



NON-SPARKING TOOLS 2026



2024:

A special year - a special catalogue!


We are delighted to present our anniversary catalogue.

In addition to the current product range, you will also find many interesting insights into 100 years of ELORA history.

As a thank you for your many years of loyalty, we have put together a special and attractive anniversary range in our "100" chapter.

We wish you lots of fun and success with the ELORA anniversary catalogue.

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100 Years ELORA 100 Years Quality



ELORA safety tools

ELORA safety tools are recommended for use in hazardous environments where flammable or combustible vapors, liquids, dusts or residues are present.

In the following areas, among others, ELORA safety tools are recommended:

in manufacturing operations:

- alcohol industries
- plants for ammunition, missile and explosives
- automotive plants (spray booth)
- bakeries
- breweries and distilleries
- chemical industries
- metal production
- fertilizer plants
- flammable materials manufacture
- flour mills
- furniture manufactures (varnish and painting handling)
- gas plants and coke by-products
- glass manufactures
- insulation manufacture
- leather products (tanneries)
- mining
- nuclear products
- oil and natural gas drilling, refining and handling
- petrochemicals
- petroleum refining
- pharmaceutical industry
- pipeline construction
- plastic manufactures
- rubber processing operations
- sugar mills
- synthetic fiber manufacture
- wine industry

in transportation industries

(including their maintenance, cleaning and service companies)

- airports
- railroads
- shipyards
- tankers
- tanker trucks

in government agencies (local, state and federal)

- aircraft and missile plants
- armed forces
(Army, Navy, Air Force, Marine, Coast Guard and Civil Support Units)
- Fire Departments
- First Responders to Weapons of Mass Destruction (WMD)
- munitions depots
- nuclear production and waste
- Public utilities
- waste management
- water treatment facilities

in other industries

- cleaning and spraying operations
- confined space maintenance
- explosives and pyrotechnics
- geophysical exploration
- grain storage and handling
- HAZMAT (= hazardous materials handling)
- maintenance and service operations
- packing plants
- warehousing of all hazardous materials

for non-magnetic applications (ONLY tools made of CUBE!)

- aircraft maintenance and overhaul
- aluminium and other metal smelting
- electronics manufactures
- hospitals and clinics magnetic resonance imaging
- mine sweepers
- nuclear products and testing machines
- public utilities
- radar transmission centers

for corrosion resistant applications

- boat owners
- canners
- chemical manufactures
- desalination plants
- food product manufactures
- insulation manufactures
- laboratories
- paper mills
- petrochemicals
- pharmaceutical industry
- plastic manufactures
- shipyards
- wine industry
- tankers and other work boats

Analysis of non-sparking material

Material	Specialbronze SB „S“ <small>Aluminium-multi-substance-bronze</small>					Copper-Beryllium CuBe „C“			
	Cu	Al	Ni	Fe	Mn	Be	Ni	Co	Cu
Analysis									
min. in %	Rest	8	4	4	-	1,8	0,1	0,4	Rest
max. in %	Rest	10,5	6	5,5	1,33	2,3	0,5	0,7	Rest
Mechanical properties	cured		untreated						
Strength N/mm ²	780-989		600-670			1117-1326			
Yield point N/mm ²	450-550		250-270			840-880			
Hardness	230-290		140-180			280-365			
Physical properties									
Magnetic properties	1,35 max.					1,005 max.			

Explosion prevention ATEX = ATmosphere Explosible

ATEX 137 (118), also called guideline 99/2/EG, is responsible for the safety of persons at commissioning, operation and attendance of explosive plants.

Corresponding ATEX 99/92/EC ELORA Tools are to be used in Ex-Zones.
 Since July 2003 only operating material, which conforms to this guideline, is allowed to be placed into circulation.

APPLICATION ADVICE

Because of its application methods, non-sparking tools have to be softer than conventional tools.
 For this reason the use of these tools has to be occurred with special care.

Overstraining has to be avoided.

The use of non-sparking tools must not be the only preventive measurement in areas of fire and explosion risk.
 For overall protection of staff and equipping, please follow the instructions of your professional association.

Little dictionary of the ex-zones

Zone 0:

An atmosphere where a mixture of air and flammable substances in form of gas, vapor or mist is present frequently, continuously or for long periods.

Zone 1:

An atmosphere where a mixture of air and flammable substances in form of gas, vapor or mist is likely to occur in normal operation occasionally.

Zone 2:

An atmosphere where a mixture of air and flammable substances in form of gas, vapor or mist is not likely to occur in normal operation but, if it does not occur, will persist for only a short period.

Zone 20:

An atmosphere where a cloud of combustible dust in the air is present frequently, continuously or for long periods.

Zone 21:

An atmosphere where a cloud of combustible dust in the air is likely to occur in normal operation occasionally.

Zone 22:

An atmosphere where a cloud of combustible dust in the air is not likely to occur in normal operation but, if it does occur, will persist for only a short period.

Inertization:

The oxygen from the air becomes eliminated by the addition of inert gas (for example argon, nitrogen, carbon dioxide) so that an explosive atmosphere is avoided.

Explosion Atmosphere:

Alloy of air and flammable gases, smokes, haze or dusts in atmospheric conditions, in which the combustion process passes on the hole unspent alloy after occurred combustion.

Explosive Area:

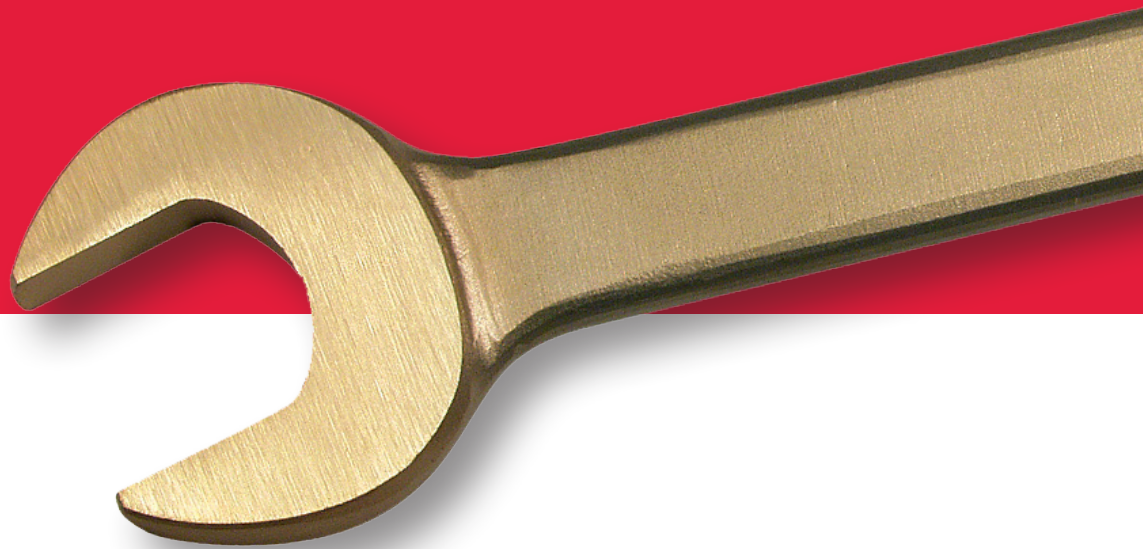
Area, in which the atmosphere can be potentially explosive because of the local and operating relationship.

Normal Operation:

Situation which takes place if the assets, protection systems and components reach their destined function within the scope of their design parameter.







SPANNERS

Double open end wrench

– analog DIN 3110 –



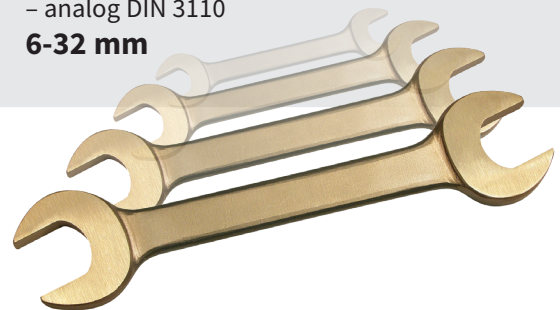
article no	size mm	length mm	weight g
0010607S	6 x 7	125	65
0010608S	6 x 8	125	65
0010708S	7 x 8	125	65
0010709S	7 x 9	125	65
0010809S	8 x 9	125	65
0010810S	8 x 10	125	60
0010910S	9 x 10	125	60
0010911S	9 x 11	140	90
0011011S	10 x 11	140	90
0011012S	10 x 12	140	85
0011013S	10 x 13	140	80
0011014S	10 x 14	160	180
0011113S	11 x 13	160	180
0011114S	11 x 14	160	180
0011213S	12 x 13	160	180
0011214S	12 x 14	160	170
0011315S	13 x 15	160	170
0011415S	14 x 15	160	165
0011416S	14 x 16	200	220
0011417S	14 x 17	200	220
0011617S	16 x 17	200	210
0011618S	16 x 18	200	210
0011719S	17 x 19	225	350
0011722S	17 x 22	225	320
0011819S	18 x 19	225	320
0011820S	18 x 20	225	310
0011821S	18 x 21	225	300
0011922S	19 x 22	240	440
0011924S	19 x 24	240	420
0012022S	20 x 22	240	440
0012123S	21 x 23	240	420
0012224S	22 x 24	240	420
0012227S	22 x 27	270	730
0012326S	23 x 26	270	730
0012426S	24 x 26	270	730
0012427S	24 x 27	270	730
0012430S	24 x 30	270	700
0012528S	25 x 28	270	700
0012629S	26 x 29	270	700
0012729S	27 x 29	300	810
0012730S	27 x 30	300	800
0012732S	27 x 32	300	800
0013032S	30 x 32	300	780
0013034S	30 x 34	320	1240
0013036S	30 x 36	320	1220
0013234S	32 x 34	320	1200

article no	size mm	length mm	weight g
0013236S	32 x 36	320	1140
0013436S	34 x 36	320	1100
0013538S	35 x 38	370	1480
0013638S	36 x 38	370	1480
0013641S	36 x 41	370	1450
0014146S	41 x 46	370	1400
0014650S	46 x 50	390	1700
0015055S	50 x 55	440	1700
0015060S	50 x 60	440	1700
0015560S	55 x 60	470	1800
0016065S	60 x 65	470	1800
0016570S	65 x 70	630	3500
0017080S	70 x 80	630	3400
0017580S	75 x 80	630	3300

Set of double open end wrenches

– analog DIN 3110

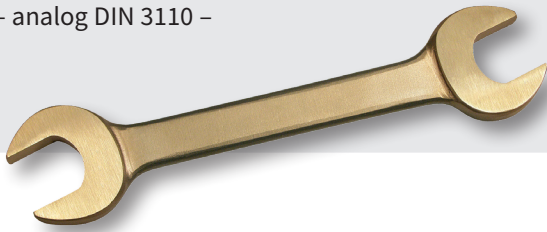
6-32 mm



article no	size mm	weight g
0010000S	6 x 7 – 8 x 9 – 10 x 11	4120
12-tlg.	12 x 13 – 14 x 15 – 16 x 17	
	18 x 19 – 20 x 22 – 21 x 23	
	24 x 27 – 25 x 28 – 30 x 32	

Double open end wrench Inch

- analog DIN 3110 -



Article no	SW Inch"	Length mm	Weight g
0017147S	1. $\frac{13}{16}$ x 2	390	1700
0017148S	1. $\frac{3}{4}$ x 2. $\frac{1}{16}$	390	1700
0017149S	2 x 2. $\frac{3}{16}$	440	1700
0017150S	2 x 2. $\frac{5}{16}$	440	1700
0017151S	2. $\frac{3}{16}$ x 2. $\frac{3}{8}$	470	1800
0017152S	2. $\frac{1}{4}$ x 2. $\frac{3}{8}$	470	1800

Article no	SW Inch"	Length mm	Weight g
0017140S	$\frac{7}{32}$ x $\frac{1}{4}$	125	65
0017101S	$\frac{1}{4}$ x $\frac{5}{16}$	125	65
0017102S	$\frac{5}{16}$ x $\frac{3}{8}$	125	60
0017103S	$\frac{3}{8}$ x $\frac{7}{16}$	140	90
0017104S	$\frac{7}{16}$ x $\frac{1}{2}$	140	85
0017113S	$\frac{1}{2}$ x $\frac{5}{8}$	160	170
0017105S	$\frac{1}{2}$ x $\frac{9}{16}$	160	170
0017114S	$\frac{1}{2}$ x $\frac{11}{16}$	200	220
0017106S	$\frac{9}{16}$ x $\frac{5}{8}$	200	220
0017115S	$\frac{9}{16}$ x $\frac{3}{4}$	200	220
0017107S	$\frac{19}{32}$ x $\frac{11}{16}$	200	220
0017116S	$\frac{19}{32}$ x $\frac{25}{32}$	200	220
0017108S	$\frac{5}{8}$ x $\frac{11}{16}$	200	200
0017109S	$\frac{5}{8}$ x $\frac{3}{4}$	225	310
0017117S	$\frac{11}{16}$ x $\frac{25}{32}$	225	300
0017118S	$\frac{11}{16}$ x $\frac{7}{8}$	225	300
0017110S	$\frac{3}{4}$ x $\frac{7}{8}$	225	300
0017119S	$\frac{3}{4}$ x $\frac{25}{32}$	225	300
0017120S	$\frac{3}{4}$ x $\frac{13}{16}$	225	310
0017141S	$\frac{3}{4}$ x $\frac{7}{8}$	225	310
0017121S	$\frac{25}{32}$ x $\frac{13}{16}$	225	300
0017122S	$\frac{25}{32}$ x $\frac{7}{8}$	225	300
0017123S	$\frac{13}{16}$ x $\frac{7}{8}$	225	300
0017124S	$\frac{7}{8}$ x $\frac{15}{16}$	225	300
0017125S	$\frac{7}{8}$ x $\frac{31}{32}$	240	400
0017126S	$\frac{7}{8}$ x 1	240	400
0017127S	$\frac{7}{8}$ x 1. $\frac{1}{16}$	270	720
0017111S	$\frac{15}{16}$ x 1	270	720
0017128S	$\frac{15}{16}$ x 1. $\frac{1}{16}$	270	720
0017129S	1 x 1. $\frac{1}{8}$	270	700
0017130S	1 x 1. $\frac{5}{16}$	300	750
0017112S	1. $\frac{1}{16}$ x 1. $\frac{1}{4}$	300	750
0017131S	1. $\frac{1}{8}$ x 1. $\frac{5}{16}$	300	750
0017142S	1. $\frac{1}{16}$ x 1. $\frac{7}{16}$	320	1220
0017132S	1. $\frac{1}{8}$ x 1. $\frac{1}{2}$	320	1150
0017133S	1. $\frac{1}{4}$ x 1. $\frac{3}{8}$	320	1150
0017134S	1. $\frac{1}{4}$ x 1. $\frac{7}{16}$	320	1150
0017135S	1. $\frac{5}{16}$ x 1. $\frac{1}{2}$	370	1480
0017136S	1. $\frac{1}{4}$ x 1. $\frac{5}{8}$	370	1400
0017137S	1. $\frac{3}{8}$ x 1. $\frac{1}{2}$	370	1400
0017138S	1. $\frac{7}{16}$ x 1. $\frac{5}{8}$	370	1400
0017139S	1. $\frac{1}{2}$ x 1. $\frac{11}{16}$	370	1400
0017143S	1. $\frac{5}{8}$ x 1. $\frac{13}{16}$	370	1400
0017144S	1. $\frac{5}{8}$ x 1. $\frac{3}{4}$	370	1350
0017145S	1. $\frac{11}{16}$ x 1. $\frac{7}{8}$	370	1350
0017146S	1. $\frac{11}{16}$ x 2	390	1700

Set of double open end wrenches Inch

- analog DIN 3110 -
1/4-1"



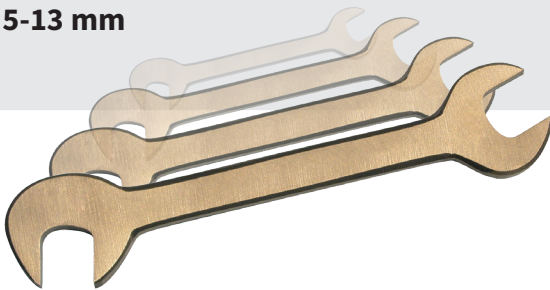
Article no	SW Inch"	Weight g
0010001S	$\frac{1}{4}$ x $\frac{5}{16}$ - $\frac{3}{8}$ x $\frac{7}{16}$	1850
8-tlg.	$\frac{7}{16}$ x $\frac{1}{2}$ - $\frac{1}{2}$ x $\frac{9}{16}$	
	$\frac{9}{16}$ x $\frac{5}{8}$ - $\frac{5}{8}$ x $\frac{11}{16}$	
	$\frac{3}{4}$ x $\frac{7}{8}$ - $\frac{15}{16}$ x 1	

Double open end wrench small



Article no	SW mm	Length mm	Weight g
0017204S	4	70	7
0017201S	4,5	70	7
0017205S	5	78	7
0017202S	5,5	78	10
0017206S	6	78	10
0017207S	7	91	10
0017208S	8	96	15
0017209S	9	103	15
0017210S	10	105	20
0017211S	11	116	20
0017212S	12	116	35
0017213S	13	131	35
0017214S	14	131	35

Set of double open end wrenches small 5-13 mm



Article no	SW mm	Weight g
0017200S	5 - 5,5 - 6 - 7 - 8	180
10-pcs	9 - 10 - 11 - 12 - 13	

Flat double open end wrench - analog DIN 658 -



Article no	SW mm	Length mm	Weight g
0017153S	3 x 3,5	50	4,5
0017154S	4 x 4,5	60	5
0017155S	5 x 5,5	70	6
0017156S	6 x 7	80	7,5
0017157S	8 x 9	90	10
0017158S	10 x 11	100	12

