Phosphate finish
- High-performance alloy steel
- Maximum angle 35° with spring-loaded pin
- To be used with machines
- For maximum safety use clamping springs
- D2 = outside diameter of the female end
- Drive standard: DIN 3121-H 25, ISO 1174

						D2		
K9567S	7314151286095	1	1"	1"	124 mm	64 mm	K560F-7	1426 g

**K9867S****1-1/2" Square Drive Ball Joints with Phosphate Finish**

- Phosphate finish
- Maximum angle 35°
- To be used with machines
- For maximum safety use clamping springs
- Material of high-performance alloy steel is ideal for impact use
- D2 = outside diameter of the female end
- Drive standard: DIN 3121, ISO 1174
- Standards: DIN 3129, ISO 2725

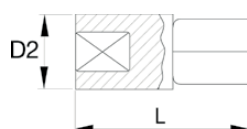
						D2		
K9867S	7314150133932	1	1 1/2	1 1/2	154.2 mm	88.9 mm	K560F-8	4050 g

**K7764D/SBK7764D****1/2" Square Drive Adaptors with Phosphate Finish**

- High-performance alloy steel
- Square female size: 1/2"
- Square male size: 3/4", 3/8"
- Phosphate finish
- For maximum safety use clamping springs
- With through-hole
- D2 = outside diameter of the female end
- Warning: The torque applied should be limited to the smallest drive
- Drive standard: DIN 3121-G 10, ISO 1174

						D2		
K7764D	7314151222475	1	M 3/8"	F 1/2"	35 mm	25 mm	K560F-4	70 g

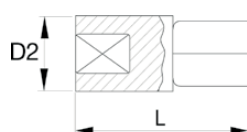
SB: Retail pack

**K8964D/SBK8964D****1/2" Square Drive to 3/4" Increasing Adaptor with Phosphate Finish**

- High-performance alloy steel
- Square female size: 1/2"
- Square male size: 3/4"
- Phosphate finish
- With through-hole
- For maximum safety use clamping springs
- D2 = outside diameter of the female end
- Drive standard: DIN 3121-G 10, ISO 1174

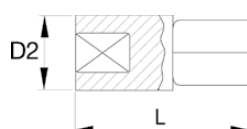
						D2		
K8964D	7314151268237	1	3/4"	1/2"	45 mm	25 mm	K560F-4	120 g

SB: Retail pack on a plastic info card

**K8164F****3/4" Square Drive Adaptors with Phosphate Finish**

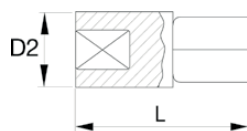
- High-performance alloy steel
- Square female size: 3/4"
- Square male size: 1", 1/2"
- Phosphate finish
- For maximum safety use clamping springs
- With through-hole
- D2 = outside diameter of the female end
- Drive standard: DIN 3121-H 20, ISO 1174

						D2		
K8164F	7314151237554	1	1/2"	3/4"	56 mm	44 mm	K560F-6	350 g

**K9564F****3/4" Square Drive to 1" Socket Increasing Adaptors with Phosphate Finish**

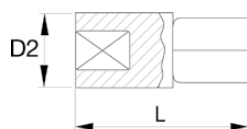
- High-performance alloy steel
- Square female size: 3/4"
- Square male size: 1"
- Phosphate finish
- With through-hole
- For maximum safety use clamping springs
- D2 = outside diameter of the female end
- Drive standard: DIN 3121-H 20, ISO 1174

						D2		
K9564F	7314151286026	1	1"	3/4"	63 mm	44 mm	K560F-6	410 g

**K8964G****1" Square Drive Adaptors with Phosphate Finish**

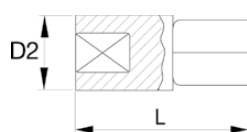
- High-performance alloy steel
- Square female size: 1"
- Square male size: 3/4"
- Phosphate finish
- For maximum safety use clamping springs
- With through-hole
- D2 = outside diameter of the female end
- Drive standard: DIN 3121-H 25, ISO 1174

						D2		
K8964G	7314151268268	1	3/4"	1"	75 mm	54 mm	K560F-7	630 g

**K8985G****1" to 1-1/2" Square Drive Adaptor with Phosphate Finish**

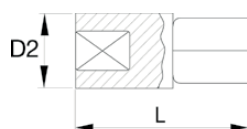
- High-performance alloy steel
- Square female size: 1"
- Square male size: 1-1/2"
- Phosphate finish
- With through-hole
- For maximum safety use clamping springs
- D2 = outside diameter of the female end
- Drive standard: DIN 3121-H 25, ISO 1174

						D2		
K8985G	7314150133949	1	1 1/2"	1"	81 mm	54 mm	K560F-7	990 g

**K9598H****1-1/2" Square Drive Adaptors with Phosphate Finish**

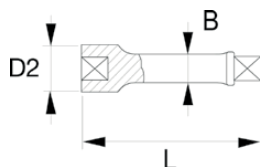
- High-performance alloy steel
- Square female size: 1-1/2", 2-1/2"
- Square male size: 1", 2-1/2", 1-1/2"
- Phosphate finish
- For maximum safety use clamping springs
- With through-hole
- D2 = outside diameter of the female end
- Warning: torque applied should be limited to the smallest drive
- Drive standard: DIN 3121, ISO 1174
- Standards: DIN 3129, ISO 2725

						D2		
K9598H	7314150133956	1	1	1 1/2	105 mm	86 mm	K560F-8	2300 g

**K9998H****1-1/2" Square Drive to 2-1/2" Socket Increasing Adaptors with Phosphate Finish**

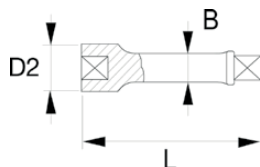
- High-performance alloy steel
- Square female size: 1-1/2"
- Square male size: 2-1/2"
- Phosphate finish
- With through-hole
- For maximum safety use clamping springs K560F-8
- D2 = outside diameter of the female end
- Warning: The torque applied should be limited to the smallest drive
- Drive standard: DIN 3121-G 10, ISO 1174

						D2		
K9998H	7314150133963	1	2 1/2	1 1/2	120.7 mm	82.6 mm	K560F-8	3920 g

**K8160D****1/2" Square Drive Extensions with Phosphate Finish**

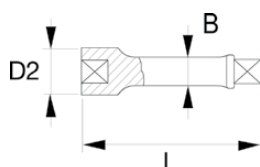
- Phosphate finish
- High-performance alloy steel
- With through-hole
- To be used with machines
- For maximum safety use clamping springs
- D2 = outside diameter of the female end
- Drive standard: DIN 3121-G 12.5 ISO 1174

						B	D2		
K8160D-1	7314151237400	1	1/2"	1/2"	75 mm	15 mm	25 mm	K560F-4	140 g
K8160D-2	7314151237417	1	1/2"	1/2"	125 mm	15 mm	25 mm	K560F-4	200 g
K8160D-3	7314151237424	1	1/2"	1/2"	250 mm	15 mm	25 mm	K560F-4	360 g

**K8960F****3/4" Square Drive Extensions with Phosphate Finish**

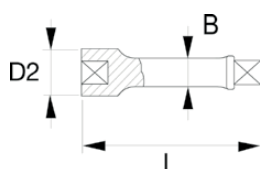
- Phosphate finish
- High-performance alloy steel
- With through-hole
- To be used with machines
- For maximum safety use clamping springs
- D2 = outside diameter of the female end
- Drive standard: DIN 3121-H 20, ISO 1174

						B	D2		
K8960F-2	7314151268138	1	3/4"	3/4"	175 mm	27 mm	44 mm	K560F-6	850 g
K8960F-3	7314151268145	1	3/4"	3/4"	250 mm	27 mm	44 mm	K560F-6	1000 g

**K9560G****1" Square Drive Extensions with Phosphate Finish**

- Phosphate finish
- High-performance alloy steel
- With through-hole
- To be used with machines
- For maximum safety use clamping springs
- D2 = outside diameter of the female end
- Drive standard: DIN 3121-F 25/ISO 1174

						B	D2		
K9560G-1	7314151285944	1	1"	1"	125 mm	38 mm	53 mm	K560F-7	1085 g
K9560G-2	7314151285951	1	1"	1"	175 mm	38 mm	53 mm	K560F-7	1270 g
K9560G-3	7314151285968	1	1"	1"	325 mm	38 mm	53 mm	K560F-7	2395 g
K9560G-4	7314150133970	1	1	1	300 mm	38 mm	54 mm	K560F-7	2300 g
K9560G-5	7314150133987	1	1	1	400 mm	38 mm	54 mm	K560F-7	3000 g

**K9860H****1-1/2" Square Drive Extensions with Phosphate Finish**

- Phosphate finish
- High-performance alloy steel
- With through-hole
- To be used with machines
- For maximum safety use clamping springs
- D2 = outside diameter of the female end
- Drive standard: DIN 3121, ISO 1174
- Standards: DIN 3129, ISO 2725

						B	D2		
K9860H-1	7314150133994	1	1 1/2"	1 1/2"	255 mm	50 mm	86 mm	K560F-8	4970 g
K9860H-2	7314150134007	1	1 1/2"	1 1/2"	380 mm	50 mm	65 mm	K560F-8	6870 g
K9860H-3	7314150134014	1	1 1/2"	1 1/2"	510 mm	50 mm	86 mm	K560F-8	8840 g

**K560F-4/5****Safety Clamping Springs for 1/2" Impact Socket**

- Spring steel
- To be used in impact sockets and accessories
- For maximum safety use clamping springs

K560F-4	7314151825348	5	1/2"	10-14 mm	E10-E20	3 g
K560F-5	7314151825355	5	1/2"	15-32 mm	E24	3 g

**K560F-6****Safety Clamping Springs for 3/4" Impact Socket**

- Spring steel
- To be used in impact sockets and accessories
- For maximum safety use clamping springs

K560F-6	7314151825362	5	3/4"	17-46 mm	6 g

**K560F-7/8****Safety Clamping Springs for 1" and 1-1/2" Impact Socket**

- Spring steel
- To be used in impact sockets and accessories
- For maximum safety use clamping springs

K560F-7	7314151825379	5	1"	19-70 mm	9 g
K560F-8	7314151825508	5	1 & 1/2"	75-80 & 46-90 mm	13 g

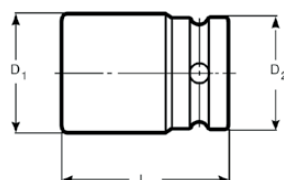
**K560F-9****Safety Clamping Springs for 1-1/2" Impact Socket**

- Spring steel
- To be used in impact sockets and accessories
- For maximum safety use clamping springs

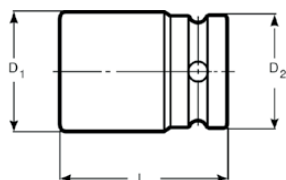
K560F-9	7314151846688	5	1 1/2"	95-120 mm	15 g

**7807H-7809H****1/2" Square Drive Bit Holders with Phosphate Finish**

- High-performance alloy steel
- Square female size: 1/2"
- Hexagon female size: 1/4", 5/16", 11.2 mm
- Phosphate finish
- With spring-loaded pin
- To be used with machines
- For maximum safety use clamping springs
- D2 = outside diameter of the female end
- Drive standard: DIN 3121-G 12.5 ISO 1174

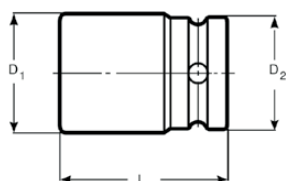


			M			L	D2		
7807H	7314151232764	1	* 1	1/4 in	1/2"	38 mm	25 mm	K560F-4	140 g
7808H	7314151232771	1	* 1	5/16 in	1/2"	38 mm	18 mm	K560F-4	60 g
7809H	7314151232788	1	** 2	11.2 mm	1/2"	38 mm	30 mm	K560F-4	90 g

**K9509H5****1" Square Drive Bit Holders with 22 mm Male Hex Drive with Phosphate Finish**

- High-performance alloy steel
- Square female size: 1"
- Hexagon female size: 22 mm
- Phosphate finish
- For screwdriver bits with 22 mm male hexagon drive
- With bit-holding locking screw
- Drive standard: DIN 3121-H 25, ISO 1174

K9509H5	7314151619428	1	22 mm	1"	70 mm	44 mm	54 mm	K560F-7	750 g

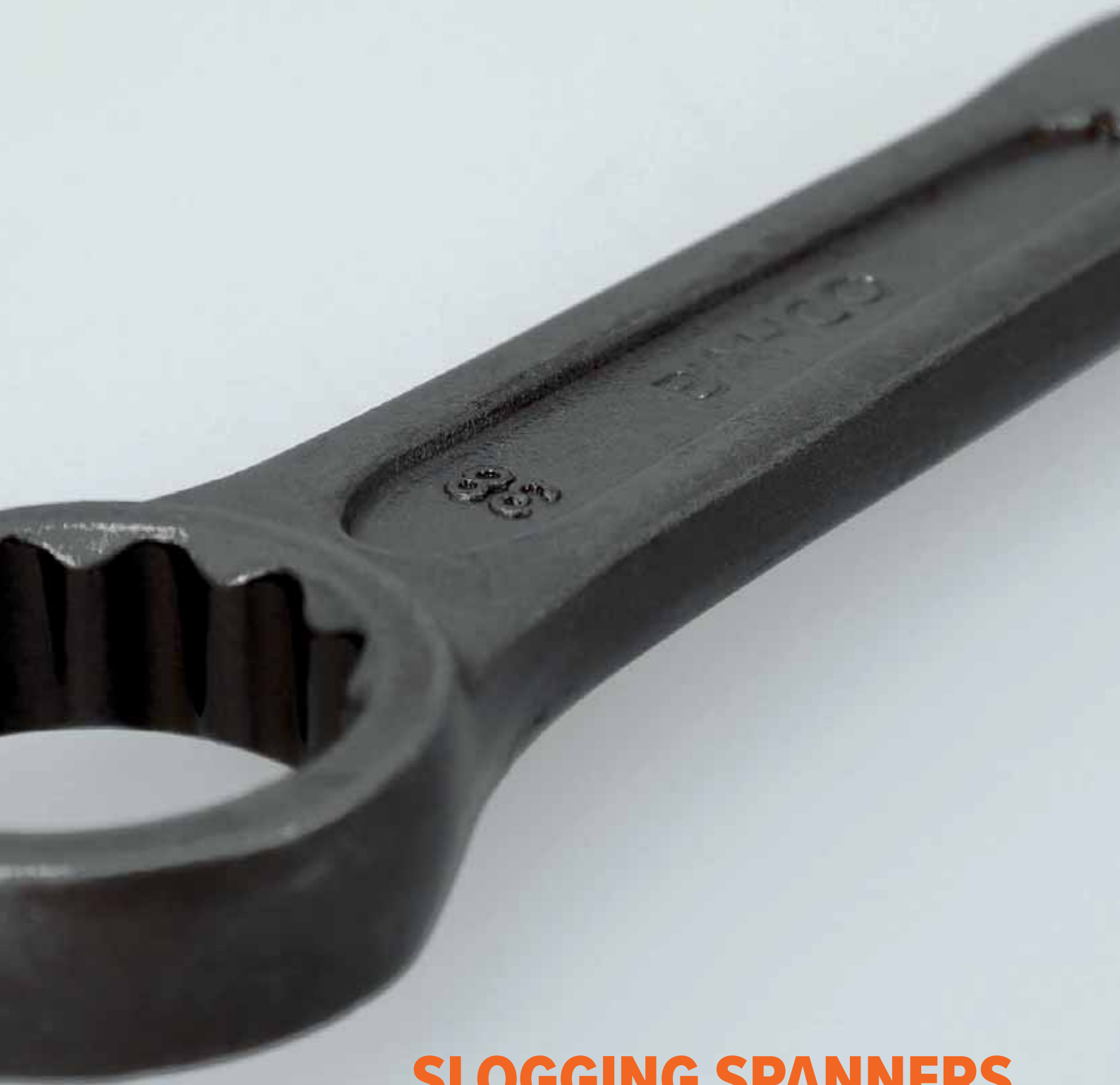
**K8909H****3/4" Square Drive Bit Holders with Phosphate Finish**

- High-performance alloy steel
- Square female size: 3/4"
- Hexagon female size: 22 mm
- Phosphate finish
- For screwdriver bits with 22 mm male hexagon drive
- With bit-holding locking screw
- Drive standard: DIN 3121-H 20, ISO 1174

K8909H-5	7314151619343	1	22 mm	3/4"	59 mm	44 mm	44 mm	K560F-6	380 g







SLOGGING SPANNERS



RING END SLOGGING SPANNERS

7444SG-M

Metric Ring End Slogging Wrenches



- Special heavy-duty short shank wrench for use with hammer
- Striking end for heavy-duty applications
- Steel grey finish
- Special steel
- Short and strong profiled handle
- 12-Point profile ring
- Standards: DIN 7444



				L	a	B	g
7444SG-M-24	7314150205400	1	24 mm	165 mm	15 mm	43 mm	235 g
7444SG-M-27	7314151829834	1	27 mm	180 mm	16 mm	46 mm	295 g
7444SG-M-30	7314151829841	1	30 mm	190 mm	17 mm	52 mm	400 g
7444SG-M-32	7314151829858	1	32 mm	190 mm	17 mm	52 mm	400 g
7444SG-M-34	7314151838560	1	34 mm	205 mm	18 mm	57 mm	400 g
7444SG-M-36	7314151829865	1	36 mm	205 mm	18 mm	58 mm	540 g
7444SG-M-38	7314150180936	1	38 mm	205 mm	18 mm	58 mm	540 g
7444SG-M-41	7314151829872	1	41 mm	230 mm	20 mm	66 mm	700 g
7444SG-M-42	7314151829889	1	42 mm	230 mm	20 mm	66 mm	700 g
7444SG-M-46	7314151829896	1	46 mm	240 mm	22 mm	74 mm	970 g
7444SG-M-50	7314151829919	1	50 mm	255 mm	24 mm	80 mm	1130 g
7444SG-M-55	7314151829926	1	55 mm	270 mm	25 mm	86 mm	1345 g
7444SG-M-60	7314151829933	1	60 mm	280 mm	26 mm	93 mm	1650 g
7444SG-M-65	7314151829940	1	65 mm	300 mm	30 mm	102 mm	2000 g
7444SG-M-70	7314151829957	1	70 mm	330 mm	33 mm	110 mm	2600 g
7444SG-M-75	7314151829964	1	75 mm	330 mm	33 mm	110 mm	2600 g
7444SG-M-80	7314151829971	1	80 mm	360 mm	36 mm	126 mm	3500 g
7444SG-M-85	7314151829988	1	85 mm	360 mm	36 mm	126 mm	3500 g
7444SG-M-90	7314151829995	1	90 mm	390 mm	40 mm	142 mm	5000 g
7444SG-M-95	7314151830007	1	95 mm	390 mm	40 mm	142 mm	5000 g
7444SG-M-100	7314151830014	1	100 mm	420 mm	45 mm	155 mm	6500 g
7444SG-M-105	7314151830021	1	105 mm	420 mm	45 mm	155 mm	6500 g
7444SG-M-110	7314151830038	1	110 mm	450 mm	48 mm	170 mm	7800 g
7444SG-M-115	7314151830045	1	115 mm	450 mm	48 mm	170 mm	7800 g
7444SG-M-120	7314151830052	1	120 mm	480 mm	54 mm	182 mm	9400 g
7444SG-M-125	7314151830069	1	125 mm	480 mm	54 mm	182 mm	8500 g
7444SG-M-130	7314151830076	1	130 mm	520 mm	58 mm	202 mm	13000 g
7444SG-M-135	7314151830083	1	135 mm	520 mm	58 mm	202 mm	11900 g
7444SG-M-140	7314151830090	1	140 mm	520 mm	58 mm	202 mm	12500 g
7444SG-M-145	7314151830106	1	145 mm	580 mm	64 mm	228 mm	18500 g
7444SG-M-150	7314151830113	1	150 mm	580 mm	64 mm	228 mm	18750 g
7444SG-M-155	7314151830120	1	155 mm	580 mm	64 mm	228 mm	18550 g
7444SG-M-160	7314150132508	1	160 mm	580 mm	64 mm	228 mm	18000 g
7444SG-M-165	7314150132515	1	165 mm	650 mm	70 mm	565 mm	25000 g
7444SG-M-170	7314150132522	1	170 mm	650 mm	70 mm	565 mm	25000 g
7444SG-M-175	7314150132539	1	175 mm	650 mm	70 mm	565 mm	25000 g



7444SG-Z

Imperial Ring End Slogging Wrenches



- Special heavy-duty short shank wrench for use with hammer
- Striking end for heavy-duty applications
- Steel grey finish
- Special steel
- Short and strong profiled handle
- 12-Point profile ring
- Standards: DIN 7444

				L	A	b	
7444SG-Z-1.1/16	7314150132546	1	1 1/16 in	180 mm	16 mm	46 mm	350 g
7444SG-Z-1.1/8	7314150132553	1	1 1/8 in	180 mm	16 mm	46 mm	350 g
7444SG-Z-1.3/16	7314150132560	1	1 3/16 in	190 mm	17 mm	52 mm	400 g
7444SG-Z-1.1/4	7314150132577	1	1 1/4 in	190 mm	17 mm	52 mm	450 g
7444SG-Z-1.5/16	7314150132584	1	1 5/16 in	190 mm	17 mm	52 mm	450 g
7444SG-Z-1.3/8	7314150132591	1	1 3/8 in	205 mm	18 mm	58 mm	750 g
7444SG-Z-1.7/16	7314150132607	1	1 7/16 in	205 mm	18 mm	58 mm	750 g
7444SG-Z-1.5/8	7314150132621	1	1 5/8 in	230 mm	20 mm	66 mm	850 g
7444SG-Z-1.11/16	7314150132638	1	1 11/16 in	230 mm	20 mm	66 mm	850 g
7444SG-Z-1.3/4	7314150132645	1	1 3/4 in	240 mm	22 mm	74 mm	1050 g
7444SG-Z-1.13/16	7314150132652	1	1 13/16 in	240 mm	22 mm	74 mm	1050 g
7444SG-Z-1.7/8	7314150132669	1	1 7/8 in	240 mm	22 mm	74 mm	1050 g
7444SG-Z-2	7314150132676	1	2 in	255 mm	24 mm	80 mm	1250 g
7444SG-Z-2.1/16	7314150132683	1	2 1/16 in	255 mm	24 mm	80 mm	1250 g
7444SG-Z-2.1/8	7314150132690	1	2 1/8 in	270 mm	25 mm	86 mm	1550 g
7444SG-Z-2.3/16	7314150132706	1	2 3/16 in	270 mm	25 mm	86 mm	1550 g
7444SG-Z-2.1/4	7314150132713	1	2 1/4 in	270 mm	25 mm	86 mm	1550 g
7444SG-Z-2.3/8	7314150132720	1	2 3/8 in	280 mm	26 mm	93 mm	1650 g
7444SG-Z-2.9/16	7314150132744	1	2 9/16 in	300 mm	30 mm	102 mm	2300 g
7444SG-Z-2.5/8	7314150132751	1	2 5/8 in	300 mm	30 mm	102 mm	2300 g
7444SG-Z-2.3/4	7314150132768	1	2 3/4 in	330 mm	33 mm	110 mm	2600 g
7444SG-Z-3	7314150132775	1	3 in	330 mm	33 mm	110 mm	3350 g
7444SG-Z-3.1/8	7314150132782	1	3 1/8 in	360 mm	36 mm	126 mm	3800 g
7444SG-Z-3.3/8	7314150132799	1	3 3/8 in	360 mm	36 mm	126 mm	4200 g
7444SG-Z-3.1/2	7314150132805	1	3 1/2 in	390 mm	40 mm	142 mm	5700 g
7444SG-Z-3.3/4	7314150132812	1	3 3/4 in	390 mm	40 mm	142 mm	5700 g
7444SG-Z-3.7/8	7314150132829	1	3 7/8 in	420 mm	45 mm	155 mm	6700 g
7444SG-Z-4	7314150132836	1	4 in	420 mm	45 mm	155 mm	6700 g
7444SG-Z-4.1/8	7314150132843	1	4 1/8 in	420 mm	45 mm	155 mm	6700 g
7444SG-Z-4.1/2	7314150132850	1	4 1/2 in	450 mm	48 mm	170 mm	8500 g



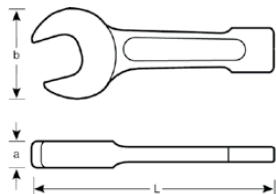
OPEN END SLOGGING SPANNERS

133SGM

Metric Open End Slogging Wrenches



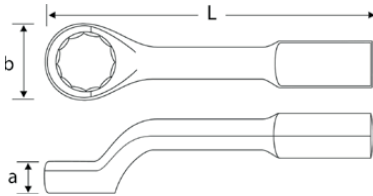
- Open end angle 15° to get more accessibility
- Striking end for heavy-duty applications in shipyards, railways and other demanding industrial operations
- Steel grey finish
- Forged special steel
- Short and strong profiled handle
- Standards: DIN 133



				L	a	b	g
133SGM-27	7314151828363	1	27 mm	180 mm	16.0 mm	56 mm	305 g
133SGM-30	7314151828370	1	30 mm	190 mm	17.0 mm	62 mm	430 g
133SGM-32	7314151828387	1	32 mm	190 mm	17.0 mm	62 mm	440 g
133SGM-36	7314151828394	1	36 mm	215 mm	17.5 mm	76 mm	700 g
133SGM-41	7314151828400	1	41 mm	235 mm	18.5 mm	86 mm	930 g
133SGM-46	7314151828417	1	46 mm	255 mm	20.0 mm	98 mm	1280 g
133SGM-50	7314151828424	1	50 mm	275 mm	21.0 mm	105 mm	1565 g
133SGM-55	7314151828431	1	55 mm	300 mm	23.0 mm	116 mm	1940 g
133SGM-60	7314151828448	1	60 mm	320 mm	24.5 mm	128 mm	2500 g
133SGM-65	7314151828455	1	65 mm	342 mm	27.0 mm	138 mm	3510 g
133SGM-70	7314151828462	1	70 mm	375 mm	30.0 mm	154 mm	4260 g
133SGM-75	7314151828479	1	75 mm	375 mm	30.0 mm	154 mm	5000 g
133SGM-80	7314151828486	1	80 mm	408 mm	34.0 mm	174 mm	5830 g
133SGM-85	7314151828493	1	85 mm	408 mm	34.0 mm	174 mm	5860 g
133SGM-90	7314151828509	1	90 mm	445 mm	38.0 mm	194 mm	8140 g
133SGM-95	7314151828516	1	95 mm	445 mm	38.0 mm	194 mm	8230 g
133SGM-100	7314151828523	1	100 mm	485 mm	44.0 mm	215 mm	11500 g
133SGM-105	7314151828530	1	105 mm	485 mm	44.0 mm	215 mm	11500 g
133SGM-110	7314151828547	1	110 mm	510 mm	47.0 mm	235 mm	13650 g
133SGM-115	7314151828554	1	115 mm	510 mm	47.0 mm	235 mm	13500 g
133SGM-120	7314151828561	1	120 mm	545 mm	50.0 mm	255 mm	17850 g

**315M****Metric Deep Offset Ring End Slogging Wrenches**

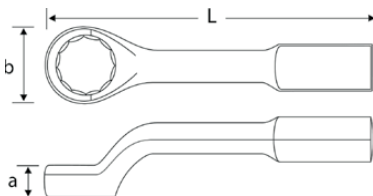
- 45° Offset head
- 12-Point profile ring
- Black oxide and waxed for a rust-resistant finish
- Forged high carbon alloy steel for extra heavy-duty strength



				L	a	b	g
315M-27	7314150133291	1	27 mm	279 mm	22 mm	51 mm	1300 g
315M-30	7314150133307	1	30 mm	279 mm	22 mm	51 mm	1300 g
315M-32	7314150133314	1	32 mm	279 mm	22 mm	51 mm	1300 g
315M-36	7314150133321	1	36 mm	317 mm	29 mm	70 mm	2900 g
315M-41	7314150133345	1	41 mm	317 mm	28 mm	70 mm	2900 g
315M-46	7314150133352	1	46 mm	324 mm	29 mm	79 mm	2800 g
315M-50	7314150133369	1	50 mm	324 mm	29 mm	79 mm	2800 g
315M-55	7314150133376	1	55 mm	355 mm	35 mm	92 mm	4200 g
315M-60	7314150133383	1	60 mm	355 mm	35 mm	92 mm	4000 g
315M-65	7314150133390	1	65 mm	362 mm	35 mm	101 mm	4200 g
315M-70	7314150133406	1	70 mm	406 mm	44 mm	124 mm	7300 g
315M-75	7314150133413	1	75 mm	406 mm	44 mm	124 mm	7100 g
315M-80	7314150133420	1	80 mm	406 mm	44 mm	124 mm	6700 g

315Z**Imperial Deep Offset Ring End Slogging Wrenches**

- 45° Offset head
- 12-Point profile ring
- Black oxide and waxed for a rust-resistant finish
- Forged high carbon alloy steel for extra heavy-duty strength



				L	a	b	g
315Z-1.1/16	7314150133437	1	1.1/16 in	279 mm	23 mm	51 mm	1300 g
315Z-1.1/8	7314150133444	1	1.1/8 in	279 mm	23 mm	51 mm	1300 g
315Z-1.3/16	7314150133451	1	1.3/16 in	279 mm	23 mm	54 mm	1300 g
315Z-1.1/4	7314150133468	1	1.1/4 in	279 mm	23 mm	54 mm	1300 g
315Z-1.5/16	7314150133475	1	1.5/16 in	279 mm	23 mm	54 mm	1300 g
315Z-1.3/8	7314150133482	1	1.3/8 in	279 mm	23 mm	54 mm	1200 g
315Z-1.7/16	7314150133499	1	1.7/16 in	317 mm	29 mm	70 mm	2900 g
315Z-1.1/2	7314150133505	1	1.1/2 in	317 mm	29 mm	70 mm	2900 g
315Z-1.5/8	7314150133512	1	1.5/8 in	317 mm	29 mm	70 mm	2800 g
315Z-1.11/16	7314150133529	1	1.11/16 in	317 mm	29 mm	73 mm	2800 g
315Z-1.3/4	7314150133536	1	1.3/4 in	317 mm	29 mm	73 mm	2800 g
315Z-1.13/16	7314150133543	1	1.13/16 in	317 mm	29 mm	76 mm	2800 g
315Z-1.7/8	7314150133550	1	1.7/8 in	317 mm	29 mm	76 mm	2800 g
315Z-1.15/16	7314150133567	1	1.15/16 in	317 mm	29 mm	76 mm	2800 g
315Z-2	7314150133574	1	2 mm	324 mm	29 mm	79 mm	2800 g
315Z-2.1/16	7314150133581	1	2.1/16 in	324 mm	29 mm	79 mm	2700 g
315Z-2.1/8	7314150133598	1	2.1/8 in	355 mm	35 mm	92 mm	4200 g
315Z-2.3/16	7314150133604	1	2.3/16 in	355 mm	35 mm	95 mm	4200 g
315Z-2.1/4	7314150133611	1	2.1/4 in	355 mm	35 mm	95 mm	4200 g
315Z-2.5/16	7314150133628	1	2.5/16 in	355 mm	35 mm	95 mm	4200 g
315Z-2.3/8	7314150133635	1	2.3/8 in	355 mm	35 mm	95 mm	4100 g
315Z-2.1/2	7314150133642	1	2.1/2 in	362 mm	34 mm	101 mm	4200 g
315Z-2.9/16	7314150133659	1	2.9/16 in	362 mm	34 mm	105 mm	4200 g
315Z-2.5/8	7314150133666	1	2.5/8 in	362 mm	34 mm	105 mm	4100 g
315Z-2.3/4	7314150133673	1	2.3/4 in	406 mm	45 mm	124 mm	7000 g
315Z-2.7/8	7314150133680	1	2.7/8 in	406 mm	45 mm	124 mm	7200 g
315Z-2.15/16	7314150133697	1	2.15/16 in	355 mm	35 mm	95 mm	4200 g
315Z-3	7314150133703	1	3 mm	406 mm	45 mm	124 mm	6900 g
315Z-3.1/8	7314150133840	1	3.1/8 in	406 mm	45 mm	126 mm	6800 g





SPANNERS AND WRENCHES

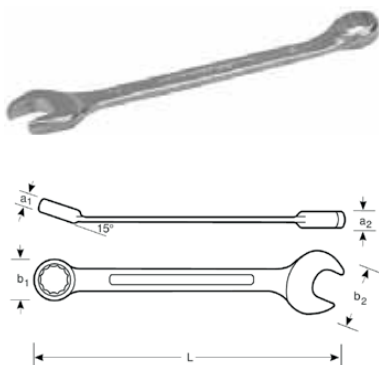


111M

Metric Flat Combination Wrenches with Chrome Finish



- Open end angle 15° with a slimmer head for improved accessibility
- Ring end angle 15° for knuckle clearance or better grip
- Larger and bi-directional size marking for easy identification
- 12-point Dynamic-Drive™ profile provides longer life for screws and nuts
- Chrome plated micro-matte finishing provides high quality surface
- High-performance alloy steel
- Standards: ISO 691, ISO 7738, ISO 3318, ISO 1711-1 and DIN 3113
- SB: retail pack on a plastic info card

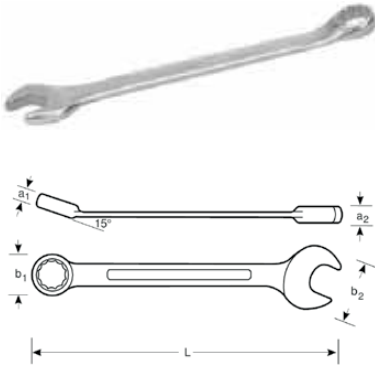


				L	a1	a2	b1	b2	
111M-5.5	7314151828608	10	5.5 mm	112 mm	5 mm	3.7 mm	10 mm	14.3 mm	17 g
111M-6	7314151828615	10	6 mm	112 mm	5 mm	3.7 mm	10 mm	14.3 mm	17 g
111M-7	7314151828622	10	7 mm	120 mm	5.3 mm	3.8 mm	11.7 mm	17.1 mm	21 g
111M-8	7314151828639	10	8 mm	130 mm	5.8 mm	4.2 mm	12.8 mm	19 mm	28 g
111M-9	7314151828646	10	9 mm	136 mm	6.1 mm	4.4 mm	14 mm	21 mm	31 g
111M-10	7314151828653	10	10 mm	144 mm	6.5 mm	5.1 mm	15.7 mm	22.9 mm	42 g
111M-11	7314151828660	10	11 mm	153 mm	6.9 mm	5.4 mm	17.2 mm	25.2 mm	50 g
111M-12	7314151828677	10	12 mm	160 mm	7.1 mm	5.6 mm	18.4 mm	27 mm	60 g
111M-13	7314151828684	10	13 mm	169 mm	7.6 mm	5.8 mm	19.7 mm	29.2 mm	70 g
111M-14	7314151828691	10	14 mm	177 mm	8.2 mm	6.3 mm	21.7 mm	31 mm	85 g
111M-15	7314151828707	10	15 mm	185 mm	8.4 mm	6.7 mm	22.7 mm	33.5 mm	95 g
111M-16	7314151828714	10	16 mm	195 mm	9 mm	7.1 mm	24 mm	35.5 mm	114 g
111M-17	7314151828721	10	17 mm	200 mm	9.6 mm	7.2 mm	25.6 mm	37.5 mm	128 g
111M-18	7314151828738	10	18 mm	208 mm	10 mm	7.5 mm	26.8 mm	39.1 mm	140 g
111M-19	7314151828745	10	19 mm	218 mm	10.9 mm	7.8 mm	28.3 mm	41.3 mm	166 g
111M-20	7314151828752	10	20 mm	240 mm	11.4 mm	7.7 mm	29.8 mm	42 mm	185 g
111M-21	7314151828769	10	21 mm	250 mm	12.2 mm	7.9 mm	32.9 mm	45 mm	210 g
111M-22	7314151828776	5	22 mm	250 mm	12.2 mm	7.9 mm	32.9 mm	45 mm	210 g
111M-23	7314151828783	5	23 mm	280 mm	13.2 mm	8.4 mm	36.1 mm	49 mm	280 g
111M-24	7314151828790	5	24 mm	270 mm	13.2 mm	8.4 mm	36.1 mm	49 mm	280 g
111M-25	7314151828806	5	25 mm	290 mm	14.2 mm	8.9 mm	40 mm	53 mm	345 g
111M-26	7314151828813	5	26 mm	290 mm	14.2 mm	8.9 mm	40 mm	53 mm	345 g
111M-27	7314151828820	5	27 mm	310 mm	14.7 mm	8.9 mm	42 mm	58 mm	392 g
111M-28	7314151828837	5	28 mm	310 mm	14.7 mm	8.9 mm	42 mm	58 mm	392 g
111M-29	7314151828844	5	29 mm	330 mm	15.2 mm	9.5 mm	46.1 mm	60 mm	465 g
111M-30	7314151828851	5	30 mm	330 mm	15.2 mm	9.5 mm	46.1 mm	60 mm	465 g
111M-32	7314151828868	5	32 mm	350 mm	16.2 mm	9.5 mm	49.2 mm	67 mm	550 g
111M-33	7314150222223	5	33 mm	350 mm	16.2 mm	9.5 mm	49.2 mm	67 mm	550 g
111M-34	7314151828875	5	34 mm	350 mm	16.2 mm	9.5 mm	49.2 mm	67 mm	550 g
111M-36	7314150135516	1	36 mm	410 mm	19.4 mm	13.5 mm	53 mm	74 mm	800 g
111M-38	7314150222230	1	38 mm	410 mm	19.4 mm	13.5 mm	53 mm	74 mm	800 g
111M-41	7314150135523	1	41 mm	480 mm	19 mm	14.4 mm	61 mm	87 mm	1160 g
111M-46	7314150135530	1	46 mm	506 mm	20.7 mm	15.6 mm	67.7 mm	95 mm	1700 g
111M-50	7314150135547	1	50 mm	540 mm	22.7 mm	16.7 mm	73 mm	104 mm	2000 g
111M-55	7314150135554	1	55 mm	560 mm	21.5 mm	28 mm	86 mm	118 mm	2800 g
111M-60	7314150135561	1	60 mm	600 mm	23.5 mm	30 mm	94 mm	126 mm	3900 g
111M-65	7314150135578	1	65 mm	680 mm	25 mm	32 mm	108 mm	148 mm	5800 g
111M-70	7314150135585	1	70 mm	680 mm	25 mm	32 mm	108 mm	148 mm	5800 g
111M-75	7314150135592	1	75 mm	730 mm	25 mm	35 mm	115 mm	155 mm	6500 g
111M-80	7314150135608	1	80 mm	730 mm	25 mm	35 mm	115 mm	155 mm	6500 g
111M-85	7314150352999	1	85 mm	790 mm	38 mm	30 mm	131 mm	179 mm	10000 g
111M-90	7314150401475	1	90 mm	790 mm	38 mm	30 mm	131 mm	179 mm	10000 g
111M-95	7314150401482	1	95 mm	790 mm	38 mm	30 mm	131 mm	179 mm	10000 g
111M-100	7314150401499	1	100 mm	860 mm	43 mm	32 mm	145 mm	187 mm	12000 g



111Z

Imperial Flat Combination Wrenches with Chrome Finish



- Comfortable to use thanks to the patented U-shaped shank design
- Open end angle 15° with a slimmer head for improved accessibility
- Ring end angle 15° for knuckle clearance or better grip
- Larger and bi-directional size marking for easy identification
- 12-point Dynamic-Drive™ profile provides longer life for screws and nuts
- Chrome plated micro-matte finishing provides high quality surface
- High-performance alloy steel
- Standards: ISO 691, ISO 7738, ISO 3318, ISO 1711-1 and DIN 3113

				L	a1	a2	b1	b2	g
111Z-1/4	7314151828943	5	1/4 in	112 mm	5 mm	3.7 mm	10 mm	14.3 mm	17 g
111Z-5/16	7314151828950	5	5/16 in	130 mm	5.8 mm	4.2 mm	12.8 mm	19 mm	28 g
111Z-3/8	7314151828967	5	3/8 in	144 mm	6.5 mm	5.1 mm	15.7 mm	22.9 mm	42 g
111Z-7/16	7314151828974	5	7/16 in	153 mm	6.9 mm	5.4 mm	17.2 mm	25.2 mm	50 g
111Z-1/2	7314151828981	5	1/2 in	169 mm	7.6 mm	5.8 mm	19.7 mm	29.2 mm	70 g
111Z-9/16	7314151828998	5	9/16 in	177 mm	8.2 mm	6.3 mm	21.7 mm	31 mm	85 g
111Z-5/8	7314151829001	5	5/8 in	195 mm	9 mm	7.1 mm	24 mm	35.5 mm	114 g
111Z-11/16	7314151829018	5	11/16 in	200 mm	9.6 mm	7.2 mm	25.6 mm	37.5 mm	128 g
111Z-3/4	7314151829025	5	3/4 in	218 mm	10.9 mm	7.8 mm	28.3 mm	41.3 mm	166 g
111Z-13/16	7314151829032	5	13/16 in	250 mm	12.2 mm	7.9 mm	32.9 mm	45 mm	210 g
111Z-7/8	7314151829049	5	7/8 in	250 mm	12.2 mm	7.9 mm	32.9 mm	45 mm	210 g
111Z-15/16	7314151829056	3	15/16 in	270 mm	13.2 mm	8.4 mm	36.1 mm	49 mm	280 g
111Z-1	7314151829063	3	1 in	290 mm	14.2 mm	8.9 mm	40 mm	53 mm	345 g
111Z-1 1/16	7314151829070	5	1 1/16 in	310 mm	14.7 mm	8.9 mm	42 mm	58 mm	392 g
111Z-1 1/8	7314151829087	5	1 1/8 in	310 mm	14.7 mm	8.9 mm	42 mm	58 mm	392 g
111Z-1 1/4	7314151829094	5	1 1/4 in	350 mm	16.2 mm	9.5 mm	49.2 mm	67 mm	550 g
111Z-1 5/16	7314151829100	5	1 5/16 in	350 mm	16.2 mm	9.5 mm	49.2 mm	67 mm	550 g
111Z-1 3/8	7314150135738	1	1 3/8 in	410 mm	19.4 mm	13.5 mm	53 mm	74 mm	787 g
111Z-1 7/16	7314150135745	1	1 7/16 in	410 mm	19.4 mm	13.5 mm	53 mm	74 mm	787 g
111Z-1 1/2	7314150135752	1	1 1/2 in	410 mm	19.4 mm	13.5 mm	53 mm	74 mm	787 g
111Z-1 5/8	7314150135769	1	1 5/8 in	460 mm	21.6 mm	16 mm	61 mm	84 mm	1160 g
111Z-1 11/16	7314150135615	1	1 11/16 in	460 mm	21.6 mm	16 mm	61 mm	84 mm	1160 g
111Z-1 3/4	7314150135622	1	1 3/4 in	500 mm	23 mm	17 mm	66 mm	92 mm	1700 g
111Z-1 13/16	7314150135639	1	1 13/16 in	500 mm	23 mm	17 mm	66 mm	92 mm	1700 g
111Z-1 7/8	7314150135646	1	1 7/8 in	540 mm	24.6 mm	18 mm	73 mm	102 mm	2000 g
111Z-2	7314150135653	1	2 in	540 mm	24.6 mm	18 mm	73 mm	102 mm	2000 g
111Z-2 1/8	7314150135677	1	2 1/8 in	560 mm	21.5 mm	28 mm	86 mm	118 mm	2800 g
111Z-2 1/4	7314150135691	1	2 1/4 in	600 mm	23.5 mm	30 mm	94 mm	126 mm	3900 g
111Z-2 3/8	7314150135707	1	2 3/8 in	600 mm	23.5 mm	30 mm	94 mm	126 mm	3900 g
111Z-2 1/2	7314150135721	1	2 1/2 in	680 mm	25 mm	32 mm	108 mm	148 mm	5800 g
111Z-2 5/8	7314150135776	1	2 5/8 in	680 mm	25 mm	32 mm	108 mm	148 mm	5800 g
111Z-2 3/4	7314150135783	1	2 3/4 in	680 mm	25 mm	32 mm	108 mm	148 mm	5800 g
111Z-2 7/8	7314150135790	1	2 7/8 in	730 mm	25 mm	35 mm	115 mm	155 mm	6500 g
111Z-3	7314150135806	1	3 in	730 mm	25 mm	35 mm	115 mm	155 mm	6500 g

111M/11T

Metric Flat Combination Wrench Set - 11 Pcs/Pouch



- Set includes 11 pieces: 8, 9, 10, 11, 12, 13, 14, 15, 17, 19 and 22 mm
- Metric sizes
- Patented U-shaped shank design
- Open end angle 15° with a slimmer head for improved accessibility
- Larger and bi-directional size marking for easy identification
- 12-point Dynamic-Drive™ profile provides longer life for screws and nuts
- Chrome plated micro-matte finishing provides high quality surface
- High-performance alloy steel
- Standards: ISO 691, ISO 7738, ISO 3318, ISO 1711-1 and DIN 3113
- Available in black plastic pouch

111M/11T	7314151828899	1	11						740 g

111M-8, 111M-9, 111M-10, 111M-11, 111M-12, 111M-13, 111M-14, 111M-15, 111M-17, 111M-19, 111M-22





111M/14T

Metric Flat Combination Wrench Set - 14 Pcs/Pouch

- Set includes 14 pieces: 6, 8, 9, 10, 13, 14, 15, 17, 19, 22, 24, 27, 30 and 32 mm
- Metric sizes
- Patented U-shaped shank design
- Open end angle 15° with a slimmer head for improved accessibility
- Larger and bi-directional size marking for easy identification
- 12-point Dynamic-Drive™ profile provides longer life for screws and nuts
- Chrome plated micro-matte finishing provides high quality surface
- High-performance alloy steel
- Standards: ISO 691, ISO 7738, ISO 3318, ISO 1711-1 and DIN 3113

111M/14T	7314151828905	1	14	2270 g

111M-6, 111M-8, 111M-9, 111M-10, 111M-13, 111M-14, 111M-15, 111M-17, 111M-19, 111M-22, 111M-24, 111M-27, 111M-30, 111M-32



111M/17T

Metric Flat Combination Wrench Set 6-22 mm - 17 Pcs/Pouch

- Set includes 17 pieces: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21 and 22 mm
- Metric sizes
- Patented U-shaped shank design
- Open end angle 15° with a slimmer head for improved accessibility
- Larger and bi-directional size marking for easy identification
- 12-point Dynamic-Drive™ profile provides longer life for screws and nuts
- Chrome plated micro-matte finishing provides high quality surface
- High-performance alloy steel
- Standards: ISO 691, ISO 7738, ISO 3318, ISO 1711-1 and DIN 3113
- Available in black plastic pouch

111M/17T	7314151828912	1	17	1615 g

111M-6, 111M-7, 111M-8, 111M-9, 111M-10, 111M-11, 111M-12, 111M-13, 111M-14, 111M-15, 111M-16, 111M-17, 111M-18, 111M-19, 111M-20, 111M-21, 111M-22



111M/17TL

Metric Flat Combination Wrench Set 8-32 mm - 17 Pcs/Pouch

- Set includes 17 pieces: 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 19, 22, 24, 26, 27, 30 and 32 mm
- Metric sizes
- Patented U-shaped shank design
- Open end angle 15° with a slimmer head for improved accessibility
- Larger and bi-directional size marking for easy identification
- 12-point Dynamic-Drive™ profile provides longer life for screws and nuts
- Chrome plated micro-matte finishing provides high quality surface
- High-performance alloy steel
- Standards: ISO 691, ISO 7738, ISO 3318, ISO 1711-1 and DIN 3113
- Available in black plastic pouch

111M/17TL	7314150197859	1	17	3430 g

111M-8, 111M-9, 111M-10, 111M-11, 111M-12, 111M-13, 111M-14, 111M-15, 111M-16, 111M-18, 111M-19, 111M-22, 111M-24, 111M-26, 111M-27, 111M-30, 111M-32





111M/26T

Metric Flat Combination Wrench Set - 26 Pcs/Pouch

- Set includes 26 pieces: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 and 32 mm
- Metric sizes
- Patented U-shaped shank design
- Open end angle 15° with a slimmer head for improved accessibility
- Larger and bi-directional size marking for easy identification
- 12-point Dynamic-Drive™ profile provides longer life for screws and nuts
- Chrome plated micro-matte finishing provides high quality surface
- High-performance alloy steel
- Standards: ISO 691, ISO 7738, ISO 3318, ISO 1711-1 and DIN 3113
- Available in black plastic pouch

111M/26T	7314151828929	1	26	4355 g

111M-6, 111M-7, 111M-8, 111M-9, 111M-10, 111M-11, 111M-12, 111M-13, 111M-14, 111M-15, 111M-16, 111M-17, 111M-18, 111M-19, 111M-20, 111M-21, 111M-22, 111M-23, 111M-24, 111M-25, 111M-26, 111M-27, 111M-28, 111M-29, 111M-30, 111M-32



111Z/11T

Imperial Flat Combination Wrench Set - 11 Pcs/Black Plastic Pouch

- Patented U-shaped design
- Open end angle 15° with a slimmer head for improved accessibility
- Ring end angle 15° for knuckle clearance or better grip
- Larger and bi-directional size marking for easy identification
- 12-point Dynamic-Drive™ profile provides longer life for screws and nuts
- Chrome plated micro-matte finishing provides high quality surface
- High-performance alloy steel
- Standards: ISO 691, ISO 7738, ISO 3318, ISO 1711-1 and DIN 3113
- Available in black plastic pouch

111Z/11T	7314151829124	1	11	1660 g

111Z-3/8, 111Z-7/16, 111Z-1/2, 111Z-9/16, 111Z-5/8, 111Z-11/16, 111Z-3/4, 111Z-13/16, 111Z-7/8, 111Z-15/16, 111Z-1



111Z/

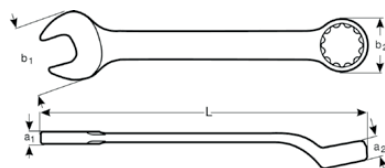
Imperial Flat Combination Wrench Set - 8 Pcs/Black Plastic Pouch

- Patented U-shaped design
- Open end angle 15° with a slimmer head for improved accessibility
- Ring end angle 15° for knuckle clearance or better grip
- Larger and bi-directional size marking for easy identification
- 12-point Dynamic-Drive™ profile provides longer life for screws and nuts
- Chrome plated micro-matte finishing provides high quality surface
- High-performance alloy steel
- Standards: ISO 691, ISO 7738, ISO 3318, ISO 1711-1 and DIN 3113
- Available in black plastic pouch

111Z/8T	7314151829117	1	8	660 g

111Z-3/8, 111Z-7/16, 111Z-1/2, 111Z-9/16, 111Z-5/8, 111Z-11/16, 111Z-3/4, 111Z-7/8





1952M

Metric Offset Combination Wrenches with Chrome Finish



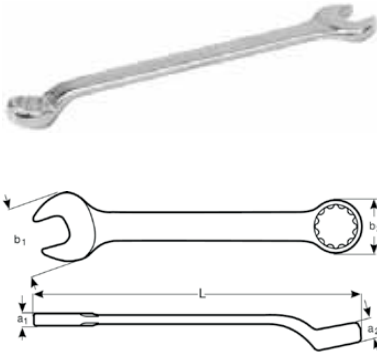
- Open end angle 15° with a slimmer head for improved accessibility
- Ring end angle 15° for knuckle clearance or better grip
- 12-point Dynamic-Drive™ profile provides longer life for screws and nuts
- Chrome plated micro-matte finishing provides high quality surface
- High-performance alloy steel
- Standards: ISO 691, ISO 7738, ISO 3318, ISO 1711-1 and DIN 3113
- SB: Retail pack on a plastic info card

				L	a1	a2	b1	b2	
1952M-6	7314151057176	10	6 mm	110 mm	3.8 mm	5.6 mm	16 mm	10.4 mm	15 g
1952M-7	7314151057183	10	7 mm	120 mm	4 mm	6.2 mm	18 mm	11.8 mm	20 g
1952M-8	7314151057190	10	8 mm	130 mm	4.2 mm	6.7 mm	20 mm	13.2 mm	29 g
1952M-9	7314151057206	10	9 mm	140 mm	4.4 mm	7.3 mm	22 mm	14.6 mm	35 g
1952M-10	7314151057213	10	10 mm	150 mm	4.6 mm	7.8 mm	24 mm	16 mm	45 g
1952M-11	7314151057220	10	11 mm	160 mm	4.8 mm	8.4 mm	26 mm	17.2 mm	52 g
1952M-12	7314151057237	10	12 mm	167 mm	5 mm	9 mm	28 mm	18.7 mm	65 g
1952M-13	7314151057244	10	13 mm	175 mm	5.4 mm	9.6 mm	30 mm	20 mm	77 g
1952M-14	7314151057251	10	14 mm	185 mm	5.8 mm	10.2 mm	32 mm	21.7 mm	85 g
1952M-15	7314151057268	10	15 mm	195 mm	6.2 mm	10.8 mm	34 mm	23 mm	110 g
1952M-16	7314151057275	10	16 mm	210 mm	6.6 mm	11.4 mm	36 mm	24.5 mm	125 g
1952M-17	7314151057282	10	17 mm	225 mm	7 mm	12 mm	38 mm	26 mm	144 g
1952M-18	7314151057299	10	18 mm	237 mm	7.4 mm	12.4 mm	40 mm	27.5 mm	180 g
1952M-19	7314151057305	10	19 mm	250 mm	7.8 mm	13 mm	42 mm	29 mm	201 g
1952M-20	7314151057312	10	20 mm	267 mm	8.2 mm	13.2 mm	44 mm	30.5 mm	240 g
1952M-21	7314151057329	10	21 mm	283 mm	8.6 mm	13.8 mm	46 mm	32 mm	268 g
1952M-22	7314151057336	5	22 mm	295 mm	9.1 mm	14.6 mm	48 mm	35 mm	300 g
1952M-23	7314151057343	5	23 mm	295 mm	9.1 mm	14.6 mm	48 mm	35 mm	300 g
1952M-24	7314151057350	5	24 mm	329 mm	9.4 mm	15.4 mm	52 mm	38 mm	375 g
1952M-25	7314151057367	5	25 mm	329 mm	9.4 mm	15.4 mm	52 mm	38 mm	375 g
1952M-26	7314151057374	5	26 mm	360 mm	10.2 mm	16.8 mm	58 mm	41.5 mm	510 g
1952M-27	7314151057381	5	27 mm	360 mm	10.2 mm	16.8 mm	58 mm	41.5 mm	510 g
1952M-28	7314151057398	1	28 mm	360 mm	10.2 mm	16.8 mm	58 mm	41.5 mm	510 g
1952M-29	7314151325763	1	29 mm	394 mm	11 mm	18.2 mm	64 mm	44.5 mm	650 g
1952M-30	7314151057404	1	30 mm	394 mm	11 mm	18.2 mm	64 mm	44.5 mm	650 g
1952M-32	7314151057411	1	32 mm	435 mm	11.8 mm	19.7 mm	66 mm	47.5 mm	820 g
1952M-34	7314151838553	1	34 mm	468 mm	12.6 mm	21.2 mm	76 mm	53 mm	1060 g
1952M-36	7314151057428	1	36 mm	468 mm	12.6 mm	21.2 mm	76 mm	53 mm	1060 g
1952M-41	7314151057435	1	41 mm	510 mm	13.6 mm	22.7 mm	86 mm	61 mm	1345 g
1952M-46	7314151840105	1	46 mm	520 mm	15.4 mm	25.4 mm	93.5 mm	67 mm	1750 g
1952M-50	7314151840112	1	50 mm	560 mm	16.3 mm	26.2 mm	104.4 mm	74.9 mm	2200 g
1952M-55	7314151840129	1	55 mm	570 mm	19.1 mm	28.6 mm	113.3 mm	82.7 mm	3200 g
1952M-60	7314151840136	1	60 mm	660 mm	20 mm	31 mm	123 mm	90 mm	3600 g
1952M-65	7314150135226	1	65 mm	710 mm	22 mm	33 mm	133 mm	98 mm	4500 g
1952M-70	7314150135301	1	70 mm	760 mm	24 mm	35 mm	143 mm	105 mm	5600 g
1952M-75	7314150135325	1	75 mm	810 mm	26 mm	38 mm	153 mm	110 mm	6780 g
1952M-80	7314150135509	1	80 mm	860 mm	28 mm	41 mm	163 mm	119 mm	8780 g



1952Z

Imperial Offset Combination Wrenches with Chrome Finish



- Open end angle 15° with a slimmer head for improved accessibility
- Ring end angle 15° offset for knuckle clearance or better grip
- SB: retail pack on a plastic info card
- 12-point Dynamic-Drive™ profile provides longer life for screws and nuts
- Chrome plated micro-matte finishing provides high quality surface
- High-performance alloy steel
- Standards: ISO 691, ISO 7738, ISO 3318, ISO 1711-1 and DIN 3113

				L	a1	a2	b1	b2	g
1952Z-1/4	7314151057480	5	1/4 in	95 mm	4.5 mm	3.7 mm	9.5 mm	14 mm	15 g
1952Z-5/16	7314151057497	5	5/16 in	115 mm	5.5 mm	4.2 mm	12.2 mm	18 mm	23 g
1952Z-11/32	7314150111046	5	11/32 in	125 mm	6.0 mm	4.5 mm	13.2 mm	20 mm	30 g
1952Z-3/8	7314151057503	5	3/8 in	125 mm	6.0 mm	4.5 mm	13.2 mm	20 mm	30 g
1952Z-7/16	7314151057510	5	7/16 in	145 mm	7.0 mm	5 mm	16.2 mm	24 mm	49 g
1952Z-1/2	7314151057527	5	1/2 in	170 mm	8.0 mm	5.6 mm	19 mm	28.5 mm	68 g
1952Z-9/16	7314151057534	5	9/16 in	185 mm	8.5 mm	6 mm	20.5 mm	31 mm	80 g
1952Z-5/8	7314151057541	5	5/8 in	205 mm	9.8 mm	6.5 mm	23.5 mm	35 mm	110 g
1952Z-11/16	7314151057558	5	11/16 in	220 mm	10.6 mm	7 mm	24.5 mm	37 mm	135 g
1952Z-3/4	7314151057565	5	3/4 in	245 mm	12.2 mm	7.5 mm	27 mm	41.5 mm	195 g
1952Z-13/16	7314151057572	5	13/16 in	265 mm	13.0 mm	8 mm	28.5 mm	43.5 mm	217 g
1952Z-7/8	7314151057589	5	7/8 in	265 mm	13.5 mm	8.5 mm	32 mm	48 mm	305 g
1952Z-15/16	7314151057596	5	15/16 in	300 mm	14.5 mm	9 mm	34.5 mm	52 mm	375 g
1952Z-1	7314151057602	1	1 in	330 mm	15.5 mm	9.5 mm	36 mm	54.5 mm	400 g
1952Z-1 1/16	7314151057619	1	1 1/16 in	330 mm	16.5 mm	10 mm	38.5 mm	59 mm	590 g
1952Z-1 1/8	7314151057626	1	1 1/8 in	370 mm	17.0 mm	10 mm	40 mm	61 mm	700 g
1952Z-1 1/4	7314151057633	1	1 1/4 in	390 mm	19.0 mm	11.5 mm	45.5 mm	68 mm	745 g
1952Z-1 5/16	7314151057718	1	1 5/16 in	415 mm	20.0 mm	12 mm	48 mm	72 mm	800 g
1952Z-1 3/8	7314151057732	1	1 3/8 in	415 mm	20.0 mm	12 mm	48 mm	72 mm	800 g
1952Z-1 7/16	7314151057749	1	1 7/16 in	435 mm	21.0 mm	13.5 mm	52 mm	78 mm	990 g
1952Z-1 1/2	7314151057756	1	1 1/2 in	435 mm	21.0 mm	13.5 mm	52 mm	78 mm	990 g
1952Z-1 5/8	7314151057763	1	1 5/8 in	495 mm	24.4 mm	14.4 mm	61.5 mm	86.7 mm	1350 g

1952M/14T

Metric Offset Combination Wrench Set - 14 Pcs/Pouch



- Open end angle 15° with a slimmer head for improved accessibility
- Ring end angle 15° offset for knuckle clearance or better grip
- 12-point Dynamic-Drive™ profile provides longer life for screws and nuts
- Chrome plated micro-matte finishing provides high quality surface
- High-performance alloy steel
- Standards: ISO 691, ISO 7738, ISO 3318, ISO 1711-1 and DIN 3113
- Available in black plastic pouch

1952M/14T	7314151057695	1	14		3500 g

1952M-6, 1952M-8, 1952M-9, 1952M-10, 1952M-13, 1952M-14, 1952M-15, 1952M-17, 1952M-19, 1952M-22, 1952M-24, 1952M-27, 1952M-30, 1952M-32





1952M/17T

Metric Offset Combination Wrench Set - 17 Pcs/Pouch

- Open end angle 15° with a slimmer head for improved accessibility
- Ring end angle 15° offset for knuckle clearance or better grip
- 12-point Dynamic-Drive™ profile provides longer life for screws and nuts
- Chrome plated micro-matte finishing provides high quality surface
- High-performance alloy steel
- Standards: ISO 691, ISO 7738, ISO 3318, ISO 1711-1 and DIN 3113
- Available in black plastic pouch

1952M/17T	7314151057473	1	17	1900 g

1952M-6, 1952M-7, 1952M-8, 1952M-9, 1952M-10, 1952M-11, 1952M-12, 1952M-13, 1952M-14, 1952M-15, 1952M-16, 1952M-17, 1952M-18, 1952M-19, 1952M-20, 1952M-21, 1952M-22



1952M/26T

Metric Offset Combination Wrench Set - 26 Pcs/Pouch

- Open end angle 15° with a slimmer head for improved accessibility
- Ring end angle 15° offset for knuckle clearance or better grip
- 12-point Dynamic-Drive™ profile provides longer life for screws and nuts
- Chrome plated micro-matte finishing provides high quality surface
- High-performance alloy steel
- Standards: ISO 691, ISO 7738, ISO 3318, ISO 1711-1 and DIN 3113
- Available in black plastic pouch

1952M/26T	7314151057701	1	26	7000 g

1952M-6, 1952M-7, 1952M-8, 1952M-9, 1952M-10, 1952M-11, 1952M-12, 1952M-13, 1952M-14, 1952M-15, 1952M-16, 1952M-17, 1952M-18, 1952M-19, 1952M-20, 1952M-21, 1952M-22, 1952M-23, 1952M-24, 1952M-25, 1952M-26, 1952M-27, 1952M-28, 1952M-29, 1952M-30, 1952M-32



1952M/T

Metric Offset Combination Wrench Set - 7 Pcs/Pouch

- Open end angle 15° with a slimmer head for improved accessibility
- Ring end angle 15° offset for knuckle clearance or better grip
- 12-point Dynamic-Drive™ profile provides longer life for screws and nuts
- Chrome plated micro-matte finishing provides high quality surface
- High-performance alloy steel
- Standards: ISO 691, ISO 7738, ISO 3318, ISO 1711-1 and DIN 3113
- Available in black plastic pouch

1952M/T	7314151806637	1	7	820 g

1952M-8, 1952M-10, 1952M-13, 1952M-14, 1952M-17, 1952M-19, 1952M-22





1952Z/T

Imperial Offset Combination Wrench Set

- Set includes 11 pieces: 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16 and 7/8"
- Open end angle 15° with a slimmer head for improved accessibility
- Ring end angle 15° offset for knuckle clearance or better grip
- 12-point Dynamic-Drive™ profile provides longer life for screws and nuts
- Chrome plated micro-matte finishing provides high quality surface
- High-performance alloy steel
- Standards: ISO 691, ISO 7738, ISO 3318, ISO 1711-1 and DIN 3113
- Available in black plastic pouch

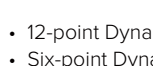


1952Z/11T	7314151057725	1	11	1500 g

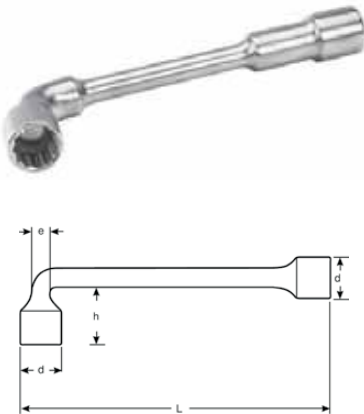
1952Z-1/4, 1952Z-5/16, 1952Z-3/8, 1952Z-7/16, 1952Z-1/2, 1952Z-9/16, 1952Z-5/8, 1952Z-11/16, 1952Z-3/4, 1952Z-13/16, 1952Z-7/8

28M

Metric Double Head Offset Socket Wrenches with 12 x 6-Point Dynamic-Drive™



- 12-point Dynamic-Drive™ profile in offset ring
- Six-point Dynamic-Drive™ profile in straight ring
- Pass-through in offset and deep socket in straight side to use even for long thread bar
- Chrome plated micro-matte finishing provides high quality surface
- High-performance alloy steel
- Standard: ISO 2236



				L	h	d	e	
28M-6	7314151834630	5	6 mm	95 mm	17 mm	10 mm	5 mm	22 g
28M-7	7314151834647	5	7 mm	100 mm	19 mm	11 mm	5 mm	35 g
28M-8	7314151834654	5	8 mm	110 mm	24 mm	12 mm	7 mm	40 g
28M-9	7314151834661	5	9 mm	115 mm	25 mm	13 mm	7 mm	60 g
28M-10	7314151834678	5	10 mm	125 mm	27 mm	14.5 mm	7 mm	80 g
28M-11	7314151834685	5	11 mm	130 mm	29 mm	16.5 mm	8 mm	100 g
28M-12	7314151834692	5	12 mm	145 mm	31 mm	17.5 mm	9 mm	120 g
28M-13	7314151834708	5	13 mm	160 mm	34 mm	19 mm	9 mm	140 g
28M-14	7314151834715	5	14 mm	175 mm	36 mm	20.5 mm	10 mm	160 g
28M-15	7314151834722	5	15 mm	180 mm	38 mm	21.5 mm	10 mm	195 g
28M-16	7314151834739	5	16 mm	190 mm	43 mm	23 mm	13 mm	235 g
28M-17	7314151834746	5	17 mm	195 mm	44 mm	24.5 mm	13 mm	300 g
28M-18	7314151834753	3	18 mm	200 mm	45 mm	25.5 mm	14 mm	370 g
28M-19	7314151834760	3	19 mm	210 mm	48 mm	27 mm	14 mm	405 g
28M-20	7314150122561	3	20 mm	220 mm	50 mm	28 mm	15 mm	435 g
28M-21	7314151834777	3	21 mm	225 mm	51 mm	29.5 mm	15 mm	460 g
28M-22	7314151834784	3	22 mm	235 mm	53 mm	31 mm	16 mm	520 g
28M-23	7314150122578	3	23 mm	245 mm	58 mm	32.5 mm	16 mm	555 g
28M-24	7314151834791	3	24 mm	255 mm	60 mm	33.5 mm	18 mm	640 g
28M-25	7314150122585	3	25 mm	260 mm	58 mm	35 mm	18 mm	755 g
28M-26	7314150122592	3	26 mm	265 mm	58 mm	36.5 mm	20 mm	785 g
28M-27	7314151834807	3	27 mm	275 mm	63 mm	37 mm	20 mm	850 g
28M-28	7314150122608	1	28 mm	285 mm	63 mm	39 mm	22 mm	990 g
28M-29	7314150122615	1	29 mm	295 mm	63 mm	40 mm	22 mm	1100 g
28M-30	7314151834814	1	30 mm	305 mm	75 mm	41 mm	24 mm	1015 g
28M-32	7314151834821	1	32 mm	330 mm	75 mm	44 mm	24 mm	1115 g

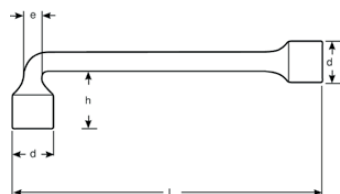


29M

Metric Double Head Offset Socket Wrenches with 6 x 6-Point Dynamic-Drive™



- 6-point Dynamic-Drive™ profile in offset ring
- 6-point Dynamic-Drive™ profile in straight ring
- Pass-through in offset and deep socket in straight side to use even for long thread bar
- Chrome plated micro-matte finishing provides high quality surface
- High-performance alloy steel
- Standard: ISO 2236



				L	h	d	e	
29M-6	7314150122271	5	6 mm	97 mm	17 mm	10 mm	6 mm	42 g
29M-7	7314150122288	5	7 mm	105 mm	19 mm	11 mm	7 mm	44 g
29M-8	7314150122295	5	8 mm	115 mm	21 mm	12 mm	8 mm	77 g
29M-9	7314150122301	5	9 mm	126 mm	22 mm	13 mm	9 mm	86 g
29M-10	7314150122318	5	10 mm	136 mm	25 mm	15 mm	10 mm	102 g
29M-11	7314150122325	5	11 mm	145 mm	28 mm	16.5 mm	11 mm	116 g
29M-12	7314150122332	5	12 mm	157 mm	29 mm	17.5 mm	12 mm	165 g
29M-13	7314150122349	5	13 mm	168 mm	31 mm	19 mm	13 mm	181 g
29M-14	7314150122356	5	14 mm	178 mm	33 mm	20.5 mm	14 mm	258 g
29M-15	7314150122363	5	15 mm	187 mm	36 mm	21.5 mm	15 mm	276 g
29M-16	7314150122370	5	16 mm	200 mm	38 mm	23 mm	16 mm	370 g
29M-17	7314150122387	5	17 mm	208 mm	40 mm	24.5 mm	17 mm	410 g
29M-18	7314150122394	3	18 mm	220 mm	42 mm	25.5 mm	18 mm	436 g
29M-19	7314150122400	3	19 mm	232 mm	43 mm	27 mm	19 mm	464 g
29M-20	7314150122417	3	20 mm	243 mm	46 mm	28 mm	20 mm	585 g
29M-21	7314150122424	3	21 mm	252 mm	48 mm	29.5 mm	21 mm	644 g
29M-22	7314150122431	3	22 mm	266 mm	50 mm	31 mm	22 mm	695 g
29M-23	7314150122448	3	23 mm	278 mm	52 mm	32.5 mm	23 mm	745 g
29M-24	7314150122455	3	24 mm	288 mm	55 mm	33.5 mm	24 mm	933 g
29M-25	7314150122462	3	25 mm	299 mm	58 mm	35 mm	25 mm	988 g
29M-26	7314150122479	3	26 mm	312 mm	60 mm	36.5 mm	26 mm	1044 g
29M-27	7314150122486	3	27 mm	323 mm	61 mm	37 mm	27 mm	1091 g
29M-28	7314150122493	1	28 mm	334 mm	64 mm	39 mm	28 mm	1318 g
29M-29	7314150122509	1	29 mm	345 mm	66 mm	40 mm	29 mm	1357 g
29M-30	7314150122516	1	30 mm	357 mm	68 mm	41 mm	30 mm	1398 g
29M-32	7314150122523	1	32 mm	381 mm	72 mm	44 mm	32 mm	1606 g





DOUBLE END SPANNER

895M

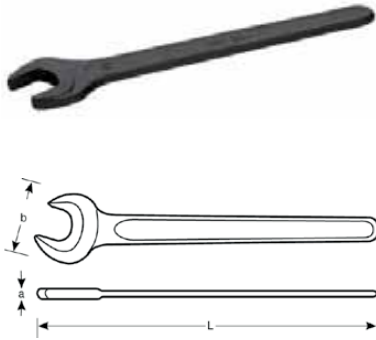
Metric Double Open End Wrenches with Phosphate Finish



- Open end angle of 15°
- Phosphate finish
- Standard alloy steel
- Better accessibility with the slim 15° angled open end
- Optimised legibility and identification with high-clarity imprint
- Standards: ISO 1085 and DIN 895

				L	a	b1	b2	g
895M-6-7	7314151832711	10	6x7 mm	96 mm	3.2 mm	14 mm	16 mm	13 g
895M-8-9	7314151832728	10	8x9 mm	109 mm	4.0 mm	18 mm	20 mm	20 g
895M-8-10	7314151832735	10	8x10 mm	115 mm	4.5 mm	18 mm	22 mm	26 g
895M-10-11	7314151832742	10	10x11 mm	124 mm	5.0 mm	22 mm	24 mm	32 g
895M-10-13	7314151832759	10	10x13 mm	110 mm	5.5 mm	22 mm	28 mm	37 g
895M-13-17	7314151832803	10	13x17 mm	155 mm	6.0 mm	30 mm	36 mm	64 g
895M-17-19	7314151832827	10	17x19 mm	172 mm	7.0 mm	36 mm	40 mm	99 g
895M-19-22	7314151832834	10	19x22 mm	195 mm	8.0 mm	40 mm	46 mm	140 g
895M-19-24	7314151832841	5	19x24 mm	206 mm	8.5 mm	40 mm	50 mm	170 g
895M-22-24	7314151832858	5	22x24 mm	220 mm	9.0 mm	46 mm	50 mm	186 g
895M-24-27	7314151832865	5	24x27 mm	244 mm	10.0 mm	50 mm	56 mm	250 g
895M-24-30	7314151832872	5	24x30 mm	265 mm	11.0 mm	56 mm	67 mm	385 g
895M-27-32	7314151832889	5	27x32 mm	270 mm	12.0 mm	60 mm	67 mm	385 g
895M-30-32	7314151832896	5	30x32 mm	275 mm	12.0 mm	62 mm	67 mm	405 g
895M-30-36	7314151832902	1	30x36 mm	305 mm	13.0 mm	62 mm	75 mm	500 g
895M-32-36	7314151832919	1	32x36 mm	307 mm	13.0 mm	67 mm	75 mm	530 g
895M-36-41	7314151832926	1	36x41 mm	345 mm	14.0 mm	75 mm	85 mm	740 g
895M-41-46	7314151832933	1	41x46 mm	381 mm	15.0 mm	85 mm	93 mm	955 g
895M-46-50	7314151832940	1	46x50 mm	420 mm	16.0 mm	95 mm	103 mm	1180 g
895M-50-55	7314151832957	1	50x55 mm	460 mm	17.0 mm	103 mm	113 mm	1590 g
895M-55-60	7314151832964	1	55x60 mm	500 mm	18.0 mm	112 mm	122 mm	1950 g
895M-65-70	7314151832971	1	65x70 mm	580 mm	20.0 mm	132 mm	142 mm	2930 g



**894M****Metric Single Open End Wrenches with Phosphate Finish**

- Single open end wrench
- Open end angle of 15°
- Phosphate finish
- Standard alloy steel
- Standards: ISO 3318 and DIN 894

				L	a	b	g
894M-7	7314151833008	10	7 mm	78 mm	3.2 mm	16 mm	10 g
894M-8	7314151833015	10	8 mm	94 mm	3.5 mm	18 mm	14 g
894M-9	7314151833022	10	9 mm	100 mm	4 mm	20 mm	16 g
894M-10	7314151833039	10	10 mm	106 mm	4.5 mm	22 mm	20 g
894M-11	7314151833046	10	11 mm	112 mm	5 mm	24 mm	23 g
894M-12	7314151833053	10	12 mm	125 mm	5 mm	26 mm	30 g
894M-13	7314151833060	10	13 mm	125 mm	5 mm	29 mm	40 g
894M-14	7314151833077	10	14 mm	140 mm	5.5 mm	30 mm	40 g
894M-15	7314151833084	10	15 mm	140 mm	5.5 mm	32 mm	49 g
894M-17	7314151833091	10	17 mm	158 mm	6 mm	36 mm	55 g
894M-19	7314151833107	10	19 mm	171 mm	7 mm	40 mm	75 g
894M-21	7314150223220	5	21 mm	195 mm	7.5 mm	45 mm	90 g
894M-22	7314151833114	5	22 mm	195 mm	8 mm	46 mm	100 g
894M-24	7314151833121	5	24 mm	216 mm	9 mm	50 mm	150 g
894M-27	7314151833138	5	27 mm	240 mm	10 mm	56 mm	215 g
894M-30	7314151833145	5	30 mm	262 mm	11 mm	62 mm	270 g
894M-32	7314151833152	5	32 mm	274 mm	12 mm	67 mm	320 g
894M-34	7314150139583	1	34 mm	274 mm	12 mm	67 mm	320 g
894M-36	7314151833169	5	36 mm	303 mm	13 mm	74 mm	400 g
894M-38	7314151833176	1	38 mm	305 mm	13 mm	78 mm	420 g
894M-41	7314151833183	1	41 mm	343 mm	14 mm	85 mm	590 g
894M-46	7314151833190	1	46 mm	378 mm	15 mm	94 mm	750 g
894M-50	7314151833206	1	50 mm	413 mm	16 mm	102 mm	945 g
894M-55	7314151833213	1	55 mm	457 mm	17 mm	113 mm	1185 g
894M-60	7314151833220	1	60 mm	492 mm	18 mm	122 mm	1380 g
894M-65	7314151833237	1	65 mm	528 mm	19 mm	132 mm	1750 g
894M-70	7314151833244	1	70 mm	573 mm	20 mm	142 mm	2270 g
894M-75	7314151833251	1	75 mm	608 mm	21 mm	152 mm	2770 g
894M-80	7314151833268	1	80 mm	644 mm	22 mm	162 mm	3180 g
894M-85	7314151833275	1	85 mm	690 mm	23 mm	174 mm	3630 g
894M-90	7314151833282	1	90 mm	690 mm	25 mm	174 mm	3630 g
894M-95	7314151833299	1	95 mm	850 mm	25 mm	195 mm	5750 g
894M-100	7314151833305	1	100 mm	850 mm	28 mm	195 mm	5530 g
894M-105	7314151833312	1	105 mm	1000 mm	28 mm	215 mm	7300 g
894M-110	7314151833329	1	110 mm	1000 mm	28 mm	215 mm	7300 g
894M-115	7314151833336	1	115 mm	1000 mm	28 mm	215 mm	7300 g
894M-120	7314151833343	1	120 mm	1000 mm	28 mm	215 mm	7300 g
894M-125	7314150132478	1	125 mm	1000 mm	28 mm	225 mm	7300 g
894M-130	7314150132485	1	130 mm	1000 mm	28 mm	225 mm	7600 g
894M-135	7314150132492	1	135 mm	1000 mm	28 mm	225 mm	7400 g



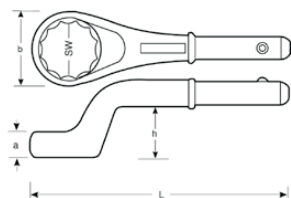
DEEP OFFSET RING END HEAVY DUTY SPANNER / TUBULAR HANDLE

310M

Metric Deep Offset Heavy Duty Ring End Wrenches



- 12-Point profile ring
- Without tubular handle
- Suitable for robust construction and for work under very tough conditions
- High-performance alloy steel



				L	a	b	h	
310M-24	7314151829612	1	24 mm	180 mm	17 mm	38 mm	29.5 mm	380 g
310M-27	7314151829629	1	27 mm	190 mm	17 mm	41 mm	31.5 mm	410 g
310M-30	7314151829636	1	30 mm	200 mm	18 mm	48 mm	33.5 mm	510 g
310M-32	7314151829643	1	32 mm	235 mm	18 mm	49 mm	34 mm	740 g
310M-36	7314151829650	1	36 mm	245 mm	20 mm	54 mm	35.5 mm	780 g
310M-38	7314151829667	1	38 mm	250 mm	21 mm	56 mm	37.5 mm	860 g
310M-41	7314151829674	1	41 mm	265 mm	22 mm	62 mm	39.5 mm	980 g
310M-46	7314151829681	1	46 mm	280 mm	23 mm	69 mm	40 mm	1280 g
310M-50	7314151829698	1	50 mm	290 mm	25.5 mm	76 mm	42.5 mm	1400 g
310M-55	7314151829704	1	55 mm	300 mm	28 mm	81 mm	45.5 mm	1570 g
310M-60	7314151829711	1	60 mm	345 mm	30.5 mm	90 mm	49 mm	2340 g
310M-65	7314151829728	1	65 mm	355 mm	33 mm	98 mm	53 mm	2580 g
310M-70	7314151829735	1	70 mm	365 mm	35.5 mm	105 mm	55 mm	2800 g
310M-75	7314151829742	1	75 mm	375 mm	38 mm	110 mm	57.5 mm	3050 g
310M-80	7314151829759	1	80 mm	385 mm	40.5 mm	125 mm	59 mm	3900 g
310M-85	7314151829766	1	85 mm	385 mm	40.5 mm	125 mm	59 mm	3900 g
310M-90	7314151829773	1	90 mm	410 mm	45 mm	140 mm	63 mm	5000 g
310M-95	7314151829780	1	95 mm	410 mm	45 mm	140 mm	63 mm	5000 g

R310

Extension Tubular Handles for 310M Ring Wrench

- Tubular handle to be used together with the ring wrench 310M
- Zinc finish
- High-performance alloy steel



R310-0	7314151829797	1	19 mm	24-30 mm	460 mm	595 g
R310-1	7314151829803	1	22 mm	32-41 mm	610 mm	1110 g
R310-2	7314151829810	1	25 mm	46-55 mm	760 mm	2150 g
R310-3	7314151829827	1	30 mm	60-95 mm	860 mm	2900 g

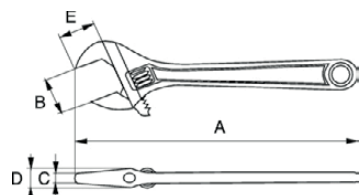


ADJUSTABLE WRENCHES



80

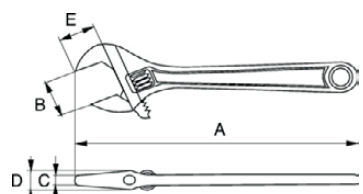
Central Nut Adjustable Wrenches with Phosphate Finish



- Jaw does not fall out even at maximum opening of the wrench
- Head combines slim design for accessibility with strength for performance
- Laser scale in mm for pre-adjusting and accurate measurement
- Wide handle for comfort in use
- Accurate jaw movement
- High performance alloy steel forged in single piece
- Phosphate finish, precision-hardened and anti-corrosion treated
- Left turning screw
- Standards: ISO 6787, DIN 3117, ASME B107.8 and BS 6333
- IP: Industrial pack

			A	A	B	C	D	E	g
8069	7314150007028	5	110 mm	4 in	13 mm	4 mm	9 mm	13 mm	60 g
8070	7314150007110	5	155 mm	6 in	20 mm	5.3 mm	11.5 mm	19 mm	135 g
8071	7314150007202	5	205 mm	8 in	27 mm	6 mm	13 mm	24 mm	255 g
8072	7314150007288	5	255 mm	10 in	31 mm	8.6 mm	15.5 mm	29 mm	400 g
8073	7314150007363	5	305 mm	12 in	34 mm	11.9 mm	18 mm	34 mm	665 g
8074	7314150007448	3	380 mm	15 in	44 mm	13 mm	21.5 mm	44 mm	1035 g
8075	7314150007523	3	455 mm	18 in	53 mm	17.7 mm	22.5 mm	53 mm	1665 g
8069 IP	7314150007042	50	110 mm	4 in	13 mm	4 mm	9 mm	13 mm	60 g
8070 IP	7314150007134	40	155 mm	6 in	20 mm	5.3 mm	11.5 mm	19 mm	135 g
8071 IP	7314150007226	50	205 mm	8 in	27 mm	7.45 mm	14.17 mm	24 mm	255 g
8072 IP	7314150007301	30	255 mm	10 in	31 mm	8.6 mm	15.5 mm	29 mm	400 g
8073 IP	7314150007387	20	305 mm	12 in	34 mm	11.9 mm	18 mm	34 mm	665 g
8074 IP	7314150007462	20	380 mm	15 in	44 mm	13 mm	21.5 mm	44 mm	1035 g
8075 IP	7314150007547	10	455 mm	18 in	53 mm	17.7 mm	22.5 mm	53 mm	1665 g

ergo™



90

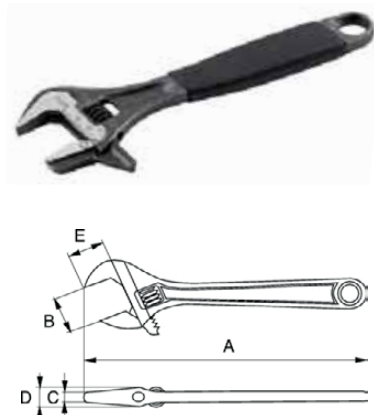
ERGO™ Central Nut Adjustable Wrenches with Rubber Handle and Phosphate Finish

- Adjustable wrenches developed according to the scientific ERGO™ process
- Maximum comfort with minimum effort thanks to ergonomic design
- Jaw will not fall out even at maximum opening of the wrench
- Head combines slim design for accessibility with strength for performance
- Laser scale in mm for pre-adjusting and accurate measurement
- Skydrol- and oil-resistant rubber handle
- Ergonomically designed thermoplastic elastomer handle distributes pressure uniformly in the hand, reducing the risk for work related injuries
- High-performance alloy steel forged in single piece
- Phosphate finish, precision-hardened and anti-corrosion treated
- Left turning screw
- Standards: ISO 6787, DIN 3117, ASME B107.8 and BS 6333