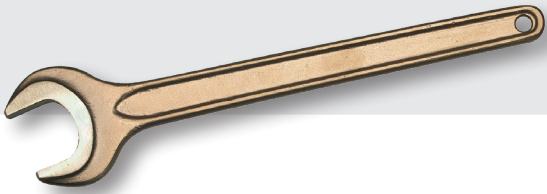
Flat double open end wrench Inch - analog DIN 658 -



Article no	SW Inch/''	Length mm	Weight g
0017159S	5/32 x 3/16	60	5
0017160S	3/16 x 7/32	70	6
0017161S	1/4 x 9/32	80	7,5
0017162S	1/4 x 5/16	80	7,5
0017163S	5/16 x 11/32	90	10
0017164S	5/16 x 3/8	90	10
0017165S	5/16 x 13/32	100	12
0017166S	3/8 x 7/16	100	12

Single open end wrench

- analog DIN 894 -

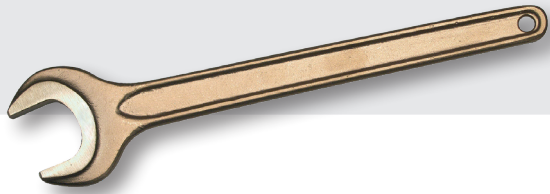


Article no	SW mm	Length mm	Weight g
0020006S	6	90	14
0020007S	7	90	13
0020008S	8	90	12
0020009S	9	90	11
0020010S	10	100	25
0020011S	11	100	22
0020012S	12	140	45
0020013S	13	140	40
0020014S	14	165	80
0020015S	15	165	75
0020016S	16	165	70
0020017S	17	165	70
0020018S	18	165	70
0020019S	19	190	100
0020020S	20	190	95
0020021S	21	205	140
0020022S	22	205	130
0020023S	23	220	170
0020024S	24	220	170
0020025S	25	220	160
0020026S	26	220	160
0020027S	27	220	150
0020028S	28	250	270
0020029S	29	250	260
0020030S	30	250	250
0020032S	32	285	340
0020033S	33	285	340
0020034S	34	285	320
0020035S	35	285	320
0020036S	36	285	300
0020037S	37	285	300
0020038S	38	330	540
0020041S	41	330	520
0020042S	42	330	500
0020046S	46	360	650
0020047S	47	360	630
0020050S	50	440	1100
0020052S	52	440	1100
0020054S	54	440	1050
0020055S	55	440	1050
0020056S	56	440	1000
0020058S	58	480	1475
0020060S	60	480	1475
0020063S	63	520	1700
0020065S	65	520	1700
0020067S	67	520	1700

Article no	SW mm	Length mm	Weight g
0020070S	70	540	1900
0020071S	71	540	1900
0020075S	75	540	1800
0020077S	77	540	1800
0020080S	80	630	2900
0020082S	82	630	2800
0020085S	85	680	3400
0020088S	88	680	3300
0020090S	90	680	3200
0020094S	94	820	5000
0020095S	95	820	4800
0020100S	100	820	5900
0020105S	105	850	8900
0020110S	110	900	9000
0020115S	115	950	9300
0020120S	120	990	9600
0020125S	125	1000	8300
0020130S	130	1000	8300
0020135S	135	1000	8300

Single open end wrench Inch

- analog DIN 894 -



Article no	SW Inch/''	Length mm	Weight g
0021001S	1/4	90	14
0021002S	5/16	90	12
0021003S	11/32	90	11
0021004S	3/8	90	11
0021005S	13/32	100	25
0021006S	7/16	100	22
0021007S	1/2	140	40
0021008S	9/16	165	80
0021009S	19/32	165	75
0021010S	5/8	165	70
0021011S	11/16	165	70
0021012S	3/4	190	100
0021013S	25/32	190	95
0021014S	13/16	205	140
0021015S	7/8	205	130
0021016S	15/16	220	170
0021017S	31/32	220	170
0021018S	1	220	160
0021019S	1. 1/16	220	150
0021020S	1. 1/8	250	270
0021021S	1. 3/16	250	250
0021022S	1. 1/4	285	340
0021023S	1. 5/16	285	340
0021024S	1. 3/8	285	320
0021025S	1. 7/16	285	300
0021026S	1. 1/2	330	540
0021027S	1. 9/16	330	520
0021028S	1. 5/8	330	520
0021029S	1. 11/16	330	500
0021030S	1. 3/4	360	650
0021031S	1. 13/16	360	650
0021032S	1. 7/8	360	630
0021033S	2	440	1100
0021034S	2. 1/16	440	1100
0021035S	2. 1/8	440	1050
0021036S	2. 3/16	440	1050
0021037S	2. 1/4	480	1000
0021038S	2. 5/16	480	1475
0021039S	2. 3/8	480	1475
0021040S	2. 7/16	520	1700
0021041S	2. 1/2	520	1700
0021042S	2. 9/16	520	1700
0021043S	2. 5/8	520	1700
0021044S	2. 3/4	540	1900
0021045S	2. 13/16	540	1900
0021046S	2. 15/16	540	1900

Article no	SW Inch/''	Length mm	Weight g
0021047S	3	540	1800
0021048S	3. 1/8	630	2900
0021049S	3. 1/4	630	2800
0021050S	3. 3/8	680	3400
0021051S	3. 1/2	680	3300
0021052S	3. 5/8	680	3200
0021053S	3. 3/4	830	5000
0021054S	3. 7/8	830	4800

Combination wrench

– analog DIN 3113 –



Article no	SW mm	Length mm	Weight g
0130006S	6	130	50
0130007S	7	130	55
0130008S	8	135	55
0130009S	9	150	95
0130010S	10	150	85
0130011S	11	150	90
0130012S	12	190	170
0130013S	13	190	165
0130014S	14	190	160
0130015S	15	210	230
0130016S	16	210	230
0130017S	17	210	220
0130018S	18	230	330
0130019S	19	230	330
0130020S	20	230	325
0130021S	21	250	360
0130022S	22	250	355
0130023S	23	250	350
0130024S	24	270	500
0130025S	25	270	475
0130026S	26	270	470
0130027S	27	280	665
0130028S	28	280	680
0130029S	29	280	630
0130030S	30	300	730
0130032S	32	300	650
0130034S	34	320	950
0130036S	36	330	930
0130038S	38	400	2150
0130041S	41	410	2000
0130046S	46	410	1900
0130050S	50	525	3400
0130055S	55	525	3500
0130060S	60	525	3300
0130065S	65	680	3200
0130070S	70	680	3800
0130075S	75	680	3900
0130080S	80	680	4000

Set of combination wrenches

– analog DIN 3113 –



Description	Article no	SW mm	Weight g
8-pcs 8-19 mm	0130002S	8 – 9 – 10 – 11 13 – 14 – 17 – 19	1200
11-pcs 8-22 mm	0130003S	8 – 10 – 11 – 12 13 – 14 – 16 – 17 18 – 19 – 22	2200
12-pcs 10-32 mm	0130001S	10 – 11 – 12 – 13 14 – 17 – 19 – 22 24 – 27 – 30 – 32	4100
26-pcs 6-32 mm	0130000S	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 – 32	8450

Combination wrench Inch

- analog DIN 3113 -

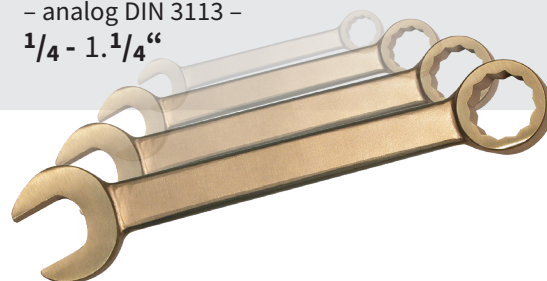


Article no	SW Inch"	Length mm	Weight g
0137101S	1/4	135	45
0137102S	5/16	135	45
0137118S	11/32	150	60
0137103S	3/8	150	60
0137104S	7/16	150	60
0137105S	1/2	190	110
0137106S	9/16	190	110
0137107S	19/32	210	200
0137108S	5/8	210	200
0137109S	11/16	230	230
0137110S	3/4	230	230
0137119S	25/32	230	230
0137111S	13/16	250	300
0137112S	7/8	250	300
0137113S	15/16	270	410
0137120S	31/32	270	410
0137114S	1	270	410
0137115S	1. 1/16	280	510
0137116S	1. 1/8	280	510
0137121S	1. 3/16	300	570
0137117S	1. 1/4	300	570
0137122S	1. 5/16	300	570
0137123S	1. 3/8	330	840
0137124S	1. 7/16	330	840
0137125S	1. 1/2	330	840
0137126S	1. 9/16	410	2000
0137127S	1. 5/8	410	2000
0137128S	1. 11/16	410	2000
0137129S	1. 3/4	410	1900
0137130S	1. 13/16	410	1900
0137131S	1. 7/8	435	1600
0137132S	2	435	1600
0137133S	2. 1/16	435	1600
0137134S	2. 1/8	455	2000
0137135S	2. 3/16	455	2000
0137136S	2. 1/4	475	2500

Set of Combination wrenches Inch

- analog DIN 3113 -

1/4 - 1.1/4"



Article no	SW Inch"	Weight g
0137100S	1/4 - 5/16 - 3/8 - 7/16	3300
12-pcs	1/2 - 9/16 - 5/8 - 3/4	
	7/8 - 1 - 1. 1/16 - 1.1/4	

Combination wrench with ring ratchet



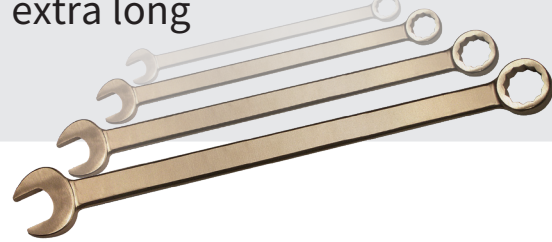
Article no	SW mm	Length mm	Weight g
0131008C	8	140	50
0131009C	9	140	50
0131010C	10	140	50
0131011C	11	140	50
0131012C	12	170	80
0131013C	13	180	100
0131014C	14	190	120
0131015C	15	190	120
0131016C	16	215	150
0131017C	17	215	170
0131018C	18	215	250
0131019C	19	215	370
0131020C	20	250	420
0131021C	21	250	420
0131022C	22	250	500
0131024C	24	280	650
0131027C	27	300	800
0131030C	30	320	1200
0131032C	32	360	1300
0131036C	36	380	1600

Set of combination wrenches with ring ratchet



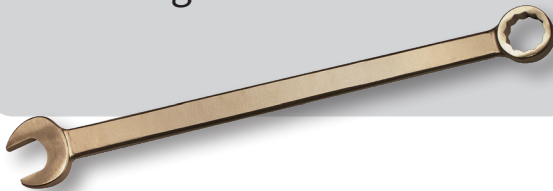
Description	Article no	SW mm	Weight g
8-pcs 8-19 mm	0131000C	8 - 9 - 10 - 11 13 - 14 - 17 - 19	960
11-pcs 8-22 mm	0131001C	8 - 10 - 11 - 12 13 - 14 - 16 - 17 18 - 19 - 22	1810
12-pcs 10-32 mm	0131002C	10 - 11 - 12 - 13 14 - 17 - 19 - 22 24 - 27 - 30 - 32	5390

Set of combination wrenches extra long



Description	Article no	SW mm	Weight g
6-pcs 10-22 mm	0137162S	10 - 12 - 13 - 17 19 - 22	825
10-pcs 10-32 mm	0137164S	10 - 12 - 13 - 17 19 - 22 - 24 - 27 30 - 32	3325

Combination wrench extra long



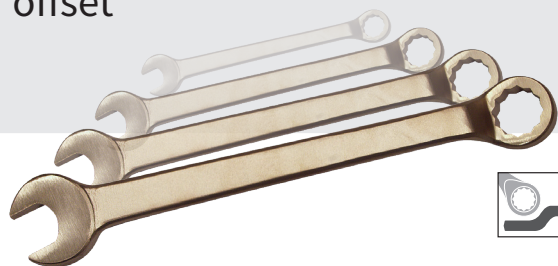
Article no	SW mm	Length mm	Weight g
0137140S	10	190	70
0137142S	12	210	70
0137143S	13	225	90
0137147S	17	280	135
0137149S	19	310	200
0137151S	22	350	260
0137153S	24	400	370
0137154S	27	450	500
0137155S	30	480	900
0137156S	32	500	730
0137159S	36	550	1200
0137160S	41	600	2000
0137161S	46	640	2800

Combination wrench offset



Article no	SW mm	Length mm	Weight g
0137170S	10	148	70
0137172S	12	168	65
0137173S	13	185	80
0137177S	17	232	140
0137179S	19	258	190
0137182S	22	292	300
0137184S	24	318	370
0137187S	27	352	500
0137190S	30	390	645
0137191S	32	412	780

Set of combination wrenches offset



Description	Article no	SW mm	Weight g
6-pcs 10-22 mm	0137206S	10 - 12 - 13 - 17 19 - 22	845
10-pcs 10-32 mm	0137208S	10 - 12 - 13 - 17 19 - 22 - 24 - 27 30 - 32	3140

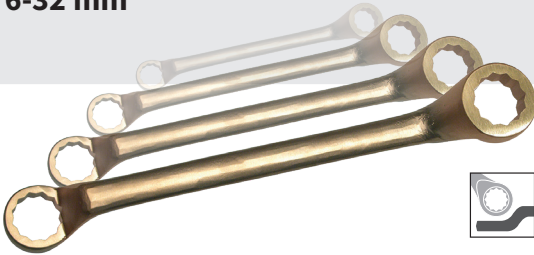
Double end box wrench offset – analog DIN 838 –



Article no	SW mm	Length mm	Weight g
0110607S	6 x 7	170	105
0110608S	6 x 8	170	110
0110708S	7 x 8	170	100
0110709S	7 x 9	170	100
0110809S	8 x 9	170	100
0110810S	8 x 10	180	140
0110910S	9 x 10	180	125
0110911S	9 x 11	180	135
0111011S	10 x 11	180	145
0111012S	10 x 12	180	140
0111013S	10 x 13	195	175
0111014S	10 x 14	195	170
0111113S	11 x 13	195	190
0111114S	11 x 14	195	180
0111213S	12 x 13	195	180
0111214S	12 x 14	195	180
0111314S	13 x 14	195	175
0111315S	13 x 15	230	240
0111316S	13 x 16	230	240
0111317S	13 x 17	230	250

Article no	SW mm	Length mm	Weight g
0111415S	14 x 15	230	250
0111416S	14 x 16	230	240
0111417S	14 x 17	230	230
0111617S	16 x 17	230	240
0111618S	16 x 18	280	420
0111719S	17 x 19	280	400
0111722S	17 x 22	280	380
0111819S	18 x 19	280	400
0111820S	18 x 20	280	390
0111821S	18 x 21	280	390
0111922S	19 x 22	280	370
0111924S	19 x 24	300	530
0112022S	20 x 22	280	380
0112123S	21 x 23	300	510
0112124S	21 x 24	300	510
0112224S	22 x 24	300	510
0112227S	22 x 27	330	650
0112326S	23 x 26	330	670
0112426S	24 x 26	330	680
0112427S	24 x 27	330	670
0112430S	24 x 30	370	930
0112528S	25 x 28	330	660
0112629S	26 x 29	370	1000
0112729S	27 x 29	370	1000
0112730S	27 x 30	370	900
0112732S	27 x 32	370	900
0113032S	30 x 32	370	860
0113034S	30 x 34	430	850
0113036S	30 x 36	430	1300
0113234S	32 x 34	430	1300
0113236S	32 x 36	430	1300
0113436S	34 x 36	430	1250
0113538S	35 x 38	450	1400
0113638S	36 x 38	450	1450
0113641S	36 x 41	450	1450
0113842S	38 x 42	460	1450
0114146S	41 x 46	460	1800
0114650S	46 x 50	480	2100
0115055S	50 x 55	540	3000
0115060S	50 x 60	540	2800
0115560S	55 x 60	540	2800
0116065S	60 x 65	690	4200
0116570S	65 x 70	690	4200
0117080S	70 x 80	770	6000
0117580S	75 x 80	790	6600
0118590S	85 x 90	800	7000

Set of combination Wrenches offset – analog DIN 838 – 6-32 mm



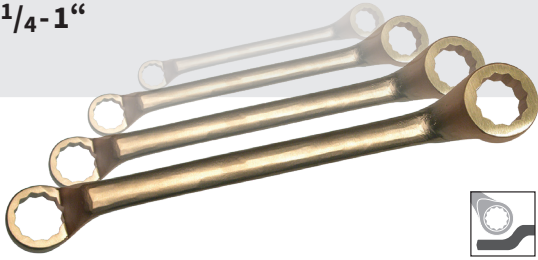
Article no	SW mm	Weight g
011000S	6 x 7 – 8 x 9 – 10 x 11	4500
12-pcs	12 x 13 – 14 x 15 – 16 x 17	
	18 x 19 – 20 x 22 – 21 x 23	
	24 x 27 – 25 x 28 – 30 x 32	

Combination wrench Inch offset – analog DIN 838 –



Article no	SW Inch"	Length mm	Weight g
0117101S	1/4 x 5/16	170	110
0117102S	5/16 x 3/8	170	100
0117103S	3/8 x 7/16	180	135
0117104S	7/16 x 1/2	195	190
0117105S	1/2 x 9/16	195	175
0117113S	1/2 x 19/32	230	240
0117106S	9/16 x 5/8	230	250
0117107S	19/32 x 11/16	230	230
0117108S	5/8 x 11/16	230	240
0117109S	5/8 x 3/4	280	400
0117114S	11/16 x 3/4	280	400
0117115S	11/16 x 25/32	280	380
0117116S	3/4 x 25/32	280	360
0117110S	3/4 x 7/8	280	370
0117117S	13/16 x 7/8	280	380
0117118S	25/32 x 13/16	280	350
0117119S	7/8 x 15/16	300	510
0117120S	7/8 x 1	300	500
0117121S	7/8 x 1. 1/16	330	650
0117111S	15/16 x 1	330	670
0117122S	1 x 1. 1/8	330	660
0117123S	1. 1/16 x 1. 1/8	370	1000
0117112S	1. 1/16 x 1. 1/4	370	900
0117124S	1. 1/8 x 1. 5/16	370	880
0117125S	1. 3/16 x 1. 5/16	430	850
0117126S	1. 1/4 x 1. 5/16	430	1200
0117127S	1. 1/4 x 1. 3/8	430	1300
0117128S	1. 1/4 x 1. 7/16	430	1300
0117129S	1. 5/16 x 1. 1/2	430	1200
0117130S	1. 3/8 x 1. 1/2	450	1400
0117131S	1. 7/16 x 1. 5/8	450	1450
0117132S	1. 5/8 x 1. 13/16	460	1800
0117133S	1. 11/16 x 1. 7/8	460	1800
0117134S	1. 13/16 x 2	480	2100
0117135S	1. 3/4 x 2. 1/16	480	2000
0117136S	2 x 2. 3/16	540	3000
0117137S	2 x 2. 3/8	540	2800
0117138S	2. 3/16 x 2. 3/8	540	2800
0117139S	2. 1/4 x 2. 7/16	540	2700

Set of combination Wrenches Inch offset – analog DIN 838 –
1/4-1“



Article no	SW Inch/”	Weight g
0117100S	1/4 x 5/16 – 3/8 x 7/16	2100
8-pcs	7/16 x 1/2 – 1/2 x 9/16	
	9/16 x 5/8 – 5/8 x 11/16	
	3/4 x 7/8 – 15/16 x 1	

Double end box wrench straight – analog DIN 837 –



Article no	SW mm	Length mm	Weight g
0120607S	6 x 7	98	12
0120809S	8 x 9	113	16
0120810S	8 x 10	115	20
0120911S	9 x 11	130	22
0121011S	10 x 11	130	24
0121013S	10 x 13	148	24
0121213S	12 x 13	148	40
0121214S	12 x 14	150	45
0121314S	13 x 14	150	45
0121315S	13 x 15	160	45
0121415S	14 x 15	160	48
0121317S	13 x 17	168	50
0121417S	14 x 17	170	50
0121617S	16 x 17	170	70
0121618S	16 x 18	185	65
0121719S	17 x 19	185	80
0121819S	18 x 19	185	80
0121922S	19 x 22	208	120
0121924S	19 x 24	208	120
0122022S	20 x 22	208	120
0122123S	21 x 23	233	120
0122224S	22 x 24	233	120
0122426S	24 x 26	260	135
0122427S	24 x 27	260	130
0122430S	24 x 30	290	185
0122528S	25 x 28	290	200
0122628S	26 x 28	290	190
0122729S	27 x 29	320	185
0122732S	27 x 32	320	228
0123032S	30 x 32	320	228
0123036S	30 x 36	357	284
0123236S	32 x 36	357	284
0123641S	36 x 41	392	330
0124146S	41 x 46	432	810
0124650S	46 x 50	477	1040

Double end box wrench Inch straight – analog DIN 837 –



Artikel-Nr	SW Inch/''	Length mm	Weight g
0120001S	1/4 x 5/16	100	12
0120002S	5/16 x 3/8	115	16
0120003S	3/8 x 7/16	125	22
0120004S	7/16 x 9/16	140	45
0120005S	1/2 x 5/8	155	50
0120006S	1/2 x 19/32	140	45
0120007S	9/16 x 11/16	155	50
0120008S	5/8 x 25/32	190	80
0120009S	11/16 x 3/4	190	80
0120010S	3/4 x 7/8	200	120
0120011S	13/16 x 15/16	200	120
0120012S	15/16 x 1. 1/16	210	130
0120013S	1 x 1. 1/8	255	200
0120014S	1. 3/16 x 1. 1/4	265	228

Single box wrench 12-point – analog DIN 3111 –



Artikel-Nr	SW mm	Length mm	Weight g
0090014S	14	140	130
0090015S	15	140	130
0090016S	16	155	150
0090017S	17	155	150
0090018S	18	170	250
0090019S	19	170	280
0090020S	20	190	280
0090021S	21	190	300
0090022S	22	190	300
0090023S	23	215	300
0090024S	24	215	400
0090025S	25	230	430
0090026S	26	230	450
0090027S	27	230	500
0090028S	28	265	520
0090029S	29	265	510
0090030S	30	265	500
0090032S	32	265	490
0090033S	33	265	480
0090034S	34	290	670
0090035S	35	290	660
0090036S	36	290	650
0090037S	37	325	900
0090038S	38	325	900
0090041S	41	325	900
0090042S	42	325	900
0090046S	46	365	1100
0090047S	47	365	1100
0090050S	50	400	1400
0090052S	52	430	1800
0090054S	54	430	1700
0090055S	55	445	1650
0090056S	56	465	1800
0090058S	58	465	1800
0090060S	60	465	2000
0090063S	63	500	2300
0090065S	65	500	2100
0090067S	67	500	2000
0090070S	70	550	3000
0090071S	71	550	2800
0090075S	75	620	5000
0090077S	77	620	5000
0090080S	80	620	4500
0090082S	82	620	4300
0090085S	85	650	5000
0090088S	88	650	4800
0090090S	90	650	4200
0090094S	94	700	5200
0090095S	95	700	5200

Single box wrench Inch 12-point – analog DIN 3111 –



Article no	SW Inch/''	Length mm	Weight g
0090001S	1/2	140	130
0090002S	9/16	140	130
0090003S	19/32	140	130
0090004S	5/8	155	150
0090005S	11/16	155	150
0090006S	3/4	170	280
0090007S	25/32	190	280
0090008S	13/16	190	300
0090009S	7/8	190	300
0090010S	15/16	215	400
0090011S	31/32	215	430
0090012S	1	230	430
0090013S	1. 1/16	230	500
0090096S	1. 1/8	265	520
0090097S	1. 3/16	265	500
0090098S	1. 1/4	265	490
0090099S	1. 5/16	265	480
0090100S	1. 3/8	290	660
0090101S	1. 7/16	325	900
0090102S	1. 1/2	325	900
0090103S	1. 9/16	325	850
0090104S	1. 5/8	325	900
0090105S	1. 11/16	325	850
0090106S	1. 3/4	365	1200
0090107S	1. 13/16	365	1100
0090108S	1. 7/8	365	1100
0090109S	2	400	1400
0090110S	2. 1/16	430	1800
0090111S	2. 1/8	430	1700
0090112S	2. 3/16	445	1650
0090113S	2. 1/4	465	1800
0090114S	2. 5/16	465	1800
0090115S	2. 3/8	465	2000
0090116S	2. 7/16	500	2100
0090117S	2. 1/2	500	2000
0090118S	2. 9/16	500	2100
0090119S	2. 3/4	550	3000
0090120S	2. 15/16	620	5000
0090121S	3	620	5000
0090122S	3. 1/8	620	4500
0090123S	3. 3/8	650	5000
0090124S	3. 1/2	650	4800
0090125S	3. 3/4	700	5200

Striking open end wrench – analog DIN 133 –



Article no	SW mm	Length mm	Weight g
0030014S	14	120	120
0030017S	17	125	120
0030019S	19	125	125
0030022S	22	135	150
0030024S	24	150	200
0030027S	27	175	380
0030028S	28	175	370
0030029S	29	175	360
0030030S	30	175	350
0030032S	32	220	680
0030033S	33	220	670
0030034S	34	220	660
0030035S	35	220	650
0030036S	36	220	640
0030038S	38	230	630
0030041S	41	230	790
0030042S	42	230	750
0030046S	46	240	1150
0030047S	47	240	1200
0030050S	50	260	1350
0030052S	52	260	1500
0030054S	54	280	1900
0030055S	55	280	1600
0030056S	56	280	1550
0030058S	58	280	1500
0030060S	60	335	2600
0030063S	63	335	3000
0030065S	65	360	3000
0030067S	67	360	4200
0030070S	70	360	3800
0030071S	71	360	3700
0030075S	75	360	3600
0030077S	77	380	5000
0030080S	80	380	4800
0030082S	82	380	4700
0030085S	85	380	4500
0030088S	88	430	7200
0030090S	90	430	7000
0030094S	94	430	6900
0030095S	95	430	6800
0030100S	100	470	9500
0030105S	105	470	9300
0030110S	110	510	14100
0030115S	115	510	13300
0030120S	120	545	16400
0030125S	125	545	15500

Article no	SW mm	Length mm	Weight g
0030130S	130	575	19800
0030135S	135	575	19200
0030140S	140	575	19000
0030145S	145	640	27000
0030150S	150	640	26800
0030155S	155	640	26500
0030160S	160	640	26300
0030165S	165	715	39500
0030170S	170	715	38500
0030175S	175	715	37000
0030180S	180	715	36000
0030185S	185	715	35800
0030190S	190	715	38500
0030195S	195	715	38500
0030200S	200	715	38000
0030205S	205	715	37500
0030210S	210	715	37000
0030220S	220	715	36500
0030230S	230	715	36500

Striking open end wrench Inch

– analog DIN 133 –



Article no	SW Inch/''	Length mm	Weight g
0030001S	1	150	200
0030002S	1. 1/16	180	380
0030003S	1. 1/8	180	370
0030004S	1. 3/16	190	350
0030005S	1. 1/4	210	680
0030006S	1. 5/16	210	670
0030007S	1. 3/8	210	650
0030008S	1. 7/16	210	640
0030009S	1. 1/2	210	630
0030252S	1. 9/16	220	750
0030010S	1. 5/8	220	790
0030011S	1. 11/16	220	750
0030012S	1. 3/4	250	1100
0030013S	1. 13/16	250	1150
0030231S	1. 7/8	255	1200
0030232S	2	275	1350
0030233S	2. 1/16	275	1500
0030234S	2. 1/8	300	1900
0030235S	2. 3/16	290	1600
0030236S	2. 1/4	290	1500
0030237S	2. 5/16	290	1500
0030253S	2. 3/8	320	2600
0030238S	2. 7/16	330	3000
0030254S	2. 1/2	330	3000
0030239S	2. 9/16	330	3000
0030240S	2. 5/8	380	4200
0030241S	2. 3/4	380	3800
0030255S	2. 13/16	380	3700
0030256S	2. 15/16	380	3500
0030242S	3	380	4000
0030243S	3. 1/8	370	4800
0030244S	3. 1/4	370	4700
0030245S	3. 3/8	370	4500
0030246S	3. 1/2	430	7200
0030247S	3. 5/8	430	7000
0030248S	3. 3/4	430	6800
0030257S	3. 7/8	430	6600
0030249S	4	470	9500
0030250S	4. 1/8	470	9500
0030251S	4. 1/2	510	13300

Striking box wrench 12-point - analog DIN 7444 -



Article no	SW mm	Length mm	Weight g
0100017S	17	150	400
0100019S	19	150	400
0100022S	22	150	350
0100024S	24	150	350
0100027S	27	190	600
0100028S	28	190	580
0100029S	29	190	560
0100030S	30	190	550
0100032S	32	210	580
0100033S	33	210	570
0100034S	34	210	680
0100035S	35	210	700
0100036S	36	210	690
0100037S	37	210	680
0100038S	38	230	1100
0100041S	41	230	1000
0100042S	42	230	1000
0100046S	46	240	1250
0100047S	47	240	1270
0100050S	50	255	1400
0100052S	52	255	1400
0100054S	54	255	1350
0100055S	55	280	1340
0100056S	56	280	1330
0100057S	57	280	1300
0100058S	58	280	2500
0100060S	60	280	2400
0100063S	63	295	2900
0100065S	65	295	2800
0100067S	67	295	2700
0100070S	70	320	3400
0100071S	71	320	3300
0100075S	75	320	3200
0100076S	76	320	3100
0100077S	77	320	3000
0100080S	80	355	3600
0100082S	82	355	3500
0100085S	85	360	5000
0100088S	88	360	4800
0100090S	90	360	4600
0100094S	94	360	4500
0100095S	95	360	4400
0100100S	100	360	4200
0100105S	105	360	3900
0100110S	110	450	8600
0100115S	115	450	8100

Article no	SW mm	Length mm	Weight g
0100120S	120	480	9700
0100125S	125	480	9500
0100128S	128	520	13200
0100130S	130	520	13200
0100135S	135	520	12900
0100140S	140	520	12900
0100145S	145	580	19000
0100150S	150	580	18000
0100155S	155	580	17200
0100160S	160	580	19000
0100165S	165	650	28000
0100170S	170	650	27700
0100175S	175	650	27000
0100180S	180	650	26000
0100185S	185	700	32700
0100190S	190	700	32200
0100195S	195	700	31800
0100200S	200	700	31000

Striking box wrench Inch 12-point – analog DIN 7444 –



Striking box wrench offset • 12-point



Article no	SW Inch"	Length mm	Weight g
0100201S	11/16	150	400
0100202S	3/4	150	400
0100203S	25/32	150	390
0100204S	13/16	150	380
0100205S	7/8	150	350
0100206S	15/16	150	350
0100207S	1	150	340
0100208S	1. 1/16	190	700
0100209S	1. 1/8	190	580
0100210S	1. 1/4	190	580
0100211S	1. 3/16	190	550
0100006S	1. 5/16	190	570
0100212S	1. 3/8	210	700
0100008S	1. 7/16	210	690
0100009S	1. 1/2	230	1100
0100010S	1. 9/16	230	1000
0100213S	1. 5/8	230	1000
0100214S	1. 11/16	230	1000
0100013S	1. 3/4	240	1200
0100215S	1. 13/16	240	1250
0100216S	1. 7/8	240	1270
0100217S	2	255	1400
0100233S	2. 1/16	255	1400
0100218S	2. 1/8	255	1350
0100219S	2. 3/16	255	1340
0100220S	2. 1/4	255	1300
0100234S	2. 5/16	280	2500
0100221S	2. 3/8	280	2400
0100235S	2. 7/16	295	2700
0100236S	2. 1/2	295	2900
0100222S	2. 9/16	295	2800
0100223S	2. 5/8	295	2700
0100224S	2. 3/4	320	3200
0100237S	2. 13/16	320	3300
0100225S	2. 7/8	320	3300
0100226S	2. 15/16	320	3200
0100227S	3	320	3100
0100230S	3. 1/8	355	3600
0100238S	3. 1/4	355	3500
0100239S	3. 3/8	365	5000
0100240S	3. 1/2	360	4800
0100241S	3. 5/8	360	4500
0100231S	3. 3/4	360	4500
0100232S	3. 7/8	360	4300
0100242S	4	360	4200
0100243S	4. 1/8	360	3900
0100244S	4. 1/2	450	8100

Article no	SW mm	Length mm	Weight g
0100250S	27	245	1100
0100251S	30	270	1500
0100252S	32	270	1500
0100253S	36	280	1600
0100254S	41	310	2100
0100255S	46	320	2500
0100256S	50	320	2500
0100257S	55	320	2600
0100258S	60	355	3200
0100259S	65	380	3800
0100260S	70	400	4600
0100261S	75	420	5700
0100262S	80	440	6600
0100263S	85	440	7000
0100264S	90	440	9300
0100265S	95	440	10000
0100266S	100	440	11700
0100267S	110	440	13400
0100268S	115	440	14500

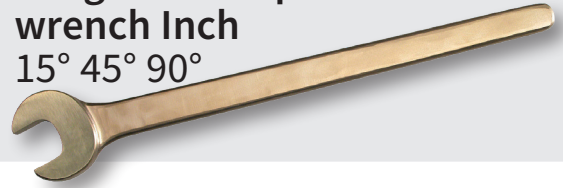
Long handle open end wrench 15° 45° 90°



*please add your desired position of the jaw,
e.g. 031..... = 15° / 032..... = 45° / 033..... = 90°

Article no + degrees	SW mm	Length mm	Weight g
*...0022S	22	340	450
*...0023S	23	340	450
*...0024S	24	340	600
*...0025S	25	380	600
*...0026S	26	380	850
*...0027S	27	450	850
*...0028S	28	450	1000
*...0029S	29	450	1000
*...0030S	30	450	1000
*...0032S	32	450	1000
*...0033S	33	450	1000
*...0034S	34	450	1000
*...0035S	35	490	1400
*...0036S	36	490	1400
*...0037S	37	490	1400
*...0038S	38	540	1400
*...0041S	41	540	1800
*...0042S	42	540	1800
*...0046S	46	600	2500
*...0047S	47	600	2500
*...0050S	50	660	3200
*...0052S	52	660	3200
*...0054S	54	660	4400
*...0055S	55	730	4400
*...0056S	56	730	4400
*...0058S	58	800	5600
*...0060S	60	800	5600

Long handle open end wrench Inch 15° 45° 90°



*Please add your desired position of the jaw,
e.g. 031..... = 15° / 032..... = 45° / 033..... = 90°

Article no + degrees	SW Inch/''	Length mm	Weight g
*...0001S	1 ³ / ₁₆	320	450
*...0002S	7/8	320	450
*...0003S	1 ⁵ / ₁₆	350	600
*...0004S	3 ¹ / ₃₂	350	600
*...0005S	1	350	600
*...0006S	1. 1/16	380	850
*...0007S	1. 1/8	420	1000
*...0008S	1. 3/16	450	1000
*...0009S	1. 1/4	450	1000
*...0010S	1. 5/16	450	1000
*...0011S	1. 3/8	500	1400
*...0012S	1. 7/16	500	1400
*...0013S	1. 1/2	500	1400
*...0014S	1. 9/16	550	1800
*...0015S	1. 5/8	550	1800
*...0016S	1. 11/16	550	1800
*...0017S	1. 3/4	600	2500
*...0018S	1. 13/16	600	2500
*...0019S	1. 7/8	600	2500
*...0020S	2	660	3200
*...0021S	2. 1/16	660	3200
*...0061S	2. 1/8	660	4400
*...0062S	2. 3/16	730	4400
*...0063S	2. 1/4	800	4400
*...0064S	2. 5/16	800	5600
*...0065S	2. 3/8	800	5600