			A	A	B	C	D	E	g
9070	7314150100170	5	158 mm	6 in	20 mm	5.3 mm	11.3 mm	19 mm	139 g
9071	7314150100194	5	208 mm	8 in	27 mm	6 mm	12.9 mm	24 mm	272 g
9072	7314150055609	5	257 mm	10 in	31 mm	8.7 mm	15.5 mm	29 mm	425 g
9073	7314150101702	5	308 mm	12 in	34 mm	11.9 mm	17.6 mm	34 mm	730 g



ergo™

**90P****ERGO™ rubber handle central nut phosphated adjustable wrench, with reversible jaw**

- Adjustable wrenches developed according to the scientific ERGO™ process
- Maximum comfort with minimum effort thanks to ergonomic design
- By removing and turning the reversible jaw, the adjustable wrench can be changed into a pipe wrench
- With the moveable jaw in the normal position it will grip nuts and bolts up to 34 mm
- The toothed jaw is induction hardened and adapts to even the hardest material
- Head combines slim design for accessibility with strength for performance
- Laser scale in mm for pre-adjusting and accurate measurement
- Skydrol- and oil-resistant rubber handle
- Ergonomically designed thermoplastic elastomer handle distributes pressure uniformly in the hand, reducing the risk for work related injuries
- High-performance alloy steel forged in a single piece
- Phosphate finish, precision-hardened and anti-corrosion treated
- Left turning screw
- Standards: ISO 6787, DIN 3117, ASME B107.8 and BS 6333

			A	A	B	C	D	E	
9070 P	7314150103416	5	158 mm	6 in	21 mm	5.3 mm	11.3 mm	19 mm	139 g
9071 P	7314150103430	5	208 mm	8 in	28 mm	6 mm	12.9 mm	24 mm	272 g
9072 P	7314150056354	5	257 mm	10 in	33 mm	8.7 mm	15.5 mm	29 mm	430 g
9073 P	7314150101726	5	308 mm	12 in	35 mm	11.9 mm	17.6 mm	34 mm	745 g

ergo™

**9029-9035****ERGO™ Central Nut Wide Opening Jaw Adjustable Wrenches with Rubber Handle and Phosphate Finish**

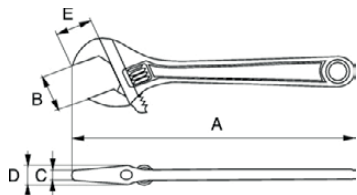
- Adjustable wrenches developed according to the scientific ERGO™ process
- Maximum comfort with minimum effort thanks to ergonomic design
- Extra-wide jaw opening with a shorter handle than a standard wrench offers accessibility to work in confined spaces
- Jaw will not fall out even at maximum opening of the wrench
- Head combines slim design for accessibility with strength for performance
- Laser scale in mm for pre-adjusting and accurate measurement
- Skydrol- and oil-resistant rubber handle
- Ergonomically designed thermoplastic elastomer handle distributes pressure uniformly in the hand, reducing the risk for work related injuries
- High-performance alloy steel forged in single piece
- Phosphate, precision-hardened and anti-corrosion treated
- Left turning screw
- Standards: ISO 6787, DIN 3117, ASME B107.8 and BS 6333

			A	A	B	C	D	E	
9029	7314153010612	5	170 mm	6 in	32 mm	5 mm	12.8 mm	29 mm	220 g
9031	7314150110988	5	218 mm	8 in	38 mm	5 mm	13.4 mm	34 mm	340 g
9033	7314150181414	5	270 mm	10 in	46 mm	8 mm	17.8 mm	41 mm	525 g
9035	7314150181421	5	324 mm	12 in	55 mm	9.5 mm	21.5 mm	50 mm	825 g



90 SERIES PHOSPHATED TWIN JAWS ERGO™ / HEAVY DUTY ADJUSTABLE WRENCH

ergo™



9029-T/9031-T

ERGO™ Central Nut Wide Opening Thin Jaw Adjustable Wrenches with Rubber Handle

- Adjustable wrenches developed according to the scientific ERGO™ process
- Maximum comfort with minimum effort thanks to ergonomic design
- Extra-wide jaw opening with a shorter handle than a standard wrench offers accessibility to work in confined spaces
- Up to 60% thinner jaws than standard wrenches of the same size give greater access in tight spaces
- 40% wider opening compared to a standard adjustable wrench
- Jaw will not fall out even at maximum opening of the wrench
- Laser scale in mm for pre-adjusting and accurate measurement
- Skydrol- and oil-resistant rubber handle
- Ergonomically designed thermoplastic elastomer handle distributes pressure uniformly in the hand, reducing the risk for work related injuries
- High-performance alloy steel forged in single piece
- Phosphate finish, precision-hardened and anti-corrosion treated
- Left turning screw
- Standards: ISO 6787, DIN 3117, ASME B107.8 and BS 6333

			A	A	B	C	D	E	g
9029-T	7314150189076	5	170 mm	6 in	32 mm	4.5 mm	12.8 mm	29 mm	196 g
9031-T	7314150131648	5	218 mm	8 in	38 mm	4.5 mm	13.4 mm	34 mm	325 g

86/87

Standard Central Nut Adjustable Wrenches with Phosphate Finish

- Large size and wide opening
- Head angle 22.5° provides better accessibility
- Laser scale in mm for pre-adjusting and accurate measurement
- High-performance alloy steel forged in single piece
- Phosphate finish, precision-hardened and anti-corrosion treated
- Right turning screw
- Standards: ISO 6787, DIN 3117, ASME B107.8 and BS 6333
- Industrial pack

			A	A	B	C	D	E	g
86	7314150005376	1	614 mm	24 in	63 mm	27.5 mm	29 mm	59 mm	3165 g
87	7314150005406	3	770 mm	30 in	85 mm	31 mm	33 mm	76 mm	5700 g

91C/97C

Side Nut Adjustable Wrenches with Chrome Finish

- Suitable for heavy duty applications
- Smooth movement, heavy-duty performance and precision
- Head angle 15° provides better accessibility
- Laser scale in mm for pre-adjusting and accurate measurement
- Bigger and rounded handles for a comfortable grip
- Chrome plated, precision-hardened and anti-corrosion treated
- High performance alloy steel forged in single piece
- Exceeding quality standards: ISO +125%, ASME +20%
- Standards: ISO 6787, DIN 3117, ASME B107.8 and BS 6333

			A	A	B	C	D	E	g
96C	7314150134120	1	500 mm	20 in	60 mm	17 mm	30 mm	53 mm	2860 g
97C	7314150128211	1	750 mm	30 in	77 mm	23 mm	37 mm	70 mm	5500 g



SCREWDRIVERS



SCREWDRIVERS

ergo®



BE-9881TB

ERGO™ Through Blade Slotted/Phillips/Hex Screwdriver Set with Impact Grip - 6 Pcs



- Includes 6 impact screwdrivers
0.6x3.5x60, 0.8x4.5x100, 1x5.5x100, 1.2x6.5x125 mm, PH1x100, PH2x125 mm
- Screwdriver developed according to the scientific ERGO™ process
- Impact driver set for slotted and Phillips head screws for fastening, loosening and chiselling
- Black oxide tip for higher accuracy
- Three-component handle for maximum user comfort, soft material with ridged surface provides superior grip and greater force transmission
- Maximum comfort with minimum effort thanks to an ergonomic design
- Easy to choose the right tip with the colour-coded handle
- Flat face to prevent rolling away
- Hexagon profile blade and bolster allow the use of a wrench for jobs that require more torque
- The blade continues through the handle with no loss of hammer blow energy. Metallic cap gives protection during jobs requiring high impact
- High-performance alloy steel blade with chrome plating, entirely hardened for high protection against corrosion, long life tool
- In cardboard box

BE-9881TB	7314150275502	1	6	38 x 220 x 365 mm	750 g

BE-8135TB, BE-8145TB, BE-8150TB, BE-8155TB



BE-8610TB, BE-8620TB



ergo®



BE-9877

ERGO™ Slotted/Phillips/Pozidriv/TORX® Screwdriver Set with Rubber Grip - 15 Pcs



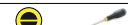
- Includes 15 screwdrivers
0.6x3.5x75, 1.0x5.5x100 mm, PH1x75, PH2x100 mm, PZ1x75, PZ2x100 mm, T10x75, T15x100, T20x100, T25x125 mm; insulated screwdrivers: 0.5x3.0x100, 0.8x4.0x100, 1.0x5.5x125 mm, PH1x80, PH2x100 mm
- Screwdriver developed according to the scientific ERGO™ process
- Black oxide tip for higher accuracy
- Three-component handle for maximum user comfort, soft material with ridged surface provides superior grip and greater force transmission
- Maximum comfort with minimum effort thanks to an ergonomic design
- Easy to choose the right tip with the colour-coded handle and permanent symbol on the domed end
- No colour identification in extra small handle, sizes 3.5 (BE-8030) and 3.0 (BE-8220S)
- Flat face to prevent rolling away
- Integrated hanging hole
- High-performance alloy steel blade with chrome plating, entirely hardened for high protection against corrosion, long life tool
- The insulated screwdrivers included in the set, for work on live equipment, up to 1000 V
- In cardboard box

BE-9877	7314150320745	1	15	50 x 275 x 308 mm	1100 g

BE-8030



BE-8150



BE-8611, BE-8621



BE-8811, BE-8821



BE-8910, BE-8915, BE-8920, BE-8925



BE-8220S, BE-8040S, BE-8050S



BE-8611S, BE-8621S





ergo®

**BE-9881****ERGO™ Slotted/Phillips Screwdriver Set with Rubber Grip - 6 Pcs**

- Includes 6 screwdrivers
0.5x3.0x60, 0.8x4.0x100, 1.0x5.5x100, 1.2x6.5x125 mm, PH1x75, PH2x100 mm
- Screwdriver developed according to the scientific ERGO™ process
- Black oxide tip for higher accuracy
- Three-component handle for maximum user comfort, soft material with ridged surface provides superior grip and greater force transmission
- Maximum comfort with minimum effort thanks to an ergonomic design
- Easy to choose the right tip with the colour-coded handle and permanent symbol on the domed end
- No colour identification in extra small handle, size 3.0 (BE-8020)
- Flat face to prevent rolling away
- Integrated hanging hole
- High-performance alloy steel blade with chrome plating, entirely hardened for high protection against corrosion, long life tool
- In cardboard box

BE-9881	7314150043279	1	6	38 x 220 x 365 mm	450 g

BE-8020, BE-8040



BE-8150, BE-8155



BE-8620, BE-8610



ergo®

**BE-9881S****ERGO™ VDE Insulated Slotted and Phillips Screwdriver Set with 3-Component Handle - 5 Pcs**

- Includes 5 pieces of insulated VDE ERGO™ screwdrivers
0.5x3.0x100, 0.8x4.0x100, 1.0x5.5x125 mm, PH1x80, PH2x100 mm
- For work on live equipment, up to 1000 V, high quality blade insulation moulded directly onto the blade
- Screwdriver developed according to the scientific ERGO™ process
- Black oxide tip for higher accuracy
- Three-component handle for maximum user comfort, soft material with ridged surface provides superior grip and greater force transmission
- Maximum comfort with minimum effort due to the ergonomic design
- Easy to choose the right tip with the colour-coded handle and permanent symbol on the domed end
- No colour identification in extra small handle, size 3.0 (BE-8220S)
- Flat face to prevent it from rolling away
- Integrated hanging hole
- High-performance alloy steel blade
- Blade made of high-performance alloy steel
- Individually inspected and manufactured according to IEC 60900, tested in a water bath at 10000 V
- In cardboard box

BE-9881S	7314151839307	1	5	38 x 175 x 365 mm	450 g

BE-8220S, BE-8040S, BE-8050S



BE-8611S, BE-8621S





SCREWDRIVERS

ergo®



BE-9885TB

ERGO™ Through Blade TORX®/Hex Screwdriver Set with Impact Grip - 5 Pcs



- Includes 5 impact screwdrivers
T15 x100, T20 x100, T25 x100, T30 x150, T40 x150 mm
- Screwdriver developed according to the scientific ERGO™ process
- Impact driver set for TORX® head screws for fastening, loosening and chiselling
- Black oxide tip for higher accuracy
- Three-component handle for maximum user comfort, soft material with ridged surface provides superior grip and greater force transmission
- Maximum comfort with minimum effort thanks to an ergonomic design
- Easy to choose the right tip with the colour-coded handle
- Flat face to prevent rolling away
- Hexagon profile blade and bolster allow the use of a wrench for jobs that require more torque
- The blade continues through the handle with no loss of hammer blow energy. Metallic cap gives protection during jobs requiring high impact
- High-performance alloy steel blade with chrome plating, entirely hardened for high protection against corrosion, long life tool
- In cardboard box

BE-9885TB	7314150275519	1	5	38 x 220 x 365 mm	600 g

BE-8915TB, BE-8920TB, BE-8925TB, BE-8930TB, BE-8940TB



ergo®



BE-9885

ERGO™ TORX® Screwdriver Set with Rubber Grip - 5 Pcs



- Includes 5 screwdrivers
T10, T15, T20, T25, T30
- Screwdriver developed according to the scientific ERGO™ process
- Black oxide tip for higher accuracy
- Three-component handle for maximum user comfort, soft material with ridged surface provides superior grip and greater force transmission
- Maximum comfort with minimum effort thanks to an ergonomic design
- Easy to choose the right tip with the colour-coded handle and permanent symbol on the domed end
- Flat face to prevent rolling away
- Integrated hanging hole
- High-performance alloy steel blade with chrome plating, entirely hardened for high protection against corrosion, long life tool
- In cardboard box

BE-9885	7314150048465	1	5	38 x 175 x 365 mm	355 g

BE-8910, BE-8930, BE-8915, BE-8920, BE-8925

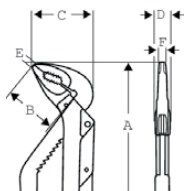




PLIERS



PLIERS



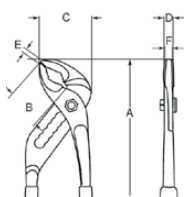
8223 - 8226

ERGO™ Slip Joint Water Pump Pliers with Dual-Component Handles and Phosphate Finish



- Water pump pliers developed according to the scientific ERGO™ process
- One hand operated quick adjust mechanism
- Teeth designed to ensure grip
- Jaws for flat and pipe shape gripping
- ERGO™ handles in two-component combination, thermoplastic surface, for comfortable grip, on tough polypropylene core for rigidity
- Material: High performance alloy steel, hardened for extra durability
- Phosphate finish, anti-corrosion treated
- ISO 8976
- Single thumb button adjustment
- Maximum comfort with minimum effort due to the ergonomic design
- Comfortable two-component handles giving an excellent grip
- Easy single hand operation with the thumb adjustment button
- Suitable for both flat and round gripping
- IP: Industrial Packed

				A	B	C	D	E	F		
8223	7314150112685	4	11	210 mm	37.25 mm	46 mm	12 mm	5.2 mm	7.5 mm	37 mm	270 g
8224	7314150000012	4	11	250 mm	41.85 mm	51 mm	12 mm	6 mm	8.5 mm	45 mm	350 g
8225	7314150000029	4	13	315 mm	53.5 mm	63 mm	12.5 mm	7 mm	10 mm	55 mm	550 g
8226	7314150115853	1	15	400 mm	62.7 mm	77 mm	14 mm	7 mm	13.0 mm	67 mm	670 g
8223 IP	7314150113149	4	11	210 mm	37.25 mm	46 mm	12 mm	5.2 mm	7.5 mm	37 mm	270 g
8224 IP	7314150101757	4	11	250 mm	41.85 mm	51 mm	12 mm	6 mm	8.5 mm	45 mm	350 g
8225 IP	7314150101764	4	13	315 mm	53.5 mm	63 mm	12.5 mm	7 mm	10 mm	55 mm	550 g

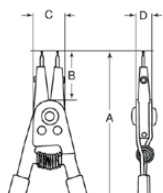


6221D-6225D

Box Joint Water Pump Pliers with PVC Handle

- Box joint water pump pliers with PVC dipped handles
- Sturdy box joint frame and slim designed PVC dipped handles
- High performance alloy steel
- Phosphate finish, anti-corrosion treated
- Up to 35% bigger mouth opening compared to market standard
- Narrow design head for great accessibility in confined spaces
- Hardened teeth (60 HRC to 62 HRC) for a long product life and strong gripping on any shape
- Designed to prevent fingers being pinched
- ISO 8976
- IP: Industrial packed

				A	B	C	D	E	F		
6221D	7314150421596	10	6	125 mm	20 mm	30 mm	10 mm	5 mm	4 mm	25 mm	74 g
6222D	7314150421589	10	8	150 mm	20 mm	30 mm	10 mm	5 mm	4 mm	35 mm	85 g
6223D	7314150421558	8	10	200 mm	25 mm	40 mm	12 mm	6 mm	6 mm	44 mm	185 g
6224D	7314150421565	5	11	250 mm	30 mm	50 mm	13 mm	8 mm	7 mm	61 mm	317 g
6225D	7314150421572	10	13	300 mm	36 mm	55 mm	13 mm	8 mm	7 mm	66 mm	397 g

**2928****Internal and External Circlips Resettable Pliers**

- Adjustable circlip pliers for both internal and external circlips
- Ring diameter: 7-26 mm to 46-102 mm
- Eyelet diameter: 3-26 mm to 32-102 mm
- Tip diameter: 0.6 mm to 1.8 mm
- Circlip tip 90°: 0.9 mm to 3 mm
- Circlip tip 15°: 2.3 mm to 3 mm
- With interchangeable tips
- Patented pliers, equipped with interchangeable tips (straight, 15° and 90°) which can easily be adapted for use with internal or external circlips
- 5 Pairs of tips are supplied with the -160 and -200 and 6 pairs with the -250
- Valid for internal circlips from 8 to 100 mm diameter and for external circlips from 3 to 100 mm
- The 2928-160 pliers, which thus covers a range of applications previously embraced by as many as 10 conventional pliers
- Regulation stop mechanism for easier use and prevention of damage to circlips due to excessive force

			A	B	C	D						
2928-160	7314150056514	1	160 mm	23.5 mm	21.5 mm	17 mm	7-26 mm	3-26 mm	0.6 0.9 1.2 mm		0.9 1.2 mm	120 g
2928-200	7314150056521	1	200 mm	32 mm	23.5 mm	20 mm	10-51 mm	7-51 mm	0.9 1.2 1.8 mm		0.9 1.2 mm	230 g
2928-250	7314150056538	1	250 mm	36 mm	30 mm	22 mm	46-102 mm	38-102 mm		2.3 2.7 3.0 mm	2.3 2.7 3.0 mm	505 g

9938**Resettable Circlip Pliers Set - 3 Pcs**

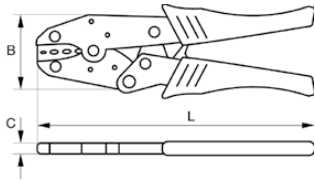
- Set includes: 2928-160, 2928-200, 2928-250 circlip pliers
- Set of three circlip pliers with interchangeable tips for both internal and external circlips in a plastic box
- Patented pliers, equipped with interchangeable tips (straight, 15° and 90°) which can easily be adapted for use with internal or external circlips
- 5 Pairs of tips are supplied with the -160 and -200 and 6 pairs with the -250
- Valid for internal circlips from 8 to 100 mm diameter and for external circlips from 3 to 100 mm
- Regulation stop mechanism for easier use and prevention of damage to circlips due to excessive force
- The 2928-160 pliers, which thus covers a range of applications previously embraced by as many as 10 conventional pliers

9938	7314150056491	1	3	52 x 240 x 345 mm	1640 g

2928-160, 2928-200, 2928-250



PLIERS



CR W 01
Ratcheting Crimping Pliers for Insulated Connectors

- Cable section: 0.5 mm² to 6 mm²
- High Leverage premium quality crimping pliers
- Suitable for insulated cable connectors
- For high quality crimping connections
- The ratcheting mechanism automatically releases once the crimping operation is completed

			L	B	C		AWG	
CR W 01	7314150215492	1	225 mm	64 mm	12 mm	0.5-6.0 mm ²	20-10	650 g



9897G/3
ERGO™ All-Round Pliers Tool Set - 3 pcs

- Set includes: 2628G-180 combination pliers, 2101G-160 side cutter, 2430G-200 snipe nose pliers
- Ergonomic design for maximum comfort with minimum effort
- High-performance alloy steel
- Phosphate finish, anti-corrosion treated
- Packed in a plastic tray inside a cardboard box
- Attractive packaging design for both wall and shelf display

9897G/3	7314150470020	1	3		50 x 180 x 400 mm	788 g

2628 G-180	
2101G-160	
2430 G-200	



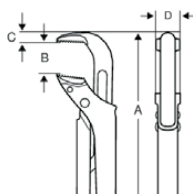


PIPE WRENCHES



UNIVERSAL PIPE WRENCH ERGO™ / CHAIN PIPE WRENCH

ergo



1410/1420

ERGO™ Swedish Model 90° Pipe Wrenches

- Pipe wrench developed according to the scientific ERGO™ process
- Comfortable two-component ERGO™ handle
- True ergonomic design for optimal comfort and increased productivity
- Slim design of the head allows excellent accessibility in confined spaces compared to many other types of pipe wrenches
- Gripping capacity up to 38 mm (1 1/2") and a jaw opening up to 66 mm (2 2/3")
- Patented progressive teeth for better grip
- Anti-rust treated high-alloy steel with induction hardened teeth
- The nut can be blocked in the desired position with the adjustment screw. Safety stop prevents threading-off
- Finger pinching protection thanks to the curved design
- Standards: DIN 5234

			A	B	C	D		
1410	7314150106332	1	320 mm	45 mm	11.7 mm	18.8 mm	1 in	610 g
1420	7314150103744	1	430 mm	65 mm	14.87 mm	20.8 mm	1 1/2 in	1105 g

140-147

Swedish Model 90° Pipe Wrenches

- Single-component painted handle
- Slim design of the head allows excellent accessibility in confined spaces compared to many other types of pipe wrenches
- Gripping capacity up to 127 mm (5") and a jaw opening up to 160 mm (6 1/3")
- Patented progressive teeth for better grip
- Anti-rust treated high-alloy steel with induction hardened teeth
- The nut can be blocked in the desired position with the adjustment screw. Safety stop prevents threading-off
- Standards: DIN 5234

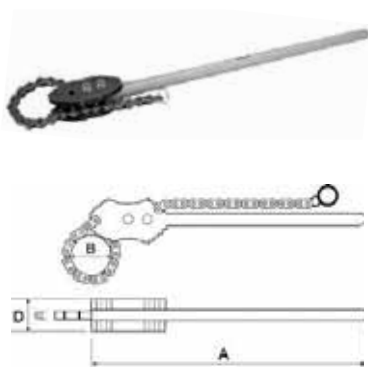
			A	B	C	D		
140	7314150008797	1	210 mm	33 mm	9.3 mm	15.7 mm	3/4 in	375 g
141	7314150008827	1	320 mm	45 mm	11.7 mm	18.8 mm	1 in	575 g
142	7314150008841	1	426 mm	65 mm	14.87 mm	20.8 mm	1 1/2 in	1150 g
143	7314150008872	1	557 mm	90 mm	19.8 mm	26.7 mm	2 1/2 in	2865 g
144	7314150008902	1	722 mm	110 mm	24.9 mm	33.7 mm	3 1/2 in	5390 g
147	7314150008933	1	1060 mm	160 mm	38 mm	35 mm	5 in	7210 g

372

Heavy Duty Chain Pipe Wrenches

- Suitable for most jobs on metallic tubes
- Self-locking function in both directions
- Strong chain made of tempered special steel
- Jaws and body in forged hardened steel
- Double sided tooth system for ratchet-like use
- Maximal tube capacity up from 38 mm (1-1/2") to 305 mm (12")
- Standards: US Norm GGG-W-651, Type I Class B, UNE 16555

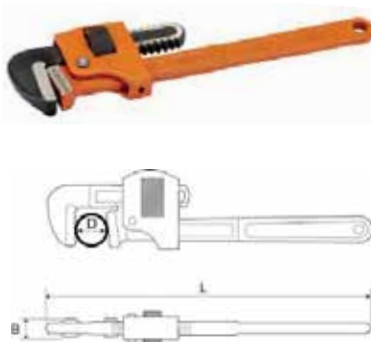
			A	B	B	C	D	
372-1 1/2	7314150133239	1	350 mm	49 mm	1 1/2 in	8 mm	38 mm	1260 g
372-2 1/2	7314150133246	1	685 mm	76 mm	2 1/2 in	9 mm	49 mm	3790 g
372-4	7314150133253	1	925 mm	115 mm	4 in	13 mm	60 mm	8260 g
372-6	7314150133260	1	1110 mm	150 mm	6 in	20 mm	75 mm	6970 g
372-8	7314150133277	1	1200 mm	220 mm	8 in	20 mm	79 mm	12310 g
372-12	7314150133284	1	1410 mm	324 mm	12 in	20 mm	82 mm	15390 g



**380****Multipurpose Aluminium Pipe Wrenches**

- One-handed multipurpose pipe wrenches
- Anti-corrosion treated high strength aluminium alloy body
- Comfortable to use
- Lightweight yet strong aluminium construction
- Self-clamping for ease of use
- Strong special forged jaws
- Standards: US Norm GGG-W-651, Type I Class B, UNE 16554

			L	D	B	
380-10	7314150133178	1	253 mm	35 mm	17 mm	430 g
380-14	7314150133185	1	320 mm	50 mm	21 mm	920 g
380-18	7314150133192	1	455 mm	60 mm	26 mm	1490 g
380-24	7314150133208	1	607 mm	76 mm	28 mm	2390 g
380-36	7314150133215	1	910 mm	127 mm	32 mm	4630 g
380-48	7314150133222	1	1210 mm	150 mm	36 mm	8400 g

361**Stillson Pipe Wrenches**

- Self-clamping, one-hand traditional Stillson wrench for ease of use
- Body made of traditional forged steel, anti-corrosion treated
- Long-lasting serrated induction hardened jaws
- Spring-loaded for ratchet-like use
- Anti-corrosion treated body
- Comfortable-to-use traditional metal-bodied wrench
- Standards: US Norm GGG-W-651, Type I Class B, UNE 16554

			L	D	D	B	
361-8	7311518295196	1	185 mm	25 mm	1 in	11 mm	290 g
361-10	7311518295202	1	230 mm	35 mm	1 3/8 in	15 mm	570 g
361-12	7311518295219	1	265 mm	44 mm	1 3/4 in	17 mm	730 g
361-14	7311518295226	1	315 mm	50 mm	2 in	19 mm	1090 g
361-18	7311518295233	1	450 mm	60 mm	2 1/2 in	23 mm	1890 g
361-24	7311518295240	1	535 mm	76 mm	3 in	26 mm	2630 g
361-36	7311518295257	1	900 mm	102 mm	4 in	30 mm	6100 g







STRIKING & BENDING TOOLS



SLEDGE HAMMER DOUBLE FACED / CLUB HAMMER / PU DEAD BLOW SLEDGE HAMMER

489-1100/489-1800

99/105 mm Safety Sledge Hammers with Rubber Handle

- With special heat treated head with a hard core and a soft striking face to avoid fractures or chipping
- Unbreakable rubber handle reinforced with a high carbon steel spring rod
- Hard core safeguards head to the handle
- ANSI/HTI B173-1991, ASTM A576 (head), ASTM A421 (handle)
- Convex (domed) striking face

				A	B	C	g
489-1100	7314150133055	8	1100 g	90 mm	295 mm	47 mm	1690 g
489-1800	7314150133062	8	1800 g	105 mm	300 mm	51 mm	2330 g

489-2700/489-5400

150/190 mm Safety Sledge Hammers with Rubber Handle

- With special heat treated head with a hard core and a soft striking face to avoid fractures or chipping
- Unbreakable rubber handle reinforced with a high carbon steel spring rod
- Hard core safeguards head to the handle
- ANSI/HTI B173-1991, ASTM A576 (head), ASTM A421 (handle)
- Convex (domed) striking face

				A	B	C	g
489-2700	7314150133079	4	2700 g	150 mm	765 mm	53 mm	4690 g
489-3600	7314150133086	4	3600 g	167 mm	788 mm	59 mm	5900 g
489-4500	7314150133093	4	4500 g	178 mm	797 mm	68 mm	6800 g
489-5400	7314150133109	4	5400 g	190 mm	780 mm	66 mm	7400 g

484

Club Hammers with Hickory Handle

- With convex (domed) striking faces
- High-quality tool designed for professionals
- First class, straight-grained genuine hickory handle ensures easy and safe operation
- Especially hardened and heat treated to withstand the highest impact heavy applications
- Standards: DIN 6475, GS certification

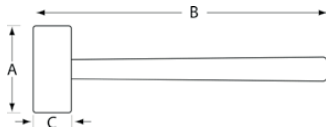
				A	B	C	g
484-1000	7311518005122	6	1000 g	94 mm	260 mm	39 mm	1110 g
484-1250	7311518005139	6	1250 g	99 mm	260 mm	42 mm	1380 g
484-1500	7311518005146	6	1500 g	110 mm	280 mm	44 mm	1610 g
484-2000	7311518024338	4	2000 g	120 mm	300 mm	49 mm	2090 g

3625PU

Dead Blow Sledge Hammers with Anti-Sliding Handle

- With steel structure and PU (polyurethane) layer
- Anti-sliding handle
- Steel shot in head minimizes rebound and more driving power
- Force of strike is transferred to object, decreasing shock to the user, reducing wrist and arm fatigue
- Non-sparking and low noise
- Increased surface protection
- Ideal for tyre change and transmission work
- Suitable for mould production, wooden furniture, gas, chemical engineering, petroleum, gunpowder, sheet metal, aviation ships, sailing etc.
- Striking area not marked
- Adapts to temperatures from -20 °C to 90 °C
- Hardness: 83 to 86 shore A

				A	B	C	g
3625PU-30	7311518276119	12	87 mm	300 g	280 mm	35 mm	400 g
3625PU-50	7311518276126	6	100 mm	790 g	320 mm	50 mm	790 g
3625PU-60	7311518276133	6	121 mm	1080 g	365 mm	60 mm	1270 g

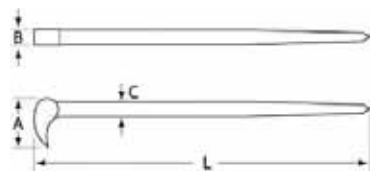


3625PU-105

Dead Blow Sledge Hammers with Anti-Sliding Handle 105 mm

- Ideal for tyre change, transmission work, etc.
- With steel structure and PU (polyurethane) layer hammer
- Anti-sliding handle
- The striking area will not be marked

				A	B	C	g
3625PU-105	7314150170098	4	5000 g	195 mm	915 mm	105 mm	5600 g

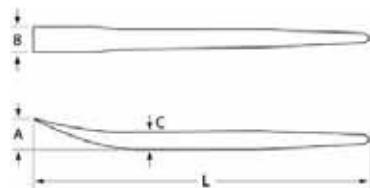


3681

Rolling Head Pry Bars with Phosphated Body

- 90° Side action
- Made of special alloy steel, hardened
- Phosphate finish with polished head
- Long, tapered end for alignments and a rolling head for prying
- Two bars work together as a puller
- For work in narrow places
- With tapered end for parts alignments

			A	B	C	L	g
3681-11	7314150132980	1	35 mm	13 mm	11 mm	304 mm	230 g
3681-16	7314150132997	1	44 mm	14 mm	14 mm	406 mm	530 g
3681-20	7314150133000	1	58 mm	17.5 mm	17 mm	503 mm	950 g

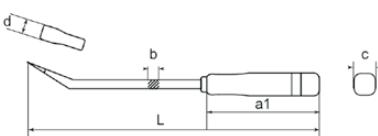


3684

Flat Head Pinch Bars with Hexagon Shank

- Hardened high-performance alloy steel
- Manganese phosphate finish
- Long, tapered end for alignments and flat end for lifting and bending heavy parts

			A	B	C	L	g
3684-16	7314150133017	1	21 mm	19 mm	12.7 mm	406 mm	360 g
3684-18	7314150133024	1	29 mm	22.5 mm	15.8 mm	457 mm	625 g
3684-24	7314150133031	1	37 mm	26 mm	19 mm	609 mm	1280 g
3684-30	7314150133048	1	38 mm	32 mm	22.2 mm	760 mm	2140 g



2484T-20/2484T-60

Flat Head Pry Bar with Through Blade for Hammering

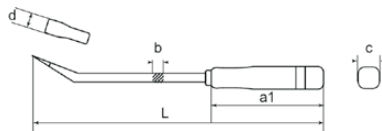


- Powerful tool for demanding jobs
- Through blade for hammering. Additional metal cap
- Chrome molybdenum blade. Hardness 48 HRC
- Black finish blade
- Handle in polypropylene (PP) and thermo plastic rubber (TPR)

			L	d	b	a1	C	g
2484T-20	7314150455102	1	210 mm	10.6 mm	6.4 mm	111 mm	30 mm	140 g
2484T-30	7314150455119	1	312 mm	15.3 mm	9.5 mm	126 mm	35 mm	325 g
2484T-45	7314150455126	1	465 mm	18.8 mm	11.1 mm	150 mm	35 mm	545 g
2484T-60	7314150455133	1	615 mm	18.8 mm	11.1 mm	150 mm	35 mm	690 g



PICK UP TOOLS



2484T/S4

4 pcs Flat Head Pry Bars with Through Blade for Hammering



- Powerful tool for demanding jobs
- Through blade for hammering. Additional metal cap
- Chrome molybdenum blade. Hardness 48 HRC
- Black finish blade
- Handle in polypropylene (PP) and thermoplastic rubber (TPR)

2484T/S4	7314150455096	1	42 x 145 x 693 mm	1950 g

2484T-20, 2484T-30, 2484T-45, 2484T-60



ergo®



2535F0

ERGO™ Neodymium Magnetic Pick-Up Tool 4 mm x 290 mm

- Magnetic pick-up tool for light and precise work
- Small diameter head, fits through small holes
- Shaft keeps its shape when bent
- Shaft protected with a plastic tube

2535F0	7314150402236	1	5.5 mm	515 mm	122 mm	637 mm	50 g

ergo®



2535F

Magnetic pick-up ERGO™

- Handle designed according to the scientific ERGO™ process
- Handle: three-component polypropylene and thermoplastic handle for maximum comfort and force transmission
- 2535F1, 2535F2: Neodymium magnet Ø 10 mm, capacity 1 kg/35 oz
- 2535F3: Neodymium magnet Ø 17 mm, capacity 3 kg/106 oz

2535F1	7314151064495	1	10 mm	400 mm	122 mm	36 mm	522 mm	190 g
2535F2	7314150233854	1	10 mm	400 mm	122 mm	27 mm	522 mm	190 g
2535F3	7314150180233	1	17 mm	400 mm	122 mm	36 mm	522 mm	190 g

2509

Flexible Pick-Up Tools with Steel Core

- Galvanised and gunmetal finish

2509	7314151064280	50	555 mm	90 g

2530

Claw Pick-Up Tools with Steel Core

- For gripping very small parts
- Flexible shaft with steel core
- Chrome finish

2530	7314150326761	1	605 mm	80 g

**5515FL****Pivoting Inspection Mirror with LED and Insulated Semi-rigid Cable**

- Semi-rigid cable allows inspections into hard-to-reach spots
- The 2 powerful LEDs light up the darkest areas
- Cable insulation allows up to 125°C
- On/off switch controls the light
- Total length: 550 mm
- Soft grip handle
- 1x CR2032 battery included
- Mirror available as spare
- CE certified by accredited inspection body

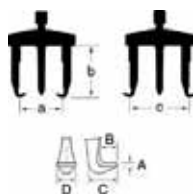
5515FL	7314150504077	10	550 mm	62 x 38 mm	194 g

**4532ST/5****2-Arm Universal Puller Set Displays with Galvanized Finish**

- Five set display of two-arm pullers
- Special steel material
- Galvanised finish
- 4532 series, sizes A to E
- Made of special steel
- Available in five sets per display

4532ST/5	7314151720490	1	16700 g

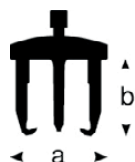
4532-A, 4532-B, 4532-C, 4532-D, 4532-E

**4528****3-Arm Hydraulic Extractors**

- Extractor: three-arm hydraulic - heavy-duty
- Due to a hydraulic cylinder, this puller reaches a pulling force of 15 T with a stroke of approximately 12 mm
- Hydraulic spindle male thread: G1" x 11 x 170 (complete length 452 mm)
- Heavy-duty tasks, strong components
- Hydraulic force multiplication for easy operation

			a	b				
4528-1	7314151718671	1	50-350 mm	135 mm	70 N·m	15 to	150 kN	12500 g

4528K: Set of 3 spare arms 4528/B: Spare body 4533HP/S: Spare male hydraulic spindle K1-K5: Spare arms



**4590SHS5****Internal and External Extractor with Sliding Hammer Set**

- 4590SHS5-01 handle + sliding hammer
- 4590SHS5-02 adaptor for external extractions
- 4590SHS5-03 holding jaws and adaptor for internal extractions, diameter range: 30 mm to 80 mm
- 4590SHS5-04 holding jaws and adaptor for internal extractions, diameter range: 15 mm to 30 mm
- 4590SHS5-05 holding jaws for external extractions, diameter range: 15 mm to 80 mm
- Auto-centring
- M15 threads used on the handle and holding jaws
- Made of special steel
- Chrome finish
- Designed to extract internal and external lock-rings, ball bearings, etc.
- Supplied with a 1.2 kg sliding hammer to facilitate extracting operations
- Supplied in a blow moulded case, in plastic inlay for better tool control

4590SHS5	7314150384822	4	500 mm	230 mm	79 mm	4987 g

**4611****Mechanical Nut Splitters with Galvanised and Gunmetal Finish**

- Suitable for splitting jammed or stripped nuts without damaging the stud thread
- Made of special steel
- Splits nuts up to quality 6
- Manual blade retracts after use
- Suitable for nuts up to Property class 61

4611-2	7314151725372	1	to M16	8-24 mm	430 g
4611-3	7314150125043	1	to M24	17-36 mm	700 g

4611/S: spare spindles 4611/B: spare blades

**4610****Hydraulic Nut Splitters with Galvanised and Gunmetal Finish**

- For nuts up to type 10
- Maximum load 50 kN
- Manual blade retracts after use
- Made of special steel
- The double swan-neck design allows working in confined spaces
- The chisel will not retract automatically after use
- For removing jammed nuts without damaging the bolt
- Easier operation due to hydraulic mechanism
- Splits nuts up to quality 10

						
4610-1	7314151724993	1	M4-M14	7-22 mm	45 N·m	790 g

1435/8**Stud Extractors - 8 Pcs**

- Made of high-performance alloy steel
- Blasted finish
- Range from M8 to M45 studs

1435/8	7314151040741	1	29 x 110 x 118 mm	M3-M45	700 g

1420-1.4, 1421-2.1, 1422-3.1, 1423-4.8, 1424-6.2

**1460M/2****Thread Cutting Toolset - 55 Pcs**

- Metric taps and dies set, 55 pieces
- Metric ISO standard threads M 5, 6, 7, 8, 9, 10, 11, 12, 14, 16, 18 and 20
- Taps and dies of HSS material
- Polished finish taps with ground flanks, in lacquered metal box with wooden insert
- To cut or repair male or female threads
- Set includes 55 pieces: 36 taps, 12 round dies, two adjustable tap wrench and five die stocks
- 36 Taps: 12 sets of three taps (taper, plug and bottoming)
- 12 Round dies: pre-slotted
- Two adjustable tap wrench, size-1
- Five die stocks, 20 x 7, 25 x 9, 30 x 11, 38 x 14 and 45 x 18
- Three taps per size: start, intermediate and finishing
- Standards: Taps DIN 352/ISO 6H, dies DIN 223/ISO 6 G
- Adjustable tap wrench DIN 1814, 4-9, die stocks DIN 225

1460M/2	7314151041106	1	53 x 407 x 220 mm	M5-M20	9170 g

**1460Z/2****Thread Cutting Toolset - 54 Pcs**

- American taps and dies sets
- The set covers 16 thread sizes, eight NF and eight NC threads
- For American threads:
 - NF (SAE) 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8 and 3/4"
 - 28, 24, 24, 20, 20, 18, 18 and 16 threads per inch
 - NC (USS) 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8 and 3/4"
 - 20, 18, 16, 14, 13, 12, 11 and 10 threads per inch
- Taps and dies of HSS material
- Two taps per size: start and finishing
- Polished finish taps with ground flanks
- To cut or repair male or female threads
- Set includes 54 pieces: 32 taps, 16 round dies, one adjustable tap wrench, five die stocks
- 32 Taps: eight sets of two NF taps (taper, bottoming), eight sets of two NC taps (taper, bottoming)
- 16 round dies: pre-slotted
- One adjustable tap wrench, size 3
- 5 Die stocks, 20 x 7, 25 x 9, 30 x 11, 38 x 14 and 45 x 18
- Taps DIN 352/ISO 6H, dies DIN 223/ISO 6 G, adjustable tap wrench DIN 1814, 4-9, die stocks DIN 225

1460Z/2	7314151041120	1	53 x 407 x 220 mm	1/4-3/4	9500 g





The image shows four orange storage bins stacked vertically. Each bin has a silver metal drawer at the bottom. The bins are made of a smooth, slightly reflective plastic material. The background is a plain, light gray surface. The text "STORAGE & TOOL KITS" is overlaid in the bottom right corner in a bold, sans-serif font. The word "STORAGE" is orange, and "& TOOL KITS" is white.