Box wrench for extension



Box wrench for extension Inch



Article no	SW mm	Length mm	Weight g
0270025S	22	260	960
0270024S	24	260	1000
0270027S	27	260	960
0270030S	30	260	950
0270032S	32	260	940
0270033S	33	260	920
0270034S	34	260	910
0270035S	35	260	910
0270036S	36	260	910
0270037S	37	270	1200
0270038S	38	270	1900
0270041S	41	270	1100
0270042S	42	270	1100
0270046S	46	300	1500
0270047S	47	300	1500
0270050S	50	350	1700
0270052S	52	350	2600
0270054S	54	350	2500
0270055S	55	360	1900
0270056S	56	360	2600
0270058S	58	360	2500
0270060S	60	370	2500
0270063S	63	370	2500
0270065S	65	400	3200
0270067S	67	400	3100
0270070S	70	410	3000
0270071S	71	410	2800
0270075S	75	410	2700
0270077S	77	410	2600
0270080S	80	410	5000
0270082S	82	410	5000
0270085S	85	410	5100
0270090S	90	410	5010
0270095S	95	410	4790
0270100S	100	412	4545

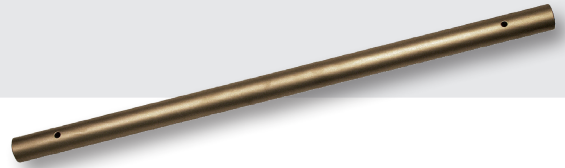
Article no	SW Inch"	Length mm	Weight g
0270001S	1. ³ / ₁₆	260	950
0270002S	1. ¹ / ₄	260	940
0270003S	1. ⁵ / ₁₆	260	920
0270004S	1. ³ / ₈	260	910
0270005S	1. ⁷ / ₁₆	260	910
0270006S	1. ¹ / ₂	270	1900
0270007S	1. ⁹ / ₁₆	270	1200
0270008S	1. ⁵ / ₈	270	1100
0270009S	1. ¹¹ / ₁₆	270	1100
0270010S	1. ³ / ₄	270	1000
0270011S	1. ¹³ / ₁₆	300	1500
0270012S	1. ⁷ / ₈	300	1500
0270013S	2	300	1700
0270014S	2. ¹ / ₁₆	350	2600
0270015S	2. ¹ / ₈	350	2400
0270016S	2. ³ / ₁₆	350	1900
0270017S	2. ¹ / ₄	350	2500
0270018S	2. ⁵ / ₁₆	350	2500
0270019S	2. ³ / ₈	370	2500
0270020S	2. ⁷ / ₁₆	370	2500
0270021S	2. ¹ / ₂	370	2500
0270022S	2. ⁹ / ₁₆	400	3200
0270023S	2. ⁵ / ₈	400	3100
0270104S	2. ³ / ₄	400	3000
0270105S	2. ¹³ / ₁₆	400	2800
0270106S	2. ¹⁵ / ₁₆	400	2700
0270107S	3	400	2500
0270108S	3. ¹ / ₈	410	4900
0270109S	3. ¹ / ₄	410	5000
0270110S	3. ³ / ₈	410	5100

Set of box wrenches for extension 24-85 mm



Article no	SW mm	Weight g
0270111S	24 - 27 - 30 - 32 - 36	40200
18-pcs	41 - 46 - 50 - 55 - 60 65 - 70 - 75 - 80 - 85	
	Aufsteckrohre 22-42 / 46-58 / 60-100	

Extension for box wrenches



Article no	SW mm/Inch"	Ø x Length mm	Weight g
0271001S	22-42 1. $\frac{3}{16}$ - 1. $\frac{5}{8}$	22 x 600	1100
0271002S	46-58 1. $\frac{11}{16}$ - 2. $\frac{1}{4}$	25 x 750	2800
0271003S	60-100 2. $\frac{5}{16}$ - 3. $\frac{3}{8}$	30 x 800	3800

Construction wrench with pin



Construction wrench Inch with pin



Article no	SW mm	Length mm	Weight g
0137300S	17	320	270
0137301S	18	320	270
0137302S	19	350	465
0137303S	20	350	465
0137304S	21	350	465
0137305S	22	350	465
0137306S	23	370	650
0137307S	24	370	650
0137308S	25	370	650
0137309S	26	370	650
0137310S	27	370	650
0137311S	28	400	950
0137312S	29	400	950
0137313S	30	400	950
0137314S	32	400	950
0137315S	33	400	950
0137316S	34	400	950
0137317S	35	430	1400
0137318S	36	430	1400
0137319S	37	430	1400
0137320S	38	430	1400
0137321S	41	470	1900
0137322S	42	470	1900
0137323S	46	500	2700
0137324S	47	500	2700
0137325S	50	530	3550

Article no	SW Inch"	Length mm	Weight g
0137326S	1 ¹ / ₁₆	320	270
0137327S	3/4	350	270
0137328S	2 ⁵ / ₃₂	350	465
0137329S	1 ³ / ₁₆	350	465
0137330S	7/8	350	465
0137331S	1 ⁵ / ₁₆	370	465
0137332S	3 ¹ / ₃₂	370	650
0137333S	1	370	650
0137334S	1. 1/16	370	650
0137335S	1. 1/8	400	650
0137336S	1. 3/16	400	650
0137337S	1. 1/4	400	950
0137338S	1. 5/16	400	950
0137339S	1. 3/8	430	950
0137340S	1. 7/16	430	1400
0137341S	1. 1/2	430	1400
0137342S	1. 9/16	470	1400
0137343S	1. 5/8	470	1900
0137344S	1. 1 ¹ / ₁₆	470	1900
0137345S	1. 3/4	500	1900
0137346S	1. 1 ³ / ₁₆	500	2700
0137347S	1. 7/8	500	2700
0137348S	2	530	3550

Construction wrench with pin offset



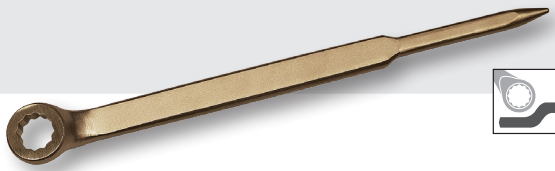
Article no	SW mm	Length mm	Weight g
0137349S	17	320	295
0137350S	18	320	295
0137351S	19	350	510
0137352S	20	350	510
0137353S	21	350	510
0137354S	22	350	510
0137355S	23	370	715
0137356S	24	370	715
0137357S	25	370	715
0137358S	26	370	715
0137359S	27	370	715
0137360S	28	400	1145
0137361S	29	400	1145
0137362S	30	400	1145
0137363S	32	400	1145
0137364S	33	400	1145
0137365S	34	400	1145
0137366S	35	430	1540
0137367S	36	430	1540
0137368S	37	430	1540
0137369S	38	430	1540
0137370S	41	470	2090
0137371S	42	470	2090
0137372S	46	500	2970
0137373S	47	500	2970
0137374S	50	530	3900

Construction wrench Inch with pin offset



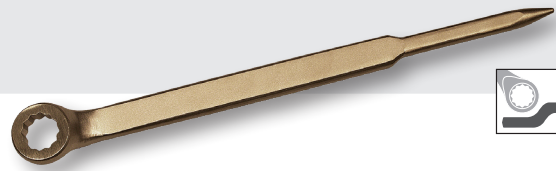
Article no	SW Inch/''	Length mm	Weight g
0137375S	11/16	290	295
0137376S	7/8	355	510
0137377S	15/16	355	510
0137378S	1. 1/16	380	715
0137379S	1. 3/16	380	715
0137380S	1. 1/4	410	1145
0137381S	1. 7/16	460	1540
0137382S	1. 1/2	460	1145
0137383S	1. 5/8	510	2090
0137384S	1. 13/16	550	2970
0137385S	2	550	3900

Construction box wrench with pin offset



Article no	SW mm	Length mm	Weight g
0137500S	17	320	295
0137501S	18	320	295
0137502S	19	350	510
0137503S	20	350	510
0137504S	21	350	510
0137505S	22	350	510
0137506S	23	370	715
0137507S	24	370	715
0137508S	25	370	715
0137509S	26	370	715
0137510S	27	370	715
0137511S	28	400	1145
0137512S	29	400	1145
0137513S	30	400	1145
0137514S	32	400	1145
0137515S	33	400	1145
0137516S	34	400	1145
0137517S	35	430	1540
0137518S	36	430	1540
0137519S	37	430	1540
0137520S	38	430	1540
0137521S	41	470	2090
0137522S	42	470	2090
0137523S	46	500	2970
0137524S	47	500	2970
0137525S	50	530	3900

Construction box wrench Inch with pin offset



Article no	SW Inch"	Length mm	Weight g
0137526S	11/16	290	295
0137527S	7/8	355	510
0137528S	15/16	355	510
0137529S	1. 1/16	380	715
0137530S	1. 3/16	380	715
0137531S	1. 1/4	410	1145
0137532S	1. 7/16	460	1540
0137533S	1. 1/2	460	1145
0137534S	1. 5/8	510	2090
0137535S	1. 13/16	550	2970
0137536S	2	550	3900

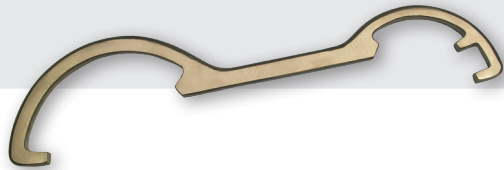




SPECIAL WRENCHES

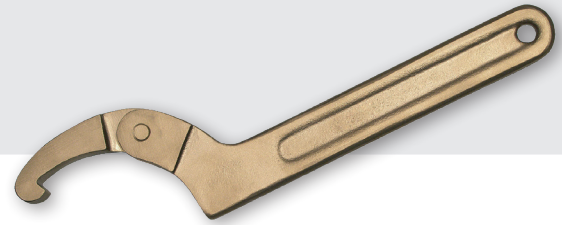
Hose coupling wrench

A-B-C – analog DIN 14822 –



Articel no	Ø mm	Length mm	Weight g
7030455S	14	440	800

Adjustable hook wrench



Articel no	Ø mm	Length mm	Weight g
0913275S	32 – 75	205	230
0915012S	50 – 120	285	450
0911117S	115 – 170	310	500

House coupling wrench

B-C



Articel no	Ø mm	Length mm	Weight g
7030285S	12	280	450

Hook wrench

– analog DIN 1810 –



Articel no	Ø mm	Length mm	Weight g
0901214S	12 – 14	110	30
0901620S	16 – 20	110	30
0902528S	25 – 28	135	50
0903032S	30 – 32	135	50
0903436S	34 – 36	170	100
0904042S	40 – 42	170	100
0904550S	45 – 50	205	190
0905255S	52 – 55	205	190
0905862S	58 – 62	240	215
0906875S	68 – 75	240	200
0908090S	80 – 90	280	410
0909510S	95 – 100	280	410
0909700S	110 – 115	335	730
0909800S	120 – 130	335	730
0909900S	135 – 145	390	1150
0909990S	155 – 165	390	1150
0909991S	180 – 195	465	1410
0909992S	205 – 220	465	1385

Valve wheel hook



Articel no	Size mm	Length mm	Weight g
7000500S	30 - 40	500	720

Valve wheel wrench

- analog DIN 87311 -



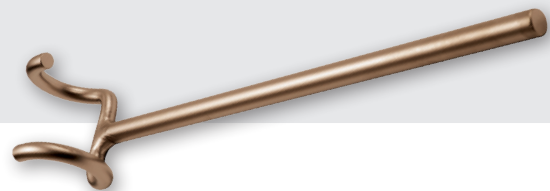
Articel no	Ø mm	Length mm	Weight g
7013660S	36 x 60	370	650
7014880S	48 x 80	430	1300
7014810S	62 x 102	550	2600

Valve Wheel Hook



Articel no	Ø x Distance mm	Length mm	Weight g
7021330S	13 x 30	300	350
7021335S	13 x 35	350	600
7021640S	16 x 40	400	680
7021645S	16 x 45	450	1100
7021950S	19 x 50	500	1200
7022260S	22 x 60	600	2000
7022570S	25 x 70	700	3000
7022880S	28 x 80	800	5300

B-valve wheel wrench



Articel no	Ø mm	Length mm	Weight g
9991010S	36 x 60	330	600
9991011S	48 x 80	470	1400
9991012S	62 x 102	600	2600

Face spanner



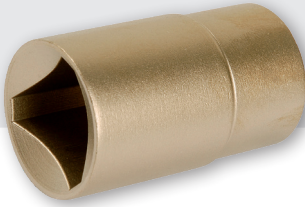
Articel no	Pin distance	Pin Ø	Length mm	Weight g
9991024S	35	5 mm	180	150

Wrench for valve of tanktruck



Articel no	Pin mm	Outer dimension	Cut out	Handle	Weight g
9991007S Typ A	20	160 x 90	64 x 32	500	1800
9991008S Typ B	20	150 x 90	64 x 32	500	1600
9991009S Typ C	20	190 x 90	95 x 47,5	500	2500

Triangle socket 1/2"



Articel no	Size	Length mm	Weight g
0359502S	M 6	40	70
0359503S	M 8	40	75
0359504S	M10	40	80
0359505S	M12	40	90
0359506S	M16	50	150
0359507S	M20	50	215
0359508S	M24	60	435

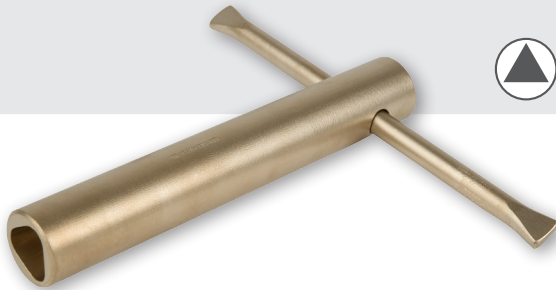
Square point socket L-type



Articel no	Size mm	Length mm	Weight g
0341110S	8	150	90
0341111S	9	160	100
0341112S	10	175	120
0341113S	12	215	220
0341114S	13	230	280
0341115S	14	240	280
0341116S	17	280	330

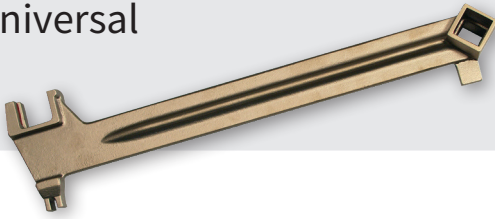
Triangle tube socket

- analog DIN 22417 -



Articel no	Size	Length mm	Weight g
0300004S	M 4	95	80
0300005S	M 5	110	100
0300006S	M 6	115	170
0300008S	M 8	125	280
0300010S	M10	140	390
0300012S	M12	160	700
0300016S	M16	180	980
0300020S	M20	200	2100
0300024S	M24	220	3100

Bung wrench universal



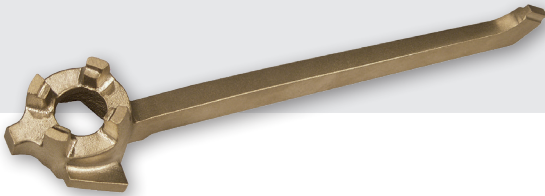
Articel no	Length mm	Weight g
0150380S	380	1250

Manhole-hook



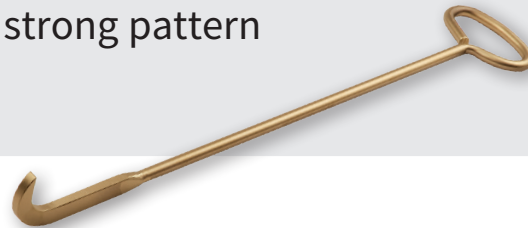
Articel no	Length mm	Weight g
7240003S	500	770

Bung wrench



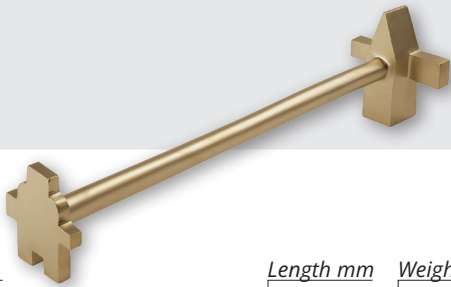
Articel no	Length mm	Weight g
0150381S	300	600

Manhole-hook strong pattern



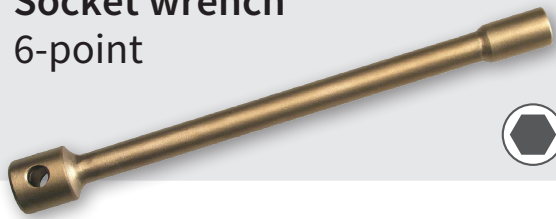
Articel no	Length mm	Weight g
7240002S	700	1200

Special bung wrench



Articel no	Length mm	Weight g
0150382S	400	1700

Socket wrench 6-point



Articel no	Size mm	Length mm	Weight g
0251055S	8	190	110
0251056S	9	200	135
0251057S	10	215	160
0251058S	11	230	210
0251059S	12	250	260
0251060S	13	265	350
0251061S	14	265	350
0251062S	15	280	400
0251063S	16	280	400
0251064S	17	300	450
0251065S	18	300	450
0251066S	19	325	650
0251067S	20	325	650
0251068S	21	350	830
0251069S	22	350	830
0251070S	23	380	1140
0251071S	24	380	1140
0251072S	25	415	1450
0251073S	26	415	1450
0251074S	27	415	1450
0251075S	28	450	1800
0251076S	29	450	1800
0251077S	30	450	1800
0251078S	32	485	2450
0251079S	33	485	2450
0251080S	34	485	2450
0251081S	35	530	3300
0251082S	36	530	3300
0251083S	37	530	3300
0251084S	38	530	3300
0251085S	41	580	4000
0251086S	42	580	4000
0251087S	46	635	4800
0251088S	47	635	4800
0251089S	50	320	4900
0251090S	52	320	4900
0251091S	54	340	6500
0251092S	55	340	6500
0251093S	56	340	6500
0251094S	58	360	8300
0251095S	60	360	8300
0251096S	63	360	8300
0251097S	65	380	10500
0251098S	67	380	10500
0251099S	70	380	10500
0251100S	71	380	10500

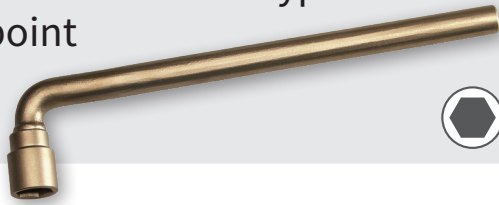
Articel no	Size mm	Length mm	Weight g
0251101S	75	400	14300
0251102S	77	400	14300
0251103S	80	400	14300
0251104S	82	400	14300
0251105S	85	425	19200
0251106S	88	425	19200
0251107S	90	425	19200
0251108S	94	455	26000
0251109S	95	455	26000
0251110S	100	455	26000

Bar for socket wrench 6-point



Articel no	Ø mm	up to Size mm	Length mm	Weight g
0251111S	6	10	150	40
0251112S	8	12	190	75
0251113S	10	16	190	90
0251114S	10	22	250	185
0251115S	12	27	315	310
0251116S	16	34	400	600
0251117S	16	38	500	920
0251118S	20	47	630	1600
0251119S	24	63	800	3100
0251120S	24	63	1000	3850
0251121S	30	82	1250	7500
0251122S	36	100	1600	15000

Socket wrench L-type 6-point



Socket wrench 6-point Double ended



Articel no	Size mm	Length mm	Weight g
0340008S	8	175	100
0340009S	9	185	120
0340010S	10	195	140
0340011S	11	205	180
0340012S	12	220	220
0340013S	13	240	280
0340014S	14	240	280
0340015S	15	250	300
0340016S	16	250	300
0340017S	17	270	320
0340018S	18	270	320
0340019S	19	290	530
0340020S	20	290	530
0340021S	21	310	680
0340022S	22	310	680
0340023S	23	335	830
0340024S	24	335	830
0340025S	25	365	1000
0340026S	26	365	1000
0340027S	27	365	1000
0340028S	28	395	1300
0340029S	29	395	1300
0340030S	30	395	1300
0340032S	32	425	1700
0340033S	33	425	1700
0340034S	34	425	1700
0340035S	35	465	2800
0340036S	36	465	2800
0340037S	37	465	2800
0340038S	38	465	2800
0340041S	41	510	3600
0340042S	42	510	3600
0340046S	46	555	4000
0340047S	47	555	4000
0340050S	50	605	4800
0340052S	52	605	4800
0340054S	54	660	6400
0340055S	55	660	6400
0340056S	56	660	6400
0340058S	58	730	8200
0340060S	60	730	8200
0340063S	63	730	8200
0340065S	65	800	10400
0340067S	67	800	10400
0340070S	70	800	10400
0340071S	71	800	10400
0340075S	75	880	14100
0340077S	77	880	14100
0340080S	80	880	14100
0340082S	82	880	14100

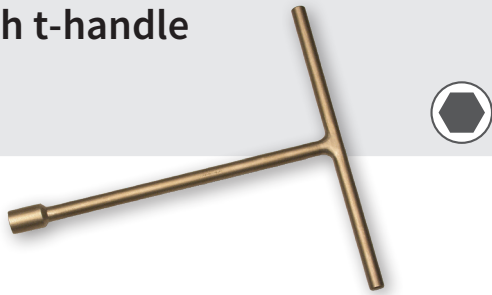
Articel no	Size mm	Length mm	Weight g
0340083S	7 x 8	95	50
0340084S	9 x 10	105	70
0340085S	10 x 11	120	85
0340081S	12 x 13	135	160
0340086S	12 x 14	135	160
0340087S	14 x 17	150	205
0340088S	17 x 19	160	280
0340089S	19 x 22	170	335
0340090S	20 x 22	170	355
0340091S	24 x 26	180	480
0340092S	24 x 27	190	530
0340093S	27 x 32	200	870
0340094S	30 x 32	210	890
0340095S	30 x 36	220	1080
0340096S	36 x 41	230	1700

Bar for double ended socket wrench 6-point



articel no	Ø mm	up to SW mm	length mm	Weight g
0340097S	5	7 x 8	110	15
0340098S	6	10 x 11	150	40
0340099S	10	14 x 17	220	120
0340100S	12	20 x 22	300	300
0340101S	15	24 x 27	390	480
0340102S	16	36 x 41	500	750

Socket wrench 6-point with t-handle



Articel no	Size mm	Length mm	Weight g
0340171S	71	410	14000
0340175S	75	430	19000
0340177S	77	430	19000
0340180S	80	430	19000
0340182S	82	430	19000

Articel no	Size mm	Length mm	Weight g
0340108S	8	196	140
0340109S	9	209	165
0340110S	10	223	190
0340111S	11	240	260
0340112S	12	256	310
0340113S	13	275	410
0340114S	14	275	410
0340115S	15	292	455
0340116S	16	292	455
0340117S	17	314	555
0340118S	18	314	555
0340119S	19	339	785
0340120S	20	339	785
0340121S	21	376	1050
0340122S	22	376	1050
0340123S	23	393	1240
0340124S	24	393	1240
0340125S	25	431	1700
0340126S	26	431	1700
0340127S	27	431	1700
0340128S	28	464	2100
0340129S	29	464	2100
0340130S	30	464	2100
0340132S	32	506	2750
0340133S	33	506	2750
0340134S	34	506	2750
0340135S	35	550	4000
0340136S	36	550	4000
0340137S	37	550	4000
0340138S	38	550	4000
0340141S	41	600	5400
0340142S	42	600	5400
0340146S	46	655	6000
0340147S	47	655	6000
0340150S	50	345	6300
0340152S	52	345	6300
0340154S	54	365	8000
0340155S	55	365	8000
0340156S	56	365	8000
0340158S	58	390	10500
0340160S	60	390	10500
0340163S	63	390	10500
0340165S	65	410	14000
0340167S	67	410	14000
0340170S	70	410	14000

Pin wrench 6-point



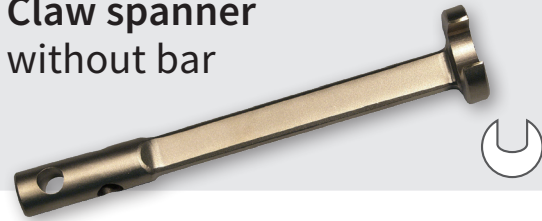
Articel no	Size mm	Length mm	Weight g
0341035C	3,5	175	55
0341040C	4	180	55
0341045C	4,5	180	60
0341050C	5	185	60
0341055C	5,5	190	65
0341060C	6	190	65
0341065C	6,5	190	80
0341070C	7	200	80
0341075C	7,5	200	100
0341080C	8	210	100
0341090C	9	210	115
0341010C	10	220	115
0341011C	11	220	130
0341012C	12	230	170
0341013C	13	230	210
0341014C	14	240	210
0341015S	15	240	235
0341016S	16	250	235
0341017S	17	250	240

Pin wrench 6-point Inch



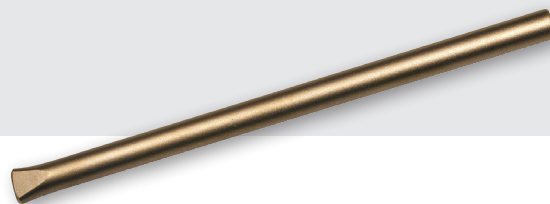
Articel no	SW Inch"	Length mm	Weight g
0341091C	1/8	175	55
0341092C	5/32	180	55
0341093C	3/16	185	60
0341094C	7/32	190	65
0341095C	1/4	190	80
0341096C	5/16	210	100
0341097C	3/8	220	115
0341098C	7/16	230	170
0341099C	1/2	230	210
0341100S	9/16	240	235
0341101S	5/8	250	235
0341102S	11/16	250	240

Claw spanner without bar



Articel no	Size mm	Length mm	Weight g
0137600S	13	160	100
0137601S	14	160	100
0137602S	15	200	170
0137603S	16	200	170
0137604S	17	200	190
0137605S	18	200	220
0137606S	19	200	250
0137607S	20	200	260
0137608S	21	200	300
0137609S	22	200	350
0137610S	23	250	400
0137611S	24	250	400
0137612S	25	250	450
0137613S	26	250	450
0137614S	27	250	500
0137615S	28	250	550
0137616S	29	250	600
0137617S	30	250	650
0137618S	32	250	700
0137619S	36	315	1150
0137620S	41	315	1230
0137621S	46	315	1500
0137622S	50	315	1600

Bar for claw spanner



Articel no	Size mm	Length mm	Weight g
0137623S	13 - 15	8 x 160	70
0137624S	16 - 18	10 x 200	130
0137625S	19 - 22	12 x 200	220
0137626S	23 - 27	14 x 250	400
0137627S	28 - 32	16 x 250	600
0137628S	36 - 41	18 x 315	1000
0137629S	46 - 50	20 x 315	1600

Crow foot spanner 1/2"



Articel no	Size mm	Weight g
0137630S	13	50
0137631S	14	50
0137632S	15	80
0137633S	16	80
0137634S	17	80
0137635S	18	110
0137636S	19	120
0137637S	20	130
0137638S	21	150
0137639S	22	170
0137640S	23	200
0137641S	24	200
0137642S	25	220
0137643S	26	220
0137644S	27	250
0137645S	28	270
0137646S	29	300
0137647S	30	320
0137648S	32	350
0137649S	36	570
0137650S	41	620
0137651S	46	750
0137652S	50	800

Special extension for crow foot spanner 1/2"



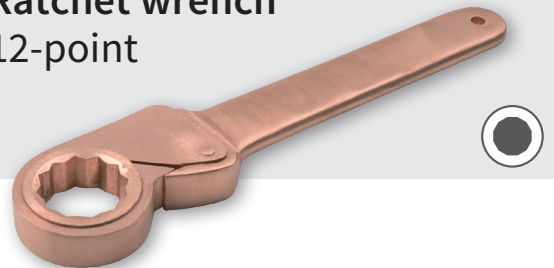
Articel no	Length mm	Weight g
0137653S	150	200
0137654S	250	400

Ratchet wrench 6-point



Articel no	Size mm	Length mm	Weight g
0137400S	17	230	620
0137401S	19	240	650
0137402S	21	250	830
0137403S	22	260	830
0137404S	24	270	1020
0137405S	26	280	1050
0137406S	27	285	1100
0137407S	30	300	1320
0137408S	32	315	1425
0137409S	35	325	1630
0137410S	36	330	1670
0137411S	41	330	1950

Ratchet wrench 12-point

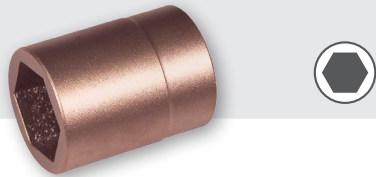


Articel no	Size mm	Length mm	Weight g
0137416C	9	150	125
0137402C	11	150	125
0137405C	13	155	160
0137409C	14	155	160
0137400C	17	200	260
0137401C	19	200	260
0137403C	22	220	340
0137404C	24	220	340
0137406C	27	245	560
0137407C	30	280	840
0137408C	32	280	840
0137410C	36	290	1180
0137411C	41	295	1230
0137412C	46	360	2060
0137413C	50	360	2230
0137414C	55	440	2900
0137415C	60	440	2900



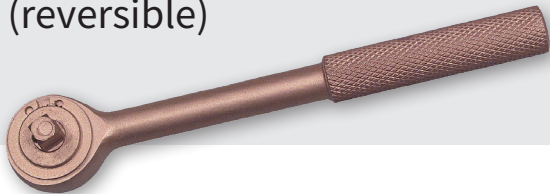
SOCKET SETS & ACCESSORIES

Sockets 6-point



Article no	Drive Inch"	Size mm	Length mm	Weight g
0350414C	1/4	4	25	13
0354514C	1/4	4,5	25	14
0350514C	1/4	5	25	14
0355514C	1/4	5,5	25	14
0350614C	1/4	6	25	14
0350714C	1/4	7	25	14
0350814C	1/4	8	25	17
0350914C	1/4	9	25	19
0351014C	1/4	10	25	20
0351114C	1/4	11	25	24
0351214C	1/4	12	26	28
0351314C	1/4	13	26	29
0351414C	1/4	14	26	30

Ratchet 1/4" (reversible)



Article no	Drive Inch"	Length mm	Weight g
0360014C	1/4	150	165

Ratchet with square coupler 1/4"



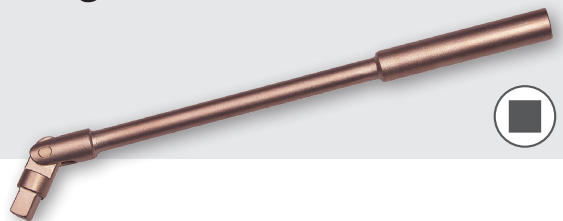
Article no	Drive Inch"	Length mm	Weight g
0360141C	1/4	150	320

Extension bar



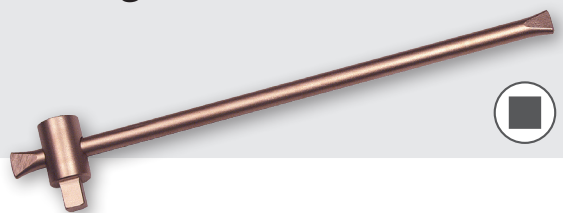
Article no	Drive Inch"	Length mm	Weight g
0421430C	1/4	55	20
0421410C	1/4	100	60
0421420C	1/4	200	100

Hinged handle



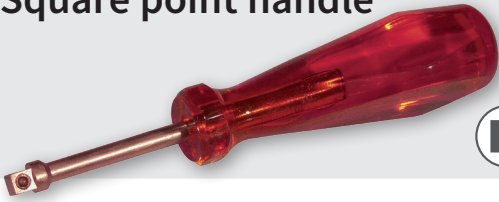
Article no	Drive Inch"	Length mm	Weight g
0410014C	1/4	165	160
0410015C	1/4	215	350

Sliding t-bar



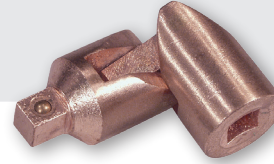
Article no	Drive Inch"	Length mm	Weight g
0400014C	1/4	200	160

Square point handle



Article no	Drive Inch/''	Length mm	Weight g
0400015C	1/4	140	65

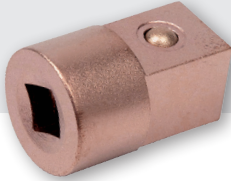
Universal joint



Article no	Drive Inch/''	Length mm	Weight g
0400018C	1/4	55	55

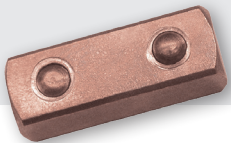
Convert coupler

1/4"



Article no	Drive Inch/''	Length mm	Weight g
0400013C	1/4 → 3/8	22	22
0400016C	1/4 → 1/2	30	40

Coupler



Article no	Drive Inch/''	Length mm	Weight g
0400017C	1/4	25	8

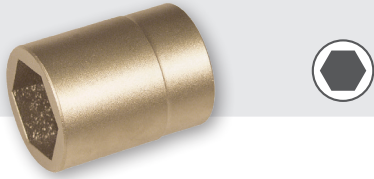
Socket set

1/4" - 16 pcs



Article no	Content	Weight g
0430001C	1 plastic case 197 x 120 x 45	875
16 pcs	1 reversible ratchet	
	1 extension bar 100	
	each 1 pc. socket 4 - 4,5 - 5 - 5,5	
	6 - 7 - 8 - 9 - 10	
	11 - 12 - 13 - 14	

Socket 6-point



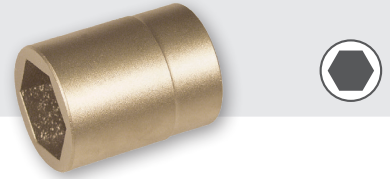
Article no	Drive Inch/''	Size mm	Length mm	Weight g
0353806S	3/8	6	32	16
0353807S	3/8	7	32	17
0353808S	3/8	8	32	17
0353809S	3/8	9	32	17
0353810S	3/8	10	32	17
0353811S	3/8	11	32	20
0353812S	3/8	12	32	20
0353813S	3/8	13	32	21
0353814S	3/8	14	32	21
0353815S	3/8	15	33	28
0353816S	3/8	16	33	31
0353817S	3/8	17	34	40
0353818S	3/8	18	34	44
0353819S	3/8	19	35	53
0353820S	3/8	20	37	56
0353821S	3/8	21	37	62
0353822S	3/8	22	37	67
0353823S	3/8	23	38	86
0353824S	3/8	24	38	92

Ratchet 3/8"



Article no	Drive Inch/''	Length mm	Weight g
0360038C	3/8	200	370

Socket 6-point Inch



Article no	Drive Inch/''	Size mm	Length mm	Weight g
0353840S	3/8	1/4	32	13
0353841S	3/8	9/32	32	16
0353842S	3/8	5/16	32	16
0353843S	3/8	11/32	32	19
0353844S	3/8	3/8	32	19
0353845S	3/8	7/16	32	20
0353846S	3/8	1/2	32	20
0353847S	3/8	9/16	32	27
0353848S	3/8	19/32	32	30
0353849S	3/8	5/8	32	37
0353850S	3/8	11/16	32	40
0353851S	3/8	3/4	32	47
0353852S	3/8	7/8	32	70

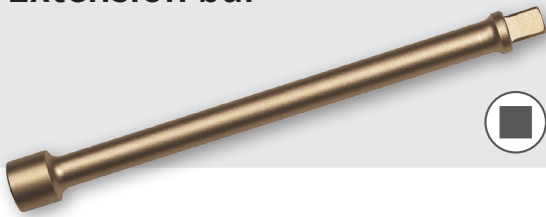
Ratchet with square coupler 3/8"



Article no	Drive Inch/''	Length mm	Weight g
0360138C	3/8	200	370

3/8"