STORAGE & TOOL KITS



6729MHP

1/4" Square Drive Socket Set with Metric Hex Profile and Pear Head Ratchet/Screwdriver Bits/Adaptor



- 6700SM 1/4" square drive socket hex profile metric (4, 5, 6, 7, 8, 9, 10, 11, 13 and 14 mm)
- 6950 1/4" pear head reversible ratchet
- 6956 1/4" spinner handle
- 59S/0.6-4.5, 59S/0.8-5.5 and 59S/1.2-6.5 1/4" bits for slotted head screws
- 59S/PH1, 59S/PH2 and 59S/PH3 1/4" bits for Phillips head screw
- 59S/PZ1, 59S/PZ2 and 59S/PZ3 1/4" bits for Pozidriv screws
- 59S/H3, 59S/H4, 59S/H5 and 59S/H6 - 1/4" bits for hex head screws
- 6960 and 6962 1/4" extension bars (50 and 150 mm)
- 6966 1/4" universal joint
- 6973A 1/4" adaptor for 1/4" bits
- Highly polished finish
- High-performance alloy steel
- Less wear and damage to fastener thanks to Dynamic-Drive™ profile sockets
- Knurled shank for finger turning of free running fasteners
- Socket gives maximum load distribution and torque from the additional flank area
- Ratchet bar designed to prevent accidental change of working direction
- Comfortable, non-slip two-component handle ratchet with clever hanging hole for easy storage
- Metal case
- Insert of elastic plastic material to secure the tools
- Standards: ISO 1174 and DIN 3120

	6729MHP	7314150218752	1	220 mm	110 mm	50 mm	1160 g
6700SM-4, 6700SM-5, 6700SM-6, 6700SM-7, 6700SM-8, 6700SM-9, 6700SM-10, 6700SM-11, 6700SM-13, 6700SM-14							
6950							
6960, 6962							
6966							
6956							
6973A							
59S/0.6-4.5, 59S/0.8-5.5, 59S/1.2-6.5							
59S/PZ1, 59S/PZ2, 59S/PZ3							
59S/PH1, 59S/PH2, 59S/PH3							
59S/H3, 59S/H4, 59S/H5, 59S/H6							



6821NZ

1/4" Square Drive Socket Set with Imperial Hex Profile and Pear Head Ratchet/Breaker Bars



- 6700SZ 1/4" square drive socket hex profile imperial 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2 and 9/16"
- 6950 1/4" pear head reversible ratchet
- 6958 1/4" breaker bar
- 6956 1/4" spinner handle
- 6954 1/4" sliding T-handle
- 6960 and 6962 1/4" extension bars (50 and 150 mm)
- 6951 1/4" ratchet adaptor
- 6966 1/4" universal joint
- Knurled
- Highly polished finish
- High-performance alloy steel
- Standards: ISO 1174 and DIN 3120

6821NZ	7314151089269	1	223 mm	113 mm	50 mm		1240 g

6700SZ-1/4, 6700SZ-11/32, 6700SZ-1/2, 6700SZ-3/16, 6700SZ-5/32, 6700SZ-7/32, 6700SZ-9/32, 6700SZ-5/16, 6700SZ-3/8, 6700SZ-7/16, 6700SZ-9/16

6954

6958

6950

6956

6960, 6962

6966

6951

6715MZ

1/4" Square Drive Socket Set with Metric/Imperial Hex Profile and Pear Head Ratchet



- 6700SM 1/4" square drive socket hex profile metric (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11 and 13 mm)
- 6950 1/4" pear head reversible ratchet
- 6700SZ 1/4" square drive socket hex profile imperial (3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16 and 1/2")
- 6956 1/4" spinner handle
- 6954 1/4" sliding T-handle
- 6962 1/4" extension bar (150 mm)
- 6966 1/4" universal joint
- Highly polished finish
- High-performance alloy steel
- Less wear and damage to fastener thanks to Dynamic-Drive™ profile sockets
- Knurled shank for finger turning of free running fasteners
- Socket gives maximum load distribution and torque from the additional flank area
- Ratchet bar designed to prevent accidental change of working direction
- Comfortable, non-slip two-component handle ratchet with clever hanging hole for easy storage
- Metal case
- Insert of elastic plastic material to secure the tools
- Standards: ISO 1174 and DIN 3120

6715MZ	7314153003218	1	230 mm	126 mm	40 mm		1112 g

6700SM-4, 6700SM-4.5, 6700SM-5, 6700SM-5.5, 6700SM-6, 6700SM-8, 6700SM-9, 6700SM-10, 6700SM-11, 6700SM-13

6700SZ-7/32, 6700SZ-3/16, 6700SZ-1/4, 6700SZ-9/32, 6700SZ-5/16, 6700SZ-11/32, 6700SZ-3/8, 6700SZ-7/16, 6700SZ-1/2

6954

6950

6956

6966

6962



7819DRN

1/2" Square Drive Socket Set with Metric Bi-Hex Profile and Round Head Ratchet

- 7800DM 1/2" square drive socket bi-hex profile metric, 19 pieces (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 26, 27, 28, 30 and 32 mm)
- 8150RN-1/2 1/2" round head reversible ratchet
- 8152-1/2 1/2" speeder
- 8166-1/2 1/2" universal joint
- 8160-1/2 and 8162-1/2 1/2" extension bars (125 and 250 mm)
- 8154-1/2 1/2" sliding T-handle
- Highly polished finish
- High-performance alloy steel
- Less wear and damage to fastener thanks to Dynamic-Drive™ profile sockets
- Knurled shank for finger turning of free running fasteners
- Socket gives maximum load distribution and torque from the additional flank area
- Ratchet bar designed to prevent accidental change of working direction
- Comfortable, non-slip two-component handle ratchet with clever hanging hole for easy storage
- Metal case
- Insert of elastic plastic material to secure the tools
- Standards: ISO 1174 and DIN 3120

7819DRN	7314151831547	1	445 mm	225 mm	51 mm	7100 g
7800DM-19, 7800DM-18, 7800DM-17, 7800DM-16, 7800DM-23, 7800DM-22, 7800DM-21, 7800DM-11, 7800DM-10, 7800DM-15, 7800DM-13, 7800DM-14, 7800DM-12, 7800DM-24, 7800DM-26, 7800DM-27, 7800DM-28, 7800DM-30, 7800DM-32						
8150RN-1/2						
8152-1/2						
8166-1/2						
8160-5, 8160-10						
8154-11						
8166						



7823DZS

1/2" Square Drive Socket Set with Imperial Bi-Hex Profile and Slim Head Ratchet/Sliding T-Handle

- 7800DZ 1/2" socket bi-hex, 3/8, 7/16, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4 and 1-1/4"
- 8166-1/2 1/2" universal joint
- 8160-1/2 and 8162-1/2 1/2" extension bars (125 and 250 mm)
- 8154-1/2 1/2" sliding T-handle
- Highly polished finish
- High-performance alloy steel
- Less wear and damage to fastener thanks to Dynamic-Drive™ profile sockets
- Knurled shank for finger turning of free running fasteners
- Socket gives maximum load distribution and torque from the additional flank area
- Comfortable, non-slip two-component handle ratchet with clever hanging hole for easy storage
- Metal case
- Insert of elastic plastic material to secure the tools
- Standards: ISO 1174 and DIN 3120

7823DZS	7314150319015	1	445 mm	185 mm	60 mm	5950 g
7800DZ-3/8, 7800DZ-7/16, 7800DZ-1/2, 7800DZ-9/16, 7800DZ-19/32, 7800DZ-5/8, 7800DZ-11/16, 7800DZ-3/4, 7800DZ-25/32, 7800DZ-13/16, 7800DZ-7/8, 7800DZ-15/16, 7800DZ-1, 7800DZ-1.1/16, 7800DZ-1.1/8, 7800DZ-1.3/16, 7800DZ-1.1/4, 7800DZ-1.5/16						
8150SL						
8160-5, 8160-10						
8154-11						
8166						



8845NM

3/4" Square Drive Socket Set with Metric Hex Profile and Round Ratchet Head/ Sliding T-Head

- 8900SM 3/4" square drive socket hex profile metric, 22, 24, 27, 30, 32, 36, 38, 41, 46 and 50 mm
- 8950N/A 3/4" reversible ratchet head
- 8953 3/4" universal handle
- 8954A 3/4" sliding T head
- 8961 and 8962 3/4" extension bars, 200 and 400 mm
- Highly polished finish
- High-performance alloy steel
- Knurled shank for finger turning of free running fasteners
- Metal case with metallic inlay to hold the tools
- Standards: ISO 1174 and DIN 3120

8845NM	7314151810955	1	591 mm	206 mm	94 mm		13200 g
8900SM-24, 8900SM-22, 8900SM-27, 8900SM-30, 8900SM-32, 8900SM-36, 8900SM-38, 8900SM-41, 8900SM-46, 8900SM-50							
8953							
8954A							
8962, 8961							
8950N/A							



8840M

3/4" Square Drive Socket Set with Metric Bi-Hex Profile - 24 Pcs

- Set includes 24 pieces
- 8900DM 3/4" square drive sockets, 19, 22, 24, 25, 27, 28, 30, 32, 36, 41, 46, 50, 55 and 60 mm
- 8953 3/4" universal handle
- 8950N/A 3/4" reversible ratchet head
- 8954A 3/4" sliding T-head
- 8961 and 8962 3/4" extension bars (200 mm, 400 mm)
- 8951 3/4" reversible ratchet adaptor
- 8966 3/4" universal joint
- 8964 Increasing adaptor
- 8965 Adaptor
- 8958A Breaker bar
- Highly polished finish
- High-performance alloy steel
- Metal case with metallic inlay
- Standards: ISO 1174, DIN 3120

8840M	7314151105495	1	595 mm	210 mm	100 mm		21200 g
8900DM-19, 8900DM-22, 8900DM-24, 8900DM-25, 8900DM-27, 8900DM-28, 8900DM-30, 8900DM-32, 8900DM-36, 8900DM-41, 8900DM-46, 8900DM-50, 8900DM-55, 8900DM-60							
8953							
8950N/A							
8951							
8954A							
8958A							
8962, 8961							
8966							
8965							
8172							



9540MB

1" Square Drive Socket Set with Metric Hex Profile and Round Head Ratchet



- 9500SM 1" square drive socket hex profile metric, 46, 50, 55, 60, 65, 70, 75 and 80 mm
- 9550AB 1" reversible ratchet head
- 9555 1" sliding T-head
- 9560AB and 9563AB 1" extension bars, 200 and 400 mm
- Matte finish
- High-performance alloy steel
- Metal case with metallic inlay to hold the tools
- Standards: ISO 1174 and DIN 3120

9540MB	7314153014108	1	120 mm	560 mm	210 mm
9500SM-80, 9500SM-75, 9500SM-70, 9500SM-65, 9500SM-60, 9500SM-55, 9500SM-50, 9500SM-46					
9550AB					
9555					
9560AB, 9563AB					



9540MBL

1" Square Drive Socket Set with Metric Hex Profile and Round Head Ratchet/Adaptor

- 9500SM 1" square drive socket hex profile metric, 46, 50, 54, 55, 58, 60, 63, 65, 67, 70, 71, 75, 77 and 80 mm
- 9550AB 1" reversible ratchet head
- 9555 1" sliding T-head
- 9560AB and 9563AB 1" extension bars, 200 and 400 mm
- 9565AB Decreasing adaptor for 1" square drive and 3/4" sockets
- Matte finish
- High-performance alloy steel
- Standards: ISO 1174 and DIN 3120

9540MBL	7314153014115	1	120 mm	605 mm	225 mm
9500SM-80, 9500SM-77, 9500SM-71, 9500SM-70, 9500SM-67, 9500SM-65, 9500SM-63, 9500SM-60, 9500SM-75, 9500SM-46, 9500SM-50, 9500SM-54, 9500SM-55, 9500SM-58					
9550AB					
9560AB, 9563AB					
9555					



9540DZ

1" Socket Set with Imperial Bi-Hex Profile - 11 Pcs



- Matte finish
- High-performance alloy steel
- Metal case with metal inlay to hold the tools
- Standards: ISO 1174/DIN 3120

9540DZ	7314150414048	1	670 mm	260 mm	150 mm	27000 g

9550AB

9555

9563AB, 9560AB

9500DZ-2.3/4, 9500DZ-2.3/8, 9500DZ-2.3/16, 9500DZ-3, 9500DZ-1.13/16, 9500DZ-3.1/8, 9500DZ-2.5/8, 9500DZ-2



9540DZL

1" Socket Set bihexagonal in inches. Metal case



- Matt finish
- DIN 3120

9540DZL	7314150414055	1	630 mm	285 mm	140 mm	36500 g

9500DZ-2.1/4, 9500DZ-2.3/4, 9500DZ-2.3/8, 9500DZ-2.1/2, 9500DZ-2.15/16, 9500DZ-2.1/8, 9500DZ-1.7/8, 9500DZ-2.3/16, 9500DZ-3, 9500DZ-1.13/16, 9500DZ-3.1/8, 9500DZ-2.5/8, 9500DZ-2, 9500DZ-2.9/16



9550AB

9555

9563AB, 9560AB

9565AB

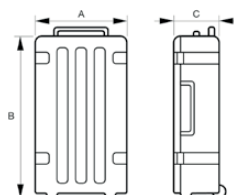




GENERAL PURPOSE TOOL KIT

4750ALC01FF1

Aluminium Tool Box General Purpose Toolkit, 145pcs



- Two inlays for general purpose in Heavy Duty Aluminum case
- Injection moulded ABS walls with strong aluminum construction frame
- Two metal locks with keys
- Ergonomic soft grip handle
- Two special safety hinges
- Includes two tool pallets with elastics
- Document wallet with tool storage room
- Large variety of tools included: combination wrenches, screwdrivers, 1/4" and 1/2" sockets HEX, striking and cutting tools, pliers, bits

4750ALC01FF1	7314150508884	1	160 mm	450 mm	320 mm	13.85 kg

111M-14, 111M-15, 111M-16, 111M-17, 111M-18, 111M-19, 111M-8, 111M-9, 111M-10, 111M-11, 111M-12, 111M-13		
BE-9678		
8072 C IP		
224 D		
2171G-160		
2339-220IP		
2678 G-180		
2470 G-160		
SCB140		
B191.030.075, B191.040.125		
B190.055.125, B190.065.150		
B192.001.100, B192.002.125		
806-1-1		
482F-30		
MTB-5-25		
208		
KB18-01		
808050TS		
59S/0.6-4.5-3P, 59S/1.0-5.5-3P, 59S/1.2-6.5-3P		
59S/PH1-3P, 59S/PH2-3P, 59S/PH3-3P, 59S/PH0-3P		
59S/PH2G-3P		
59S/PZ2-3P, 59S/PZ3-3P, 59S/PZ0-3P, 59S/PZ1-3P		
66IM/T20C-2P, 66IM/T15C-2P, 66IM/T10C-2P, 66IM/T40C-2P, 66IM/T30C-2P, 66IM/T27C-2P, 66IM/T25C-2P		
59S/H1.5-3P, 59S/H3-3P, 59S/H2.5-3P, 59S/H4-3P, 59S/H5-3P, 59S/H2-3P, 59S/H6-3P, 59S/H8-3P		
KM6750-11, KM6750-6, KM6750-7, KM6750-8		
KM6750-10, KM6750-13, K6650-1/4-1P		
KM653-1P		
KSBG18-10DISPEN		
700-1.5-50, 700-1.2-50, 700-1-50, 700-1.8-50		
701-00-50, 701-0-50		
3906-250-24-5P, 3906-250-32-5P		
3735N-4-120		
3734N-2-150, 3734N-4-150, 3734N-6-150		
SBS60-9, SBS60-10, SBS60-11, SBS60-12, SBS60-13, SBS60-4, SBS60-4.5, SBS60-5, SBS60-5.5, SBS60-6, SBS60-7, SBS60-8		
SBS61		
SB6963		
SBS64		
6960-3		
8160-10, 8160-5		
8158-10		
7800SM-20, 7800SM-21, 7800SM-22, 7800SM-23, 7800SM-24, 7800SM-27, 7800SM-12, 7800SM-13, 7800SM-14, 7800SM-15, 7800SM-16, 7800SM-17, 7800SM-18, 7800SM-19, 7800SM-10, 7800SM-11, 7800SM-30, 7800SM-32		
SBS81		
8166		
7772H		

**1495WB18TSBT****Heavy Duty Steel Top Workbenches & Bottom Tray with 4 Legs - 1800 mm**

- Heavy duty workbench (max. load capacity 1,500 kg)
- Bottom tray included
- 40 mm thickness steel top is a perfect workplace
- The H-shape welded legs bring strength and robustness to whole workbench
- The legs are flat for greater stability and have anti-slip vulcanized rubber for safety
- Holes are provided for bolting the workbench to the floor
- Very easy assembly

1495WB18TSBT	7314150407637	1	1030 x 750 x 1800 mm	73 kg

**1495CS18HK****Wall or Bench Mount Cabinet with Shutter and Hooks**

- Tool cabinet with shutter and hooks
- Steel structure with square hole panel 1 mm thick
- A professional way to store a lot of tools in a limited amount of space
- All of your tools are immediately visible and right at your fingertips
- Spring rolling system and two handles for easier shutter opening/closing
- Panel with square 10x10 mm pattern providing more flexibility for hooks
- Specific holes for hanging on the wall and/or assembling on a workbench for safety
- Round lock system with two keys included

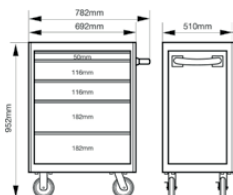
1495CS18HK	7314150407613	1	900 mm	1800 mm	170 mm	41 kg

**1495WB-AC****Drawers with Trays or Dividers for 1495WB Workbenches**

- 2 different drawer dimensions
- Tray included in the largest model
- Dividers included in the smallest model

1495WB-AC1	7314150296576	1	500 mm	500 mm	105 mm	15 kg	6.610 kg

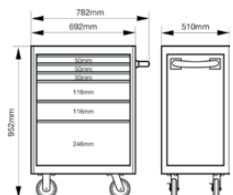




26" E72 Storage HUB Tool Trolleys with 5 Drawers

- 5 drawers heavy-duty tool trolley is based on a solid steel dual-walled case construction
- Fully opening drawers equipped with ball-bearing sliders that glide very smoothly and have a capacity up to 30 kg
- Rubber wheels ensure maximum stability, making the trolley easy to manoeuvre, even on irregular surfaces
- Perforated side panels allow end-user add different Xpand accessories
- Strong and secure round locking system protects the tool trolley against theft
- Scratchproof powder coating outside and inside assures a high protection against rust
- Shock protecting corner bumpers minimise the chance of injuries and damage to surrounding objects
- Dual-walled case ensures that the drawers always open after a collision damages the outside wall
- A wide range of Fit&Go ready-to-use foam inlays with tools is available

1472K5	7314150349463	1	952 x 510 x 782 mm	600 kg	5	445 mm	543 mm	30 kg	125 mm	30 mm	65 kg	2009

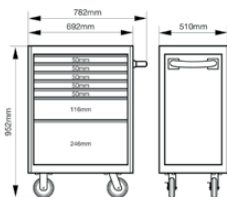


26" E72 Storage HUB Tool Trolleys with 6 Drawers

- 6 drawers heavy-duty tool trolley is based on a solid steel dual-walled case construction
- Fully opening drawers equipped with ball-bearing sliders that glide very smoothly and have a capacity up to 30 kg
- Rubber wheels ensure maximum stability, making the trolley easy to manoeuvre, even on irregular surfaces
- Perforated side panels allow end-user add different Xpand accessories
- Strong and secure round locking system protects the tool trolley against theft
- Scratchproof powder coating outside and inside assures a high protection against rust
- Shock protecting corner bumpers minimise the chance of injuries and damage to surrounding objects
- Dual-walled case ensures that the drawers always open after a collision damages the outside wall
- A wide range of Fit&Go ready-to-use foam inlays with tools is available

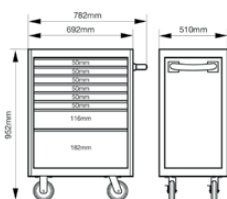
												
1472K6	7314150349470	1	952 x 510 x 782 mm	600 kg	6	445 mm	543 mm	30 kg	125 mm	30 mm	68 kg	2009



**1472K7****26" E72 Storage HUB Tool Trolleys with 7 Drawers**

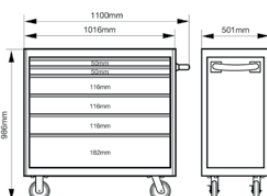
- 7 drawers heavy-duty tool trolley is based on a solid steel dual-walled case construction
- Fully opening drawers equipped with ball-bearing sliders that glide very smoothly and have a capacity up to 30 kg
- Rubber wheels ensure maximum stability, making the trolley easy to manoeuvre, even on irregular surfaces
- Perforated side panels allow end-user add different Xpand accessories
- Strong and secure round locking system protects the tool trolley against theft
- Scratchproof powder coating outside and inside assures a high protection against rust
- Shock protecting corner bumpers minimise the chance of injuries and damage to surrounding objects
- Dual-walled case ensures that the drawers always open after a collision damages the outside wall
- A wide range of Fit&Go ready-to-use foam inlays with tools is available

												
1472K7	7314150349487	1	952 x 510 x 782 mm	600 kg	7	445 mm	543 mm	30 kg	125 mm	30 mm	71.20 kg	2009

**1472K8****26" E72 Storage HUB Tool Trolleys with 8 Drawers**

- 8 drawers heavy-duty tool trolley is based on a solid steel dual-walled case construction
- Fully opening drawers equipped with ball-bearing sliders that glide very smoothly and have a capacity up to 30 kg
- Rubber wheels ensure maximum stability, making the trolley easy to manoeuvre, even on irregular surfaces
- Perforated side panels allow end-user add different Xpand accessories
- Strong and secure round locking system protects the tool trolley against theft
- Scratchproof powder coating outside and inside assures a high protection against rust
- Shock protecting corner bumpers minimise the chance of injuries and damage to surrounding objects
- Dual-walled case ensures that the drawers always open after a collision damages the outside wall
- A wide range of Fit&Go ready-to-use foam inlays with tools is available

												
1472K8	7314150349494	1	952 x 510 x 782 mm	600 kg	8	445 mm	543 mm	30 kg	125 mm	30 mm	75.40 kg	2009

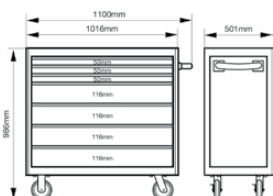
**1475KXL6****40" Classic C75 Tool Trolleys with 6 Drawers**

- 6 drawer extra large capacity trolley
- Lock & Go! latching system prevents drawers from opening when the trolley is being moved
- Fully opening 30 kg capacity drawers equipped with ball-bearing sliders for smooth opening
- Inside and outside of the case and drawers have a scratch-proof and anti-rust powder coating
- Double walled case: if the outside wall is damaged in a collision, the double walled case ensures that the drawers will always open
- Solid steel construction: the double walled case is strengthened with strategically positioned welding points
- Anti-slip rubber worktop
- A solid handle that can be fixed in both side of the trolley
- Strong and secure round locking system protects the trolley against theft
- Noiseless rubber wheels 150x50 mm with 2 brakes ensure maximum stability: 2 fixed and 2 swivel with brake
- Available in different colours
- Add a variety of accessories to the side panels

												
1475KXL6	7314150349968	1	986 x 501 x 1100 mm	900 kg	6	445 mm	880 mm	30 kg	150 mm	50 mm	97.20 kg	2009



TOOL TROLLEYS

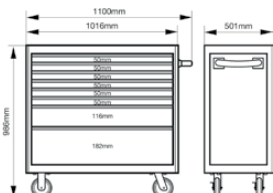


1475KXL7

40" Classic C75 Tool Trolleys with 7 Drawers

- 7 drawer extra large capacity trolley
- Lock & Go! latching system prevents drawers from opening when the trolley is being moved
- Fully opening 30 kg capacity drawers equipped with ball-bearing sliders for smooth opening
- Inside and outside of the case and drawers have a scratch-proof and anti-rust powder coating
- Double walled case: if the outside wall is damaged in a collision, the double walled case ensures that the drawers will always open
- Solid steel construction: the double walled case is strengthened with strategically positioned welding points
- Anti-slip rubber worktop
- A solid handle that can be fixed in both side of the trolley
- Strong and secure round locking system protects the trolley against theft
- Noiseless rubber wheels 150x50 mm with 2 brakes ensure maximum stability: 2 fixed and 2 swivel with brake
- Available in different colours
- Add a variety of accessories to the side panels

												
1475KXL7	7314150349975	1	986 x 501 x 1100 mm	1100 kg	7	445 mm	880 mm	30 kg	150 mm	50 mm	99 kg	2009

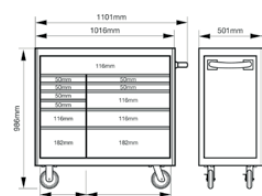


1475KXL8

40" Classic C75 Tool Trolleys with 8 Drawers

- 8 drawer extra large capacity trolley
- Lock & Go! latching system prevents drawers from opening when the trolley is being moved
- Fully opening 30 kg capacity drawers equipped with ball-bearing sliders for smooth opening
- Inside and outside of the case and drawers have a scratch-proof and anti-rust powder coating
- Double walled case: if the outside wall is damaged in a collision, the double walled case ensures that the drawers will always open
- Solid steel construction: the double walled case is strengthened with strategically positioned welding points
- Anti-slip rubber worktop
- A solid handle that can be fixed in both side of the trolley
- Strong and secure round locking system protects the trolley against theft
- Noiseless rubber wheels 150x50 mm with 2 brakes ensure maximum stability: 2 fixed and 2 swivel with brake
- Available in different colours
- Add a variety of accessories to the side panels

												
1475KXL8	7314150349982	1	986 x 501 x 1100 mm	1100 kg	8	445 mm	880 mm	30 kg	150 mm	50 mm	113 kg	2009

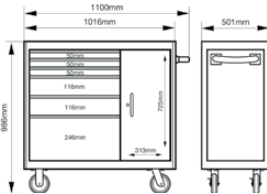


1475KXL12

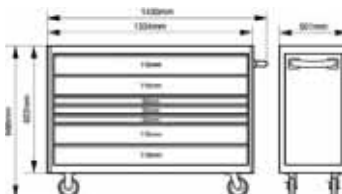
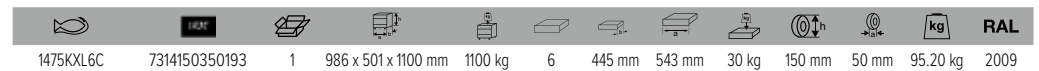
40" Classic C75 Tool Trolleys with 12 Drawers

- 12 drawer extra large capacity trolley
- Lock & Go! latching system prevents drawers from opening when the trolley is being moved
- Fully opening 30 kg capacity drawers equipped with ball-bearing sliders for smooth opening
- Inside and outside of the case and drawers have a scratch-proof and anti-rust powder coating
- Double walled case: if the outside wall is damaged in a collision, the double walled case ensures that the drawers will always open
- Solid steel construction: the double walled case is strengthened with strategically positioned welding points
- Anti-slip rubber worktop
- A solid handle that can be fixed in both side of the trolley
- Strong and secure round locking system protects the trolley against theft
- Noiseless rubber wheels 150x50 mm with 2 brakes ensure maximum stability: 2 fixed and 2 swivel with brake
- Available in different colours
- Add a variety of accessories to the side panels

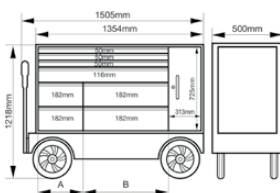
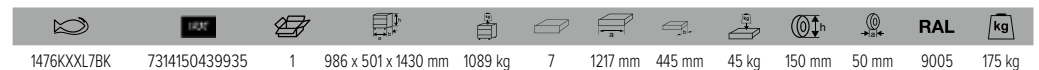
								A	B					RAL
1475KXL12	7314150350223	1	986 x 501 x 1100 mm	1100 kg	12	445 mm	880 mm	284 mm	543 mm	30 kg	150 mm	50 mm	111 kg	2009



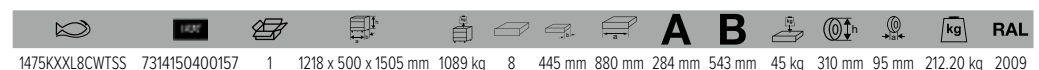
- 6 drawer extra large capacity trolley with cabinet
- Lock & Go! latching system prevents drawers from opening when the trolley is being moved
- Fully opening 30 kg capacity drawers equipped with ball-bearing sliders for smooth opening
- Scratchproof powder coating
- Double walled case: if the outside wall is damaged in a collision, the double walled case ensures that the drawers will always open
- Solid steel construction: the double walled case is strengthened with strategically positioned welding points
- Anti-slip rubber worktop
- A solid handle that can be fixed in both side of the trolley
- Strong and secure round locking system protects the trolley against theft
- Noiseless rubber wheels 150x50 mm with 2 brakes ensure maximum stability: 2 fixed and 2 swivel with brake
- Available in different colours
- Add a variety of accessories to the side panels



- 7 drawer heavy duty 53" tool trolley
- The unique IDAAT system ensures that only one drawer can be opened at a time, avoiding any risk of tilting
- Fully opening drawers with aluminium trim
- Scratchproof powder coating
- Double walled ensures that the drawers still open after collision damage to the outer wall
- Sturdy steel construction: the double walled case is strengthened with strategically positioned welds
- A solid handle that can be fixed in both side of the trolley
- Strong and secure cylindrical locking system protects the trolley against theft
- Noiseless rubber wheels 150x50 mm with 2 brakes ensure maximum stability: 2 fixed and 2 swivel with brake
- Add a variety of accessories to the side



- 8-Drawer extra-large capacity trolley
- Lock&Go latching system prevents drawers from opening when the trolley is being moved
- Fully opening drawers with aluminium trims
- Scratchproof powder coating
- Solid steel construction: The double walled case is strengthened with strategically positioned welding points
- Stainless steel top
- Noiseless rubber wheels 320x85 mm ensure maximum stability
- Double-walled case: If the outside wall is damaged in a collision, the double-walled case ensures that the drawers will always open
- Strong and secure round locking system protects the trolley against theft
- Add a variety of accessories to the side panels





- Heavy duty tool trolley composed of 7 drawer E72 trolley plus foam assortment
- Fully opening drawers equipped with ball-bearing slides for smooth motion with load capacity up to 30 kg.
- Rubber wheels ensure maximum stability, making the trolley easy to manoeuvre even on irregular surfaces
- Perforated side panels allow users to add various Xpand accessories
- Strong and secure cylindrical locking system protects the tool trolley against theft
- Scratchproof powder coating outside and inside ensures high protection against rust
- Shock protection corner bumpers minimise the risk of injuries and damage to surrounding objects
- Dual-walled case ensures that the drawers still open after collision damage to the outer wall
- Replace the standard anti-slip rubber top with stainless steel, MDF or chestnut to meet the needs of every job
- Contents: FF1ASET-LARGE set

																																																																																																																				
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FF1ASET-LARGE



- Heavy duty tool trolley composed of 9 drawers E77 trolley plus 4 drawers E87 top chest plus foam assortment
- Based on a sturdy steel dual-walled case construction
- The unique 1DAAT system ensures that only one drawer can be opened at a time, avoiding any risk of tilting
- Fully opening drawers with individual shock-protection corner bumpers
- The pivoting latching system avoids unintentional drawer opening
- Wheels with dual braking system secure the trolley solidly to the ground, preventing movement in any direction
- Unrivalled customisation possibilities thanks to perforated side panels and individual top design
- Xpand modular accessories system available to allow users to configure the perfect workstation
- Ultimate locking system with electronic access control available
- Scratchproof powder coating outside and inside ensures high protection against rust
- Dual-walled case ensures that the drawers still open after collision damage to the outer wall
- Replace the standard composite top with stainless steel, MDF or chestnut to meet the needs of every job
- Contents: FF1ASET-XLARGE set

																																																																																																																				
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FF1ASET-XLARGE



- Heavy duty 40" tool trolley composed of 8 drawer C75 trolley plus 4 drawer E85 top chest plus foam assortment
- Lock&Go latching system prevents drawers from opening when the trolley is being moved
- Fully opening drawers with aluminium trim
- Scratchproof powder coating
- Sturdy steel construction: The double walled case is strengthened with strategically positioned welds
- A solid handle that can be fixed in both side of the trolley
- Strong and secure cylindrical locking system protects the trolley against theft
- Noiseless rubber wheels 150x50 mm with 2 brakes ensure maximum stability: 2 fixed and 2 swivel with brake
- Replace the standard anti-slip rubber top with stainless steel, MDF or chestnut to meet the needs of every job
- Contents: FF1BSET-MONSTER set

												
MONSTER	7314150437405	1	758	1370 x 501 x 1100 mm	1300 kg	50/116/182 mm	445 mm	880 mm	30 kg	150 mm	50 mm	9005

FF1BSET-MONSTER

* The set compositions of MONSTER, XLARGE and LARGE can be found on page 163

**1481K5BLACK****5 Drawer special black chest**

- Drawer large capacity top-chest with top compartment
- The frontal cover provides extra protection and security to avoid damages and opening unintentionally
- Solid steel construction: The double walled case is strengthened with strategically positioned welding points
- Double-walled case: If the outside wall is damaged in a collision, the double-walled case ensures that the drawers will always open
- Scratchproof powder coating outside and inside ensures high protection against rust
- Strong and secure round locking system protects the trolley against theft
- Drawers with plastic trims
- Pocket handle on both sides of the trolley to carry it easily
- Internal dimensions:
 - Top compartment: HxWxD: 98x656x347 mm
 - Small drawers: HxWxD: 46x566x333 mm
 - Bottom drawer: HxWxD: 79x566x333 mm

1481K5BLACK	7314150508945	1	436 x 660 x 373 mm	150 kg	30 kg	55 kg	9005	

**1496MB2****Mason Tool Chests 530x290x290 mm**

- HD construction combining different metal thickness
- Anti-humidity internal 3.2 mm thickness treated plywood
- Lid opening control with L brackets
- 1 latch closing system with hole for padlock
- HD and large swivelling lateral handles ease the transport of the box between 2 people with space for 2 hands
- Reinforcement in key areas and addition of nerves along boxes for strengthening
- Internal removable tray
- Orange powder coating with a textured finishing that is more resistant to the toughest working environments

1496MB2	7314150273478	1	290 x 290 x 530 mm	40 kg	230 mm	518 mm	280 mm	10.6 kg

**1496MB3****Mason Tool Chests 690x360x310 mm**

- HD construction combining different metal thickness
- Anti-humidity internal 3.2 mm thickness treated plywood
- Lid opening control with L brackets
- Document holder under lid
- 1 latch closing system with hole for padlock
- HD and large swivelling lateral handles ease the transport of the box between 2 people with space for 2 hands
- Reinforcement in key areas and addition of nerves along boxes for strengthening
- Internal removable tray
- Orange powder coating with a textured finishing that is more resistant to the toughest working environments

1496MB3	7314150273485	1	310 x 360 x 690 mm	60 kg	250 mm	680 mm	350 mm	13 kg



MASON TOOL CHESTS



1496MB5

Mason Tool Chests 910 x 530 x 530 mm

- HD construction combining different metal thickness
- Anti-humidity internal 3.2 mm thickness treated plywood
- Lid opening control with L brackets
- Document holder under lid
- 2 latch closing system with hole for padlock
- HD and large swivelling lateral handles ease the transport of the box between 2 people with space for 2 hands
- Reinforcement in key areas and addition of nerves along boxes for strengthening
- Internal removable tray
- Orange powder coating with a textured finishing that is more resistant to the toughest working environments

1496MB5	7314150273508	1	530 x 530 x 910 mm	150 kg	375 mm	898 mm	520 mm	25 kg	



1496MB4

Mason Tool Chests 830 x 440 x 340 mm

- HD construction combining different metal thickness
- Anti-humidity internal 3.2 mm thickness treated plywood
- Lid opening control with L brackets
- Document holder under lid
- 2 latch closing system with hole for padlock
- HD and large swivelling lateral handles ease the transport of the box between 2 people with space for 2 hands
- Reinforcement in key areas and addition of nerves along boxes for strengthening
- Internal removable tray
- Orange powder coating with a textured finishing that is more resistant to the toughest working environments

1496MB4	7314150273492	1	340 x 440 x 830 mm	80 kg	280 mm	818 mm	430 mm	17.2 kg	



1497MBW

Wheeled Cantilever Metallic Tool Box

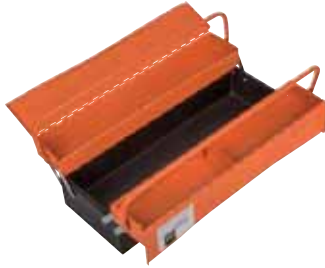
- Heavy Duty Metallic cantilever on wheels made of steel
- Tough powder coated finish
- Huge storage capacity: 7 compartments
 - Bottom part: 640x395x215 mm
 - Most left tray: 395x130x70 mm
 - Middle tray: 395x90x65 mm
 - Bottom tray: 395x220x80 mm
- Upper left and right trays are same size
- Solid and resistant
- By pulling both handles and removing the wooden top the box opens up easily and gives immediate access to all tool compartments
- It can be used indoors and also outdoors
- Due to the special dimensions of its wheels it can be used in muddy and snowy surfaces
- Wooden lid can be used to easily work sitting or if can be hung from the cantilever to access to the content
- It has a long handle to guide it easily

1497MBW	7314150330164	1	549 mm	1213 mm	400 mm	250 kg	125 mm	45 mm	32 kg



1497MBF350

Cantilever Style Tool Boxes with 3 Compartments



- Manufactured from heavier gauge steel, tough powder coated finish
- Lid incorporates provision for a padlock
- 2 foldable handles for compact storage
- Box opens easily by pulling handle up, providing immediate access to all tool compartments
- Excellent storage capacity for a range of hand tools and fixings
- Opens up to expose storage trays, no trays to lift out and no drawers to open

1497MBF350	7314150321391	1	160 mm	530 mm	200 mm	10 kg	3.89 kg	

1497MBF550

Cantilever Style Tool Boxes with 5 Compartments



- Manufactured from heavier gauge steel, tough powder coated finish
- Lid incorporates provision for a padlock
- 2 foldable handles for compact storage
- Box opens easily by pulling handle, providing immediate access to all tool compartments
- Excellent storage capacity for a range of hand tools and fixings
- Opens up to expose storage trays, no trays to lift out and no drawers to open

1497MBF550	7314150321407	1	200 mm	530 mm	200 mm	12 kg	4.58 kg	

1497MBF750

Cantilever Style Tool Boxes with 7 Compartments



- Manufactured from heavier gauge steel, tough powder coated finish
- Lid incorporates provision for a padlock
- 2 foldable handles for compact storage
- Box opens easily by pulling handle, providing immediate access to all tool compartments
- Excellent storage capacity for a range of hand tools and fixings
- Opens up to expose storage trays, no trays to lift out and no drawers to open

1497MBF750	7314150321414	1	250 mm	530 mm	200 mm	15 kg	6.33 kg	

1497MB13FF5

Mason's Tool Chests with 3/4" sockets and accessories



- Metallic mason box
- Reinforcement in key areas and channel profiles on panels for added strength
- Includes handle for easy transport
- Orange powder coating with textured finish for more resistance to the toughest working environments
- Two locks
- A padlock can be placed on each lock
- Includes 15x 3/4" sockets, and extension bar of 400 mm and a breaker bar

1497MB13FF5	7314150504732	1	100 x 230 x 605 mm	30 kg	95 mm	595 mm	210 mm	15 kg

8900DZ-3/4, 8900DZ-7/8, 8900DZ-15/16, 8900DZ-1, 8900DZ-1.1/16, 8900DZ-1.1/2, 8900DZ-1.1/4, 8900DZ-1.1/8, 8900DZ-1.3/4, 8900DZ-1.3/8, 8900DZ-1.5/16, 8900DZ-1.5/8, 8900DZ-1.7/8, 8900DZ-1.11/16, 8900DZ-2

8960-16

8957-19





1497MB13FF4

Mason's Tool Chests with tools

- Metallic mason box
- Reinforcement in key areas and channel profiles on panels for added strength
- Includes handle for easy transport
- Orange powder coating with textured finish for more resistance to the toughest working environments
- Two locks
- A padlock can be placed on each lock
- Includes 15x 3/4" sockets, and extension bar of 200 mm and a ratchet

1497MB13FF4	7314150504725	1	100 x 230 x 605 mm	30 kg	95 mm	595 mm	210 mm	15 kg	

8900DM-19, 8900DM-21, 8900DM-22, 8900DM-23, 8900DM-24, 8900DM-26, 8900DM-27, 8900DM-28, 8900DM-29, 8900DM-30, 8900DM-32, 8900DM-34, 8900DM-35, 8900DM-36, 8900DM-38, 8900DM-41, 8900DM-46, 8900DM-50



8955N



8960-8



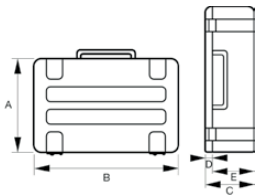
4750RCHDW01

31 L Wheeled Heavy Duty Rigid Cases

- Indestructible tool case with injected copolymer polypropylene structural resin
- They are ideal for use in the harshest environment, such as industrial, aeronautical and nautical fields
- Integrated identification/name badge
- Padlockable
- Interstackable
- 1 retractable handle for when rolling on wheels
- 1 rubber coated heavy duty handle
- 2 closing latches, 4 bottom studs
- Empty case

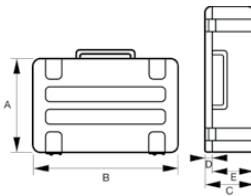
			A	B	C	D	E						
4750RCHDW01	7314150227433	1	545 mm	350 mm	240 mm	50 mm	167 mm	31 l	217 mm	517 mm	277 mm	5.99 kg	

60x20 wheels on ball bearing for easy transport even when very loaded



**4750RCHDW02****53 L Wheeled Heavy Duty Rigid Cases**

- Indestructible tool case with injected copolymer polypropylene structural resin
- They are ideal for use in the harshest environment, such as industrial, aeronautical and nautical fields
- 1 retractable handle for when rolling on wheels
- Padlockable
- Interstackable
- 1 rubber coated heavy duty handle
- 2 PP resin foldable handles on sides for when transporting between 2 persons
- 4 Closing latches, 4 bottom studs
- Integrated identification/name badge
- Empty case

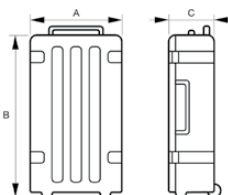


				A	B	C	D	E						
4750RCHDW02	7314150227440	1	630 mm	480 mm	290 mm	60 mm	195 mm	53.01 l	250 mm	538 mm	405 mm	9.14 kg		

60x37 wheels on ball bearings for easy transport even when very loaded

4750RCHDW10**153.9 L Wheeled Heavy Duty Rigid Cases**

- Indestructible injection moulded copolymer polypropylene tool case
- Ideal for use in the harshest environments, such as industrial, aeronautical and nautical
- 1 retractable handle for rolling on wheels
- 60x37 wheels on ball bearings for easy transport even when heavily loaded
- Padlockable
- Interstackable
- 2 PP foldable handles on sides for carrying by 2 persons
- 7 closing latches
- Integrated identification/name badge
- Empty case
- Reinforced angles and ribs for maximum protection
- Corrosion-, water- and dust-proof
- All parts Skydrol resistant
- Extremely resistant to very low and high temperatures: -33°C to +90°C
- Airtight PU injected O-ring seal
- Manual air pressure valve