Extension bar



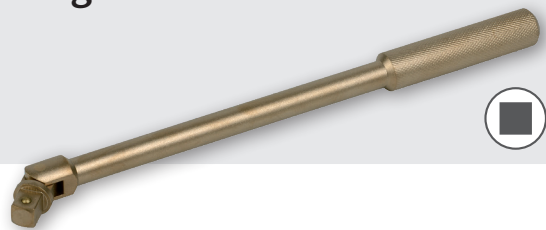
Article no	Drive Inch/''	Length mm	Weight g
0423805S	3/8	50	50
0423812S	3/8	125	105
0423825S	3/8	250	217

Square point handle



Article no	Drive Inch/''	Length mm	Weight g
0402138S	3/8	210	160

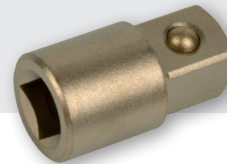
Hinged handle



Article no	Drive Inch/''	Length mm	Weight g
0410038S	3/8	250	254

Convert coupler

3/8 → 1/2"



Article no	Drive Inch/''	Length mm	Weight g
0400381S	3/8	35	34

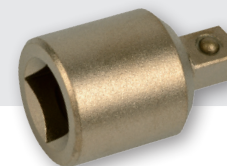
Sliding T-bar



Article no	Drive Inch/''	Length mm	Weight g
0438000S	3/8	160	132

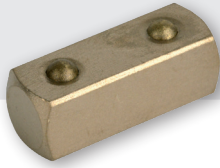
Reducer

3/8 → 1/4"



Article no	Drive Inch/''	Length mm	Weight g
0400038S	3/8	29	29

Coupler



Article no	Drive Inch/''	Length mm	Weight g
0403801S	$\frac{3}{8}$	30	16

Speed handle



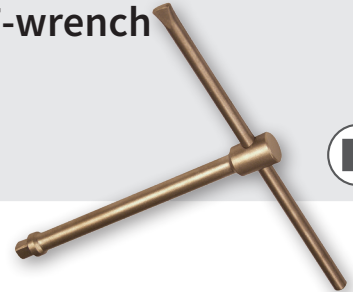
Article no	Drive Inch/''	Length mm	Weight g
0403840S	$\frac{3}{8}$	400	414

Universal joint



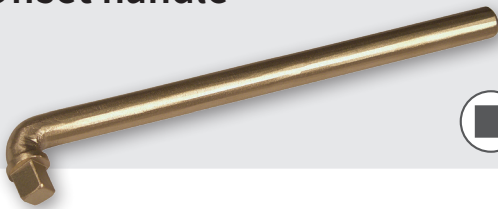
Article no	Drive Inch/''	Length mm	Weight g
0400380S	$\frac{3}{8}$	60	75

Sliding T-wrench



Article no	Drive Inch/''	Length mm	Weight g
0370038S	$\frac{3}{8}$	160	360

Offset handle



Article no	Drive Inch/''	Length mm	Weight g
0403800S	$\frac{3}{8}$	200	220

Socket sets

3/8"

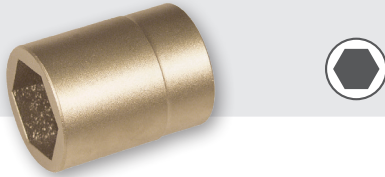


3/8"

Article no	Content		Weight g
0433800S 23-pcs	1 plastic case 1 ratchet 1 extension bar 1 extension bar 1 sliding t-bar 1 universal joint each 1 pc. socket	390 x 310 x 102 reversible ratchet 125 250 160 60 6 - 7 - 8 - 9 - 10 11 - 12 - 13 - 14 15 - 16 - 17 - 18 19 - 20 - 21 - 22	3200
	Individually expandable up to 35-pc.		
04338001S 13-pcs	1 plastic case 1 ratchet 1 extension bar each 1 pc. socket	390 x 310 x 102 reversible ratchet 125 6 - 7 - 8 - 9 - 10 - 11 13 - 14 - 17 - 19	2300
	Individually expandable up to 35-pc.		
0433802S 18-pcs	1 plastic case 1 ratchet 1 extension bar 1 extension bar 1 sliding t-bar 1 universal joint each 1 pc. socket Inch	390 x 310 x 102 reversible ratchet 125 250 160 60 1/4 - 9/32 - 5/16 11/32 - 3/8 - 7/16 1/2 - 9/16 - 19/32 5/8 - 11/16 - 3/4	2900
	Individually expandable up to 35-pc.		

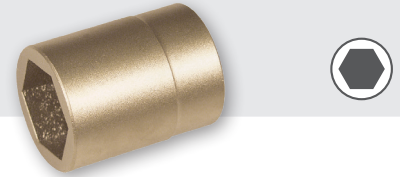
Article no	Content		Weight g
0433803S 13-pcs	1 plastic case 1 ratchet 1 extension bar each 1 pc. socket inch	390 x 310 x 102 reversible ratchet 125 1/4 - 5/16 - 11/32 - 3/8 7/16 - 1/2 - 9/16 5/8 - 11/16 - 3/4	2400
	Individually expandable up to 35-pc.		
0433804S 35-pcs	1 plastic case 1 ratchet 1 extension bar 1 extension bar 1 sliding t-bar 1 universal joint each 1 pc. socket inch	390 x 310 x 102 reversible ratchet 125 250 160 60 6 - 7 - 8 - 9 - 10 11 - 12 - 13 - 14 15 - 16 - 17 - 18 19 - 20 - 21 - 22 1/4 - 9/32 - 5/16 11/32 - 3/8 - 7/16 1/2 - 9/16 - 19/32 5/8 - 11/16 - 3/4	3700

Socket 6-point



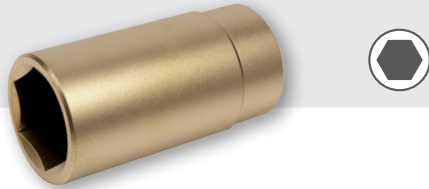
Article no	Drive Inch/''	Size mm	Length mm	Weight g
0350612S	1/2	6	40	50
0350712S	1/2	7	40	55
0350812S	1/2	8	40	50
0350912S	1/2	9	40	50
0351012S	1/2	10	40	50
0351112S	1/2	11	40	50
0351212S	1/2	12	40	50
0351312S	1/2	13	40	50
0351412S	1/2	14	40	55
0351512S	1/2	15	40	55
0351612S	1/2	16	40	60
0351712S	1/2	17	40	65
0351812S	1/2	18	40	75
0351912S	1/2	19	42	85
0352012S	1/2	20	42	95
0352112S	1/2	21	43	100
0352212S	1/2	22	43	110
0352312S	1/2	23	43	120
0352412S	1/2	24	43	125
0352512S	1/2	25	43	130
0352612S	1/2	26	43	145
0352712S	1/2	27	46	150
0352812S	1/2	28	46	175
0352912S	1/2	29	46	185
0353012S	1/2	30	46	195
0353212S	1/2	32	46	240
0353412S	1/2	34	50	300
0353612S	1/2	36	50	380
0354112S	1/2	41	50	450

Socket 6-point Inch



Article no	Drive Inch/''	SW Inch/''	Length mm	Weight g
0350100S	1/2	1/4	40	50
0350101S	1/2	5/16	40	50
0350102S	1/2	11/32	40	50
0350103S	1/2	3/8	40	50
0350104S	1/2	13/32	40	50
0350105S	1/2	7/16	40	50
0350106S	1/2	1/2	40	50
0350107S	1/2	9/16	40	55
0350108S	1/2	19/32	40	55
0350109S	1/2	5/8	40	60
0350110S	1/2	11/16	40	65
0350111S	1/2	3/4	42	85
0350112S	1/2	25/32	42	95
0350113S	1/2	13/16	43	95
0350114S	1/2	7/8	43	110
0350115S	1/2	15/16	43	120
0350116S	1/2	1	43	130
0350117S	1/2	1. 1/16	46	150
0350118S	1/2	1. 1/8	46	175
0350119S	1/2	1. 3/16	46	195
0350120S	1/2	1. 1/4	46	240

Socket 6-point long pattern



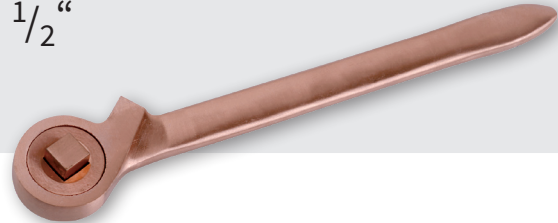
Article no	Drive Inch/''	Size mm	Length mm	Weight g
0350001S	1/2	10	77	110
0350002S	1/2	12	77	135
0350003S	1/2	13	77	105
0350004S	1/2	14	77	110
0350005S	1/2	15	77	120
0350006S	1/2	16	77	125
0350007S	1/2	17	77	140
0350008S	1/2	18	82	145
0350009S	1/2	19	82	180
0350010S	1/2	21	82	205
0350011S	1/2	22	82	210
0350012S	1/2	24	82	250
0350013S	1/2	27	82	285
0350014S	1/2	30	82	345
0350015S	1/2	32	82	375
0350016S	1/2	34	82	415
0350025S	1/2	36	82	425

Reversible ratchet 1/2"



Article no	Drive Inch/''	Length mm	Weight g
0360012C	1/2	250	590

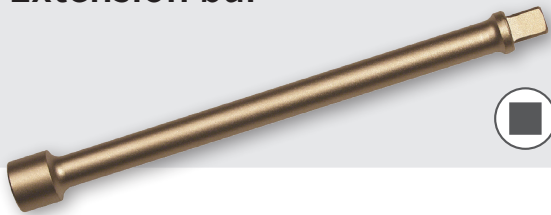
Ratchet with square coupler 1/2"



Article no	Drive Inch/''	Length mm	Weight g
0360121C	1/2	250	430

1/2"

Extension bar



Article no	Drive Inch/''	Length mm	Weight g
0420002S	1/2	100	180
0421434S	1/2	200	315
0420121S	1/2	250	360

Convert coupler

1/2 → 3/4"



Article no	Drive Inch/''	Length mm	Weight g
0400116S	1/2	50	120

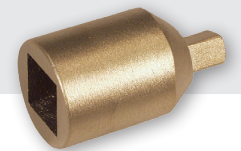
Hinged handle



Article no	Drive Inch/''	Length mm	Weight g
0410012S	1/2	215	350
0410013S	1/2	250	460
0410016S	1/2	300	520
0410101S	1/2	380	590

Reducer

1/2"



Article no	Drive Inch/''	Length mm	Weight g
0400119S	1/2 → 1/4	30	60
0400112S	1/2 → 3/8	34	70

Sliding T-bar



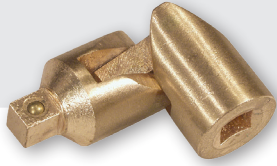
Article no	Drive Inch/''	Length mm	Weight g
0400114S	1/2	250	450
0400012S	1/2	320	550

Coupler



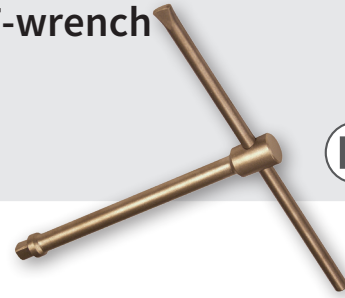
Article no	Drive Inch/''	Length mm	Weight g
0400117S	1/2	36,5	46

Universal joint



Article no	Drive Inch/''	Length mm	Weight g
0400118S	1/2	80	135

Sliding T-wrench



Article no	Drive Inch/''	Length mm	Weight g
0370012S	1/2	245	500

Offset handle



Article no	Drive Inch/''	Length mm	Weight g
0400120S	1/2	220	260
0400121S	1/2	260	400

Hinged handle with T-handle



Article no	Drive Inch/''	Length mm	Weight g
0400123S	1/2	460	755

Speed handle



Article no	Drive Inch/''	Length mm	Weight g
0400122S	1/2	410	615

Torque wrench



Article no	Drive	Nm	Weight g
9991082C	1/2"	30-150	1500

Socket sets 1/2"

1/2"

Article no	Content	Mass	Weight g
0430005S	1 plastic case	500 x 420 x 125	2000
12-pcs	1 ratchet	reversible ratchet	
	1 extension bar	100	
	each 1 pc. socket	10 - 11 - 13 - 14 - 15	
		17 - 19 - 22 - 24	

Individually expandable up to 27-pc.

0430004S	1 plastic case	500 x 420 x 125	4100
24-pcs	1 ratchet	reversible ratchet	
	each 1 pc. socket	10 - 11 - 12 - 13 - 14 - 15	
		16 - 17 - 18 - 19 - 20 - 21	
		22 - 23 - 24 - 25 - 26 - 27	
		28 - 29 - 30 - 32	

Individually expandable up to 27-pc.

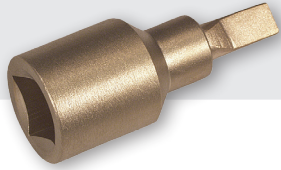
0430010S	1 plastic case	500 x 420 x 125	4100
25-pcs	1 ratchet	reversible ratchet	
	1 extension bar	250	
	each 1 pc. socket	10 - 11 - 12 - 13 - 14 - 15	
		16 - 17 - 18 - 19 - 20 - 21	
		22 - 23 - 24 - 25 - 26 - 27	
		28 - 29 - 30 - 32	

Individually expandable up to 27-pc.

0430002S	1 plastic case	500 x 420 x 125	5300
27-pcs	1 ratchet	reversible ratchet	
	1 extension bar	250	
	1 sliding t-bar	320	
	1 hinged handle	380	
	each 1 pc. socket	10 - 11 - 12 - 13 - 14 - 15	
		16 - 17 - 18 - 19 - 20 - 21	
		22 - 23 - 24 - 25 - 26 - 27	
		28 - 29 - 30 - 32	

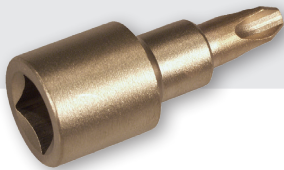


Screwdriver socket



Article no	Drive Inch/''	mm	Length mm	Weight g
0440000S	1/2	4	60	140
0440001S	1/2	6	60	140
0440002S	1/2	8	60	140
0440003S	1/2	10	60	140

Cross slot screwdriver socket



Article no	Drive Inch/''	PH	Length mm	Weight g
0440004S	1/2	1	60	140
0440005S	1/2	2	60	140
0440006S	1/2	3	60	140
0440007S	1/2	4	60	140

Screwdriver socket

- with welded-in hexagonal pin -



Article no	Drive Inch/''	Size mm	Length mm	Weight g
0440008S	1/2	4	60	65
0440009S	1/2	5	60	70
0440010S	1/2	6	60	70
0440011S	1/2	7	60	75
0440012S	1/2	8	60	80
0440013S	1/2	9	60	85
0440014S	1/2	10	60	95
0440015S	1/2	12	60	115
0440016S	1/2	14	60	145
0440017S	1/2	17	60	205
0440018S	1/2	19	60	230

Screwdriver socket

long pattern - with welded-in hexagonal pin -



Article no	Drive Inch/''	Size mm	Length mm	Weight g
0440028S	1/2	5	90	90
0440029S	1/2	5	180	125
0440030S	1/2	6	90	80
0440031S	1/2	6	140	120
0440032S	1/2	6	160	135
0440033S	1/2	7	90	90
0440034S	1/2	8	90	90
0440035S	1/2	8	120	105
0440036S	1/2	10	140	150
0440037S	1/2	12	140	190
0440038S	1/2	14	140	250

Screwdriver socket set 1/2"

– with welded-in hexagonal pin –

1/2"



Article no	Content	Mass	Weight g
0440039S	1 plastic case	390 x 310 x 102	1240
10-pcs	each 1 pc. socket	5 - 6 - 7 - 8 - 9 10 - 12 - 14 - 17	
	Individually expandable up to 18-pc.		
0440040S	1 plastic case	390 x 310 x 102	2990
12-pcs	1 ratchet	reversible ratchet	
	1 extension bar	250	
	each 1 pc. socket	5 - 6 - 7 - 8 - 9 10 - 12 - 14 - 17	
	Individually expandable up to 18-pc.		
0440041S	1 plastic case	390 x 310 x 102	2790
16-pcs	each 1 pc. socket	5 - 6 - 7 - 8 - 9 10 - 12 - 14 - 17	
	each 1 pc. socket	long version 5 x 90, 6 x 90, 8 x 90, 10 x 140 12 x 140, 14 x 140	
	Individually expandable up to 18-pc.		
0440058S	1 plastic case	390 x 310 x 102	3850
18-pcs	1 ratchet	reversible ratchet	
	1 extension bar	250	
		5 - 6 - 7 - 8 - 9 10 - 12 - 14 - 17	
	each 1 pc. socket	long version 5 x 90, 6 x 90, 8 x 90, 10 x 140 12 x 140, 14 x 140	

Socket 6-point for impact wrenches

with groove and through-hole,
heavy-duty version



Article no	Drive Inch/''	Size mm	Length mm	Weight g
0351028S	1/2	10	35	80
0351029S	1/2	11	35	80
0351030S	1/2	12	40	85
0351031S	1/2	13	40	85
0351032S	1/2	14	40	85
0351033S	1/2	15	40	90
0351034S	1/2	16	40	90
0351035S	1/2	17	40	120
0351036S	1/2	18	40	125
0351037S	1/2	19	40	125
0351038S	1/2	21	40	125
0351039S	1/2	22	40	120
0351040S	1/2	23	40	140
0351024S	1/2	24	48	160
0351027S	1/2	27	48	190
0351015S	1/2	30	48	210
0351016S	1/2	32	48	220

Socket 6-point for impact wrenches long version

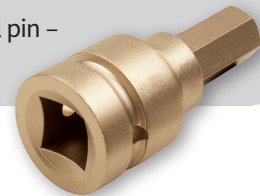
with groove and through-hole,
heavy-duty version