				A	B	C								
4750RCHDW10	7314150425587	1	560 mm	860 mm	460 mm	153.9 l	415 mm	765 mm	485 mm	15.5 kg				



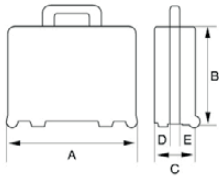
HEAVY DUTY RIGID CASES

4750RCHD011

29 L Heavy Duty Rigid Cases with Tool Pallets



- 4750RCHD01 case with tool pallets
- 1 lid document and tool pallet with rubber strips
- 1 lid tool pallet with rubber strips on one side
- 1 bottom tool pallet with rubber strips on one side
- Bottom area with removable dividers
- 2 small component plastic organizers
- Rubber coated heavy duty handle
- 2 closing latches
- Empty case



			A	B	C	D	E							
4750RCHD011	7314150229802	1	465 mm	415 mm	215 mm	47 mm	147 mm	29.2 l	190 mm	445 mm	345 mm	7.43 kg		

4750RCWD4

150 L Wheeled Rigid Tool Cases with Telescopic Handle and 4 Drawers



- Indestructible tool trolley with injected copolymer polypropylene structural resin
- Able to withstand shocks, rough usage and harsh weather conditions
- Features two side handles, an extractable trolley handle (990 mm. extended height) and four robust and silent wheels
- The upper compartment closed by the top lid, contains a removable tray for spare hand tools placed on top of a recessed area where 5 small component boxes or a laptop computer can be stored
- The lower compartment, protected by a collapsible front door, can accommodate 3 to 8 removable drawers of variable height (30-60-95 mm)
- All drawers, while completely accessible when open, are provided with a self restrain stop to prevent the accidental falling out
- Central lock with key
- I.D. removable label
- Case made of copolymer polypropylene (PP) compound/resin
- Excellent resistance to impacts
- Great performance even under extreme conditions

4750RCWD4	7314150277124	1	575 mm	453 mm	340 mm	30/60/95 mm	463 mm	252 mm	12.99 kg					

**4750RCWD4FF1****Heavy Duty Rigid Case General Purpose Toolkit - 162 Pcs**

- Rigid case with 4 turning wheels, drawers and 162 tools
- Manufactured with structure of polypropylene copolymer resin, conferring extra resistance to blows and durability under extreme working conditions
- TSA-approved padlock
- Telescopic handle
- Dynamic load capacity (in movement): 50 kg
- Static load capacity 150 kg
- Socketry, wrenches, bits, pliers, striking tools, etc.
- 6700SM 1/4" socket hex 6, 7, 8, 9, 10, 11, 12 and 13 mm
- A6800DM 1/4" aerospace, long series socket 5.5, 6, 7, 8, 9, 10, 11, 12 and 13 mm
- 6709M 1/4" socket driver hex 3, 4, 5, 6 and 8 mm
- Square drive socket drivers 1/4" for Philips screws: 6709PH-1, 2 and 3
- Square drive socket drivers 1/4" for TORX® head screws: 6709TORX-T8, T9, T10, T15, T20, T25, T30 and T40
- Reversible ratchet, 1/4": 6950SL
- 1/4" sliding T-handle: 6954
- 1/4" square spinner handle: 6956
- 1/4" breaker bar: 6958
- 1/4" extension bar: 6960, 6962, 6962L
- 1/4" square universal joint: 6966
- 1/4" power socket holder: 6972H
- Decreasing adaptor: 7764
- Sockets 1/2" square drive:
 - 7800SM-8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 25, 26, 27, 28, 30 and 32 mm
- Square drive socket drivers 1/2" for TORX® head screws: 7809TORX-T25, T27, T30, T40, T45 and T50
- Reversible ratchet: 8150RN-1/2
- 1/2" extension bars: 8159-1/2, 8160-1/2, 8162-1/2
- 1/2" universal joint: 8166-1/2
- 111M combination wrench 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 24, 27, 29, 30 and 32 mm
- Adjustable wrench 9070C
- Black keys set for hex screws, long ball end: BE-9770
- Tool Modules: 59/S31
- Feeler gauges: 1544
- Pocket tape: MTB-3-16
- 2101G-160IP side cutting pliers, 160 mm, industrial pack
- Side cutting pliers: 2427 G-200 IP
- Snipe nose pliers: 2430 G-200 IP
- Combination pliers: 2628 G-160IP
- Slip joint pliers: 8224 IP
- 150 mm calliper: 1150-1/2H/P
- Telescopic swivel head mirror: 5515T-52
- Electrician's pocket folding knife: 2820EF2
- Electrician's tool bag: 481-300
- Nylon tip mallet: 3625W-35
- 1/2" breaker bar: 8158-1/2
- 1/2" sliding T-handle: 8154-1/2
- Drift punches: 3734-3, 5 and 8
- Centre punch: 3735-4-120
- Scribers: 2x 1177-SCRIBE
- Flat carpenter square: BFLA01

4750RCWD4FF1	7314150302413	1	162	575 mm	453 mm	340 mm	27 kg

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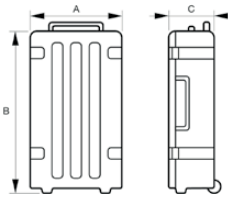
HEAVY DUTY RIGID CASES



4750RCWD4FF1

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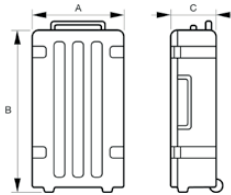
4750RCWD4	
6700SM-10, 6700SM-9, 6700SM-12, 6700SM-11, 6700SM-6, 6700SM-8, 6700SM-7, 6700SM-13	
A6800DM-13, A6800DM-12, A6800DM-9, A6800DM-8, A6800DM-11, A6800DM-10, A6800DM-5.5, A6800DM-7, A6800DM-6	
6709M-3, 6709M-8, 6709M-6, 6709M-5, 6709M-4	
6709PH-1, 6709PH-3, 6709PH-2	
6709TORX-T30, 6709TORX-T27, 6709TORX-T40, 6709TORX-T15, 6709TORX-T10, 6709TORX-T25, 6709TORX-T20, 6709TORX-T9, 6709TORX-T8	
6950SL	
6954	
6956	
6958	
6960, 6962, 6962L	
6966	
6972H	
7764	
7800SM-25, 7800SM-24, 7800SM-27, 7800SM-26, 7800SM-21, 7800SM-23, 7800SM-22, 7800SM-17, 7800SM-16, 7800SM-19, 7800SM-18, 7800SM-13, 7800SM-12, 7800SM-15, 7800SM-14, 7800SM-9, 7800SM-8, 7800SM-11, 7800SM-10, 7800SM-28, 7800SM-32, 7800SM-30	
7809TORX-T45, 7809TORX-T25, 7809TORX-T50, 7809TORX-T30, 7809TORX-T27, 7809TORX-T40	
8150RN-1/2	
111M-30, 111M-32, 111M-27, 111M-29, 111M-24, 111M-19, 111M-18, 111M-21, 111M-15, 111M-14, 111M-17, 111M-16, 111M-11, 111M-10, 111M-13, 111M-12, 111M-7, 111M-6, 111M-9, 111M-8	
9070C	
BE-9770	
2058-BR	
1544	
MTB-3-16	
2101G-160IP	
2427 G-200 IP	
2430 G-200 IP	
2628 G-160IP	
8224 IP	
1150-1/2H/P	
5515T-52	
2820EF2	
481-300	
3625W-35	
3734-3, 3734-5, 3734-8	
3735-4-120	
1177-SCRIBE	
BFLA01	
8160-3, 8160-5, 8160-10	
8166	
8157-15	
8154-11	

**4750RCHDW01FF3****Heavy Duty Rigid Case General Purpose Toolkit - 194 Pcs**

- Heavy duty rigid case with wheels
- Aviation Mechanics, especially for mobile application and suitable for all airplanes
- Manufactured with structure of polypropylene copolymer resin
- Air pressure valve for maximum protection against extreme weather conditions
- Double robust bolt system for hermetic sealing
- TSA-approved padlock
- Includes 194 pieces
- Socketry, wrenches, screwdrivers, sizes: 1/4"; 3/8", pliers and hammers
- Foam codes: FF2B12, FF2B13, FF2B14, FF2B15 & FF2B16
- 4750RCHDW01 heavy-duty hardware rigid case with wheels
- 6700SM 1/4" socket hex 5.5, 6, 7, 8, 9, 10, 11, 12 and 13 mm
- A6800DM 1/4" aerospace, long series socket 5.5, 6, 7, 8, 9, 10, 11, 12 and 13 mm
- 6709M 1/4" socket driver hex 3, 4, 5, 6 and 8 mm
- 6709PH 1/4" socket driver PH1, PH2, PH3
- 6709TORX 1/4" socket driver TORX® T8, T9, T10, T15, T20, T25, T27, T30 and T40
- 6950SL 1/4" reversible ratchet and slim head, 6954 1/4" T-handle, 6956 1/4" spinner handle, 6958 1/4" breaker bar
- 6960/6962 1/4" extension bars 50, 100 and 150 mm
- 6962L 1/4" extension bar 355 mm, 6966 1/4" universal joint, 6972H 1/4" bit holder, 7764 F 3/8" - M 1/4" adaptor
- 7400SM 3/8" socket short series 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 and 22 mm
- A7402DM 3/8" aerospace socket long series 10, 11, 12, 13, 14, 15, 16, 17, 18 and 19 mm
- 7409M 3/8" socket driver hex 3, 4, 5, 6, 7, 8 and 10 mm
- 7409TORX 3/8" socket driver TORX® T25, T27, T30, T40, T45 and T50
- 7750SL 3/8" ratchet slim head
- 7760/7762 3/8" extension bars 75, 125 and 250 mm
- 7766 3/8" universal joint, 7765 F 1/4" - M 3/8" adaptor, 8164-1/2 F 3/8" - M 1/2" adaptor, 7407H 3/8" socket holder 1/4" - 3/8"
- 111M combination wrench 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21 and 22 mm
- 6M open end wrench 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19 and 20x22 mm
- BE-9770 black hex L-key set, long ball end 9 pieces, 1.5, 2, 2.5, 3, 4, 5, 6, 8 and 10 mm
- 9070C ERGO™ adjustable wrench chromed 6", 158 x 20 mm
- 1177-SCRIBE offset scriber 230 mm, 2535F2 magnetic pick up 1 kg, 7758 breaker bar, BFLA01 Q3 LED-torch, 7754 3/8" T-handle
- 808050P pistol handle ratcheting screwdriver, 808050S stubby ratcheting screwdriver
- 59S/31-1 bit set, 31 pieces, Phillips, Pozidriv, TORX®, hexagon, slotted
- 2047-0.8-4 offset screwdriver 0.8x4x100 mm
- 2047PR-1-2 double offset key for Phillips screws PH1-PH2
- BE-8020L ERGO™ screwdriver slotted 0.5x3x75 mm
- BE-8030 ERGO™ screwdriver slotted 0.6x3.5x75 mm
- BE-8155 ERGO™ screwdriver slotted 1.2x6.5x125 mm
- BE-8260 ERGO™ hex profile bolster screwdriver slotted 1.6x8x175 mm
- BE-8350 ERGO™ stubby slotted screwdriver 1x5.5x25 mm
- BE-8601/BE-8602 ERGO™ stubby screwdriver Phillips PH1x25 mm, PH2x25 mm
- BE-8610/BE-8630 ERGO™ screwdriver Phillips PH1x75 mm, PH2x100 mm, PH3x150 mm
- 2058-BR 1/4" bit-ratchet, 1544 feeler gauge, 2509 flexible pick-up tool 525 mm
- MTB-3-16-E measuring tape English 3 m, 2101GC-160IP ERGO™ side cutting pliers 160 mm
- 2427 GC-200IP ERGO™ snipe nose pliers, 200 mm
- 2430 GC-200 IP ERGO™ snipe nose chromed pliers 200 mm
- 2628 GC-160IP ERGO™ combination pliers, chrome finish, 160 mm
- 8224CIP ERGO™ slip joint pliers, 1150-1/2H/P calliper 150 mm
- 5515T-52 telescopic swivel head mirror Ø50 mm, 2820EF2 electricians' knife
- 481-300 DIN hammer 300 mm, 3625W-35 nylon tip hammer
- 3734 drift punch 3, 5 and 8 mm
- 3735-4-120 centre punch 120 mm

4750RCHDW01FF3	7314150249190	1	194	560 mm	365 mm	267 mm	20.47 kg

4750RCHDW01**FF2B12****FF2B13****FF2B14****FF2B15****FF2B16**



4750RCHDW02FF4

Heavy Duty Rigid Case Windmills Standard Application Toolkit - 114 Pcs



- Ready to work at height
- 113 tools for working at height and 1 accessory for storage
- TAH1177-SCRIBE high-performance alloy steel scribes
- TAH2820EF2 folding pocket knife
- TAH6960, TAH6961, TAH6962 and TAH6962L 1/4" extension bars
- TAHBE-8630 Phillips head screwdrivers
- MTS-5-25 Measuring tape
- TAH08-5.5, TAH08-8, TAH08-10 1/4" non-impact sockets
- TAH111M-6, -7, -8, -9, -10, -11, -12, -13, -14, -15, -17, -18, -19, -21, -22, -24, -27, -30, -32 combination spanners
- TAH1150-1/2H/P Vernier callipers
- TAH1544 feelers gauges
- TAH2047-0.8-4 double offset keys
- TAH2047PR-1-2 Phillips offset screwdrivers
- TAH2427G-200 and TAH2430G-200 long nose pliers
- TAH2484-30 pry bars
- TAH2509 and TAH2535F2 flexible pick-up tools
- TAH2628G-160 pliers
- TAH3625W-35 round mallets
- TAH3734BM-3 and TAH3755BM-4, TAH3734BM-5, TAH3734BM-8 punch parallel pin
- TAH481-300 lump hammers
- TAH6950 socket wrenches
- TAH6956-1 1/4" square spinners
- TAH6958B-1 and TAH8158B-1 breaker bars
- TAH6966 universal joint
- TAH8150-1/2 socket wrench
- TAH8160 1/2" extension bars
- TAH8166 1/2" socket wrenches
- TAH8224 slip joint spanners
- TAH9070 adjustable spanners
- TAHBE-8020L, -8040S, -8155, -8260, -8030, -8050S and -8220S screwdrivers
- TAHBE-8610, -8610S, -8620S, -8620 Phillips screwdrivers
- TAHBE-8810, -8830, -8820 Pozidriv screwdrivers
- TAHBE-9777B 7 folding hexagon L-key set
- TAHSCB140G steel cable cutting scissors
- TAH08-6, -7, -9, -11, TAH16-H8, -T55, TAH16B-10, -11, -12, -14, -15, -16, -17, -18, -19, -21, -22, -24 non-impact hex sockets
- TAH08-12, TAH08-13 non-impact hex sockets
- TAH16-H5, -H6, -H7, -H10, -H14, -H17, -T40, -T45, -T50, -T60, TAH16B-13 1/2" square socket drivers
- TAH2101G-160 pliers
- TAH8162 extensions
- TAH9072 adjustable spanners
- 4750RCHDW02 HD rigid case
- TAHPINRELEASER pin releaser
- According to the standards defined by the DROPS drop prevention method

4750RCHDW02FF4	7314150309559	1	114	480 mm	630 mm	290 mm	26 kg

... / ...



4750RCHDW02FF4

.../...

TAH9070, TAH9072	
TAH3625W-35	
TAH481-300	
TAHBE-9777B	
TAH2820EF2	
TAH1150-1/2H/P	
TAH1177-SCRIBE	
TAH1544	
TAH2509	
TAH2535F2	
MTS-5-25	
TAHPINRELEASER	
TAH2427G-200	
TAH2430G-200	
TAH2628G-160	
TAH8224	
TAH2484-30	
TAH3734BM-3, TAH3734BM-8, TAH3734BM-5	
TAH3755BM-4	
TAHSCB140G	
TAHBE-8030, TAHBE-8020L	
TAHBE-8040S, TAHBE-8050S, TAHBE-8220S	
TAHBE-8155	
TAHBE-8260	
TAHBE-8620S, TAHBE-8610S	
TAHBE-8620, TAHBE-8610	
TAHBE-8630	
TAHBE-8810, TAHBE-8820	
TAHBE-8830	
TAH08-5.5, TAH08-9, TAH08-7, TAH08-8, TAH08-13, TAH08-6, TAH08-11, TAH08-10, TAH08-12	
TAH6961, TAH6962, TAH6960, TAH6962L	
TAH6956-1	
TAH6950	
TAH6966	
TAH6958B-1	
TAH16B-27, TAH16B-30, TAH16B-24, TAH16B-22, TAH16B-32, TAH16B-19, TAH16B-21, TAH16B-17, TAH16B-18, TAH16B-11, TAH16B-15, TAH16B-16, TAH16B-13, TAH16B-10, TAH16B-14, TAH16B-12	
TAH16-H8, TAH16-H6, TAH16-H7, TAH16-H5, TAH16-H17, TAH16-H19, TAH16-H12, TAH16-H14, TAH16-H10	
TAH16-T40, TAH16-T45, TAH16-T50, TAH16-T55, TAH16-T60	
TAH8166	
TAH8150-1/2	
TAH8160, TAH8162	
TAH8158B-1	
TAH111M-32, TAH111M-27, TAH111M-24, TAH111M-21, TAH111M-22, TAH111M-19, TAH111M-9, TAH111M-7, TAH111M-8, TAH111M-18, TAH111M-6, TAH111M-16, TAH111M-17, TAH111M-14, TAH111M-15, TAH111M-12, TAH111M-13, TAH111M-10, TAH111M-11, TAH111M-30	
TAH2101G-160	
TAH2047PR-1-2	
TAH2047-0.8-4	
4750RCHDW02	

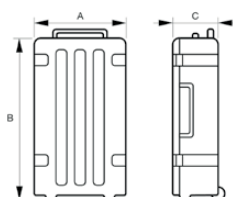


4750RCHDW02FF15

Heavy Duty Rigid Case Windmills Heavy Duty Application Toolkit - 36 Pcs



- Ready to work at height
- 35 tools for working at height and 1 accessory for storage
- TAH1-100-06-2-4 and TAH1-210-06-2-2 second cut flat engineer's files
- TAH1-230-06-2-2 second cut round engineer's files
- TAH3625PU-50 and TAH489-1100 sledge hammers
- TAHBE64520 chain wrenches
- TAPINRELEASER pin releaser
- TAHSCB140G steel cable cutting scissors
- TAH24B-27, TAH24B-30, TAH24B-32, TAH24B-36, TAH24B-38, TAH24B-41, TAH24B-46 and TAH24B-50 3/4" drive sockets
- TAH8950N/A 3/4" square torque wrench inserts
- TAH8961 tools for working at height extension
- TAH8953 universal handles
- TAH7452-2 reversible ratchets
- 7452-7-13, 7452-7-17 and 7452-7-19 open end torque wrench inserts
- TAH7455-300-1 and TAH7435-100 torque wrenches
- TAH111M-34, TAH111M-36, TAH111M-41, TAH111M-46 and TAH111M-50 combination pliers
- TAH7444SG-M-36, TAH7444SG-M-41, TAH7444SG-M-46, TAH7444SG-M-50 and TAH7444SG-M-55 slogging ring spanners
- HD rigid case and 4750RCHDW02 container
- According to the standards defined by the DROPS drop prevention method



4750RCHDW02FF15	7314150347698	1	36	480 mm	630 mm	290 mm	34 kg

TAH1-100-06-2-4	
TAH1-210-06-2-2	
TAH1-230-06-2-2	
TAH3625PU-50	
TAH489-1100	
TAHBE64520	
TAPINRELEASER	
TAHSCB140G	
TAH24B-50, TAH24B-46, TAH24B-41, TAH24B-38, TAH24B-36, TAH24B-32, TAH24B-30, TAH24B-27	
TAH8950N/A	
TAH8961	
TAH8953	
TAH7452-2	
TAH7435-100	
TAH111M-50, TAH111M-46, TAH111M-41, TAH111M-36, TAH111M-34	
TAH7444SG-M-46, TAH7444SG-M-41, TAH7444SG-M-36, TAH7444SG-M-55, TAH7444SG-M-50	
4750RCHDW02	
TAH73R-300	



BENCH VICES



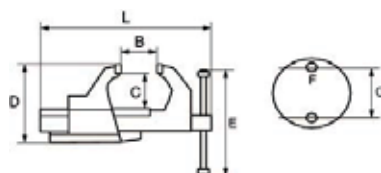
SQUARE GUIDE BENCH VICE / SWIVEL BASE

834V

Heavy Duty Square Guide Bench Vices with Interchangeable Jaws



- Heavy-duty square guide bench vice
- Made of high-grade cast steel
- Interchangeable surface-hardened jaws
- Hardened pipe-gripping jaws and adjustable guide by centrally located screw
- Laminated spindle thread for smooth operation
- Forged and chrome plated spindle with safety rubber rings
- Oversized polished anvil
- Spare jaws and spindle 6072M and 6070H
- Standards: UNE 16598



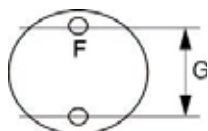
				B	C	D	E	F	G	L	
834V-4	7311518286811	1	100 mm	145 mm	63 mm	122 mm	240 mm	11 mm	90 mm	325 mm	5500 g
834V-5	7311518286828	1	125 mm	170 mm	76 mm	152.5 mm	275 mm	13 mm	115 mm	402 mm	12400 g
834V-6	7311518286835	1	150 mm	230 mm	94 mm	182 mm	310 mm	13 mm	145 mm	492 mm	19000 g
834V-7	7311518286842	1	175 mm	250 mm	112 mm	211 mm	340 mm	17 mm	165 mm	551 mm	29400 g

Slide adjustment screw to regulate the looseness with pipe holding jaws

833SB

Swivel Bases for 6010/6072 and 834V Bench Vices

- For 6010, 6072 and 834V bench vices
- Made of high-grade cast steel
- More versatility for Bahco 6010, 6072 and 834V vices by enabling them to be rotated



						F	G	
833SB-4	7311518286859	1	360 °	80 mm	100 mm	11 mm	90 mm	850 g
833SB-5	7311518286866	1	360 °	100 mm	125 mm	13 mm	115 mm	1150 g
833SB-6	7311518286873	1	360 °	125 mm	150 mm	13 mm	145 mm	1500 g
833SB-7	7311518286880	1	360 °	150 mm	175 mm	17 mm	165 mm	2500 g



TORQUE TOOLS



ELECTRONIC TORQUE WRENCH

TAWMB14_24

Digital Torque and Angle Bluetooth® Wrench with Memory and Rectangular Interchangeable Head



- Bluetooth® real-time 2-way data transfer
- Bahco Connect free app available for Windows 10, Android and iOS in 18 languages
- Easy to set up and use
- Recalibration warning by time and/or number of cycles
- Re-Do option
- Data download through the app
- Torque units in Newton.metre, kg.cm, dNewton.metre, ft.lb, lb.in, and angle units in degrees
- Can be used CW and CCW at temperatures between 5°C and 42°C
- Memory capacity for 1500 readings and up to 50 presets
- Torque, angle, torque and angle, torque then angle, preset and job modes
- Counter
- Data and set value retention during battery exchange
- Programmable automatic shut-off time
- More advanced configurations and settings available in user manual
- Accurate to ±2% CW - 3% CCW between 20% and 100% of max torque
- Accurate to ±4% CW and CCW between 5% and 19% of full scale
- Visual (dual LEDs + backlit LCD display), audible and vibration signal
- 14x18 & 24x32 interchangeable heads for multiple applications and versatility
- All metal body for high strength and long life
- Battery compartment with reverse threaded end cap for AA alkaline batteries (included)
- Supplied in sturdy blow-moulded case with a declaration of conformity according to ISO 6789-1:2017 traceable to International standards
- CE and UKCA marked
- Made in USA

												A	B	C	D	E	
TAWMB14340	7314150489626	1	17-340 N-m	150.5-3009 lbf-in	12.5-250 lbf-ft	14x18 mm	1 N-m	1 lbf-ft	1 lbf-in	0-360°	610 mm	635 mm	530 mm	29 mm	25 mm	1.91 kg	
TAWMB24650	7314150490103	1	32.5-650 N-m	288-5753 lbf-in	24-479.4 lbf-ft	24x32 mm	1 N-m	1 lbf-ft	1 lbf-in	0-360°	857 mm	892 mm	812 mm	55 mm	40 mm	2.47 kg	
TAWMB24800	7314150489633	1	40-800 N-m	354-7080 lbf-in	29.5-590 lbf-ft	24x32 mm	1 N-m	1 lbf-ft	1 lbf-in	0-360°	1180 mm	1215 mm	1035 mm	55 mm	40 mm	4.0 kg	

Accuracy: 20% to 100% of full scale

TAWM9_14_24

Electronic Torque and Angle Wrench with Memory/USB and Rectangular Interchangeable Head



- Torque units in N-m, kg.cm, dN-m, ft.lb, lb.in and angle units in degrees
- Torque range covers from 7 to 800 N-m and from 5.1 to 590 ft.lb
- It can be used CW and ACW at temperatures between 5 °C and 42 °C
- Memory capacity of 1,500 readings and up to 50 presets
- Plug and play USB data download to Excel format
- Torque, angle, torque and angle, torque then angle, preset and job modes
- Counter
- Data and set value retention during battery exchange
- Programmable automatic shut-off time
- Programmable Recalibration warning
- More advanced configurations and settings available in the user manual
- Accurate to ±2% CW and 3% ACW between 20% and 100% of max torque
- Visual (dual LEDs + backlit LCD display), audio and vibration signal
- With 9x12, 14x18 and 24x32 female rectangular interchangeable head receivers
- All in a metal body and bezel for higher strength and duration
- Metal handle with reverse threaded end cap to enclose AA alkaline batteries (included)
- Supplied in sturdy blow mould case
- Supplied with a factory declaration of conformity traceable to International Standards and CE marking
- Made in USA

												A	B	C	D	E	
TAWM9135	7314150340828	1	7-135 N·m	62-1194 lbf·in	5.2-99.5 lbf·ft	9x12 mm	1 N·m	1 lbf·in	1 lbf·in	0-360°	450 mm	468 mm	370 mm	25 mm	19 mm	1.170 kg	
TAWM14340	7314150340835	1	17-340 N·m	150.5-3009 lbf·in	12.5-250 lbf·ft	14x18 mm	1 N·m	1 lbf·in	1 lbf·in	0-360°	610 mm	635 mm	530 mm	29 mm	25 mm	1.565 kg	
TAWM24800	7314150368280	1	40-800 N·m	354-7080 lbf·in	29.5-590 lbf·ft	24x32 mm	1 N·m	1 lbf·in	1 lbf·in	0-360°	1180 mm	1215 mm	1035 mm	55 mm	40 mm	4.100 kg	

Accuracy: 20% to 100% of full scale



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TAW9 MICRO

- |  |  |  |  |  |  |  |  |  |  |  |  | A | B | C | D | E |  |
|---|---|---|---|---|---|---|--|---|---|---|---|----------|----------|----------|----------|----------|---|
| TAW912M | 7314150423163 | 1 | 0.6-12 N·m | 4.4-88 lbf·ft | 0.37-7.38 lbf·in | 9x12 mm | 0.01 N·m | 0.01 lbf·ft | 0.1 lbf·in | 0-360° | 259 mm | 277 mm | 211 mm | 25 mm | 19 mm | 0.390 kg | |
| TAW930M | 7314150422319 | 1 | 1.5-30 N·m | 11-22.1 lbf·ft | 13.2-265 lbf·in | 9x12 mm | 0.01 N·m | 0.01 lbf·ft | 0.1 lbf·in | 0-360° | 259 mm | 277 mm | 211 mm | 25 mm | 19 mm | 0.390 kg | |
| TAW9135M | 7314150502288 | 1 | 6.8-135 N·m | 5-100 lbf·ft | 60-1200 lbf·in | 9x12 mm | 0.1 N·m | 0.1 lbf·ft | 1 lbf·in | 0-360° | 338 mm | 355 mm | 281 mm | 25 mm | 19 mm | 0.73 kg | |

MINING CATALOGUE | 115



ELECTRONIC TORQUE WRENCH

TAW9_14_24

Electronic Torque and Angle Wrench with Rectangular Interchangeable Head



- Torque units in N-m, kg.cm, dN-m, ft.lb, lb.in and angle units in degrees
- Torque range covers from 7 to 800 N-m and from 5.1 to 590 ft.lb
- It can be used CW and ACW at temperatures between 5 °C and 42 °C
- Memory capacity of 50 readings and up to 10 presets
- Torque, angle, torque then angle and preset modes
- Counter
- Data and set value retention during battery exchange
- Programmable automatic shut-off time
- Programmable Recalibration warning
- More advanced configurations and settings available in the user manual
- Accurate to ±2% CW and 3% ACW between 20% and 100% of max torque
- Visual (dual LEDs + backlit LCD display), audio and vibration signal
- With 9x12, 14x18 and 24x32 female rectangular interchangeable head receivers
- All in a metal body and bezel for higher strength and duration
- Metal handle with reverse threaded end cap to enclose AA alkaline batteries (included)
- Supplied in sturdy blow mould case
- Supplied with a factory declaration of conformity and CE marking
- Made in USA

										A	B	C	D	E		
TAW9135	7314150340859	1	7-135 N·m	62-1194 lbf·in	5.2-99.5 lbf·ft	9x12 mm	1 N·m	1 lbf·in	1 lbf·ft	0-360°	450 mm	468 mm	370 mm	25 mm	19 mm	1.170 kg
TAW14340	7314150340842	1	17-340 N·m	150.5-3009 lbf·in	12.5-250 lbf·ft	14x18 mm	1 N·m	1 lbf·in	1 lbf·ft	0-360°	610 mm	635 mm	530 mm	29 mm	25 mm	1.910 kg
TAW24800	7314150368297	1	40-800 N·m	354-7080 lbf·in	29.5-590 lbf·ft	24x32 mm	1 N·m	1 lbf·in	1 lbf·ft	0-360°	1180 mm	1215 mm	1035 mm	55 mm	40 mm	4 kg

Accuracy: 20% to 100% of full scale

TAW MICRO

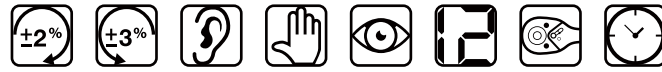
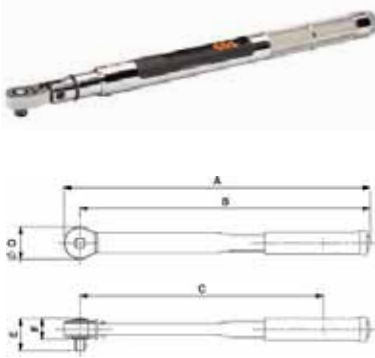
Electronic Torque and Thin Angle Wrench with Fixed Ratchet Head



- Torque units in N-m, kg.cm, dN-m, ft.lb, lb.in (cN-m and in.oz depending on range) and angle units in degrees
- Torque range covers from 0.6 to 135 N-m and from 5.3 to 1200 in.lb
- It can be used CW and ACW at temperatures between 5 °C and 42 °C
- Memory capacity of 50 readings and up to 10 presets
- Torque, angle, torque then angle and preset modes
- Counter
- Data and set value retention during battery exchange
- Programmable automatic shut-off time
- More advanced configurations and settings available in the user manual
- Accurate to ±2% CW and 3% ACW between 20% and 100% of max torque
- Visual (dual LEDs + backlit LCD display), audio and vibration signal
- 1/4" square drive 40-tooth fixed ratchet head
- All in a metal body and bezel for higher strength and duration
- Metal handle with reverse threaded end cap to enclose AA alkaline batteries (included)
- Supplied in sturdy blow mould case
- Supplied with a factory declaration of conformity and CE marking
- 2014/30/EC, ISO 6789
- Made in USA

											A	B	C	D	E	F	
TAW1412M	7314150423156	1	0.6-12 N·m	4.4-88 lbf·in	0.37-7.38 lbf·ft	1/4 in	0.01 N·m	0.01 lbf·ft	0.1 lbf·in	0-360°	292 mm	280 mm	232 mm	22 mm	21 mm	12 mm	0.405 kg
TAW1430M	7314150422289	1	1.5-30 N·m	13.2-265 lbf·in	1.1-22.1 lbf·ft	1/4 in	0.01 N·m	0.01 lbf·ft	0.1 lbf·in	0-360°	292 mm	280 mm	232 mm	22 mm	21 mm	12 mm	0.405 kg
TAW38135M	7314150502295	1	6.8-135 N·m	60-1200 lbf·in	5-100 lbf·ft	3/8 in	0.1 N·m	0.01 lbf·ft	1 lbf·in	0-360°	389 mm	376 mm	318 mm	34 mm	34 mm	20 mm	0.73 kg

Accuracy: 20% to 100% of full scale





WINDOW CLICK TORQUE WRENCH / CLICK TORQUE WRENCH METAL HANDLE

74WR-50/74WR-400

Mechanical Adjustable Torque Click Wrench with Window Scale and Fixed Push-Through Ratchet Head

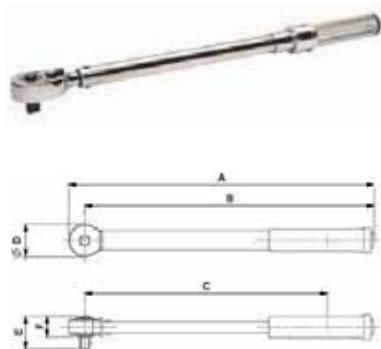


- Durable, reliable and accurate mechanism
- Fast scale adjustment reducing the effort required to adjust
- Large dual scale in N-m/ft.lb
- Range covering from 10 and 400 N-m/7.5 - 300 ft.lb torque values
- Can be used clockwise or anticlockwise by pushing across the square drive of the ratchet head
- Accurate to $\pm 3\%$ of reading which exceeds the requirements of ISO 6789-1:2017
- Clicking system triggers a tactile and audible signal
- Push-through ratchet heads from 3/8" to 3/4" square drives allowing CW and ACW operations
- Handle centre or calibration force point marked on handle
- Lock/unlock knob with blue ring inside to warn the operator the wrench is unlocked
- In a semi-transparent square tube with eurohole hanger
- All wrenches come with a factory calibration certificate according to ISO 6789-2:2017
- Made in the UK

									A	B	C	D	E	F	kg
74WR-50	7314150415533	1	10-50 N-m	7.5-37.5 lbf-ft	3/8"	0.5 N-m	0.5 lbf-ft		335 mm	317 mm	231 mm	35 mm	37 mm	26 mm	0.7 kg
74WR-100	7314150415540	1	20-100 N-m	15-75 lbf-ft	1/2"	1 N-m	1 lbf-ft		387 mm	364 mm	278 mm	45 mm	48 mm	32 mm	0.9 kg
74WR-100B	7314150469871	1	20-100 N-m	15-75 lbf-ft	3/8"	1 N-m	1 lbf-ft		387 mm	364 mm	278 mm	36 mm	37 mm	26 mm	0.9 kg
74WR-200	7314150415557	1	40-200 N-m	30-150 lbf-ft	1/2"	2 N-m	2 lbf-ft		470 mm	447 mm	361 mm	45 mm	48 mm	32 mm	1.1 kg
74WR-300	7314150415564	1	60-300 N-m	45-220 lbf-ft	1/2"	2 N-m	2 lbf-ft		593 mm	567 mm	480 mm	52 mm	48 mm	33 mm	1.4 kg
74WR-340	7314150415571	1	60-340 N-m	45-250 lbf-ft	1/2"	5 N-m	2 lbf-ft		685 mm	659 mm	572 mm	52 mm	48 mm	33 mm	1.5 kg
74WR-400	7314150415588	1	80-400 N-m	60-300 lbf-ft	3/4"	5 N-m	5 lbf-ft		686 mm	661 mm	574 mm	51 mm	47 mm	24 mm	1.9 kg

7455

Mechanical Adjustable Torque Click Wrench with Marked Scale and Fixed Ratchet Head



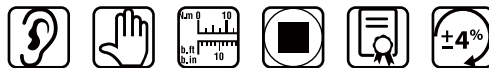
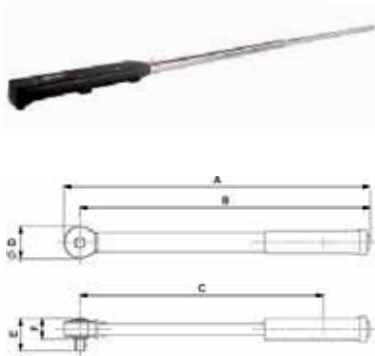
- Dual scales in N-m/ft.lb and N-m/in.lb (sizes 5-25 N-m)
- Range covering between 1 and 1,000 N-m /11 in.lb and 701 ft.lb torque values
- Can be used clockwise or anticlockwise
- Controlled torque application events to $\pm 4\%$ CW and ACW
- Clicking system triggers a tactile and audible signal
- Fixed ratchet heads with 24-36 teeth from 1/4 to 1" square drives (1/4" to 1/2" with quick release)
- All-metal rugged, durable wrench with sealed mechanism
- Anti-slip knurled metal handle resistant to impact, pressure and chemicals
- Sizes 5 to 340 N-m come in a semi-transparent tube with eurohole
- Sizes above in plastic blow mould case
- All wrenches come with a factory declaration of conformity according to ISO 6789-1:2017
- Made in USA

									A	B	C	D	E	F	kg
7455-5	7314150119639	1	1-5 N-m	11-42 lbf-in	1/4 in	0.05 N-m	0.4 lbf-in		258 mm	245 mm	200 mm	27 mm	24 mm	16 mm	0.386 kg
7455-15	7314150119646	1	3-15 N-m	31-128 lbf-in	1/4 in	0.1 N-m	0.89 lbf-in		258 mm	245 mm	200 mm	27 mm	24 mm	16 mm	0.409 kg
7455-20	7314150125074	1	4-20 N-m	40-173 lbf-in	1/4 in	0.1 N-m	0.89 lbf-in		258 mm	245 mm	200 mm	27 mm	24 mm	19 mm	0.386 kg
7455-25	7314150125081	1	5-25 N-m	49-217 lbf-in	1/4 in	0.1 N-m	0.89 lbf-in		286 mm	273 mm	226 mm	27 mm	24 mm	16 mm	0.410 kg
7455-60	7314150125098	1	12-60 N-m	9.2-42.4 lbf-ft	3/8 in	0.5 N-m	0.3 lbf-ft		393 mm	376 mm	326 mm	34 mm	30 mm	20 mm	1.135 kg
7455-100	7314150125111	1	20-100 N-m	16.6-71.9 lbf-ft	3/8 in	0.5 N-m	0.6 lbf-ft		400 mm	383 mm	333 mm	34 mm	30 mm	20 mm	1.135 kg
7455-100A	7314150340156	1	20-100 N-m	16.6-71.9 lbf-ft	1/2 in	0.5 N-m	0.65 lbf-ft		414 mm	395 mm	345 mm	43 mm	41 mm	26 mm	1.290 kg
7455-200	7314150125128	1	40-200 N-m	37-140 lbf-ft	1/2 in	2 N-m	1.5 lbf-ft		474 mm	455 mm	405 mm	43 mm	41 mm	26 mm	1.430 kg
7455-300	7314150125104	1	60-300 N-m	52-314 lbf-ft	1/2 in	2 N-m	1.5 lbf-ft		483 mm	465 mm	415 mm	43 mm	41 mm	26 mm	1.440 kg
7455-340	7314150125135	1	68-340 N-m	52-243 lbf-ft	1/2 in	2 N-m	1.5 lbf-ft		613 mm	595 mm	545 mm	43 mm	41 mm	26 mm	1.680 kg
7455-500	7314150125142	1	100-500 N-m	83-359.6 lbf-ft	3/4 in	5 N-m	1.8 lbf-ft		870 mm	830 mm	780 mm	65 mm	53 mm	29 mm	4.370 kg
7455-800	7314150125159	1	160-800 N-m	129-572 lbf-ft	3/4 in	5 N-m	3.7 lbf-ft		1047 mm	1015 mm	970 mm	65 mm	53 mm	29 mm	5.310 kg
7455-1000	7314150368303	1	200-1000 N-m	184-701 lbf-ft	1 in	10 N-m	7.4 lbf-ft		1055 mm	1010 mm	970 mm	78 mm	68 mm	38 mm	6.350 kg

**7455-1500****Mechanical Adjustable Torque Click Wrench with Marked Scale, Fixed Ratchet Head and 2 Section Handle**

- Dual scale in N-m/ft.lb
- Can be used clockwise or anticlockwise
- Controlled torque application events to $\pm 4\%$ CW and ACW
- Clicking system triggers a tactile and audible signal
- Fixed ratchet head with 24 teeth in 1" square drive
- All-metal rugged, durable wrench with sealed mechanism
- Supplied in two pieces which need to be assembled for use and calibration
- Supplied in a metal case with foam
- Supplied with a factory declaration of conformity according to ISO 6789-1:2017
- Made in USA

									A	B	C	D	E	F	
7455-1500	7314150125166	1	300-1500 N-m	258-1069 lbf-ft	1 in	10 N-m	7.4 lbf-ft		1780 mm	1740 mm	1690 mm	78 mm	68 mm	38 mm	11.395 kg

7455-2500**Mechanical Adjustable Torque Click Wrench with Marked Scale and Fixed Square Drive Head**

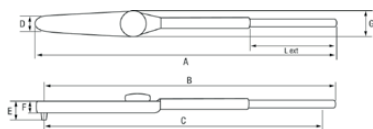
- Dual scale N-m/ft.lb
- Can be used clockwise
- Controlled torque application events to $\pm 4\%$ CW
- Clicking system triggers a tactile and audible signal
- Fixed square drive head without a ratcheting mechanism for high torque application
- All-metal rugged, durable wrench with sealed mechanism
- Supplied in three pieces which need to be assembled for use and calibration
- Supplied with a factory declaration of conformity according to ISO 6789-1:2017
- Made in USA

									A	B	C	D	E	F	
7455-2500	7314150125173	1	500-2500 N-m	406-1807 lbf-ft	1 in	10 N-m	7.4 lbf-ft		2720 mm	2675 mm	2625 mm	99 mm	108 mm	75 mm	24.120 kg

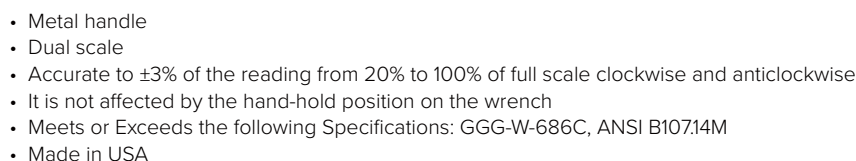
75R3/75R1**Mechanical Adjustable Free Hand Point Torque Click Wrench with Fixed Ratchet Head**