Article no	Drive Inch/''	Size mm	Length mm	Weight g
0351041S	1/2	8	85	120
0351042S	1/2	10	85	140
0351043S	1/2	13	85	175
0351044S	1/2	14	85	185
0351045S	1/2	16	85	245
0351046S	1/2	17	85	250
0351047S	1/2	18	85	265
0351048S	1/2	19	85	270
0351049S	1/2	21	85	305
0351051S	1/2	22	85	330
0351052S	1/2	23	85	350
0351053S	1/2	24	85	370
0351054S	1/2	27	85	435
0351017S	1/2	30	85	460
0351018S	1/2	32	85	490

Screwdriver socket for impact wrenches

- with welded-in hexagonal pin -



Article no	Drive Inch/''	Size mm	Length mm	Weight g
0351055S	1/2	5	50	63
0351056S	1/2	6	50	65
0351057S	1/2	8	50	75
0351058S	1/2	10	50	90
0351059S	1/2	12	50	125
0351060S	1/2	14	50	130
0351061S	1/2	17	50	150
0351019S	1/2	22	50	170
0351020S	1/2	24	60	210
0351021S	1/2	27	60	240
0351022S	1/2	30	60	260
0351023S	1/2	32	60	270

1/2"

Extension bar for impact wrenches



Article no	Drive Inch/''	Length mm	Weight g
0351110S	1/2	100	250
0351062S	1/2	200	380
0351063S	1/2	250	470

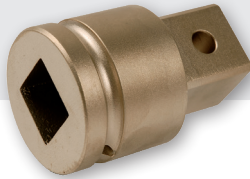
Universal joint for impact wrenches



Article no	Drive Inch/''	Length mm	Weight g
0351066S	1/2	72	175

Convert coupler for impact wrenches

1/2 → 3/4"



Article no	Drive Inch/''	Length mm	Weight g
0351064S	1/2	45	145

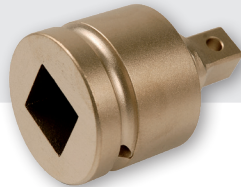
Impact locking ring for impact wrenches



Article no	Drive Inch/''	Size mm	Ø mm	Weight g
0351067S	1/2	10 - 14	19	2
0351068S	1/2	15 - 27	24	4
0351113S	1/2	30 - 32	36	6

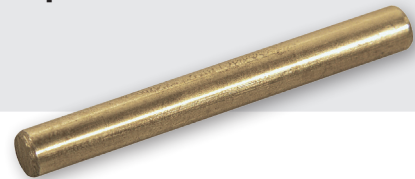
Reducer for impact wrenches

1/2"



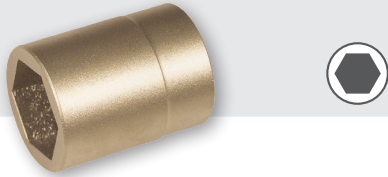
Article no	Drive Inch/''	Length mm	Weight g
0351065S	1/2 → 1/4	38	35
0350138S	1/2 → 3/8	38	30

Impact locking pin for impact wrenches

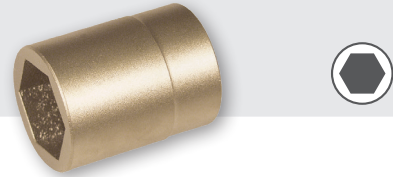


Article no	Drive Inch/''	Size mm	Ø mm	Weight g
0351069S	1/2	10 - 17	3 x 20	3
0351070S	1/2	18 - 27	3 x 25	5
0350971S	1/2	30 - 32	4 x 30	7

Socket 6-point



Socket 6-point Inch



3/4"

Article no	Drive Inch/''	Size mm	Length mm	Weight g
0351834S	3/4	18	50	180
0351934S	3/4	19	50	180
0352134S	3/4	21	55	180
0352234S	3/4	22	55	180
0352434S	3/4	24	55	350
0352534S	3/4	25	55	350
0352634S	3/4	26	55	330
0352734S	3/4	27	55	300
0352834S	3/4	28	55	300
0352934S	3/4	29	55	300
0353034S	3/4	30	60	310
0353234S	3/4	32	60	375
0353334S	3/4	33	60	450
0353434S	3/4	34	60	465
0353534S	3/4	35	60	400
0353634S	3/4	36	60	430
0353834S	3/4	38	60	490
0354134S	3/4	41	65	560
0354234S	3/4	42	65	600
0354634S	3/4	46	65	655
0355034S	3/4	50	70	785
0355534S	3/4	55	70	900
0355834S	3/4	58	60	950
0356034S	3/4	60	70	1290

Article no	Drive Inch/''	SW Inch/''	Length mm	Weight g
0356035S	3/4	7/8	55	180
0356036S	3/4	15/16	55	350
0356037S	3/4	1	55	350
0356038S	3/4	1. 1/16	55	300
0356039S	3/4	1. 1/8	55	300
0356040S	3/4	1. 1/4	60	375
0356041S	3/4	1. 5/16	60	400
0356042S	3/4	1. 3/8	60	400
0356043S	3/4	1. 7/16	60	430
0356044S	3/4	1. 1/2	60	490
0356045S	3/4	1. 9/16	65	560
0356046S	3/4	1. 5/8	65	560
0356047S	3/4	1. 11/16	65	600
0356048S	3/4	1. 3/4	65	655
0356049S	3/4	1. 13/16	65	655
0356050S	3/4	1. 7/8	70	700
0356051S	3/4	2	70	785

Reversible ratchet 3/4"



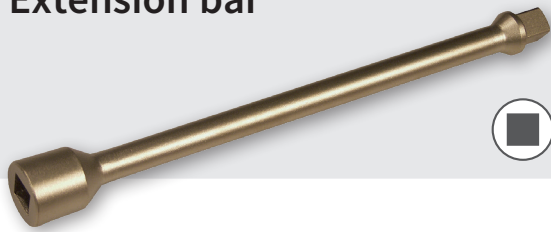
Ratchet with square coupler 3/4"



Article no	Drive Inch/''	Length mm	Weight g
0360034C	3/4	300	1900

Article no	Drive Inch/''	Length mm	Weight g
0360134C	3/4	300	1800

Extension bar



Article no	Drive Inch/''	Length mm	Weight g
0400124S	3/4	100	350
0420003S	3/4	250	700
0420134S	3/4	380	1670
0400126S	3/4	430	1500

Hinged handle



Article no	Drive Inch/''	Length mm	Weight g
0410034S	3/4	380	755
0400128S	3/4	460	1300
0400129S	3/4	550	1950

Sliding T-bar



Article no	Drive Inch/''	Length mm	Weight g
0400130S	3/4	260	600
0400034S	3/4	500	1480

Convert coupler

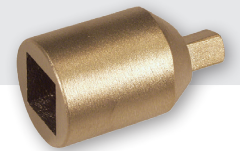
3/4 → 1"



Article no	Drive Inch/''	Length mm	Weight g
0400131S	3/4	61	325

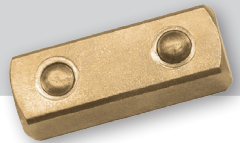
Reducer

3/4 → 1/2"



Article no	Drive Inch/''	Length mm	Weight g
0400135S	3/4	57	165

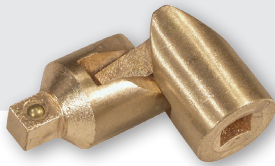
Coupler



Article no	Drive Inch/''	Length mm	Weight g
0400132S	3/4	51,5	135

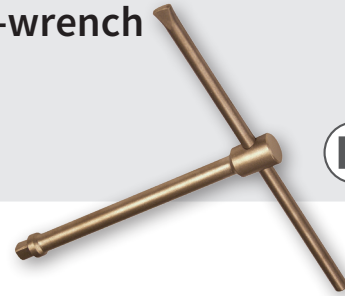
3/4"

Universal joint



Article no	Drive Inch/''	Length mm	Weight g
0400133S	3/4	85	550
0400134S	3/4	106	570

Sliding t-wrench



Article no	Drive Inch/''	Length mm	Weight g
0370034S	3/4	260	850

Offset handle



Article no	Drive Inch/''	Length mm	Weight g
0400136S	3/4	300	800

Hinged handle with t-handle



Article no	Drive Inch/''	Length mm	Weight g
0400138S	3/4	560	1200

Speed handle



Article no	Drive Inch/''	Length mm	Weight g
0400137S	3/4	380	1250

3/4"

Socket Set

3/4"

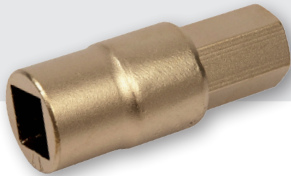
3/4"



Article no	Content	Mass	Weight g
0430003S	1 plastic case	500 x 420 x 125	12700
12-pcs	1 ratchet	reversible ratchet	
	1 extension bar	380	
	1 sliding t-bar	500	
	1 hinged handle	380	
	each 1 pc. socket	36 – 38 – 41 – 46 50 – 55 – 60	

Screwdriver socket

– with welded-in hexagonal pin –



Article no	Drive Inch/''	Size mm	Length mm	Weight g
0440043S	3/4	14	80	350
0440045S	3/4	17	80	390
0440046S	3/4	19	80	435
0440047S	3/4	22	80	480
0440104S	3/4	24	80	520
0440105S	3/4	27	80	550
0440107S	3/4	30	80	570
0440108S	3/4	32	80	590
0440109S	3/4	36	80	620
0440110S	3/4	41	90	720
0440111S	3/4	46	90	820

Socket 6-point for impact wrenches

with groove and through-hole,
heavy-duty version



Article no	Drive Inch/''	Size mm	Length mm	Weight g
0351071S	3/4	17	45	295
0351072S	3/4	18	45	305
0351073S	3/4	19	45	305
0351074S	3/4	22	48	350
0351075S	3/4	24	55	340
0351076S	3/4	27	55	380
0351077S	3/4	30	55	400
0351078S	3/4	32	55	480
0351079S	3/4	33	55	425
0351080S	3/4	34	55	475
0351081S	3/4	36	60	600
0351082S	3/4	38	60	485
0351083S	3/4	41	65	800
0351109S	3/4	46	65	950
0351204S	3/4	50	72	1300
0351205S	3/4	55	76	1470
0351206S	3/4	60	82	1720

Socket 6-point for impact wrenches long version

with groove and through-hole,
heavy-duty version



Article no	Drive Inch/''	Size mm	Length mm	Weight g
0351084S	3/4	17	90	745
0351085S	3/4	19	90	730
0351086S	3/4	21	90	750
0351087S	3/4	22	90	750
0351088S	3/4	24	90	735
0351089S	3/4	27	90	665
0351090S	3/4	30	90	625
0351091S	3/4	32	90	795
0351092S	3/4	33	90	715
0351093S	3/4	34	90	860
0351094S	3/4	36	90	745
0351095S	3/4	41	90	925
0351114S	3/4	46	90	1150
0350122S	3/4	50	90	1610
0350123S	3/4	55	90	1800
0350124S	3/4	60	90	2150

Screwdriver socket for impact wrenches

– with welded-in hexagonal pin –



Article no	Drive Inch/''	Size mm	Length mm	Weight g
0351096S	3/4	14	50	295
0351097S	3/4	17	50	335
0351098S	3/4	19	50	345
0351099S	3/4	22	50	395

Extension bar for impact wrenches

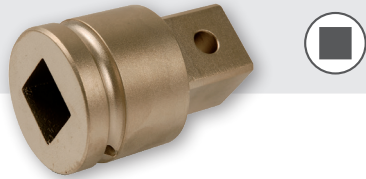


Article no	Drive Inch/''	Length mm	Weight g
0351101S	3/4	100	400
0351102S	3/4	250	1300
0351103S	3/4	380	1500
0351111S	3/4	430	2100

3/4"

Convert coupler for impact wrenches

3/4" → 1"



Article no	Drive Inch/''	Length mm	Weight g
0351104S	3/4	65	455

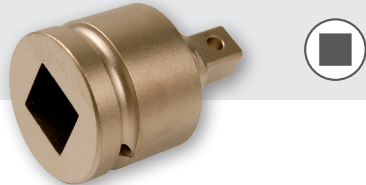
Impact locking ring for impact wrenches



Article no	Drive Inch/''	Size mm	Ø mm	Weight g
0351107S	3/4	17 - 32	36	6
0350957S	3/4	33 - 60	45	8

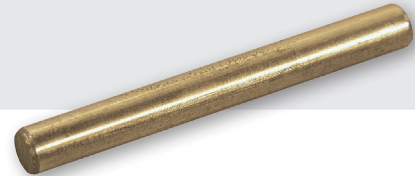
Reducer for impact wrenches

3/4" → 1/2"



Article no	Drive Inch/''	Length mm	Weight g
0351105S	3/4	65	355

Impact locking pin for impact wrenches



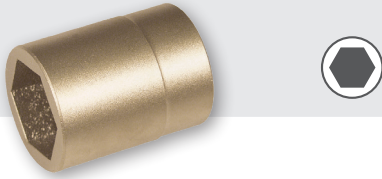
Article no	Drive Inch/''	Size mm	Ø mm	Weight g
0351108S	3/4	17 - 24	4 x 35	9
0350972S	3/4	27 - 60	4 x 40	10

Universal joint for impact wrenches

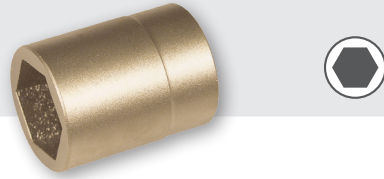


Article no	Drive Inch/''	Length mm	Weight g
0351106S	3/4	110	620

Socket 6-point



Socket 6-point Inch



Article no	Drive Inch/''	Size mm	Length mm	Weight g
0353201S	1	32	60	510
0353601S	1	36	65	550
0354101S	1	41	70	710
0354201S	1	42	70	710
0354601S	1	46	70	710
0355001S	1	50	75	930
0355501S	1	55	80	1130
0356001S	1	60	85	1350
0356501S	1	65	90	1500
0357001S	1	70	90	1750
0357501S	1	75	95	2300
0358001S	1	80	95	2500
0358501S	1	85	95	2800
0359001S	1	90	95	4400
0359501S	1	95	95	4500
0354001S	1	100	95	4600

Article no	Drive Inch/''	SW Inch/''	Length mm	Weight g
0354002S	1	1. ⁷ / ₁₆	65	550
0354003S	1	1. ¹ / ₂	65	680
0354004S	1	1. ⁵ / ₈	70	710
0354005S	1	1. ¹¹ / ₁₆	70	710
0354006S	1	1. ¹³ / ₁₆	70	710
0354007S	1	1. ⁷ / ₈	75	730
0354008S	1	2	80	930
0354009S	1	2. ¹ / ₁₆	80	950
0354010S	1	2. ³ / ₁₆	80	1130
0354011S	1	2. ¹ / ₄	85	1130
0354012S	1	2. ³ / ₈	85	1350
0354013S	1	2. ⁷ / ₁₆	85	1400
0354014S	1	2. ⁹ / ₁₆	90	1500
0354015S	1	2. ⁵ / ₈	90	1550
0354016S	1	2. ³ / ₄	90	1750
0354017S	1	2. ¹³ / ₁₆	90	1750
0354018S	1	2. ¹⁵ / ₁₆	95	2300
0354025S	1	3	95	2350
0354019S	1	3. ¹ / ₈	95	2500
0354020S	1	3. ³ / ₈	95	2800
0354021S	1	3. ¹ / ₂	95	4400
0354022S	1	3. ³ / ₄	95	4500
0354023S	1	3. ⁷ / ₈	95	4600
0354024S	1	4. ¹ / ₄	95	5000

Reversible ratchet 1"



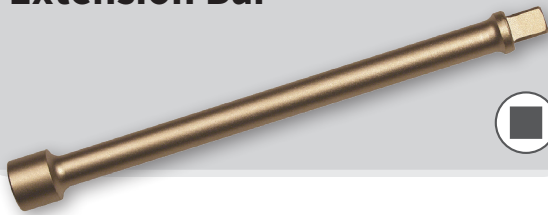
Ratchet with square coupler 1"



Article no	Drive Inch/''	Length mm	Weight g
0360100C	1	550	3400

Article no	Drive Inch/''	Length mm	Weight g
0361100C	1	550	3500

Extension Bar



Article no	Drive Inch/''	Length mm	Weight g
0421510S	1	100	800
0421520S	1	250	1400
0421522S	1	400	2090

Hinged handle



Article no	Drive Inch/''	Length mm	Weight g
0410100S	1	380	1200

Sliding t-bar



Article no	Drive Inch/''	Length mm	Weight g
0400139S	1	700	3985

Reducer

1 → 3/4"



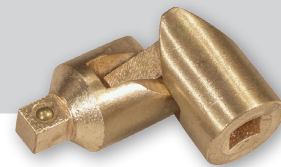
Article no	Drive Inch/''	Length mm	Weight g
0400142S	1	70	540

Coupler



Article no	Drive Inch/''	Length mm	Weight g
0400140S	1	68	325

Universal joint



Article no	Drive Inch/''	Length mm	Weight g
0400141S	1	132	1450

1"

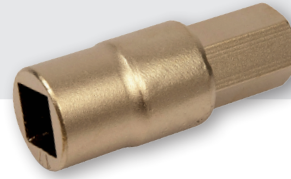
Offset handle



Article no	Drive Inch/''	Length mm	Weight g
0400143S	1	300	1000

Screwdriver socket

– with welded-in hexagonal pin –



Article no	Drive Inch/''	Size mm	Length mm	Weight g
0440048S	1	17	90	580
0440049S	1	19	90	665
0440050S	1	22	90	710
0440051S	1	24	90	765
0440052S	1	27	90	860
0440100S	1	30	90	910
0440101S	1	32	90	950
0440102S	1	36	90	990
0440103S	1	41	100	1200
0440112S	1	46	100	1400

Speed handle



Article no	Drive Inch/''	Length mm	Weight g
0400144S	1	380	1400

Hinged handle with t-handle



Article no	Drive Inch/''	Length mm	Weight g
0400145S	1	660	1700

Socket sets

1"

1"