- Non-length-dependant so can be used with or without the supplied extension handle (optional on 650 N-m)
- Large dual scale in N-m/ft.lb
- Range covering from 130 to 1,500 N-m/100 - 1100 ft.lb torque values
- Can be used clockwise or anticlockwise by pushing across the square drive of the ratchet head
- Accurate to $\pm 3\%$ of reading which exceeds the requirements of ISO 6789-1:2017
- Exceptionally clear torque signal from the unique mechanism
- Push-through ratchet heads allowing CW and ACW operation
- Extension handle significantly reduces operator effort to achieve high torque values
- All in a portable sturdy blow mould case
- All wrenches come with a factory calibration certificate according to ISO 6789-2:2017
- Made in the UK

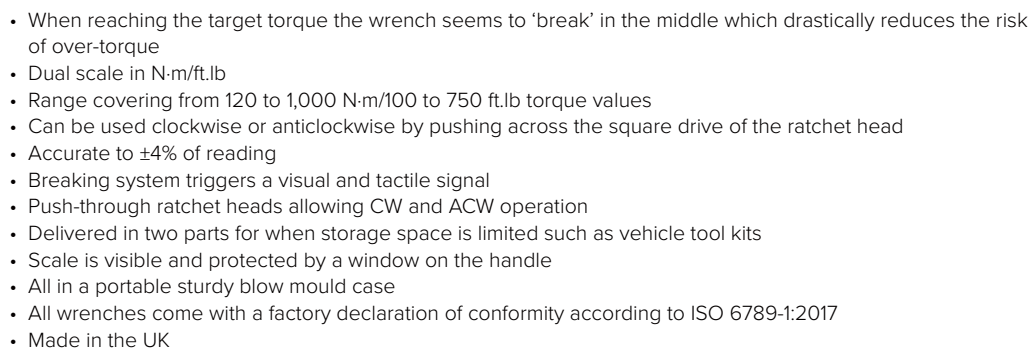
									A	B	C	D	E	F	L _{EXT}	
75R3-650	7314150415205	1	130-650 N-m	100-480 lbf-ft	3/4" in	5 N-m	5 lbf-ft		856 mm	823 mm	713 mm	66 mm	56 mm	30 mm	- mm	4.000 kg
75R3-800	7314150415212	1	200-800 N-m	150-600 lbf-ft	3/4" in	10 N-m	5 lbf-ft		1037 mm	999 mm	889 mm	75 mm	58 mm	33 mm	490 mm	5.200 kg
75R3-1000	7314150415229	1	300-1000 N-m	220-750 lbf-ft	3/4" in	10 N-m	5 lbf-ft		1245 mm	1208 mm	1097 mm	75 mm	58 mm	38 mm	490 mm	5.800 kg
75R1-1500	7314150415236	1	500-1500 N-m	370-1100 lbf-ft	1" in	10 N-m	10 lbf-ft		1571 mm	1533 mm	1422 mm	75 mm	66 mm	38 mm	490 mm	6.700 kg

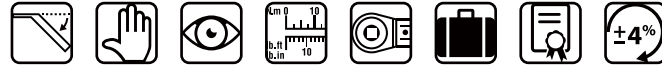


Mechanical Torque Wrench with Dial Scale, Fixed Square Drive Head & Metal Handle



Mechanical Adjustable Window Scale Breaking Torque Wrench with Fixed Ratchet Head

120 | MINING CATALOGUE

**76R1-2000****Mechanical Adjustable Breaking Torque Wrench with Fixed Ratchet Head and Double Adjusting Bar**

- When reaching the target torque the wrench seems to 'break' in the middle which drastically reduces the risk of over-torque
- Dual scale in N-m/ft.lb
- Can be used clockwise or anticlockwise by pushing across the square drive of the ratchet head
- Accurate to $\pm 4\%$ of reading
- Breaking system triggers a visual and tactile signal
- Delivered in two parts for when storage space is limited such as vehicle tool kits
- Scale is laser etched at 2 ends of the 2 hex bars at the end of the handle
- All in a portable sturdy blow mould case
- All wrenches come with a factory declaration of conformity according to ISO 6789-1:2017
- Made in the UK

								A	B	C	D	E	F	H	I	J	
76R1-2000	7314150522378	1	900-2000 N-m	700-1500 lbf-ft	1 in	50 N-m	50 lbf-ft	1855 mm	1820 mm	1773 mm	69 mm	75 mm	1379 mm	35 mm	85 mm	38 mm	12.75 kg

89049TM-1000**Hand Torque Multiplier with Offset and Straight Reaction Arms**

- Max torque output of 1,000 N-m
- Always use with torque wrench (CW and ACW) to avoid exceeding the maximum torque of the multiplier
- Accuracy $\pm 4\%$
- Small and compact design
- Supplied with straight and offset reaction arms for maximum versatility
- Quick change offset arm with improved flexibility allowing reaction in eight orientations
- 5:1 nominal torque multiplication reaction-dependant. Ratio with offset arm is 4.8:1; with straight reaction being 4.9:1
- Made in the UK

								D	H1	H2	L	R1	R2 min	R2 max	R3 max			
89049TM-1000	7314150415403	1	1000 N-m	1/2 in	4.8:1/4.9:1*	208 N-m	3/4 in	65 mm	63 mm	21 mm	273 mm	55 mm	83 mm	143 mm	240 mm	0.5 kg	0.69 kg	2.700 kg

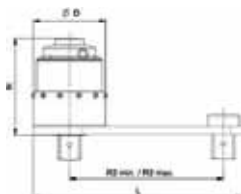
8905-TM/9505-TM**Hand Torque Multiplier with Offset and Straight Reaction Arms**

- Range covers, max output torque up to 2,700 N-m
- Always use with torque wrench (CW and ACW) to avoid exceeding the maximum torque of the multiplier
- Accuracy $\pm 4\%$
- Supplied with straight and offset reaction arms
- Supplied in a portable blow mould case
- Made in the UK

								D	R3 max	H1	L	R2 max	R2 min	R1				
8905-TM	7314150125470	1	1300 N-m	3/4 in	5:1	260 N-m	1/2 in	108 mm	344 mm	103 mm	210 mm	212 mm	140 mm	77 mm	3.8 kg	1.06 kg	1.36 kg	3.700 kg
9505-TM	7314150125487	1	2700 N-m	1 in	5:1	540 N-m	3/4 in	108 mm	344 mm	100 mm	210 mm	212 mm	140 mm	85 mm	3.8 kg	1.06 kg	1.36 kg	3.700 kg



TORQUE MULTIPLIERS

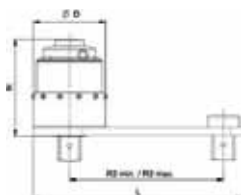


9505

Hand Torque Multiplier with Reaction Plate

- Reaction plate with sliding point allows choosing the best reaction point for the job at hand
- The further from the bolt to fasten, the better
- Use always with torque wrench (CW and CCW) to avoid exceeding the maximum torque of the multiplier
- Accuracy $\pm 4\%$
- Supplied in portable fabric bag
- Made in UK

9505-3400	7314150125517	1	3400 N-m	3/4 in	5:1	680 N-m	1 in	119 mm	106 mm	355 mm	86 mm	263 mm	7.200 kg

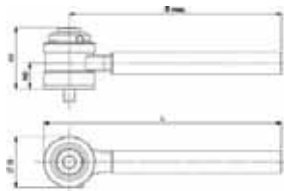


9525-9625

Hand Torque Multiplier with Reaction Plate and Ratcheting Locking System

- Ratcheting locking system contains the forces generated during tightening which makes possible what otherwise would be difficult, dangerous or even impossible
- Reaction plate with sliding point allows choosing the best reaction point for the job at hand
- Range covers, max output torque up to 9500 Newton Meter
- Use always with torque wrench (CW and CCW) to avoid exceeding the maximum torque of the multiplier
- Accuracy $\pm 4\%$
- Supplied in portable fabric bag up to 3400 Newton Meter and in rigid case with wheels on sizes above
- Made in UK

9525-3400	7314150125524	1	3400 N-m	1/2 in	25:1	136 N-m	1 in	119 mm	132 mm	355 mm	86 mm	263 mm	10.000 kg
9625-9500	7314150125555	1	9500 N-m	3/4 in	25:1	380 N-m	1 1/2 in	184 mm	162 mm	448 mm	175 mm	351 mm	25.700 kg



95155B/9526B

Hand Torque Multiplier with Straight Reaction Arm

- Ratcheting locking system available on all multipliers
- Angle protractor for easy torque and angle tightening
- Range covers max output torque up to 4,500 N-m
- Always use with torque wrench (CW and ACW) to avoid exceeding the maximum torque of the multiplier
- Accuracy $\pm 4\%$
- The ratcheting locking system contains the forces generated during tightening which makes it easy to do what would otherwise be difficult, dangerous or even impossible
- Supplied with straight reaction bar
- Supplied in a portable plastic case with foam inlay
- True 15.5:1 (3,000 N-m) or 26:1 (4,500 N-m) torque multiplication ratios allow the use of a small torque wrench
- Made in the UK

95155B-3000	7314150415410	1	3000 N-m	1/2 in	15.5:1	193 N-m	1 in	108 mm	131 mm	55 mm	504 mm	450 mm	1.9 kg
9526B-4500	7314150415427	1	4500 N-m	1/2 in	26:1	173 N-m	1 in	108 mm	149 mm	55 mm	504 mm	450 mm	1.9 kg





AIR TOOLS



AIR TOOLS



BPC815

1/2" Composite Impact Wrenches with Twin Hammer Mechanism 786 N-m

- 1/2" pneumatic impact wrench
- Light, durable and insulated composite housing
- Powerful twin hammer mechanism
- Easy one-hand forward and reverse change
- Power regulator
- Three-step power regulator
- 360° swivel connection to avoid hose coiling
- Progressive trigger mechanism
- Built-in silencer

				BAR											
BPC815	7314150296385	1	1/2 in	6,3 bar	1/4 in	10 mm	113 l/min	786 N-m	1112 N-m	8000 min	1250	88 dBA	7,7 m/s ²	187 mm	1.98 kg



BPC817

3/4" Square Drive Lightweight Impact Wrenches with Twin Hammer Mechanism

- 3/4" pneumatic impact wrench
- Light, durable and insulated composite housing
- Powerful twin hammer mechanism
- Easy forward and reverse change
- Three-step power regulator
- 360° swivel connection to avoid hose coiling
- Progressive trigger mechanism
- Built-in silencer

				BAR											
BPC817	7314150296422	4	3/4 in	6,2 bar	3/8 in	10 mm	198 l/min	1627 N-m	2034 N-m	5000 min	916	96 dBA	11,6 m/s ²	220 mm	3.44 kg



BP901

1" Square Drive Lightweight Impact Wrenches with Durable Rocking Dog Mechanism

- Extremely strong machine, 2550 N-m in forward and 3500 N-m in reverse
- Low noise and low vibration
- Durable rocking dog mechanism
- Three-step power regulator
- Comfortable support handle included

				BAR											
BP901	7314150336012	1	1 in	6,2 bar	1/2" in	13 mm	460 l/min	2550 N-m	3500 N-m	3800 min	400	87,5 dBA	6,17 m/s ²	409 mm	11.9 kg



BP901L

1" Square Drive Lightweight Impact Wrenches with Durable Rocking Dog Mechanism and 9" Anvil

- Impact wrench 1"
- Extremely strong machine, 2550 N-m in forward and 3500 N-m in reverse
- Low noise and low vibration
- Durable rocking dog mechanism
- Three-step power regulator
- Comfortable support handle included
- 9" anvil to reach every nut

				BAR											
BP901L	7314150336029	1	1 in	6,2 bar	1/2" in	13 mm	460 l/min	2550 N-m	3500 N-m	3800 min	400	87,5 dBA	6,17 m/s ²	587 mm	13.3 kg

**BP905P****1" Square Drive Lightweight Impact Wrenches with Twin Hammer Clutch Mechanism**

- Power regulator: 3 positions in forward and reverse
- Adjustable side handle
- Air exhaust in handle
- Twin hammer clutch mechanism

			BAR												
BP905P	7314150336210	2	6.2 bar	1/2" in	13 mm	282 l/min	300-1965 N·m	2440 N·m	6000 min	950	99 dBA	21 m/s ²	247 mm	1 in	6.3 kg

**GL010****Power Tool Gloves with Absorption Pad and Anti-Vibration Pad**

- Made of first class PU coated polyester
- Absorbing pad on thumb
- Anti-vibration pads on fingers and palms
- Reflective strip across the back
- Adjustable Velcro strap wrist closure
- Certification CE CAT 2
- Mechanical properties: EN388:2016 Levels 1322X
- General Requirement as per EN420:2003

GL010-8	7314150167081	5	8	90 g

**BP822****Die Grinders with Rubber Grip**

- Rigid housing covered with insulated rubber grip
- Easily accessible air regulator at end of handle
- 360° swivel connection to avoid hose coiling
- Progressive lever mechanism with safety trigger
- Includes one 3 mm collet

			BAR									
BP822	7314150134984	1	6.3 bar	1/4" in	10 mm	170 l/min	25,000 min	85 dBA	<2.5 m/s ²	250 W	165 mm	0.50 kg

**BP822E****Air Die Grinders with 6 mm Shank, Long Anvil and Rubber Grip**

- Rigid housing covered with insulated rubber grip
- Easily accessible air regulator at end of handle
- 360° swivel connection to avoid hose coiling
- Progressive lever mechanism with safety trigger
- Includes one 3 mm collet

			BAR									
BP822E	7314150184279	10	6.3 bar	1/4" in	10 mm	113 l/min	25000 min	76 dBA	4.53 m/s ²	200 W	258 mm	0.70 kg



AIR TOOLS



BP110

Reversible Cut-Off Tools

- Reversible cut-off tool 3"/75 mm
- Rigid housing covered with insulated rubber grip
- Power regulator in handle
- Progressive lever mechanism with safety trigger
- 360° swivel connection to avoid hose coiling
- Adjustable protective aluminium shield

				BAR								
BP110	7314150135011	1	75 mm	6.3 bar	1/4" in	10 mm	113 l/min	18,000 min	98 dBA	< 2.5 m/s ²	180 mm	0.9 kg



BP823

Disc Grinders with Rubber Grip and Safety Trigger

- Disc grinder 5" for cutting and trimming
- For grinding and cutting off
- Light, durable and insulated composite housing
- Toolless disc change mechanism
- Progressive lever mechanism with safety trigger
- Comfortable rubber covered support handle included
- Adjustable protective steel shield

			BAR									
BP823	7314150135004	1	6.3 bar	1/4" in	10 mm	340 l/min	10,000 min	83 dBA	6.07 m/s ²	650 W	235 mm	1.70 kg



BP127

Surface Cleaners with 19 Needles

- Straight handle needle scaler
- 19 needles 3x180 mm
- Adjustable needle support
- Progressive lever mechanism
- Suitable for rust removal on cars, boats, etc.

			BAR								
BP127	7314150137565	1	6.3 bar	1/4" in	10 mm	3700 min	97 dBA	8.7 m/s ²	375 mm	2.93 kg	



BP12718

Needle Set

- Needle set for BP127 and BP127P

BP12718	8414909179002	1	BP127, BP127P	3 mm	200 mm	100 g

**BP910*****Air Hammers 3200 bpm***

- Typical applications include removing ball joints, tie rods and bearings, shearing metal parts, breaking bolts and rivets, breaking concrete, etc.
- 3200 blows per minute for fast cutting action
- High performance and low weight (2.25 kg)
- Low noise (94 dBA) and low vibration (2.4 m/s²)
- High quality 10.2 mm round safety-lock retainer for quick chisel change
- Comfortable rubber grip

				BAR									
BP910	7314150427246	5	10.2 mm	6.3 bar	1/4" in	10 mm	55.5 l/min	67 mm	3200	94.3-106.6 dBA	2.4 m/s ²	239 mm	2.25 kg

**BP799*****Air Engraving Markers with Low Vibration***

- Pneumatic engraving pen
- For fast and secure marking
- 60" flexible air hose with textile sheath
- Air exhaust at the front to clear the workspace

			BAR									
BP799	7314150134502	1	6.3 bar	1/4 in	10 mm	13,000 min	78 dBA	< 2.0 m/s ²	140 mm	0.24 kg		

**BP79912*****Carbide Tips for Air Engraving Pen***

- Pneumatic engraving pen consumable

BP79912	7314150134717	1		10 g

**BP219*****Air Blow Guns with Brass Inlet and Removable Safety Tip***

- Brass inlet

			BAR					
BP219	7314150235889	1	6.3 bar	1/4" in	68 l/min	<80 dBA	240 mm	0.13 kg

**BP219L*****Air Blow Guns with Brass Inlet and Removable Safety Tip Long Nozzle***

- Nozzle length 330 mm

			BAR					
BP219L	7314150235896	1	6.3 bar	1/4" in	340 l/min	<80 dBA	470 mm	0.15 kg



AIR TOOLS



BP219V

Air Blow Vacuum Guns with Removable Safety Tip

- Blowing mode for careful drying and cooling
- Vacuum mode for cleaning
- Cloth dust bag
- Comes with four different nozzles and one vacuum hose

			BAR					
BP219V	7314150307197	1	6.3 bar	1/4"-18 in	95 l/min	92 dBA	145 mm	0.67 kg



BP219XL

Air Blow Guns with Brass Inlet 1 m Extra Long Nozzle

- For rapid removal of dust or other material, with many applications in trucks, buses, heavy vehicles, etc.
- For long reach with accurate airflow positioning
- Long 1 m nozzle
- Rubber tip protector to avoid damage to vehicle body

			BAR					
BP219XL	7314150427192	10	6.3 bar	1/4 in	100 l/min	>80 dBA	1050 mm	0.250 kg



BP255T

1/2" Filter Regulator and Lubricator Units with Type T Clean Dry Air Outlet

- Air filter regulator and lubricator with type T fitting for proper maintenance of air tools
- Additional clean dry air outlet after the air filter regulator and before lubrication, for blow guns or paint guns

			BAR			
BP255T	7314150427307	1	1-8.5 bar	1/2" in	max 3800 l/min	1580 kg



BPH1310

Spiral Air Hoses with Threaded Connector 13 mm

- Polyurethane hose with fixed threaded connector at both ends

BPH1310A	7314150330003	1	13 mm	10 m	1/2"-1/2" in	1.67 kg



LIFTING EQUIPMENT



BOTTLE JACKS / TROLLEY JACKS

BH4S

Welded bottle jack

- Welded structure ensures better performance and prevents oil leakages
- Steel forged base for great wear and impact resistance
- Heat treated lifting piston and extension screw (N/A BH4S50) allow precise height adjustment
- Serrated saddle (N/A BH4S50) provides a secure lifting grip
- Safety valve prevents the ram from being overextended, which would cause damage to the piston
- Operating conditions: -20°C to 70°C
- CE certified by Official Independent Technical Inspection Association

BH4S2	7314150237883	6	2000 kg	168 mm	316 mm	93 mm	83 mm	180 mm	2.0 kg
BH4S4	7314150237890	6	4000 kg	188 mm	363 mm	100 mm	91 mm	190 mm	2.8 kg
BH4S6	7314150237906	4	6000 kg	207 mm	402 mm	114 mm	96 mm	215 mm	3.7 kg
BH4S8	7314150237913	4	8000 kg	222 mm	447 mm	120 mm	103 mm	230 mm	4.8 kg
BH4S12	7314150237920	3	12000 kg	227 mm	457 mm	135 mm	117 mm	235 mm	6.0 kg
BH4S20	7314150237937	1	20000 kg	235 mm	445 mm	153 mm	145 mm	240 mm	8.6 kg
BH4S50	7314150476879	1	50000 kg	280 mm	450 mm	220 mm	315 mm	240 mm	26.05 kg

BH12000

Extra low entry

- 2T trolley jack designed for lifting a wide range of standard vehicles
- 70 mm extra low entrance height and 490 mm elevation achievable height
- Dual piston system decreases the number of necessary strokes by 50%
- Extra large foot pedal and composite curved handle for quick, safe and comfortable use
- Steel and PU wheels ensure both excellent durability and silent handling
- Dust cover protects the pistons and spring from being damaged
- Rubber saddle protects vehicle surfaces and prevents slipping
- Foam on the handle prevents damaging the vehicle body
- Equipped with a safety pressure valve and descent speed control system
- CE certified by Official Independent Technical Inspection Association

													
BH12000	7314150178803	1	2000 kg	70 mm	490 mm	790 mm	+/- 10	119 mm	x	780 mm	364 mm	1270 mm	42.7 kg

BH13000QA

3T trolley jack with Quick Approach

- 3T trolley jack with Quick Approach system, designed for lifting the widest range of standard vehicles
- The new Quick Approach System reduces the number of strokes from 11 to 4.5, saving time and effort
- 90 mm height entrance and increased 590 mm elevation achievable height
- Conical steel wheels with PU treads provide excellent manoeuvrability
- Improved cardan stopper system prevents overturning and deformation
- Extra large foot pedal and composite curved handle for quick, safe and comfortable use
- Front wheels are assembled with nylon nuts that offer better adjustment
- Rubber saddle protects vehicle surfaces and prevents slipping
- Foam on the handle prevents damaging the vehicle body
- Equipped with a safety pressure valve and descent speed control system
- CE certified by Official Independent Technical Inspection Association

BH13000QA	7314150403295	1	3000 kg	90 mm	590 mm	885 mm	4	119 mm	x	X	220 x 395 x 900 mm	53 kg	

**BH13000L****3T long chassis high elevation trolley jack**

- 3T long chassis and high elevation trolley jack designed for lifting four wheel drive vehicles, vans, agricultural vehicles, minibuses, campers, etc.
- 130 mm height entrance and 800 mm elevation achievable height
- 1280 mm long chassis allows long reach under the vehicle
- Dual piston system decreases the number of necessary strokes by 50%
- Extra large foot pedal and composite curved handle for quick, safe and comfortable use
- Steel and PU covered wheels ensure excellent durability and silent handling
- Dust cover protects the pistons and spring from being damaged
- Rubber saddle included to protect all surfaces and prevent slipping
- Foam on the handle prevents damaging the vehicle body
- Equipped with a safety pressure valve and descent speed control system
- CE certified according to Directive 2006/42/EC

												
BH13000L	7314150301980	1	3000 kg	130 mm	800 mm	1370 mm	20	120 mm	x	X	1310 x 530 x 1370 mm	102 kg

**BH15000B****Extra Long Trolley Jack, 5T**

- 5T extra long trolley jack allows long reach under the vehicle
- Heavy duty steel construction for maximum durability
- Sturdy steel wheels
- Large and comfortable pedal for easy access from right or left side of lifting points
- Composite curved handle for safe and comfortable use
- Large inbuilt tray for storage of tools, screws, bolts, etc.
- Ø130 steel saddle
- Equipped with a safety pressure valve and descent speed control system
- CE certified by Official Independent Technical Inspection Association

											
BH15000B	7314150516407	1	5000 kg	150 mm	685 mm	1430 mm	49	130 mm	X	330 x 520 x 1670 mm	70 kg

**BH110000B****10T Extra Long Trolley Jack**

- 10T extra long trolley jack allows long reach under the vehicle
- Heavy duty steel construction for maximum durability
- Sturdy steel wheels
- Large and comfortable pedal for easy access from right or left side of lifting points
- Composite curved handle for safe and comfortable use
- Large inbuilt tray for storage of tools, screws, bolts, etc.
- Ø150 steel saddle
- Equipped with a safety pressure valve and descent speed control system
- CE certified according to Directive 2006/42/EC

																																																																																																			
BH110000B	7314150516414	1	10000 kg	160 mm	685 mm	1550 mm	85	150 mm	X		270 x 520 x 1670 mm	117 kg																																																																																							



TROLLEY JACKS

BH230

Air hydraulic jack, 30T

- High elevation hydro-pneumatic jack specially designed for vehicles with higher lifting points, such as agricultural vehicles
- 30T maximum load capacity
- 627 mm maximum achievable elevation height
- Heavy duty design ensures durability and long tool life
- The support wheel located on the lever prevents injuries when positioning
- PU protection on the steel lever helps prevent scratches to the vehicle
- Soft grip transport handle
- Extra-large steel+rubber castors easily overcome any obstacle and increase manoeuvrability
- Three height adaptors included, 45, 100 and 250 mm, to increase the possible elevation
- Safety pressure valve system prevents overloading
- CE certified by Official Independent Technical Inspection Association

					BAR				
BH230	7314150264070	1	30000 kg	1/4 in	8-12 bar	360 mm	627 mm	1500 x 282 x 840 mm	95 kg

BH28050

Air Hydraulic Jacks 80/50T

- 80T maximum load capacity
- Heavy duty design ensures durability and long tool life
- The support wheel on the lever prevents injuries and increases jack manoeuvrability
- PU protection on the steel lever helps prevent scratches to the vehicle
- Soft grip transport handle
- The extra-large and thick steel+rubber wheels easily overcome any obstacles, such as hoses
- Two adaptors included to increase the possible elevation:
 - 45 mm
 - 75 mm
- Weight: 106 kg
- Safety pressure valve prevents overloading
- CE certified by Official Independent Technical Inspection Association

					BAR						
BH28050	7314150472222	1	80000 kg	1/4 in	9-12 bar	230 mm	443 mm	341 / 80T mm	443 / 50T mm	380 x 470 x 1200 mm	106 kg

BH33000/BH36000

Jack stands (pair)

- Jack stand with ratcheting positioning system
- Extra large base area improves stability
- It also prevents the unit from sinking into the ground
- Two jack stand models available with different load capacities
- Safety pin locking system
- TÜV approved and GS certified
- Sold in pairs

BH33000	7314150178674	1	3000 kg	300 mm	435 mm	18,8 x 20,7 cm	3.33 kg
BH36000	7314150178681	1	6000 kg	400 mm	620 mm	25,1 x 28,2 cm	7.4 kg

**BH3HD8000****Heavy duty jack stand**

- 8T maximum load capacity
- Safety pin locking system with rubber grip
- 600 mm maximum height achievable
- Special rubber coated round saddle makes load placement easier and secure
- TÜV approved and GS certified
- Sold individually

BH3HD8000	7314150170494	2	8000 kg	385 mm	600 mm	470 mm	430 mm	9.4 kg	

**BH3HD16000****Heavy duty jack stand**

- 16T heavy duty jack stand
- Safety pin locking system with rubber grip
- 715 mm maximum height achievable
- Special rubber coated round saddle makes load placement easier and secure
- TÜV approved and GS certified
- Sold individually

BH3HD16000	7314150170524	1	16000 kg	475 mm	715 mm	525 mm	466 mm	18.2 kg	

**BH3HD20000A****20T Heavy Duty Jack Stand**

- Specially designed for heavy duty applications
- Reinforced structure for increased safety when supporting loads
- Safety pin locking system with rubber grip
- 1150 mm maximum height achievable
- Special rubberised V-shape saddle for easy and secure loading
- Equipped with two wheels for convenient transport
- TÜV approved and GS certified
- Sold individually

BH3HD20000A	7314150337668	1	20000 kg	825 mm	1150 mm	47,5 x 47,5 cm		38.5 kg	



TROLLEY JACKS



BH8AC3-600

Hydraulic Wheel Dolly 600kg capacity

- Hydraulic wheel dolly for helping users with tyre changing and maintenance
- Capable of lifting wheels up to 600 kg weight
- Dolly wheel system allows tyre tilt to be changed up to 4.1 degrees, matching the vehicle's wheel angle
- Handle or foot pedal systems for wheel lifting
- Perfect balance between quick lift and accurate approach
- Equipped with a powerful hydraulic ram able to reach the maximum height in 40 pedal strokes
- Five position adjustable mechanical system allows fitting a wide range of tyre diameters, from 300 mm to 1300 mm
- Steel rollers allow the tyre to turn by itself to match the vehicle bolt positions
- Safety features
 - Foot pedal release, equipped with "dead man" safety feature
 - Foot stopper to ensure the safety of the user
 - Rear castors are equipped with a brake to secure the wheel dolly and prevent movement during tyre changing
- Steel rollers to allow the tire to turn so it is aligned with the vehicle bolt position
- Easy wheel transport thanks to the handles and four castors
- CE certified according to Directive 2006/42/EC

BH8AC3-600	7314150351893	1	600 kg	X	300-1300 mm	535 mm	45 mm	530 mm	1030 x 1050 x 1020 mm	93.5 kg	



BH8AC3-1500A

Hydraulic Wheel Dolly, 1.5T

- Hydraulic wheel dolly for heavy agricultural and contractor equipment
- Able to lift wheels up to 1500 kg weight
- For easily mounting and dismounting wheels from 1.0 m to 2.2 m diameter
- Eight heavy duty bearing rollers and two wheel holding bars for easier wheel rotation when aligning bolt holes to studs
- Double-acting hydraulic pump provides safe and controlled wheel lifting and lowering
- Easy wheel transport thanks to the 4 steel castors covered by a 150 mm diameter PU belt
- Castors equipped with a braking system for easy and safe manoeuvring and storage
- CE certified according to Directive 2006/42/EC

BH8AC3-1500A	7314150516391	1	1500 kg	N/A	1000-2200 mm	- mm	- mm	250 - 804,5 mm	310 x 1070 x 1345 mm	132 kg	



BH6FC1000

Foldable crane 1T

- Used to lift and support a wide range of heavy vehicle parts, such as engines, transmissions, etc.
- 4 fixed positions of the lifting arm: 1,000, 750, 500 and 250 kg
- High flexibility and broad application area:
 - Minimum entry height: 88 mm
 - Maximum hook height: 2175 mm
- Foldable legs enable compact storage of the crane when not in use
- Dual piston system decreases the number of necessary strokes by 50%
- Steel and nylon wheels ensure both excellent durability and silent handling
- Swivelling PU pump lever for easy and comfortable pumping from any direction
- Increased safety due to the "dead man" safety mechanism, overload valve, swivel safety hook, etc.
- CE certified by Official Independent Technical Inspection Association

												
BH6FC1000	7314150178650	1	1000 kg	750 kg	500 kg	250 kg	88 mm	+/- 45	1480 mm	1030 mm	2175 mm	85 kg



BH6FC2000

Foldable crane, 2T

- Used to lift and support a wide range of heavy vehicle parts, such as engines, transmission boxes, etc.
- 4 fixed positions of the lifting arm: 2,000, 1,500, 1,000 and 500 kg
- High flexibility and broad application area:
Minimum entry height: 130 mm
Maximum hook height: 2640 mm
- Foldable legs enable compact storage of the crane when not in use
- Dual piston system decreases the number of necessary strokes by 50%
- Heavy duty steel castors ensure excellent durability
- Swivelling PU pump lever for easy and comfortable pumping from any direction
- Increased safety due to the "dead man" safety mechanism, overload valve, swivel safety hook, etc.
- CE certified by Official Independent Technical Inspection Association

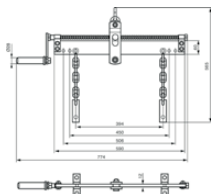
BH6FC2000	7314150234639	1	2000 kg	1500 kg	1000 kg	500 kg	130 mm	+/- 75	1845 mm	1220 mm	2640 mm	170 kg



BH6AC1-680A

Engine Hoist Load Balancer

- For easily lifting and balancing of engines or suspended loads with an offset centre of gravity
- 680 kg maximum load capacity
- Balance point adjustable by foldable handle, 190 mm either side of centre
- 640 mm length for easy attachment of larger engines
- Heavy duty welded chain (Ø7.5 mm) and solid mounting plates
- Suitable accessory for our range of cranes: BH6FC1000, BH6FC2000 and BH6PC600
- CE certified by Official Independent Technical Inspection Association



			A	B				
BH6AC1-680A	7314150433544	1	774 mm	195 mm	680 kg	565 x 12 x 774 mm	7.6 kg	







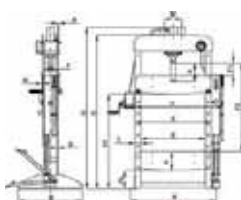
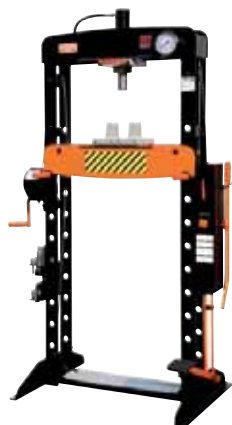
HYDRAULIC PRESSES



HYDRAULIC PRESSES

BH720/BH730/BH750

Press, 20T, 30T and 50T

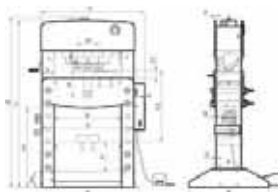


- 20T, 30T and 50T workshop presses
- Heavy duty construction with rounded shapes and exclusive design
- Large pressure gauge filled with glycerine for easy reading at convenient eye level
- Hard chrome plated slide and piston
- Quick approach feature using the pedal or the handle
- Rulers to facilitate centring the piston on the item to be extracted
- Two V-blocks included, usable on V or flat side as needed
- Auto-centring pins for the table
- Easy raising and lowering of the press table thanks to the winch with swivel handle
- Pedal with anti-slip rubber pad
- Pressing punch set with eight pins and a punch plate included
- Insulated handles
- Tool tray at the bottom
- CE certified by Official Independent Technical Inspection Association

					A	B	C	D	E	F1	F2	F	G	H	L	M	R	X	Y	kg
BH720	7314150235650	1	20.000 kg		880 mm	650 mm	1785 mm	1885 mm	645 mm	43 mm	1143 mm	129 mm	8 mm	165 mm	70 mm	211 mm	183 mm	785 mm	920 mm	151 kg
BH730	7314150235667	1	30.000 kg		960 mm	700 mm	1776 mm	1810 mm	695 mm	140 mm	1020 mm	137 mm	10 mm	200 mm	80 mm	195 mm	148 mm	855 mm	990 mm	189 kg
BH750	7314150235674	1	50.000 kg		1000 mm	770 mm	1832 mm	1855 mm	725 mm	173 mm	1013 mm	204 mm	12 mm	243 mm	90 mm	280 mm	198 mm	905 mm	1070 mm	309 kg

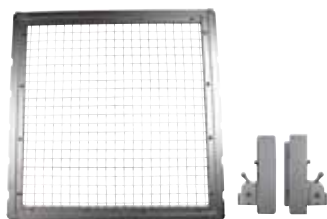
BH7100

Hydro-pneumatic press 100T



- Double speed hydro-pneumatic pump controlled by pedal with built-in safety overload valve
- Sturdy welded frame with exclusive rounded shapes design
- Large pressure gauge with glycerine for easy reading at convenient eye level
- Slide and piston chrome plated
- Easy raising and lowering of the press table thanks to the winch with swivel handle
- Rulers to facilitate centring the piston on the item to be extracted
- Two V-blocks with handles included, usable on V or flat side depending as needed
- Auto-centring table pins incorporating "butterfly" locks to keep them engaged for greater safety
- All handles insulated
- Pressing pin set with 8 pins and a punch plate included
- Tool tray at the bottom
- Working pressure: 7.5-8.5 bar 0.75-0.85 MPa
- Air connection: 1/4" NPT
- CE certified by Official Independent Technical Inspection Association

				BAR			A	B	C	D	E	F1	F2	F	G	H	L	M	R	X	Y	
BH7100A	7314150345908	1	100000 kg	7.5 - 8.5 bar	1/4" in	1 mm	1193 mm	940 mm	1830 mm	1865 mm	787 mm	85 mm	785 mm	268 mm	16 mm	325 mm	143 mm	250 mm	300 mm	1073 mm	1210 mm	674 kg

**BH7_SG****Safety grids for presses 20, 30 and 50T**

- Protects user against flying parts if the components break or jump during pressing
- Easy to install with only 4 screws
- Easily adjustable vertically by just sliding the guard on the lateral guides
- Made of aluminium
- Suitable for our BH720, BH730 and BH750 workshop presses

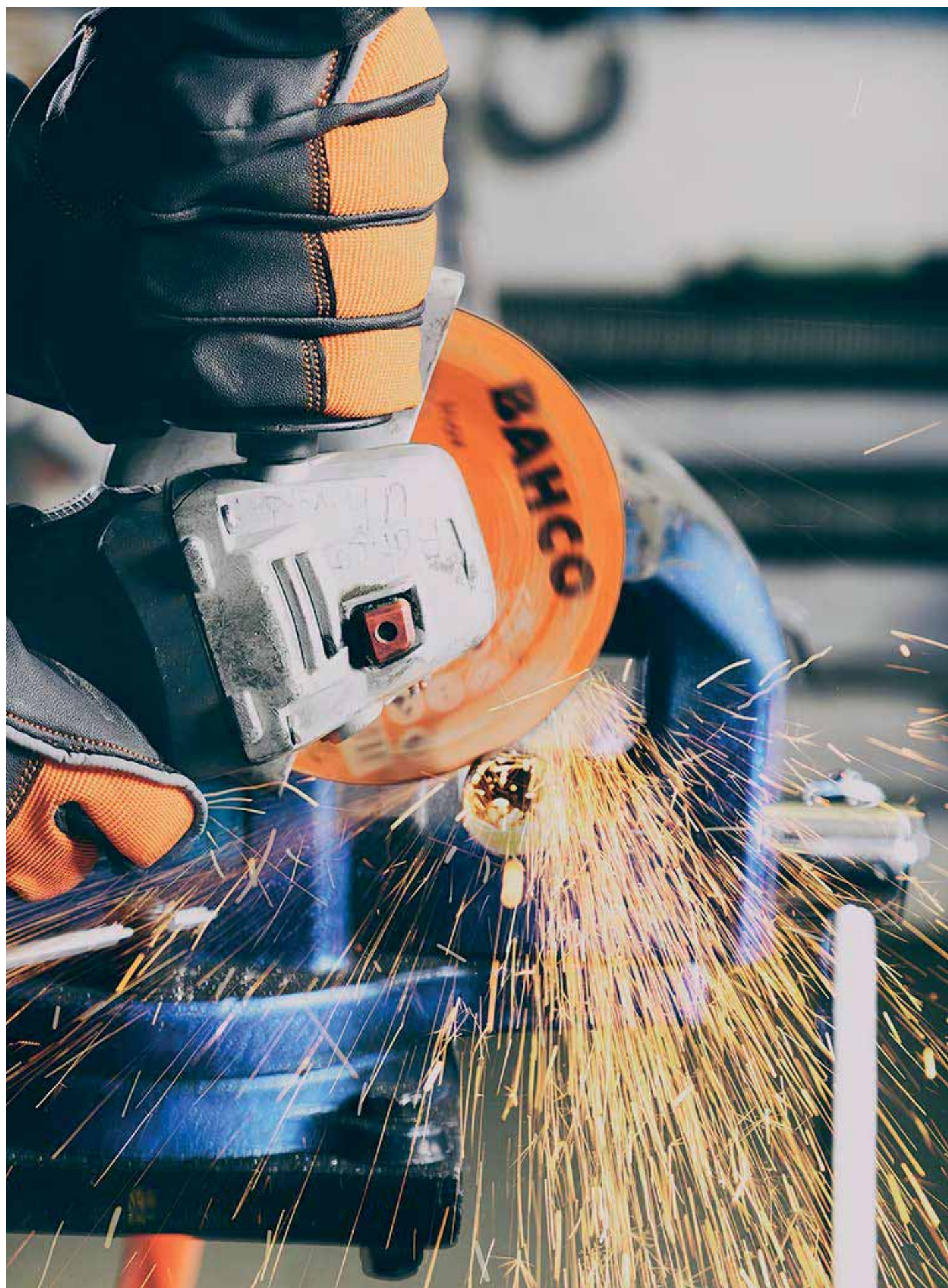
					
BH720SG	7314150238477	1	530 mm	20 mm	2.93 kg
BH730SG	7314150238484	1	590 mm	20 mm	3.15 kg
BH750SG	7314150238491	1	625 mm	20 mm	3.4 kg

**BH7100SG****Safety grid for press 100ton**

- Protects user against flying parts if the components break or jump during pressing
- Easy to install with only 4 screws
- Easily adjustable vertically by just sliding the guard on the lateral guides
- Frame made of aluminium
- Guard made of sturdy polycarbonate

				
BH7100SG	7314150299782	1	150 x 593 x 625 mm	5.54 kg







ABRASIVES AND ROTARY BURRS



391-T42_M

Abrasive High-Performance Cutting Discs for Metal



- High performance discs for cutting all types of metal
- Extended product life resulting in less downtime and waste
- Reduced risk of muscle fatigue due to low vibration
- Free of Iron, Sulphur and Chloride
- OSA certified, in accordance with EN12413

3911-115-T42-M	7314150454679	25	115 mm	2.5 mm	22.23 mm	62 g
3911-125-T42-M	7314150454686	25	125 mm	2.5 mm	22.23 mm	73 g
3911-150-T42-M	7314150454709	25	150 mm	2.5 mm	22.23 mm	106 g
3911-180-T42-M	7314150454693	25	180 mm	3.2 mm	22.23 mm	190 g
3911-230-T42-M	7314150454716	50	230 mm	3.2 mm	22.23 mm	320 g



391-T41_IM

Abrasive High-Performance Cutting Discs for General Purpose Inox & Metal



- Free of Iron, Sulphur and Chloride
- OSA certified, in accordance with EN12413
- 3911- series 5 star quality: High performance discs for cutting all types of stainless steel and metal
- Extended product life resulting in less downtime and waste
- Optimal material removal rate
- Reduced risk of muscle fatigue due to low vibration
- 3912- series 4 star quality: Great performance discs for cutting all types of stainless steel and metal
- For general purpose cutting in metal
- Long product life

3911-115-T41-IM	7314150454587	50	115 mm	1.6 mm	22.23 mm	5	38 g
3911-115T41-IM	7314150460595	50	115 mm	1 mm	22.23 mm	5	28 g
3911-125-T41-IM	7314150454600	50	125 mm	1.6 mm	22.23 mm	5	46 g
3911-180-T41-IM	7314150454655	50	180 mm	2 mm	22.23 mm	5	122 g
3911-230-T41-IM	7314150454662	50	230 mm	2.5 mm	22.23 mm	5	195 g
3911-125T41-IM	7314150485444	25	125 mm	1 mm	22.23 mm	5	32 g
3911-180T41-IM	7314150485468	50	180 mm	1.6 mm	22.23 mm	5	95 g
3911-230T41-IM	7314150485482	50	230 mm	1.9 mm	22.23 mm	5	195 g
3911-2303T41-IM	7314150485628	50	230 mm	3 mm	22.23 mm	5	320 g



391-T41-I

Abrasive High-Performance Cutting Discs for Inox



- High performance discs for cutting stainless steel as well as metal
- Optimal material removal rate
- Extended product life resulting in less downtime and waste
- Reduced risk of muscle fatigue due to low vibration
- Free of Iron, Sulphur and Chloride
- OSA certified, in accordance with EN12413

3911-115-T41-I	7314150454570	25	115 mm	1 mm	22.23 mm	28 g
3911-125-T41-I	7314150454594	25	125 mm	1 mm	22.23 mm	32 g
3911-150-T41-I	7314150454624	50	150 mm	1 mm	22.23 mm	46 g
3911-180-T41-I	7314150454631	50	180 mm	1.6 mm	22.23 mm	95 g
3911-230-T41-I	7314150454648	50	230 mm	1.9 mm	22.23 mm	195 g



392-T27_IM

Abrasive High-Performance Grinding Discs for Inox & Metal



- High performance discs for grinding in all types of stainless steel and metal
- Optimal material removal rate
- Extended product life resulting in less downtime and waste
- Reinforced glass fiber fabrics for maximum safety high and stability
- Reduced risk of muscle fatigue due to low vibration
- Free of Iron, Sulphur and Chloride
- OSA certified, in accordance with EN12413

3921-115-T27-IM	7314150454617	25	115 mm	6.4 mm	22.23 mm	148 g
3921-125-T27-IM	7314150454761	25	125 mm	6.4 mm	22.23 mm	175 g
3921-150-T27-IM	7314150454778	25	150 mm	6.4 mm	22.23 mm	256 g
3921-180-T27-IM	7314150454785	25	180 mm	6.5 mm	22.23 mm	370 g
3921-230-T27-IM	7314150454792	25	230 mm	6.5 mm	22.23 mm	610 g

392-FLAP_C

Abrasive Conical Flap Grinding Discs for Inox & Metal



- Lightweight, flexible and low in noise thanks to multi layer fibre backing
- For efficient grinding of stainless steel and metal
- Heavy stock removal under high pressure and heat
- Conical shaped for more comfortable posture
- Extended product life (100% zirconium)
- Free of Iron, Sulphur and Chloride
- OSA certified, in accordance with EN13743

					
3926-115IM-C40	7314150454839	20	115 mm	22.23 mm	80 g
3926-115IM-C60	7314150454846	20	115 mm	22.23 mm	77 g
3926-115IM-C80	7314150454853	20	115 mm	22.23 mm	71 g
3926-115IM-C120	7314150454860	20	115 mm	22.23 mm	68 g
3926-125IM-C40	7314150454884	20	125 mm	22.23 mm	103 g
3926-125IM-C60	7314150454891	20	125 mm	22.23 mm	92 g
3926-125IM-C80	7314150454907	20	125 mm	22.23 mm	88 g
3926-125IM-C120	7314150454914	20	125 mm	22.23 mm	86 g

392-FLAP_P

Abrasive Flap Grinding Discs for Inox & Metal



- Lightweight, flexible and low in noise thanks to multi layer fibre backing
- For efficient grinding of stainless steel and metal
- Heavy stock removal under high pressure and heat
- Long product life (60% zirconium / 40% corundum)
- Free of Iron, Sulphur and Chloride
- OSA certified, in accordance with EN13743

					
3927-115IM-P40	7314150454921	20	115 mm	22.23 mm	68 g
3927-115IM-P60	7314150454938	20	115 mm	22.23 mm	80 g
3927-115IM-P80	7314150454945	20	115 mm	22.23 mm	77 g
3927-115IM-P120	7314150454952	20	115 mm	22.23 mm	71 g
3927-125IM-P40	7314150454976	20	125 mm	22.23 mm	103 g
3927-125IM-P60	7314150454983	20	125 mm	22.23 mm	92 g
3927-125IM-P80	7314150455003	20	125 mm	22.23 mm	88 g
3927-125IM-P120	7314150455010	20	125 mm	22.23 mm	86 g
3927-125-40-3P	7314150498949	12	125 mm	22.23 mm	309 g
3927-125-60-3P	7314150498963	12	125 mm	22.23 mm	276 g
3927-125-80-3P	7314150498987	12	125 mm	22.23 mm	264 g
3927-125-120-3P	7314150499007	12	125 mm	22.23 mm	258 g



ROTARY BURRS



ST-2-5P

Tungsten Carbide Rotary Burrs Set for Metal 10 mm - 5 Pcs

- Universal rotary burr 5 pc set with popular shapes for fine chipping with more user-friendly X-cut style
- Rapid stock removal in a broad range of materials such as steel, copper, cast iron and nickel alloys
- Deburring of edges and different surfaces
- Indispensable tool, used in many industrial sectors such as aerospace, automotive, railway, marine, foundries, die & mould, power generation, oil & gas, etc.
- Used to deburr irregular objects or to complete finishing work inside a confined space
- Number of teeth is indicated in addition to the type of cut for each rotary burr
- Type of cut: M = Medium with double cut
- Stock standard: X = yes

RB-SET2-M06X-5P	7314150501618	1	5	313 g

A1020M06XE

C1020M06X

D1009M06X

F1020M06X

L1020M06X



ST-10P

Tungsten Carbide Rotary Burrs Set for Metal - 10 Pcs

- Universal rotary burr 10 pc set with popular shapes for fine chipping with more user-friendly X-cut style
- Rapid stock removal in a broad range of materials such as steel, copper, cast iron and nickel alloys
- Deburring of edges and different surfaces
- Indispensable tool, used in many industrial sectors such as aerospace, automotive, railway, marine, foundries, die & mould, power generation, oil & gas, etc.
- Used to deburr irregular objects or to complete finishing work inside a confined space
- Number of teeth is indicated in addition to the type of cut for each rotary burr
- Type of cut: M = Medium with double cut
- Stock standard: X = yes

RB-SET-M06X-10P	7314150501557	1	10	542 g

A1020M06XE, A1225M06X

C1020M06X, C1225M06X

D1211M06X

E1018M06X

F1225M06X

G1020M06X, G1225M06X

L1230M06X





ALU-5P

Tungsten Carbide Rotary Burrs Set for Aluminium - 5 pcs



- Aluminium rotary burr 5 pc set with popular shapes
- Burr geometry designed for maximum stock removal on nonferrous materials, e.g. aluminium, soft materials and plastics
- Deburring of edges and different surfaces
- Indispensable tool, used in many industrial sectors such as aerospace, automotive, railway, marine, foundries, die & mould, power generation, oil & gas, etc.
- Used to deburr irregular objects or to complete finishing work inside a confined space
- Number of teeth is indicated in addition to the type of cut for each rotary burr
- Type of cut: AL = very coarse
- Stock standard: X = yes

RB-SET-AL06-5P	7314150501489	1	5	380 g

A1225AL06E

C1225AL06

D1211AL06

F1225AL06

L1230AL06







DRILL BITS



4511-SET-6

Cobalt HSS-E Drill Bit Set for Metal - 6 Pcs



- Includes 6 drills from 2 mm to 8x1 mm (excluding 7 mm) in a plastic cassette
- 4411 Cobalt HSS-E drill bits 2, 3, 4, 5, 6 and 8 mm
- Top angle of 135° with self-centring split-point tip for quick cutting and perfect centring
- Drill bits have a cylindrical shank (shank equal to drill bit diameter) and designed for use in drill stands and drill drivers
- The cobalt high-speed steel (HSS) provides long lasting high performance when drilling in stainless steel materials
- Cobalt drills work good in following materials alloyed/non-alloyed steel, stainless steel, cast iron, cast steel and acid- and heat-resistant steels
- Manufactured to DIN 338 N

4511-SET-6	7314150373024	1	6	150 g

4411-2.00, 4411-3.00, 4411-4.00, 4411-5.00, 4411-6.00, 4411-8.00



4511-SET-19

Cobalt HSS-E Drill Bit Set for Metal - 19 Pcs



- Includes 19 drills from 1 mm to 10x0.5 mm in a plastic case
- 4413 Cobalt HSS-E drill bits 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5 and 10 mm
- Top angle of 135° with self-centring split-point tip for quick cutting and perfect centring
- Drill bits have a cylindrical shank (shank equal to drill bit diameter) and designed for use in drill stands and drill drivers
- The cobalt high-speed steel (HSS) provides long lasting high performance when drilling in stainless steel materials
- Cobalt drills work good in following materials alloyed/non-alloyed steel, stainless steel, cast iron, cast steel and acid- and heat-resistant steels
- Manufactured to DIN 338 N

4511-SET-19	7314150373031	1	19	600 g

4411-1.00, 4411-1.50, 4411-2.00, 4411-2.50, 4411-3.00, 4411-3.50, 4411-4.00, 4411-4.50, 4411-5.00, 4411-5.50, 4411-6.00, 4411-6.50, 4411-7.00, 4411-7.50, 4411-8.00, 4411-8.50, 4411-9.00, 4411-9.50, 4411-10.00



1.0 to 10.0 x 0.5 mm



4511-SET-25

Cobalt HSS-E Drill Bit Set for Metal - 25 Pcs



- Includes 25 drills from 1 mm to 13x0.5 mm in a plastic case
- Top angle of 135° with self-centring split-point tip for quick cutting and perfect centring
- Drill bits have a cylindrical shank (shank equal to drill bit diameter) and designed for use in drill stands and drill drivers
- The cobalt high-speed steel (HSS) provides long lasting high performance when drilling in stainless steel materials
- Cobalt drills work good in following materials alloyed/non-alloyed steel, stainless steel, cast iron, cast steel and acid- and heat-resistant steels
- Manufactured to DIN 338 N

4511-SET-25	7314150373048	1	25	1200 g

1x 1.0; 1.5; 2.0; 2.5; 3.0; 3.5; 4.0; 4.5; 5.0; 5.5; 6.0; 6.5; 7.0; 7.5; 8.0; 8.5; 9.0; 9.5; 10.0; 10.5; 11.0; 11.5; 12; 12.5; 13.0 mm



4513-SET-6

HSS-G Drill Bit Set for Metal - 6 Pcs



- Includes 6 drills from 2 mm to 8x1 mm (excluding 7 mm) in a plastic cassette
- 4413 HSS-G drill bits 2, 3, 4, 5, 6 and 8 mm
- Top angle of 130° with self-centring split-point tip for quick cutting and perfect centring
- Drill bits have a cylindrical shank (shank equal to drill bit diameter) and designed for use in drill stands and drill drivers
- High-speed steel (HSS) drill for drilling in bronze, brass, carbon steel, cast iron, alloy steel and stainless steel
- Manufactured to DIN 338 N

4513-SET-6	7314150372089	1	6	150 g

4413-2.00, 4413-3.00, 4413-4.00, 4413-5.00, 4413-6.00, 4413-8.00



2.0 to 8.0 x 1.0 mm (excl. 7.0 mm)

4513-SET-19

HSS-G Drill Bit Set for Metal - 19 Pcs



- Includes 19 drills from 1 mm to 10x0.5 mm in a plastic case
- 4411 HSS-G drill bits 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5 and 10 mm
- Top angle of 130° with self-centring split-point tip for quick cutting and perfect centring
- Drill bits have a cylindrical shank (shank equal to drill bit diameter) and designed for use in drill stands and drill drivers
- High-speed steel (HSS) drill for drilling in bronze, brass, carbon steel, cast iron, alloy steel and stainless steel
- Manufactured to DIN 338 N

4513-SET-19	7314150372096	1	19	600 g

4413-1.00, 4413-1.50, 4413-2.00, 4413-2.50, 4413-3.00, 4413-3.50, 4413-4.00, 4413-4.50, 4413-5.00, 4413-5.50, 4413-6.00, 4413-6.50, 4413-7.00, 4413-7.50, 4413-8.00, 4413-8.50, 4413-9.00, 4413-9.50, 4413-10.00



4513-SET-25

HSS-G Drill Bit Set for Metal - 25 Pcs



- Includes 25 drills from 1 mm to 13x0.5 mm in a plastic case
- Top angle of 130° with self-centring split-point tip for quick cutting and perfect centring
- Drill bits have a cylindrical shank (shank equal to drill bit diameter) and designed for use in drill stands and drill drivers
- High-speed steel (HSS) drill for drilling in bronze, brass, carbon steel, cast iron, alloy steel and stainless steel
- Manufactured to DIN 338 N

4513-SET-25	7314150372102	1	25	1200 g

1x 1.0; 1.5; 2.0; 2.5; 3.0; 3.5; 4.0; 4.5; 5.0; 5.5; 6.0; 6.5; 7.0; 7.5; 8.0; 8.5; 9.0; 9.5; 10.0; 10.5; 11.0; 11.5; 12; 12.5; 13.0 mm



DRILL BITS



4515-SET-19

HSS-R Drill Bit Set for Metal - 19 Pcs



- Includes 19 drills from 1 to 10x0.5 mm in a plastic case
- Rolled flute with high elasticity and a low risk of breakage due to manufacturing process
- Drill bits have a cylindrical shank (shank equal to drill bit diameter) and designed for use in drill stands and drill drivers
- Oxide coating reduces wear still with good and rapid chip removal
- High-speed steel (HSS) drill for drilling in bronze, brass, carbon steel, cast iron and alloy steel
- Manufactured to DIN 338

4515-SET-19	7314150394449	1	19	600 g
1x 1.0; 1.5; 2.0; 2.5; 3.0; 3.5; 4.0; 4.5; 5.0; 5.5; 6.0; 6.5; 7; 7.5; 8; 8.5; 9.0; 9.5; 10 mm				



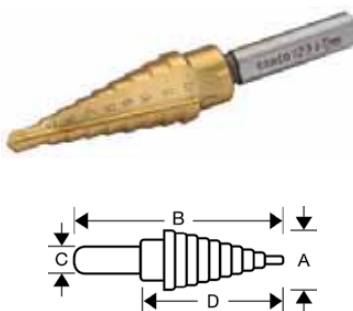
4515-SET-25

HSS-R Drill Bit Set for Metal - 25 pcs



- Includes 25 drills from 1 to 13 mm in 0.5 mm steps in a plastic case
- Rolled flute with high elasticity and a low risk of breakage due to manufacturing process
- Drill bits have a cylindrical shank (shank equal to drill bit diameter) and designed for use in drill stands and drill drivers
- Oxide coating reduces wear still with good and rapid chip removal
- High-speed steel (HSS) drill for drilling in bronze, brass, carbon steel, cast iron and alloy steel
- Manufactured to DIN 338

4515-SET-25	7314150441709	1	25	1200 g
1x 1.0; 1.5; 2.0; 2.5; 3.0; 3.5; 4.0; 4.5; 5.0; 5.5; 6.0; 6.5; 7.0; 7.5; 8.0; 8.5; 9.0; 9.5; 10.0; 10.5; 11.0; 11.5; 12.0; 12.5; 13.0 mm				



228-SD

Step Drills for Metal Sheet 4 mm-12 mm

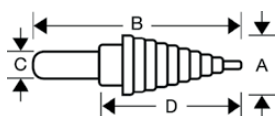
- For making holes in thin metal sheets
- Titanium-nitride (TiN) coated step drill with a surface hardness that makes the tool last 4 to 5 times longer than ordinary step drill bits
- That same surface reduces friction, resulting in a tool that runs cooler and effective, self-lubricates while running dry
- Self-centring point
- Drills holes from 4 mm to 12 mm in 1 mm increments
- Shank 1/4" (6 mm)

			A	B	C	D	
228-SD	7311518277048	24	4-5-6-7-8-9-10-11-12 mm	62 mm	6.35 mm	40 mm	70 g



229-SD

Step Drills for Metal sheet 4 mm-22 mm

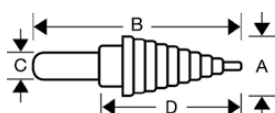


- For making holes in thin sheet metals
- Titanium-nitride (TiN) coated step drill with a surface hardness that makes the tool last 4 to 5 times longer than ordinary step drill bits
- Same surface reduces friction, resulting in a tool that runs cooler and effective, self-lubricates while running dry
- Self-centering point
- Drills holes from 4 mm to 22 mm in 2 mm increments
- Shank 3/8" (10 mm)

			A	B	C	D	
229-SD	7311518277055	24	4-6-8-10-12-14-16-18-20-22 mm	76 mm	10 mm	40 mm	70 g

230-SD

Step Drills for Metal sheet 5 mm-35 mm



- For making holes in thin sheet metals
- Titanium-nitride (TiN) coated step drill with a surface hardness that makes the tool last 4 to 5 times longer than ordinary step drill bits
- Same surface reduces friction, resulting in a tool that runs cooler and effective, self-lubricates while running dry
- Self-centering point
- Drills holes in 13 steps from 5 mm to 35 mm
- Shank 1/2" (12.7 mm)

			A	B	C	D	
230-SD	7311518280956	25	5-13-15-17-19-21-23-25-27-29-31-33-35 mm	83 mm	12.7 mm	58 mm	175 g

228-SET

HSS Step Drill Set - 3 Pcs



- Includes 3 pieces
 - 4 to 12 mm in 1 mm increments
 - 4 to 22 mm in 2 mm increments
 - 5 to 35 mm in 13 mm increments
- Step drill set for making holes in thin sheet metals
- Titanium-nitride (TiN) coated step drill with a surface hardness that makes the tool last 4 to 5 times longer than ordinary step drill bits
- Same surface reduces friction, resulting in a tool that runs cooler and effective, self-lubricates while running dry
- Self-centering point
- Shank size 1/4" (6.35 mm) and 3/8" (10 mm) and 1/2" (12.7mm)

228-SET-SD	7314150217946	1	560 g

228-SD

229-SD

230-SD







BATTERY MANAGEMENT & ELECTRICAL TOOLS



BATTERY MANAGEMENT

BBAGM1224-2400

Booster 12/24V 2400 / 1200 CA



- 2400/1200 cranking amps 12/24V powerful AGM booster
- Direct power:
 - at 12V: 2400 CA,
 - at 24V: 1200 CA
- The connector for selecting either 12V or 24V is made from the most robust industrial connectors on the market and equipped with a very comfortable handle
- 50 mm² copper area in cables ensures high conductivity
- Equipped with heavy duty clamps with copper bridge for complete amperage transfer the battery that needs boosting
- Convenient voltmeter for easy checking of internal battery status
- Safety features:
 - Reverse polarity protection
 - Internal fuse: 500A
 - Cable length: 1.70 m
- Supplied with an automatic electronic charger
- Lighter plug charger is available as an option [Ref. BBAGMCAB]
- 12V output with 16A internal fuse to operate small devices
- It can be used as a memory saver together with our BELMS12OBDL
- CE certified by Official Independent Technical Inspection Association

														
BBAGM1224-2400	7314150535682	1	12 / 24 V	2400 / 1200 A	25 A·h	50 mm ²	1800 mm	-20 / +50 °C	3 A	185 mm	37 mm	X	355 x 295 x 300 mm	23,72 kg

BBA1224-3200

12V/24V Heavy Duty Booster



- 3200 cranking amps at 12V and 1600 cranking amps at 24V, heavy duty booster
- Powered by two lead-acid AGM spiral batteries with pure lead plates, extremely effective in delivering high power at high cranking amperage almost instantaneously
- Extremely powerful
- Cranking amps: 12V: 3200A / 24V: 1600A
- Suitable and specifically designed for heavy duty vehicles, such as buses, trucks or tanks
- Heavy duty construction
- Equipped with heavy duty, fully insulated clamps with wide 54 mm opening, able to transfer full current to the battery that needs boosting
- High quality double insulated starter cables, 1.95 metres long with 70 mm² wire cross-section, featuring optimal length, flexibility and extremely high conductivity
- Clamps equipped with a copper bridge for reliable current spreading on both bronze jaws
- The connector for selecting either 12V or 24V is made from the most robust industrial connectors on the market and equipped with a very comfortable handle
- Equipped with a very easy and intuitive control panel with a voltmeter, a 16A external fuse and a 12VDC socket-outlet
- Provided with a smart charger that is 100% fully automatic and microprocessor controlled to allow multiple charging steps for added accuracy, safety and increase battery life
- Multiple safety features
 - Reverse polarity protection
 - Equipped with a 500A fuse for protection against short-circuits or over-long starting attempts
- Monolithic construction made of roto-moulded polyethylene, nearly unbreakable and resistant to all fluids used in garages, including brake fluid
- Features a gas release safety valve that prevents gas accumulation and drastically reduces the risk of explosion
- Operating temperature: -20°C < / < 50°C
- CE certified

														
BBA1224-3200	7314150341955	1	12/24 V	3200/1600 A	2 x 50 A·h	70 mm ²	1950 mm	-20 < °C < 50 °C	7 A	215 mm	54 mm	X	970 x 320 x 430 mm	55 kg

**BBC420-BBC620****Mobile charger/starter**

- Multi-application device whose main purpose is to properly charge batteries
- It can also be used to crank vehicles with slightly discharged batteries. Do not use it to crank vehicles with low or dead batteries (use our boosters for that purpose)
- Available normal charge, quick charge or quick start modes
- Features a timer for quick charge
- Equipped with a display of charging and starting current
- Suitable for electrolyte batteries
- For 12V and 24V vehicles
- BBC420 starting power: 400 cranking amps at 12V
- BBC620 starting power: 570 cranking amps at 12V
- Safe
- Reverse polarity protection
- Overload protection
- Charge it via 230V power supply
- CE certified

BBC620	7314150243242	1	230 V	50/60 Hz	20/1550 A-h	2-10 kW	90	70	570 A	325 mm	465 mm	730 mm	26 kg

BMVAT1000**1000V Voltage Absence Tester, Non-Contact Voltage Tester**

- Essential, simple, quick and safe device for electricians to check absence of voltage
- Measurement tests available:
 - Voltage up to 1000V (CATIV) VDC and VAC with precise reading thanks to the LCD screen and the bar graph
- High Voltage Detection when voltage source >100VAC/VDC
- VDC Polarity Detection (+/-) on main probe
- Continuity for testing cables, fuses... with LCD screen flashing and buzzer
- Non-Contact Voltage Sensing when the sensor is near electromagnetic field greeter than 90VAC
- Phase Rotation
- Torch light when making measurement in dark environment
- Auto-test function
- Auto-Power Off function
- Sturdy cables with double insulation 90 cm long giving a max distance of 140 cm between needle tips
- IP rate: 65 for working indoor and outdoor
- Voltage range: 6~1000VDC - 24~1000VAC
- Voltage bar indication: 6/12/24/50/120/230/400/690/1000V
- Accuracy: $\pm 3\%$
- High Voltage Indication: 100V~1000V AC/DC
- Phase rotation measurement: 3 Phase 4 Lines
- Non contact Voltage sensing: > 90VAC
- Resistance: 0~1,3M Ω
- Conducting current: $\leq 5\mu A$
- Battery: 2*AAA 1.5V
- Temperature:
 - Operating: 0~50°C /
 - Storage: -10~60°C
- Maximum distance between probes: 1.4 m
- CAT Category: CATIV 1000V
- GS LVD: EN 61243-3
- EMC: EN 61326-1

BMVAT1000	7314150488360	50	310 x 50 x 100 mm	0.302 kg



BDACM1000

1000A AC/DC True RMS Digital Clamp Meter

- Simple meter with current clamp for essential electrical tasks such as measuring AC/DC voltage or current, frequency, resistance, capacitance, continuity, polarity and temperature
- 45 mm jaw opening for measuring current without opening the electrical circuit
- True RMS measurement <1KHz
- Voltage up to 1000V DC and AC (CAT II)
- Backlit 1.8" LCD screen for accurate reading
- Measurement ranges:
 - o Voltage:
 - DCV: 400.0mV/4.000V/40.00V/400.0V/1000V
 - 0.5% + 5 counts
 - ACV: 4.000V/40.00V/400.0V/1000V
 - 1% + 5 counts
 - o Current:
 - DCA: 400.0A/1000A
 - 2.5% + 6 counts
 - ACA: 400.0A/1000A
 - 3.0% + 8 counts
 - o Resistance: 400.0Ω/4.000KΩ/40.00KΩ/400.0KΩ/4.000MΩ/40.00MΩ
 - 0.5% + 3 counts
 - o Capacitance: 4.000nF/40.00nF/400.0nF/4.000uF/40.00uF/400.0uF/4.000mF
 - 3% + 15 counts
 - o Continuity: 200Ω < 50Ω beep
 - o Diode test: 2V
 - o Frequency: 4.000Hz/40.00Hz/400.0Hz/4.000KHz/40.00KHz/400.0KHz/4.000MHz
 - 0.1% + 5 counts
 - o Temperature: -200 ~ 1200°C
 - o Non contact voltage sensing: > 50VAC 50/60Hz
- Polarity indication
- Auto/manual range
- Overrange indication: "OL" display
- Data hold mode
- Max/Min function
- Relative value function: Yes
- Auto Power Off function
- Low battery indication
- Battery: 3 x AAA 1.5V
- Temperature range: Operating: 0 ~ 40°C / Storage: -10 ~ 60°C
- Set includes
 - o Alligator clip test probe leads, spring-loaded copper clips with wide 12.7 mm (0.5 inch) jaw opening and serrated teeth, 1 m long
 - o Needle probe set with silicone leads 1 m long
 - o Temperature sensor probe lead 1 m long
 - o Quick guide
 - o Calibration report
 - o Bag with strap holder
- CAT category: CAT II 1000V - CAT III 600V
- LVD: EN 61010-1
 - EN 61010-2-030
 - EN 61010-031
 - EN 61010-2-032
 - EN 61010-2-033
- EMC: EN 61326-1



BDACM1000



7314150500819



30



60 x 143 x 250 mm



0.551 kg

**BMMTRMS1****Digital multimeter, autoranging, true RMS 1000V, with port for connection to PC**

- Precise and reliable, the Bahco BMMTRMS1 digital multimeter is the perfect solution for users looking for a tester that is easy and safe to use for measuring AC/DC voltage, current, frequency, resistance, capacitance, continuity, polarity and temperature
- It includes:
 - Multimeter bag with multimeter strap holder
 - Needle probe set with silicone leads 1 m long: Cat III 1000V, 10A
- Alligator clip test probe lead sets, spring-loaded copper clips with wide 12.7 mm (0.5 inch) jaw opening and serrated teeth, 1 m long: Cat III 1000V, 10A
- T° sensor probe lead 1 m long
- Multimeter PC connectivity USB cable 1.2 m long
- USB memory stick loaded with PC Link connectivity software and user manual in the following 12 languages: English-French-Spanish-Swedish-Turkish-Russian-Portuguese-Italian-Greek-Slovenian-Czech-Polish
- Calibration report
- 1 battery 6F22 (9V) included
- Specifications:
 - True RMS measurement
 - Non contact voltage feature
 - Relative measurement
 - Auto power-off
 - Data hold
 - Backlight function
 - Auto/manual range
 - Polarity indication
 - Diode test
 - Continuity test
 - Low battery power indication
 - DC voltage range: 600mV $\pm 0.5\%$, 6V/60V/600V $\pm 0.8\%$, 1000V $\pm 1.0\%$
 - AC voltage range: 600mV/6V/600V $\pm 1.0\%$, 1000V $\pm 1.5\%$
 - DC current: 600uA/6mA/60mA/600mA/10A $\pm 1.5\%$
 - CAT rating: CATIII 1,000V CATIV 600V
 - Resistance: 600 Ω /6K Ω /60K Ω /600K Ω /6M Ω $\pm 0.5\%$, 60M Ω $\pm 1.5\%$
 - Capacitance: 6nF $\pm 3.0\%$, 600nF/6uF/60uF/300uF $\pm 5.0\%$
 - Logic frequency: 10Hz~1MHz $\pm (0.1\%+3)$
 - Linear frequency: 10Hz~10KHz $\pm (0.05\%+8)$
 - Duty cycle: 1%~99%
 - Temperature: -55°C~1000°C $\pm (2\%+2)$
 - Fuse protection: 0.63A/1000Vx1 for μ A and mA ranges and 10A/1000Vx1 for 10A range

BMMTRMS1	7314150274024	1	155 x 60 x 225 mm	0.8 kg



**4750RCHDW02RF1V****Heavy Duty Rigid Case Insulated Tool Kit - 79 pcs**

- Indestructible injection-moulded copolymer polypropylene tool case filled with tools
- Ideal for use in harsh environments such as industrial, aerospace and nautical
- For work on live equipment up to 1000 volts
- Wide range of insulated tools manufactured according to IEC 60900 included
- Up to 3 layer colour insulating coating with dipped or injection moulded insulation
- Reinforced angles and ribs for maximum protection
- Corrosion, water and dust proof - all parts are Skydrol resistant
- Extremely resistant to very low and high temperature: -33° to 90°
- Airtight PU injected O-ring seal
- 60x37 wheels on ball bearings for easy transport even when heavily loaded
- 1 retractable handle for rolling on wheels
- 1 rubber coated heavy duty handle
- 2 PP resin foldable handles on sides for transporting with 2 persons
- Integrated identification/name badge
- Padlockable
- 4 closing latches, 4 bottom studs

4750RCHDW02RF1V	7314150422081	1	79	290 mm	480 mm	630 mm	28.19 kg

4750RCHDW02RED	
8150-1/2V	
BMMTRMS1	
28MV-10, 28MV-15, 28MV-16, 28MV-21, 28MV-22, 28MV-12, 28MV-13	
2101S-160, 2101S-180	
2101S-200	
2223 S-150	
2820VDE	
BE-8040S, BE-8050S, BE-8010S, BE-8065S	
BE-8703S, BE-8704S, BE-8725S, BE-8705S, BE-8706S, BE-8708S	
BE-8910S, BE-8915S, BE-8920S, BE-8925S, BE-8930S	
SC127V	
1999MV-5, 1999MV-6, 1999MV-7, 1999MV-8, 1999MV-9, 1999MV-10, 1999MV-12	
2430V-160, 2430V-200	
2678V-180, 2678V-160, 2678V-200	
3416 A	
806-1-1	
BE-8600S, BE-8610S, BE-8620S, BE-8630S, BE-8640S	
527V-160	
2427V-200	
2MV-10, 2MV-11, 2MV-12, 2MV-13, 2MV-14, 2MV-15, 2MV-16, 2MV-17, 2MV-18, 2MV-19	
WR1-MM	
7800DMV-8, 7800DMV-10, 7800DMV-11, 7800DMV-12, 7800DMV-13, 7800DMV-14, 7800DMV-15, 7800DMV-16, 7800DMV-17, 7800DMV-18, 7800DMV-19, 7800DMV-20, 7800DMV-21, 7800DMV-22	
2820VPC	
8162-1/2V	
7224S	

**6MV/10T_1****Insulated Open End Wrench Set - 10 Pcs**

- Set includes 8 pieces of insulated open end wrenches 6MV 10, 11, 12, 13, 14, 16, 17, 18, 19 and 22 mm
- Thin and compact heads allow easy access to difficult places
- Patented U-shape wide and comfortable handle for a better grip
- For working on live equipment up to 1000 V according to IEC 60900
- Micro-matte finish high-quality surface
- Fitting tolerance wrench end fitting tolerance according to ISO 691
- In a practical black plastic pouch
- Each and every tool is tested to 10000V for 10 seconds at the end of the manufacturing cycle

6MV/10T	7314150213023	1	10, 11, 12, 13, 14, 16, 17, 18, 19, 22 mm

6MV-10, 6MV-11, 6MV-12, 6MV-13, 6MV-14, 6MV-16, 6MV-17, 6MV-18, 6MV-19, 6MV-22

1000 V
IEC60900

**7811DMV****1/2" VDE Insulated Socket Set - 11 Pcs**

- Set includes 11 pieces
7800DMV 1/2" sockets, 10, 11, 13, 17, 19, 20 and 22 mm
8150-1/2V 1/2" insulated safety socket, 270 mm
200 mm 8154-1/2V insulated T-handle, 125 mm 8160-1/2V 1/2" square extension bar and 1x5.5x125 mm
813VDE-5.5-125 slotted VDE screwdrivers
- For working on live equipment up to 1000 V according to IEC 60900
- 2-Colour foam with tool control system
- Shock-resistant plastic case
- Each and every tool is tested to 10000V for 10 seconds at the end of the manufacturing cycle

7811DMV	7314150122134	1	11	270 x 79 x 350 mm	3050 g

7800DMV-13, 7800DMV-10, 7800DMV-11, 7800DMV-22, 7800DMV-17, 7800DMV-19, 7800DMV-20

1000 V
IEC60900



8150-1/2V

1000 V
IEC60900



8154-1/2V

1000 V
IEC60900



8160-1/2V

1000 V
IEC60900



BE-8050S

1000 V
IEC60900



ergo

**9897S/3****ERGO™ All-Round Pliers Tool Set Insulated - 3 pcs**

- Set includes: 2628S-180 combination pliers, 2101S-160 side cutter, 2430S-200 snipe nose pliers
- Ergonomic design for maximum comfort with minimum effort
- For working on live equipment up to 1000 V in compliance with IEC 60900
- High-performance alloy steel
- Phosphate finish, anti-corrosion treated
- Packed in a plastic tray inside a cardboard box
- Attractive packaging design for both wall and shelf display

9897S/3	7314150470044	1	3	50 x 180 x 400 mm	807 g

2628 S-180

1000 V
IEC60900



2101S-160

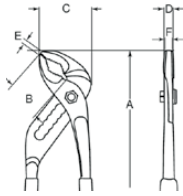
1000 V
IEC60900



2430 S-200

1000 V
IEC60900



**7224S****Insulated Quick-Adjust Water Pump Pliers with Dual-Component Handle**

- Sturdy box joint frame and slim design
- High performance alloy steel, two-component handles for maximum grip comfort
- Phosphate finish, anti-corrosion treated
- Self-adjusting patented lateral lever
- Flat and round grip shape with auto-tightening device
- Up to 35% bigger mouth opening compared to market standard
- Narrow design head for great accessibility in confined spaces
- Hardened teeth (60 HRC to 62 HRC) for a long product life and strong gripping on any shape
- Comfortable two-component 1000V handles for excellent grip
- Slim jaws provide easy accessibility
- Designed to prevent fingers being pinched
- ISO 8976, IEC 60900

				A	B	C	D	E	F		
7224S	7314150421657	4	16	250 mm	40 mm	50 mm	15 mm	8 mm	7 mm	44 mm	371 g





**SET COMPOSITIONS OF
MONSTER, XLARGE AND
LARGE TROLLEYS**



SET COMPOSITIONS

LARGE - Tool Trolley General Purpose Tool Kit - 346 pcs

- Content:
 - Heavy duty 26" trolley 1472K7BLACK
 - FF1ASET-LARGE included (6 inlays)
 - Foams with laser marked



1. FOAM FF1A207LM composition

	Component Description	N° of Tools
1150-1/2H/P	CALIPER 150 mm	1
59/S100BC	100 pcs COLOUR BIT SET	100
808050L	RATCHETING BIT SCREW WITH LEDS	6
2058-BR	BIT-RATCHET 1/4"	1
K6650-1/4-1P	BIT ADAPTOR 1/4" 50 mm	1
6956	NUT DRIVER	1
6963	EXTENSION, FLEX.	1
K6650-3/8-1P	ADAPTOR 1/4" 50 mm 3/8 W/PIN	1
8967/S3	FLAT ADAPTER SET ALL SIZES	3
6966	UNIVERSAL JOINT	1
6954	T-HANDLE	1
696EX-08	1/4" KNURLED EXTENSION	1
904T-060-150	BIT HOLDER T HANDLE	1
905T-060-100	SOCKET DRIVER T HANDLE	1
6973A	BIT HOLDER 1/4" SQ TO 1/4" HEX	1
SL25L	SOCKET SET 1/4" STD+DEEP	37
S330	SOCKET SET	34



2. FOAM FF1A208LM composition

	Component Description	N° of Tools
2744	MULTI-PURPOSE SNIP	1
7809M-10	SOCKET 1/2"	1
7809M-12	SOCKET 1/2"	1
7809M-14	SOCKET 1/2"	1
7809M-4	SOCKET 1/2"	1
7809M-5	SOCKET 1/2"	1
7809M-6	SOCKET 1/2"	1
7809M-7	SOCKET 1/2"	1
7809M-8	SOCKET 1/2"	1
K7801M-13	POWER SOCKET 1/2"	1
K7801M-15	POWER SOCKET 1/2"	1
K7801M-16	POWER SOCKET 1/2"	1
K7801M-17	POWER SOCKET 1/2"	1
K7801M-18	POWER SOCKET 1/2"	1
K7801M-19	POWER SOCKET 1/2"	1
K7801M-21	POWER SOCKET 1/2"	1
K7801M-22	POWER SOCKET 1/2"	1
K7801M-24	POWER SOCKET 1/2"	1
K8160D-2	POWER SOCKET EXTENSION 1/2"	1
KBGU-10P-DISPEN	UTIL. KNIFE BLADE 10P DISPENSER	10
KERU-01	ERGO RETRACTABLE UTILITY KNIFE	1
319	HACKSAW FRAME	1
K6650-1/2-1P	ADAPTOR 1/4" 50 mm 1/2" W/PIN	1
S240	SOCKET SET 1/2"	24



3. FOAM FF1A209LM composition

	Component Description	N° of Tools
111M-8	COMBINATION WRENCH	1
111M-9	COMBINATION WRENCH	1
111M-10	COMBINATION WRENCH	1
111M-11	COMBINATION WRENCH	1
111M-12	COMBINATION WRENCH	1
111M-13	COMBINATION WRENCH	1
111M-14	COMBINATION WRENCH	1
111M-15	COMBINATION WRENCH	1
111M-16	COMBINATION WRENCH	1
111M-17	COMBINATION WRENCH	1
111M-18	COMBINATION WRENCH	1
111M-19	COMBINATION WRENCH	1
111M-20	COMBINATION WRENCH	1
111M-21	COMBINATION WRENCH	1
111M-22	COMBINATION WRENCH	1
111M-24	COMBINATION WRENCH	1
111M-27	COMBINATION WRENCH	1
111M-30	COMBINATION WRENCH	1
111M-32	COMBINATION WRENCH	1
111M-34	COMBINATION WRENCH	1
2535L	MAGNETIC PICK-UP WITH LIGHT	1



4. FOAM FF1A210LM composition

	Component Description	N° of Tools
1RM-8	RATCHET WRENCH	1
1RM-9	RATCHET WRENCH	1
1RM-10	RATCHET WRENCH	1
1RM-11	RATCHET WRENCH	1
1RM-12	RATCHET WRENCH	1
1RM-13	RATCHET WRENCH	1
1RM-14	RATCHET WRENCH	1
1RM-15	RATCHET WRENCH	1
1RM-16	RATCHET WRENCH	1
1RM-17	RATCHET WRENCH	1
1RM-18	RATCHET WRENCH	1
1RM-19	RATCHET WRENCH	1
1520 G	POWER CUTTER	1
2101G-160	SIDE CUTTER	1
2430 G-190HD	SNIP NOSE CUTTING	1
2628 G-180	COMBINATION PLIER	1
BE-8602	SCREWDRIVER ERGO PH2x25	1
BE-8611	SCREWDRIVER ERGO PH1x75	1
BE-8621	SCREWDRIVER ERGO PH2x100	1
BE-8811	SCREWDRIVER ERGO PZ1x75	1
BE-8821	SCREWDRIVER ERGO PZ2x100	1
BE-8802	SCREWDRIVER ERGO PZ2x25	1
8224	SLIP JOINT PLIER	1
9031	ADJUSTABLE WRENCH	1



5. FOAM FF1A211LM composition

	Component Description	N° of Tools
900T-025-100	HEXAGONAL T-HANDLE 2.5x100	1
900T-030-100	HEXAGONAL T-HANDLE 3x100	1
900T-040-150	HEXAGONAL T-HANDLE 4x150	1
900T-050-150	HEXAGONAL T-HANDLE 5x150	1
900T-060-200	HEXAGONAL T-HANDLE 6x200	1
900T-080-200	HEXAGONAL T-HANDLE 8x200	1
BE-8910	SCREWDRIVER ERGO TX 10x65	1
BE-8915	SCREWDRIVER ERGO TX 15x70	1
BE-8920	SCREWDRIVER ERGO TX 20x80	1
BE-8925	SCREWDRIVER ERGO TX 25x80	1
BE-8930	SCREWDRIVER ERGO TX 30x100	1
BE-8020	SCREWDRIVER ERGO 0.5x3.0x125	1
BE-8050SL	ERGO 1000V SLIM 1.0x5.5x125	1
BE-8040	SCREWDRIVER ERGO 0.8x4.0x100	1
BE-8150	SCREWDRIVER ERGO 1.0x5.5x100	1
BE-8155	SCREWDRIVER ERGO 1.2x6.5x125	1
BE-8355	SCREWDRIVER ERGO 1.2x6.5x25	1
BE-9787	SCREWDRIVER SET HEX 3/32"-3/8"	7
BE-9770	SCREWDRIVER SET HEX 1.5-10 mm	9



6. FOAM FF1A212LM composition

	Component Description	N° of Tools
1-100-08-2-2	8" HAND, WITH HANDLE, CUT 2	1
1-210-08-2-2	8" 1/2 ROUND, WITH HANDLE, CUT 2	1
1-230-08-2-2	8" ROUND, WITH HANDLE, CUT 2	1
3734-2	COTTER PIN PUNCH	1
3734-3	COTTER PIN PUNCH	1
3734-4	COTTER PIN PUNCH	1
3734-5	COTTER PIN PUNCH	1
3734-6	COTTER PIN PUNCH	1
3734-8	COTTER PIN PUNCH	1
3735-4-120	CENTRE PUNCH	1
3740-150	FLAT CHISEL	1
3740-250	FLAT CHISEL	1
426TOR9	9" TORPEDO ALU LEVEL	1
481-400	GERMAN DIN-HAMMER	1
BE-8986	ERGO AWL STUBBY	1
MTC-5-16-C1	5M SLIM TAPE 16 mm CARDED CLASS 1	1
2446	STAINLESS STEEL CARPENTER KNIFE	1
3625N-32	PLASTIC HAMMER	1





XLARGE - Tool Trolley General Purpose Tool Kit - 560 pcs

Content:

1. Heavy duty 26" trolley and top-chest composed by:
1477K9BLACK
1487K4BLACK
2. FF1ASET-XLARGE included (12 inlays)
3. Foams with laser marked



1. FOAM FF1A195LM composition

	Component Description	N° of Tools
A6800DZ-9/16	SOCKET 1/4"	1
A6800DZ-1/2	SOCKET 1/4"	1
A6800DZ-1/4	SOCKET 1/4"	1
A6800DZ-11/32	SOCKET 1/4"	1
A6800DZ-3/16	SOCKET 1/4"	1
A6800DZ-3/8	SOCKET 1/4"	1
A6800DZ-5/16	SOCKET 1/4"	1
A6800DZ-7/16	SOCKET 1/4"	1
A6800DZ-7/32	SOCKET 1/4"	1
A6800DZ-9/32	SOCKET 1/4"	1
K6625-1/4-1P	ADAPTOR 1/4" 25 mm 1/4" W/BALL	1
K6650-1/4-1P	BIT ADAPTOR 1/4" 50 mm	1
6954	T-HANDLE	1
6963	OFFSET HANDLE 3/4"	1
K6650-3/8-1P	ADAPTOR 1/4" 50 mm 3/8 W/PIN	1
7767	FLAT ADAPTOR 1/4"-3/8"	1
8167	FLAT ADAPTER 3/8"-1/2"	1
2058-BR	BIT-RATCHET 1/4"	1
59/S31B	31 pcs BIT SET RETAIL	31
SL25L	SOCKET SET 1/4" STD+DEEP	37
S330L	SOCKET SET 3/8 STD+DEEP	53



2. FOAM FF1A196LM composition

	Component Description	N° of Tools
7800DZ-11/16	SOCKET 1/2"	1
7800DZ-11/4	SOCKET 1/2"	1
7800DZ-11/8	SOCKET 1/2"	1
7800DZ-1.3/16	SOCKET 1/2"	1
7800DZ-1/2	SOCKET 1/2"	1
7800DZ-11/16	SOCKET 1/2"	1
7800DZ-13/16	SOCKET 1/2"	1
7800DZ-15/16	SOCKET 1/2"	1
7800DZ-25/32	SOCKET 1/2"	1
7800DZ-3/4	SOCKET 1/2"	1
7800DZ-3/8	SOCKET 1/2"	1
7800DZ-5/8	SOCKET 1/2"	1
7800DZ-7/16	SOCKET 1/2"	1
7800DZ-7/8	SOCKET 1/2"	1
7800DZ-9/16	SOCKET 1/2"	1
7800DZ-19/32	SOCKET 1/2"	1

	Component Description	N° of Tools
7809M-4	SOCKET 1/2"	1
7809M-5	SOCKET 1/2"	1
7809M-6	SOCKET 1/2"	1
7809M-7	SOCKET 1/2"	1
7809M-8	SOCKET 1/2"	1
7809M-10	SOCKET 1/2"	1
7809M-12	SOCKET 1/2"	1
7809M-14	SOCKET 1/2"	1
7809M-5-100	SOCKET 1/2"	1
7809M-6-100	SOCKET 1/2"	1
7809M-7-100	SOCKET 1/2"	1
7809M-8-120	SOCKET 1/2"	1
7809M-10-140	SOCKET 1/2"	1
K6650-1/2-1P	ADAPTOR 1/4" 50 mm 1/2 W/PIN	1
S1612L	SG40 SOCKET SET 1/2" DEEP	12
8967	FLAT ADAPTER 1/2"-3/4"	1
S240	SOCKET SET 1/2"	24



3. FOAM FF1A197LM composition

	Component Description	N° of Tools
1150-1/2H/P	CALIPER 150 mm	1
2744	MULTI-PURPOSE SNIP	1
426TOR9	9" TORPEDO ALU LEVEL	1
K7801M-13	POWER SOCKET 1/2"	1
K7801M-15	POWER SOCKET 1/2"	1
K7801M-16	POWER SOCKET 1/2"	1
K7801M-17	POWER SOCKET 1/2"	1
K7801M-18	POWER SOCKET 1/2"	1
K7801M-19	POWER SOCKET 1/2"	1
K7801M-21	POWER SOCKET 1/2"	1
K7801M-22	POWER SOCKET 1/2"	1
K7801M-24	POWER SOCKET 1/2"	1
K8160D-2	POWER SOCKET EXTENSION 1/2"	1
K7806M-13	POWER SOCKET 1/2"	1
K7806M-14	POWER SOCKET 1/2"	1
K7806M-16	POWER SOCKET 1/2"	1
K7806M-17	POWER SOCKET 1/2"	1
K7806M-18	POWER SOCKET 1/2"	1
K7806M-19	POWER SOCKET 1/2"	1
K7806M-21	POWER SOCKET 1/2"	1
K7806M-22	POWER SOCKET 1/2"	1
K7806M-24	POWER SOCKET 1/2"	1
KBGU-10P-DISPEN	UTIL. KNIFE BLADE 10P DISPENSER	10
KERU-01	ERGO RETRACTABLE UTILITY KNIFE	1
MTC-5-16-C1	5M SLIM TAPE 16 mm CARDED_CLASS1	1
325	HACKSAW FRAME ERGO	1
1544	FEELER GAUGE	1



4. FOAM FF1A198LM composition

	Component Description	N° of Tools
111M-8	COMBINATION WRENCH	1
111M-9	COMBINATION WRENCH	1
111M-10	COMBINATION WRENCH	1
111M-11	COMBINATION WRENCH	1
111M-12	COMBINATION WRENCH	1
111M-13	COMBINATION WRENCH	1
111M-14	COMBINATION WRENCH	1
111M-15	COMBINATION WRENCH	1
111M-16	COMBINATION WRENCH	1
111M-17	COMBINATION WRENCH	1
111M-18	COMBINATION WRENCH	1
111M-19	COMBINATION WRENCH	1
111M-20	COMBINATION WRENCH	1
111M-21	COMBINATION WRENCH	1
111M-22	COMBINATION WRENCH	1
111M-24	COMBINATION WRENCH	1
111M-27	COMBINATION WRENCH	1
111M-30	COMBINATION WRENCH	1
111M-32	COMBINATION WRENCH	1
111M-34	COMBINATION WRENCH	1



5. FOAM FF1A199LM composition

	Component Description	N° of Tools
1RM-8	RATCHET WRENCH	1
1RM-9	RATCHET WRENCH	1
1RM-10	RATCHET WRENCH	1
1RM-11	RATCHET WRENCH	1
1RM-12	RATCHET WRENCH	1
1RM-13	RATCHET WRENCH	1
1RM-14	RATCHET WRENCH	1
1RM-15	RATCHET WRENCH	1
1RM-16	RATCHET WRENCH	1
1RM-17	RATCHET WRENCH	1
1RM-18	RATCHET WRENCH	1
1RM-19	RATCHET WRENCH	1
1RM-21	RATCHET WRENCH	1
1RM-22	RATCHET WRENCH	1
1RM-24	RATCHET WRENCH	1
4040M-8-9	FLEX. HEAD WRENCH	1
4040M-10-11	FLEX. HEAD WRENCH	1
4040M-12-13	FLEX. HEAD WRENCH	1
4040M-14-15	FLEX. HEAD WRENCH	1
4040M-16-17	FLEX. HEAD WRENCH	1
4040M-18-19	FLEX. HEAD WRENCH	1
9029	ADJUSTABLE WRENCH	1
9031	ADJUSTABLE WRENCH	1

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SET COMPOSITIONS

XLARGE - Tool Trolley General Purpose Tool Kit - 560 pcs

... / ...



6. FOAM FF1A200LM composition

	Component Description	N° of Tools
1520 G	POWER CUTTER	1
1620	QUICK-ADJUST ERGO PIPE WRENCH	1
2101G-160	SIDE CUTTER	1
2223 S-150	STRIPPING PLIER	1
2233 D-160	CUTTING/STRIPPING PLIERS	1
2430 G-190HD	SNIPE NOSE CUTTING 200	1
2628 G-180	COMBINATION PLIER	1
2890-180	CIRCLIP PLIER	1
2990-180	CIRCLIP PLIER	1
C3330R	PRECISION DIAGONAL CUTTER T&R	1
C3530	ROUND NOSE PLIERS	1
C3230	PRECISION END CUTTER	1
C3640	NEEDLE NOSE PLIERS LONG	1
8224	SLIP JOINT PLIER	1



7. FOAM FF1A201LM composition

	Component Description	N° of Tools
BE-8256TB	ERGO THROUGH BLADE 1.6x8.0x150	1
BE-8620TB	ERGO THROUGH BLADE PH2x100	1
BE-8623TB	ERGO THROUGH BLADE PH3x150	1
700-2-50	PRECISION SCREW. FLAT 2x50	1
701-00-50	PRECISION SCREW. PH 00x50	1
701-0-50	PRECISION SCREW. PH 0x50	1
701-1-75	PRECISION SCREW. PH 1x75	1
703-10-50	PRECISION SCREW. TORX 10x50	1
703-15-75	PRECISION SCREW. TORX 15x75	1
703-6-50	PRECISION SCREW. TORX 6x50	1
703-7-50	PRECISION SCREW. TORX 7x50	1
703-8-50	PRECISION SCREW. TORX 8x50	1
703-9-50	PRECISION SCREW. TORX 9x50	1
BE-8040SL	ERGO 1000V SLIM 0.8x4.0x100	1
BE-8040	SCREWDRIVER ERGO 0.8x4.0x100	1
BE-8150	SCREWDRIVER ERGO 1.0x5.5x100	1
BE-8155	SCREWDRIVER ERGO 1.2x6.5x125	1
BE-8256	SCREWDRIVER ERGO 1.6x8.0x150	1
BE-8355	SCREWDRIVER ERGO 1x6x25	1
BE-8600	SCREWDRIVER ERGO PH0x60	1
BE-8602	SCREWDRIVER ERGO PH2x25	1
BE-8611	SCREWDRIVER ERGO PH1x75	1
BE-8621	SCREWDRIVER ERGO PH2x100	1
BE-8623	SCREWDRIVER ERGO PH3x150	1
BE-8811	SCREWDRIVER ERGO PZ1x75	1
BE-8821	SCREWDRIVER ERGO PZ2x100	1
BE-8802	SCREWDRIVER ERGO PZ2x2	1
BE-8870	SCREWDRIVER ERGO 1.6x10x175	1
BE-9787	SCREWDRIVER SET HEX 3/32-3/8	9



8. FOAM FF1A202LM composition

	Component Description	N° of Tools
900T-025-100	HEXAGONAL T-HANDLE 2.5x100	1
900T-030-100	HEXAGONAL T-HANDLE 3x100	1
900T-040-150	HEXAGONAL T-HANDLE 4x150	1
900T-050-150	HEXAGONAL T-HANDLE 5x150	1
900T-060-200	HEXAGONAL T-HANDLE 6x200	1
900T-080-200	HEXAGONAL T-HANDLE 8x200	1
BE-8907	SCREWDRIVER ERGO TX 7x75	1
BE-8908	SCREWDRIVER ERGO TX 8x75	1
BE-8909	SCREWDRIVER ERGO TX 9x75	1
BE-8910	SCREWDRIVER ERGO TX 10x75	1
BE-8915	SCREWDRIVER ERGO TX 15x100	1
BE-8920	SCREWDRIVER ERGO TX 20x100	1
BE-8925	SCREWDRIVER ERGO TX 25x125	1
BE-8927	SCREWDRIVER ERGO TX 27x125	1
BE-8930	SCREWDRIVER ERGO TX 30x150	1
BE-8702	SCREWDRIVER ERGO HEX BALL 2x100	1
BE-8725	SCREWDRIVER ERGO HEX BALL 2.5x100	1
BE-9770	SCREWDRIVER SET HEX 1.5-10	9
BE-9785	SCREWDRIVER SET HEX 0.050-3/8	13



9. FOAM FF1A203LM composition

	Component Description	N° of Tools
59/S100BC	100 pcs COLOUR BIT SET RETAIL	100
808050L	RATCHETING BIT SCREW. WITH LEDS	6
2058-BR	BIT-RATCHET 1/4"	1
901T-010-100	TORX T-HANDLE 10x100	1
901T-015-150	TORX T-HANDLE 15x150	1
901T-020-150	TORX T-HANDLE 20x150	1
901T-025-150	TORX T-HANDLE 25x150	1
901T-027-150	TORX T-HANDLE 27x150	1
901T-030-200	TORX T-HANDLE 30x200	1
901T-040-200	TORX T-HANDLE 40x200	1



10. FOAM FF1A204LM composition

	Component Description	N° of Tools
1-100-08-2-2	8" HAND, WITH HANDLE, CUT 2	1
1-170-08-2-2	8" 3 SQUARE, WITH HANDLE, CUT 2	1
1-210-08-2-2	8" 1/2 ROUND, WITH HANDLE, CUT 2	1
1-230-08-2-2	8" ROUND, WITH HANDLE, CUT 2	1
1435/5	STUD EXTRACTOR SET	5
3734-2	COTTER PIN PUNCH	1
3734-3	COTTER PIN PUNCH	1
3734-4	COTTER PIN PUNCH	1
3734-5	COTTER PIN PUNCH	1
3734-6	COTTER PIN PUNCH	1
3734-8	COTTER PIN PUNCH	1
3735-4-120	CENTRE PUNCH	1
3735-5-120	CENTRE PUNCH	1
3740-150	FLAT CHISEL	1
3740-250	FLAT CHISEL	1
481-400	GERMAN DIN-HAMMER	1
7865	IMPACT DRIVER SET	15
3625N-32	PLASTIC HAMMER	1
1418-4	STUD EXTRACTOR	1
1418-5	STUD EXTRACTOR	1
1418-6	STUD EXTRACTOR	1
1418-7.5	STUD EXTRACTOR	1



11. FOAM FF1A205LM composition

	Component Description	N° of Tools
2484-45	PRY BAR 450 mm	1
2633/S4	AWLS AND HOOKS, SET	4
2951-180	GRIP WITH WIRE CUTTER	1
5515T	TELESCOPIC MIRROR	1
BE66152	STRAP WRENCH 6"-150 mm	1
BE-8986	ERGO AWL STUBBY	1
BT10P330	MULTI POSITION PRYBAR 300	1
2681	RIVET GUN	1
1450D-ISO	DOUBLE THREAD RESTORER	1
806-1-3	AUTO TESTER 3x45 6-24V	1
5515FL	ORIENTABLE MIRROR W/LIGHT	1



12. FOAM FF1A206LM composition

	Component Description	N° of Tools
SLX 17	SOCKET SET 3/4" 22>50 MM	17



MONSTER - Tool Trolley General Purpose Tool Kit - 758 pcs

- Content:
 - Heavy duty 40" trolley and top-chest composed by:
1475KXL8BLACK
1485KXL4BLACK
 - FF1BSET-MONSTER included (11 inlays)
 - Foams with laser marked



1. FOAM FF1B01LM composition

Component Description	N° of Tools
6700SM-13	1
6700SM-14	1
6700SM-4	1
6700SM-4.5	1
6700SM-5	1
6700SM-5.5	1
6700SM-6	1
6700SM-7	1
6700SM-8	1
6700SM-9	1
6700SM-10	1
6700SM-11	1
6700SM-12	1
6700SZ-1/2	1
6700SZ-1/8	1
6700SZ-9/16	1
6700SZ-1/4	1
6700SZ-11/32	1
6700SZ-3/16	1
6700SZ-3/8	1
6700SZ-5/16	1
6700SZ-7/16	1
6700SZ-7/32	1
6700SZ-9/32	1
6700SZ-5/32	1
6700TORX-E4	1
6700TORX-E5	1
6700TORX-E6	1
6700TORX-E7	1
6700TORX-E8	1
6700TORX-E10	1
6950SL	1
6962L	1
6972H	1
7400SM-6	1
7400SM-7	1
7400SM-8	1
7400SM-9	1
7400SM-10	1
7400SM-11	1
7400SM-12	1
7400SM-13	1
7400SM-14	1
7400SM-15	1
7400SM-16	1
7400SM-17	1
7400SM-18	1
7400SM-19	1
7400SM-20	1
7400SM-21	1
7400SM-22	1

Component Description	N° of Tools
7400TORX-E10	1
7400TORX-E11	1
7400TORX-E12	1
7400TORX-E14	1
7400TORX-E16	1
7400TORX-E18	1
7406ZZ-16	1
7406ZZ-21	1
7409TORX-R-T27	1
7409TORX-R-T30	1
7409TORX-R-T40	1
7409TORX-R-T45	1
7409TORX-R-T50	1
7409TORX-T25	1
7409TORX-T27	1
7409TORX-T30	1
7409TORX-T40	1
7409TORX-T45	1
7409TORX-T50	1
7750SL	1
2058-BR	1
8164-1/2	1
A6800DM-4	1
A6800DM-5	1
A6800DM-5.5	1
A6800DM-6	1
A6800DM-7	1
A6800DM-8	1
A6800DM-9	1
A6800DM-10	1
A6800DM-11	1
A6800DM-12	1
A6800DM-13	1
A6800DM-14	1
A6800DZ-9/16	1
A6800DZ-1/2	1
A6800DZ-1/4	1
A6800DZ-11/32	1
A6800DZ-3/16	1
A6800DZ-3/8	1
A6800DZ-5/16	1
A6800DZ-7/16	1
A6800DZ-7/32	1
A6800DZ-9/32	1
A7400DZ-1/2	1
A7400DZ-11/16	1
A7400DZ-3/4	1
A7400DZ-3/8	1
A7400DZ-5/8	1
A7400DZ-7/16	1
A7400DZ-17/32	1
A7400DZ-9/16	1
A7400DZ-19/32	1
A7400DZ-13/16	1
A7400DZ-7/8	1
A7400DZ-1/4	1
A7400DZ-5/16	1
K6650-1/4-1P	1
K6625-1/4-1P	1

Component Description	N° of Tools
6954	1
6956	1
6960	1
6961	1
6963	1
6966	1
7760	1
7761	1
7762	1
7764	1
7765	1
7766	1
7409BH-4	1
7409BH-5	1
7409BH-6	1
7409BH-8	1
7409BH-10	1
A7402DM-10	1
A7402DM-11	1
A7402DM-12	1
A7402DM-13	1
A7402DM-14	1
A7402DM-15	1
A7402DM-16	1
A7402DM-17	1
A7402DM-18	1
A7402DM-19	1
A7402DM-8	1
A7402DM-9	1
K6650-3/8-1P	1
7756	1



2. FOAM FF1B02LM composition

Component Description	N° of Tools
7800DM-10	1
7800DM-11	1
7800DM-12	1
7800DM-13	1
7800DM-14	1
7800DM-15	1
7800DM-16	1
7800DM-17	1
7800DM-18	1
7800DM-19	1
7800DM-20	1
7800DM-21	1
7800DM-22	1
7800DM-24	1
7800DM-27	1
7800DM-30	1
7800DM-32	1
7800DM-34	1
7800DM-36	1
7800DZ-1	1
7800DZ-11/16	1
7800DZ-11/4	1
7800DZ-11/8	1
7800DZ-13/16	1

... / ...



SET COMPOSITIONS

MONSTER - Tool Trolley General Purpose Tool Kit - 758 pcs

2. FOAM FF1B02LM composition

	Component Description	N° of Tools
7800DZ-1/2	SOCKET 1/2"	1
7800DZ-11/16	SOCKET 1/2"	1
7800DZ-13/16	SOCKET 1/2"	1
7800DZ-15/16	SOCKET 1/2"	1
7800DZ-25/32	SOCKET 1/2"	1
7800DZ-3/4	SOCKET 1/2"	1
7800DZ-3/8	SOCKET 1/2"	1
7800DZ-5/8	SOCKET 1/2"	1
7800DZ-7/16	SOCKET 1/2"	1
7800DZ-7/8	SOCKET 1/2"	1
7800DZ-9/16	SOCKET 1/2"	1
7800DZ-19/32	SOCKET 1/2"	1
7809M-4	SOCKET 1/2"	1
7809M-5	SOCKET 1/2"	1
7809M-6	SOCKET 1/2"	1
7809M-7	SOCKET 1/2"	1
7809M-8	SOCKET 1/2"	1
7809M-10	SOCKET 1/2"	1
7809M-12	SOCKET 1/2"	1
7809M-14	SOCKET 1/2"	1
8150SL	RATCHET 1/2, SLIM HEAD 72T	1
SB587	BAHCO BREAKER BAR 400 mm 1/2"	1
K7801M-13	POWER SOCKET 1/2"	1
K7801M-15	POWER SOCKET 1/2"	1
K7801M-16	POWER SOCKET 1/2"	1
K7801M-17	POWER SOCKET 1/2"	1
K7801M-18	POWER SOCKET 1/2"	1
K7801M-19	POWER SOCKET 1/2"	1
K7801M-21	POWER SOCKET 1/2"	1
K7801M-22	POWER SOCKET 1/2"	1
K7801M-24	POWER SOCKET 1/2"	1
K8160D-2	POWER SOCKET EXTENSION 1/2"	1
K7806M-13	POWER SOCKET 1/2"	1
K7806M-14	POWER SOCKET 1/2"	1
K7806M-16	POWER SOCKET 1/2"	1
K7806M-17	POWER SOCKET 1/2"	1
K7806M-18	POWER SOCKET 1/2"	1
K7806M-19	POWER SOCKET 1/2"	1
K7806M-21	POWER SOCKET 1/2"	1
K7806M-22	POWER SOCKET 1/2"	1
K7806M-24	POWER SOCKET 1/2"	1
7809M-5-100	SOCKET 1/2"	1
7809M-6-100	SOCKET 1/2"	1
7809M-7-100	SOCKET 1/2"	1
7809M-8-120	SOCKET 1/2"	1
7809M-10-140	SOCKET 1/2"	1
K6650-1/2-1P	1x ADAPTOR 1/4" 50 mm 1/2" W/PIN	1
8160-3	EXTENSION 1/2" 75 mm 3"	1
8160-5	EXTENSION 1/2" 125 mm 5"	1
8160-10	EXTENSION 1/2" 250 mm 10"	1
8171	ADAPTOR FEM 1/2" TO MALE 3/8"	1
8166	UNIVERSAL JOINT 1/2"	1



3. FOAM FF1B03LM composition

	Component Description	N° of Tools
111M-8	COMBINATION WRENCH	1
111M-9	COMBINATION WRENCH	1
111M-10	COMBINATION WRENCH	1
111M-11	COMBINATION WRENCH	1
111M-12	COMBINATION WRENCH	1
111M-13	COMBINATION WRENCH	1
111M-14	COMBINATION WRENCH	1
111M-15	COMBINATION WRENCH	1
111M-16	COMBINATION WRENCH	1
111M-17	COMBINATION WRENCH	1
111M-18	COMBINATION WRENCH	1
111M-19	COMBINATION WRENCH	1
111M-20	COMBINATION WRENCH	1
111M-21	COMBINATION WRENCH	1
111M-22	COMBINATION WRENCH	1
111M-24	COMBINATION WRENCH	1
111M-27	COMBINATION WRENCH	1
111M-30	COMBINATION WRENCH	1
111M-32	COMBINATION WRENCH	1
111M-34	COMBINATION WRENCH	1
1RM-8	RATCHET WRENCH	1
1RM-9	RATCHET WRENCH	1
1RM-10	RATCHET WRENCH	1
1RM-11	RATCHET WRENCH	1
1RM-12	RATCHET WRENCH	1
1RM-13	RATCHET WRENCH	1
1RM-14	RATCHET WRENCH	1
1RM-15	RATCHET WRENCH	1
1RM-16	RATCHET WRENCH	1
1RM-17	RATCHET WRENCH	1
1RM-18	RATCHET WRENCH	1
1RM-19	RATCHET WRENCH	1
1RM-21	RATCHET WRENCH	1
1RM-22	RATCHET WRENCH	1
1RM-24	RATCHET WRENCH	1
1RM-27	RATCHET WRENCH	1

4. FOAM FF1B04LM composition

	Component Description	N° of Tools
1RM-30	RATCHET COMB. SPANNER	1
1RM-32	RATCHET COMB. SPANNER	1
111Z-1	COMBINATION WRENCH	1
111Z-1-1/16	COMBINATION WRENCH	1
111Z-1-1/4	COMBINATION WRENCH	1
111Z-1-1/8	COMBINATION WRENCH	1
111Z-1/2	COMBINATION WRENCH	1
111Z-11/16	COMBINATION WRENCH	1
111Z-13/16	COMBINATION WRENCH	1
111Z-15/16	COMBINATION WRENCH	1
111Z-3/4	COMBINATION WRENCH	1
111Z-3/8	COMBINATION WRENCH	1
111Z-5/16	COMBINATION WRENCH	1
111Z-5/8	COMBINATION WRENCH	1
111Z-7/16	COMBINATION WRENCH	1
111Z-7/8	COMBINATION WRENCH	1
111Z-9/16	COMBINATION WRENCH	1
4040M-8-9	FLEX. HEAD WRENCH	1
4040M-10-11	FLEX. HEAD WRENCH	1
4040M-12-13	FLEX. HEAD WRENCH	1
4040M-14-15	FLEX. HEAD WRENCH	1
4040M-16-17	FLEX. HEAD WRENCH	1
4040M-18-19	FLEX. HEAD WRENCH	1
5515T	TELESCOPIC MIRROR	1
BLTS7P	7+1 SMD PEN LIGHT	1
2535L	MAGNETIC PICK-UP WITH LIGHT	1



5. FOAM FF1B05LM composition

	Component Description	N° of Tools
1150-1/2H/P	CALIPER 150 mm	1
1520 G	POWER CUTTER	1
1620	QUICK-ADJUST ERGO PIPE WRENCH	1
2101S-160	SIDE CUTTER	1
21HDG-160	ERGO SIDE CUTTER HD	1
2223 S-150	STRIPPING PLIER	1
2430 G-160	SNIPE NOSE CUTTING	1
2430 S-200	SNIPE NOSE CUTTER	1
2628 G-180	COMB PLIER	1
2628 S-180	COMB PLIER	1
2744	MULTI-PURPOSE SNIP	1
426TOR9	9" TORPEDO ALU LEVEL	1
KBGU-10P-DISPEN	UTIL. KNIFE BLADE 10P DISPENSER	10
KERU-01	ERGO RETRACTABLE UTILITY KNIFE	1
MTC-5-16-C1	5M SLIM TAPE 16 mm CARDED_CLASS1	1
8224	SLIP JOINT PLIER 8224	1
9029	ADJUSTABLE WRENCH	1
9031	ADJUSTABLE WRENCH	1
806-1-3	AUTO TESTER 3x45 6-24V	1
C3330R	PRECISION DIAGONAL CUTTER T&R	1
C3530	ROUND NOSE PLIERS	1
C3230	PRECISION END CUTTER	1
C3640	NEEDLE NOSE PLIERS LONG	1



MONSTER - Tool Trolley General Purpose Tool Kit - 758 pcs

.../...



6. FOAM FF1B06LM composition

	Component Description	N° of Tools
700-2.5-50	PRECISION SCREW. FLAT 2.5x50	1
700-2-50	PRECISION SCREW. FLAT 2x50	1
700-3-50	PRECISION SCREW. FLAT 3x50	1
701-00-50	PRECISION SCREW. PH 00x50	1
701-0-50	PRECISION SCREW. PH 0x50	1
701-1-75	PRECISION SCREW. PH 1x75	1
703-10-50	PRECISION SCREW. TORX 10x50	1
703-15-75	PRECISION SCREW. TORX 15x75	1
703-6-50	PRECISION SCREW. TORX 6x50	1
703-7-50	PRECISION SCREW. TORX 7x50	1
703-8-50	PRECISION SCREW. TORX 8x50	1
703-9-50	PRECISION SCREW. TORX 9x50	1
808050L	RATCHETING BIT SCREW. WITH LEDS	6
BE-8010S	SCREWDRIVER ERGO IEC 0.4x2.5x75	1
BE-8020	SCREWDRIVER ERGO 0.5x3.0x60	1
BE-8040SL	ERGO 1000V SLIM 0.8x4.0x100	1
BE-8050SL	ERGO 1000V SLIM 1.0x5.5x125	1
BE-8040	SCREWDRIVER ERGO 0.8x4.0x100	1
BE-8150	SCREWDRIVER ERGO 1.0x5.5x100	1
BE-8155	SCREWDRIVER ERGO 1.2x6.5x125	1
BE-8256	SCREWDRIVER ERGO 1.2x8.0x150	1
BE-8355	SCREWDRIVER ERGO 1.2x6.5x25	1
BE-8600	SCREWDRIVER ERGO PH0x60	1
BE-8600S	SCREWDRIVER ERGO IEC PH0x75	1
BE-8602	SCREWDRIVER ERGO PH2x25	1
BE-8611	SCREWDRIVER ERGO PH1x75	1
BE-8610SL	ERGO 1000V SLIM PH1x80	1
BE-8621	SCREWDRIVER ERGO PH2x100	1
BE-8620SL	ERGO 1000V SLIM PH2x100	1
BE-8623	SCREWDRIVER ERGO PH3x150	1
BE-8702	SCREWDRIVER ERGO HEX BALL 2x110	1
BE-8725	SCREWDRIVER ERGO HEX BALL 2.5x110	1
BE-8820SL	ERGO 1000V SLIM PZ2 x 100	1
BE-8870	SCREWDRIVER ERGO 1.6x10.0x175	1
BE-8975B	HEX KEY FOLDER TX9-40	8
BE-9777B	HEX KEY FOLDER HEX 2.5-10 mm	7
BE-9787	SCREWDRIVER SET HEX 3/32-3/8"	7
BE-9770	SCREWDRIVER SET HEX 1.5-10 mm	9
BE-9785	SCREWDRIVER SET HEX 0.050-3/8"	13



7. FOAM FF1B07LM composition

	Component Description	N° of Tools
BE-8256TB	ERGO THROUGH BLADE 1.6x8.0x150	1
BE-8258TB	ERGO THROUGH BLADE 1.6x10.0x175	1
BE-8620TB	ERGO THROUGH BLADE PH2x100	1
BE-8623TB	ERGO THROUGH BLADE PH3x150	1
59/S100BC	100 pcs COLOUR BIT SET RETAIL	100
7455-200	1/2" CLICK TORQUE WRENCH 200 N-m	1
BE-8907	SCREWDRIVER ERGO TX 7x55	1
BE-8908	SCREWDRIVER ERGO TX 8x60	1
BE-8909	SCREWDRIVER ERGO TX 9x60	1
BE-8910	SCREWDRIVER ERGO TX 10x65	1
BE-8915	SCREWDRIVER ERGO TX 15x70	1
BE-8920	SCREWDRIVER ERGO TX 20x80	1
BE-8925	SCREWDRIVER ERGO TX 25x80	1
BE-8927	SCREWDRIVER ERGO TX 27x100	1
BE-8930	SCREWDRIVER ERGO TX 30x100	1
BE-8940	SCREWDRIVER ERGO TX 40x130	1
BE-8811	SCREWDRIVER ERGO PZ1x75	1
BE-8821	SCREWDRIVER ERGO PZ2x100	1
BE-8830	SCREWDRIVER ERGO PZ3x150	1
BE-8802	SCREWDRIVER ERGO PZ2x25	1
BE5049T	SET OF BITS	49
BE-7607	NUT DRIVER ERGO	1

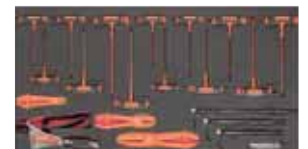


10. FOAM FF1B10LM composition

	Component Description	N° of Tools
2633/S4	AWLS AND HOOKS, SET	4
2800-140	CIRCLIP PLIER INT. STRAIGHT 8-15 130	1
2800-180	CIRCLIP PLIER	1
2890-125	CIRCLIP PLIER INT. BENT. 8-15	1
2890-180	CIRCLIP PLIER	1
2900-140	EXT. RING PLIER-STRAIGHT 3-10	1
2900-180	CIRCLIP PLIER	1
2951-180	GRIP WITH WIRE CUTTER 180	1
2952-165	GRIP WITH EXTRA LONG NOSE	1
2963-280	C-CLAMP GRIP 280	1
2965-200	STEEL U CLAMP 300 mm	1
2990-125	EXT.RING PLIER-CURVED 3-10 mm	1
2900-180	CIRCLIP PLIER	1
BE-8986	ERGO AWL STUBBY	1
325	HAND HACK SAW	1
2681	RIVET GUN	1
CR B 02	TERMINAL PLIER RED HANDL 220 mm	1

8. FOAM FF1B08LM composition

	Component Description	N° of Tools
1-100-08-2-2	8" HAND, WITH HANDLE, CUT 2	1
1-170-08-2-2	8" 3 SQUARE, WITH HANDLE, CUT 2	1
1-210-08-2-2	8" 1/2 ROUND, WITH HANDLE, CUT 2	1
1-230-08-2-2	8" ROUND, WITH HANDLE, CUT 2	1
1435/5	STUD EXTRACTOR SET	5
2484-30	PRY BAR 300 mm	1
2484-45	PRY BAR 450 mm	1
2484-60	PRY BAR 600 mm	1
3734-2	COTTER PIN PUNCH	1
3734-3	COTTER PIN PUNCH	1
3734-4	COTTER PIN PUNCH	1
3734-5	COTTER PIN PUNCH	1
3734-6	COTTER PIN PUNCH	1
3734-8	COTTER PIN PUNCH	1
3735-4-120	CENTRE PUNCH	1
3735-5-120	CENTRE PUNCH	1
3740-150	FLAT CHISEL	1
3740-250	FLAT CHISEL	1
4543-3	TWO-ARM PULLER	1
4611-3	NUT SPLITTER 6-36 mm	1
481-400	GERMAN DIN-HAMMER	1
7865	IMPACT DRIVER SET	15
3625N-32	PLASTIC HAMMER	1
1418-4	STUD EXTRACTOR (pin+nut)	1
1418-5	STUD EXTRACTOR (pin+nut)	1
1418-6	STUD EXTRACTOR (pin+nut)	1
1418-75	STUD EXTRACTOR (pin+nut)	1



9. FOAM FF1B09LM composition

	Component Description	N° of Tools
900T-025-100	HEXAGONAL T-HANDLE 2.5x100	1
900T-025-100	HEXAGONAL T-HANDLE 2.5x100	1
900T-030-100	HEXAGONAL T-HANDLE 3x100	1
900T-040-150	HEXAGONAL T-HANDLE 4x150	1
900T-050-150	HEXAGONAL T-HANDLE 5x150	1
900T-060-200	HEXAGONAL T-HANDLE 6x200	1
900T-080-200	HEXAGONAL T-HANDLE 8x200	1
901T-010-100	TORX T_HANDLE 10x100	1
901T-015-150	TORX T_HANDLE 15x150	1
901T-020-150	TORX T_HANDLE 20x150	1
901T-025-150	TORX T_HANDLE 25x150	1
901T-027-150	TORX T_HANDLE 27x150	1
901T-030-200	TORX T_HANDLE 30x200	1
901T-040-200	TORX T_HANDLE 40x200	1
BE256-155	HOSE CLAMP L: 155 mm	1
BE256-178	HOSE CLAMP L: 178 mm	1
BE256-250	HOSE CLAMP L: 250 mm	1
BE66152	STRAP WRENCH 6" - 150 mm	1
BT10P325	MULTI POSITION PRYBAR 250	1
BT10P330	MULTI POSITION PRYBAR 300	1
BT10P338	MULTI POSITION PRYBAR 380	1
1544	FEELER GAUCHE	1

11. FOAM FF1B11LM composition

	Component Description	N° of Tools
RAIL-264	METAL RAIL 264 mm	12
CLIPS-1/4	METAL CLIPS FOR 1/4" SOCKETS	25
CLIPS-3/8	METAL CLIPS FOR 3/8" SOCKETS	25
CLIPS-1/2	METAL CLIPS FOR 1/2" SOCKETS	25
SLX 17	SOCKET SET 3/4" - 22-50 mm	17



		
86	7314150005376	64
87	7314150005406	64
140	7314150008797	74
141	7314150008827	74
142	7314150008841	74
143	7314150008872	74
144	7314150008902	74
147	7314150008933	74
1410	7314150106332	74
1420	7314150103744	74
2509	7314151064280	80
2530	7314150326761	80
8069	7314150007028	62
8070	7314150007110	62
8071	7314150007202	62
8072	7314150007288	62
8073	7314150007363	62
8074	7314150007448	62
8075	7314150007523	62
8223	7314150112685	70
8224	7314150000012	70
8225	7314150000029	70
8226	7314150115853	70
9029	7314153010612	63
9031	7314150110988	63
9033	7314150181414	63
9035	7314150181421	63
9070	7314150100170	62
9071	7314150100194	62
9072	7314150055609	62
9073	7314150101702	62
9938	7314150056491	71
111M/11T	7314151828899	49
111M/14T	7314151828905	50
111M/17T	7314151828912	50
111M/17TL	7314150197859	50
111M/26T	7314151828929	51
111M-10	7314151828653	48
111M-100	7314150401499	48
111M-11	7314151828660	48
111M-12	7314151828677	48
111M-13	7314151828684	48
111M-14	7314151828691	48
111M-15	7314151828707	48
111M-16	7314151828714	48
111M-17	7314151828721	48
111M-18	7314151828738	48
111M-19	7314151828745	48
111M-20	7314151828752	48
111M-21	7314151828769	48
111M-22	7314151828776	48
111M-23	7314151828783	48
111M-24	7314151828790	48
111M-25	7314151828806	48
111M-26	7314151828813	48
111M-27	7314151828820	48
111M-28	7314151828837	48
111M-29	7314151828844	48
111M-30	7314151828851	48
111M-32	7314151828868	48
111M-33	7314150222223	48
111M-34	7314151828875	48
111M-36	7314150135516	48
111M-38	7314150222230	48
111M-41	7314150135523	48
111M-46	7314150135530	48
111M-5.5	7314151828608	48

		
111M-50	7314150135547	48
111M-55	7314150135554	48
111M-6	7314151828615	48
111M-60	7314150135561	48
111M-65	7314150135578	48
111M-7	7314151828622	48
111M-70	7314150135585	48
111M-75	7314150135592	48
111M-8	7314151828639	48
111M-80	7314150135608	48
111M-85	7314150352999	48
111M-9	7314151828646	48
111M-90	7314150401475	48
111M-95	7314150401482	48
111Z/11T	7314151829124	51
111Z/8T	7314151829117	51
111Z-1	7314151829063	49
111Z-1.1/16	7314151829070	49
111Z-1.1/2	7314150135752	49
111Z-1.1/4	7314151829094	49
111Z-1.1/8	7314151829087	49
111Z-1.11/16	7314150135615	49
111Z-1.13/16	7314150135639	49
111Z-1.3/4	7314150135622	49
111Z-1.3/8	7314150135738	49
111Z-1.5/16	7314151829100	49
111Z-1.5/8	7314150135769	49
111Z-1.7/16	7314150135745	49
111Z-1.7/8	7314150135646	49
111Z-1/2	7314151828981	49
111Z-1/4	7314151828943	49
111Z-11/16	7314151829018	49
111Z-13/16	7314151829032	49
111Z-15/16	7314151829056	49
111Z-2	7314150135653	49
111Z-2.1/2	7314150135721	49
111Z-2.1/4	7314150135691	49
111Z-2.1/8	7314150135677	49
111Z-2.3/4	7314150135783	49
111Z-2.3/8	7314150135707	49
111Z-2.5/8	7314150135776	49
111Z-2.7/8	7314150135790	49
111Z-3	7314150135806	49
111Z-3/4	7314151829025	49
111Z-3/8	7314151828967	49
111Z-5/16	7314151828950	49
111Z-5/8	7314151829001	49
111Z-7/16	7314151828974	49
111Z-7/8	7314151829049	49
111Z-9/16	7314151828998	49
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133SGM-105	7314151828530	44
133SGM-110	7314151828547	44
133SGM-115	7314151828554	44
133SGM-120	7314151828561	44
133SGM-27	7314151828363	44
133SGM-30	7314151828370	44
133SGM-32	7314151828387	44
133SGM-36	7314151828394	44
133SGM-41	7314151828400	44
133SGM-46	7314151828417	44
133SGM-50	7314151828424	44
133SGM-55	7314151828431	44
133SGM-60	7314151828448	44
133SGM-65	7314151828455	44
133SGM-70	7314151828462	44
133SGM-75	7314151828479	44

		
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133SGM-95	7314151828516	44
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1460Z/2	7314151041120	83
1472K5	7314150349463	94
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1472K8	7314150349494	95
1475KXL12	7314150350193	96
1475KXL6	7314150349968	95
1475KXL6C	7314150350193	97
1475KXL7	7314150349975	96
1475KXL8	7314150349982	96
1475KXXL8CWTSS	7314150400157	97
1476KXXL7BK	7314150439935	97
1481K5BLACK	7314150508945	99
1495CS18HK	7314150407613	93
1495WB18TSBT	7314150407637	93
1495WB-AC1	7314150296576	93
1496MB2	7314150273478	99
1496MB3	7314150273485	99
1496MB4	7314150273492	100
1496MB5	7314150273508	100
1497MB13FF4	7314150504725	102
1497MB13FF5	7314150508945	101
1497MBF350	7314150321391	101
1497MBF550	7314150321407	101
1497MBF750	7314150321414	101
1497MBW	7314150330164	100
1952M/14T	7314151057695	53
1952M/17T	7314151057473	54
1952M/26T	7314151057701	54
1952M/7T	7314151806637	54
1952M-10	7314151057213	52
1952M-11	7314151057220	52
1952M-12	7314151057237	52
1952M-13	7314151057244	52
1952M-14	7314151057251	52
1952M-15	7314151057268	52
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1952M-19	7314151057305	52
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1952M-21	7314151057329	52
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1952M-23	7314151057343	52
1952M-24	7314151057350	52
1952M-25	7314151057367	52
1952M-26	7314151057374	52
1952M-27	7314151057381	52
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1952M-29	7314151325763	52
1952M-30	7314151057404	52
1952M-32	7314151057411	52
1952M-34	7314151838553	52
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1952M-41	7314151057435	52
1952M-46	7314151840105	52
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1952M-55	7314151840129	52
1952M-6	7314151057176	52
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1952M-80	7314150135509	52
1952M-9	7314151057206	52
1952Z/11T	7314151057725	55
1952Z-1	7314151057602	53
1952Z-1.1/16	7314151057619	53
1952Z-1.1/2	7314151057756	53
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1952Z-1.3/8	7314151057732	53
1952Z-1.5/16	7314151057718	53
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1952Z-1.7/16	7314151057749	53
1952Z-1/2	7314151057527	53
1952Z-1/4	7314151057480	53
1952Z-11/16	7314151057558	53
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1952Z-13/16	7314151057572	53
1952Z-15/16	7314151057596	53
1952Z-3/4	7314151057565	53
1952Z-3/8	7314151057503	53
1952Z-5/16	7314151057497	53
1952Z-5/8	7314151057541	53
1952Z-7/16	7314151057510	53
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228-SD	7311518277048	152
228-SET-SD	7314150217946	153
229-SD	7311518277055	153
230-SD	7311518280956	153
2484T/S4	7314150455096	80
2484T-20	7314150455102	79
2484T-30	7314150455119	79
2484T-45	7314150455126	79
2484T-60	7314150455133	79
2535F0	7314150402236	80
2535F1	7314151064495	80
2535F2	7314150233854	80
2535F3	7314150180233	80
28M-10	7314151834678	55
28M-11	7314151834685	55
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