Article no.	Content	Mass	Weight g
0430006S	1 plastic case	665 x 562 x 250	33100
24-pcs	1 ratchet	reversible ratchet	
	1 extension bar	250	
	1 extension bar	400	
	each 1 pc. socket	36 - 41 - 46 - 50 - 55 - 60 65 - 70 - 75 - 80	
	each 1 pc. socket	1. 1/2 - 1. 5/8 - 1. 7/8 - 2 (inch) 2. 1/16 - 2. 1/4 - 2. 3/8 2. 9/16 - 2. 3/4 - 3	
0430007S	1 plastic case	665 x 562 x 250	21100
14-pcs	1 ratchet	reversible ratchet	
	1 extension bar	250	
	1 extension bar	400	
	each 1 pc. socket	36 - 41 - 46 - 50 - 55 60 - 65 - 70 - 75 - 80	



Socket 6-point for impact wrenches

with groove and through-hole,
heavy-duty version



Article no	Drive Inch/''	Size mm	Length mm	Weight g
0351115S	1	22	55	615
0352400S	1	24	60	515
0352700S	1	27	60	700
0353000S	1	30	60	705
0353200S	1	32	60	700
0351120S	1	33	60	715
0351121S	1	34	60	750
0353600S	1	36	70	870
0351123S	1	38	70	800
0354100S	1	41	70	805
0354200S	1	42	70	865
0354600S	1	46	80	1420
0355000S	1	50	80	1250
0355500S	1	55	90	1930
0356000S	1	60	90	2100
0356500S	1	65	90	2300
0357000S	1	70	95	2400
0357500S	1	75	95	3200
0358000S	1	80	96	3750

Socket 6-point for impact wrenches long version

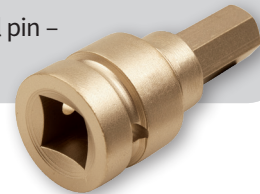
with groove and through-hole,
heavy-duty version



Article no	Drive Inch/''	Size mm	Length mm	Weight g
0351134S	1	22	100	1140
0351135S	1	24	100	1250
0351136S	1	27	100	1230
0351137S	1	30	100	1185
0351138S	1	32	100	1150
0351139S	1	33	100	1185
0351140S	1	34	100	1140
0351141S	1	36	100	1160
0351142S	1	38	100	1260
0351143S	1	41	100	1300
0351144S	1	46	100	1495

Screwdriver socket for impact wrenches

- with welded-in hexagonal pin -



Article no	Drive Inch/''	Size mm	Length mm	Weight g
0351145S	1	22	80	605
0351146S	1	24	80	650
0351147S	1	27	80	655
0351148S	1	30	80	675
0351149S	1	32	80	660
0351025S	1	36	100	1050
0351026S	1	41	100	1100
0351128S	1	46	100	1250

Extension bar for impact wrenches



Article no	Drive Inch/''	Length mm	Weight g
0351151S	1	100	850
0351152S	1	250	1550
0351153S	1	400	2050

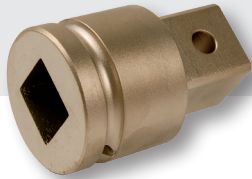
Universal joint for impact wrenches



Article no	Drive Inch/''	Length mm	Weight g
0351156S	1	141	1430

Convert coupler for impact wrenches

1 → 1.1/2"



Article no	Drive Inch/''	Length mm	Weight g
0351154S	1	115	1105

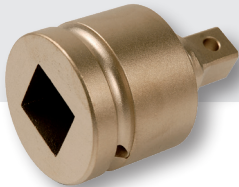
Impact locking ring for impact wrenches



Article no	Drive Inch/''	Size mm	Ø mm	Weight g
0351157S	1	22 - 42	45	8
0351158S	1	46 - 80	60	10

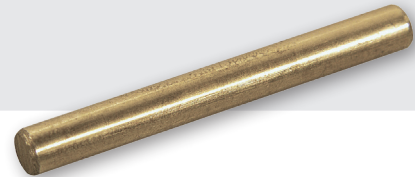
Reducer for impact wrenches

1 → 3/4"



Article no	Drive Inch/''	Length mm	Weight g
0351155S	1	75	660

Impact locking pin for impact wrenches



Article no	Drive Inch/''	Size mm	Ø mm	Weight g
0351159S	1	22 - 36	6 x 45	12
0351160S	1	38 - 80	6 x 55	14

Socket 6-point for impact wrenches

with groove and through-hole,
heavy-duty version



Article no	Drive Inch/''	Size mm	Length mm	Weight g
0350121S	1. 1/2	41	80	2180
0351116S	1. 1/2	46	80	2245
0351117S	1. 1/2	50	82	2350
0351118S	1. 1/2	55	90	2475
0351119S	1. 1/2	60	90	2755
0351122S	1. 1/2	65	95	3225
0351124S	1. 1/2	70	95	3595
0351126S	1. 1/2	75	100	3720
0351127S	1. 1/2	80	100	4345
0358500S	1. 1/2	85	110	5075
0359000S	1. 1/2	90	110	5630
0359500S	1. 1/2	95	125	7765
0351000S	1. 1/2	100	125	8380
0351050S	1. 1/2	105	125	9550
0351100S	1. 1/2	110	135	10615
0351150S	1. 1/2	115	135	10800
0351200S	1. 1/2	120	145	11785
0351250S	1. 1/2	125	145	11900

Socket 6-point for impact wrenches long version

with groove and through-hole,
heavy-duty version

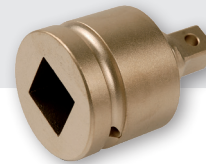


Article no	Drive Inch/''	Size mm	Length mm	Weight g
0351161S	1. 1/2	41	140	4420
0351162S	1. 1/2	46	140	4420
0351163S	1. 1/2	50	140	4255
0351164S	1. 1/2	55	140	4330
0351165S	1. 1/2	60	140	4710
0351166S	1. 1/2	65	140	5005
0351167S	1. 1/2	70	140	5250
0351168S	1. 1/2	75	140	5465
0351169S	1. 1/2	80	140	5615
0351170S	1. 1/2	85	140	6175
0351171S	1. 1/2	90	140	6825

Article no	Drive Inch/''	Size mm	Length mm	Weight g
0351172S	1. 1/2	95	150	10260
0351173S	1. 1/2	100	150	10395
0351174S	1. 1/2	105	150	11430
0351175S	1. 1/2	110	160	12855
0351176S	1. 1/2	115	160	12680
0351177S	1. 1/2	120	170	14380

Reducer for impact wrenches

1. 1/2 → 1"



Article no	Drive Inch/''	Length mm	Weight g
0351178S	1. 1/2	95	2300

Impact locking ring for impact wrenches



Article no	Drive Inch/''	Size mm	Ø mm	Weight g
0351179S	1. 1/2	41 - 80	60	10
0351180S	1. 1/2	85 - 105	90	17

Impact locking pin for impact wrenches



Article no	Drive Inch/''	Size mm	Ø mm	Weight g
0351181S	1. 1/2	41 - 80	6 x 75	17
0351182S	1. 1/2	85 - 125	6 x 80	19

Socket 6-point for impact wrenches

with groove and through-hole,
heavy-duty version



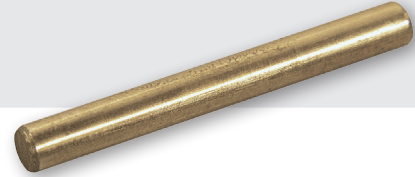
Article no	Drive Inch/''	Size mm	Length mm	Weight g
0351183S	2. 1/2	75	120	9600
0351184S	2. 1/2	80	120	10100
0351185S	2. 1/2	85	130	10000
0351186S	2. 1/2	90	130	10100
0351187S	2. 1/2	95	130	11200
0351188S	2. 1/2	100	140	12050
0351189S	2. 1/2	105	140	12600
0351190S	2. 1/2	110	150	13800
0351191S	2. 1/2	115	150	14100
0351192S	2. 1/2	120	155	15000

Impact locking ring for impact wrenches



Article no	Drive Inch/''	Size mm	Ø mm	Weight g
0351194S	2. 1/2	75 - 125	114	26

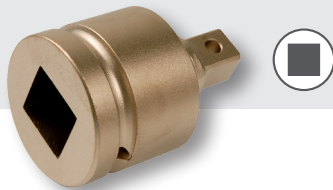
Impact locking pin for impact wrenches



Article no	Drive Inch/''	Size mm	Ø mm	Weight g
0351195S	2. 1/2	75 - 120	8 x 110	22

Reducer for impact wrenches

2. 1/2 → 1. 1/2

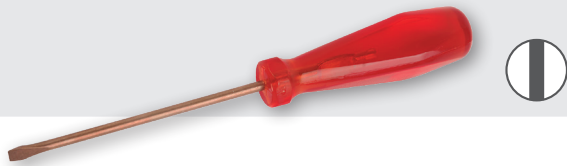


Article no	Drive Inch/''	Length mm	Weight g
0351193S	2. 1/2	145	6200



**SCREWDRIVERS &
HEX KEYS**

Screwdriver



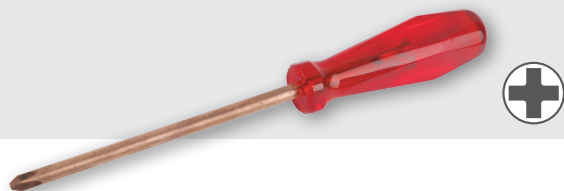
Articel no	mm	Length mm	Weight g
0803075C	3	75	30
0804510C	4,5	100	55
0804515C	4,5	150	60
0806010C	6	100	80
0806015C	6	150	85
0808015C	8	150	145
0801020C	10	200	185
0801030C	10	300	230

Electrician's screwdriver



Articel no	mm	Length mm	Weight g
0800380C	3	75	25
0800480C	4	150	55
0800580C	5	150	75
0800680C	6	200	110
0800780C	6,5	300	150

Cross slot screwdriver



Articel no	PH	Length mm	Weight g
0810000C	0	60	35
0810010C	1	80	60
0810020C	2	100	90
0810030C	3	150	165
0810040C	4	200	270

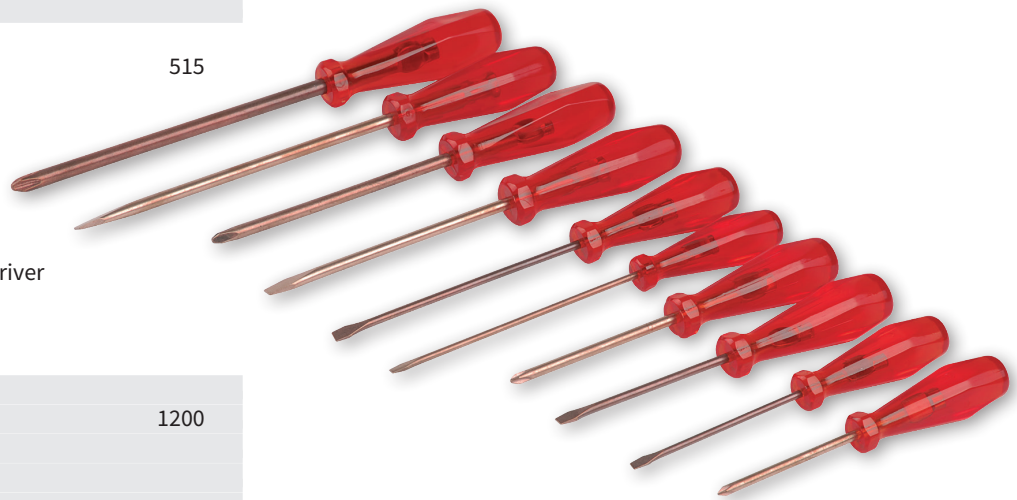
Sets of screwdrivers

Articel no	contents	Weight g
0800001C 4-pcs	<ul style="list-style-type: none"> each 1 pcs ⓪ screwdriver 3 x 75 mm 4,5 x 100 mm 6 x 150 mm 8 x 150 mm 	315

0800002C 6-pcs	<ul style="list-style-type: none"> each 1 pcs ⓪ screwdriver 4,5 x 100 mm 6 x 100 mm 6 x 150 mm 8 x 150 mm ⊕ cross slot screwdriver PH 1 PH 2 	515
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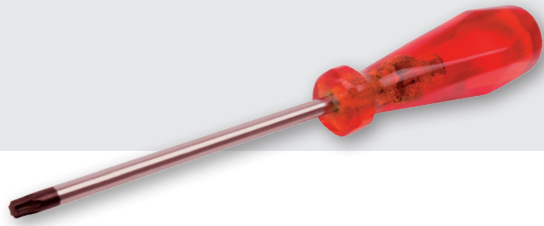
0800003C 10-pcs	<ul style="list-style-type: none"> each 1 pcs ⓪ screwdriver 4,5 x 100 mm 4,5 x 150 mm 6 x 100 mm 6 x 150 mm 8 x 150 mm 10 x 200 mm ⊕ cross slot screwdriver PH 1 PH 2 PH 3 PH 4 	1200
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0800004C 4-pcs	<ul style="list-style-type: none"> each 1 pcs ⊕ cross slot screwdriver PH 1 PH 2 PH 3 PH 4 	585
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Isolated screwdrivers on request!

Torx-screwdriver



Articel no		Length mm	Weight g
0807005C	T5	70	30
0807006C	T6	70	32
0807007C	T7	70	32
0807008C	T8	70	32
0807009C	T9	70	32
0807010C	T10	80	41
0807015C	T15	80	45
0807020C	T20	90	48
0807025C	T25	90	52
0807027C	T27	110	78
0807030C	T30	110	84
0807040C	T40	120	115
0807045C	T45	120	136
0807050C	T50	120	150

Hex key screwdriver 90° angled



Articel no	SW mm	Length mm	Weight g
0251038S	3	75 x 20	25
0251039S	4	75 x 25	40
0251040S	5	80 x 28	50
0251041S	6	80 x 32	75
0251042S	8	120 x 36	140
0251499S	10	120 x 40	220
0250500S	12	120 x 45	290

Hex key screwdriver



Articel no	SW mm	Length mm	Weight g
0251043S	3	100	35
0251044S	4	100	50
0251045S	5	100	60
0251046S	6	125	90
0251047S	8	150	140
0251048S	10	150	210
0252056S	12	150	280

Ball ended screwdriver



Articel no	SW mm	Length mm	Weight g
0807055C	3	100	35
0807060C	4	100	50
0807065C	5	100	60
0807070C	6	125	90
0807075C	8	150	140
0807080C	10	150	210
0807085C	12	150	280

Hex key

- similar DIN 911 -



Articel no	SW mm	Length mm	Weight g
0250015C	1,5	55	3
0250020C	2	55	2
0250025C	2,5	55	4
0250030S	3	60	7
0250040S	4	70	12
0250050S	5	80	20
0250060S	6	90	33
0250070S	7	95	45
0250080S	8	100	65
0250090S	9	105	85
0250100S	10	120	100
0250110S	11	119	130
0250120S	12	125	165
0250130S	13	132	200
0250140S	14	140	250
0250170S	17	160	405
0250180S	18	170	500
0250190S	19	180	570
0250220S	22	200	950
0250240S	24	224	1250
0250270S	27	250	1800
0250300S	30	280	2500
0250320S	32	315	3100
0250360S	36	355	4500
0250410S	41	400	5300

Hex key Inch

- similar DIN 911 -



Articel no	SW Inch"	Length mm	Weight g
0251002C	1/16	55	2
0251003C	5/64	55	2
0251004C	3/32	55	4
0251005C	1/8	60	7

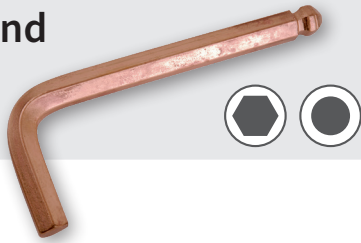
Articel no	SW Inch"	Length mm	Weight g
0251006C	5/32	70	12
0251007S	3/16	80	20
0251008S	7/32	80	20
0251009S	1/4	90	33
0251010S	5/16	100	65
0251011S	3/8	120	100
0251012S	7/16	119	130
0251013S	1/2	125	165
0251014S	9/16	140	250
0251015S	5/8	140	266
0251016S	11/16	160	405
0251017S	3/4	180	570
0251018S	7/8	200	950
0251019S	1	224	1260
0251020S	1. 1/16	250	3080
0251021S	1. 1/8	280	3300
0251022S	1. 1/4	315	3300
0251023S	1. 5/16	325	3520
0251024S	1. 3/8	335	3520
0251025S	1. 7/16	355	3740
0251026S	1. 1/2	370	3740
0251027S	1. 5/8	400	3740

Hex key long pattern



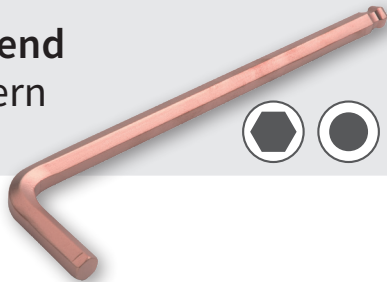
Articel no	SW mm	Length mm	Weight g
0251030S	3	126	6
0251031S	4	142	12
0251032S	5	160	18
0251033S	6	180	30
0251034S	8	200	70
0251035S	10	224	120
0251036S	12	250	190
0251037S	14	280	300
0251123S	17	320	380
0251124S	19	360	490

Hex key with ball end



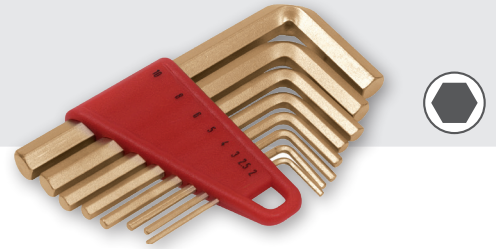
Articel no	SW mm	Length mm	Weight g
0251500C	1,5	45	4
0252000C	2	50	3
0252500C	2,5	55	5
0250003C	3	63	7
0250004C	4	70	12
0250005C	5	80	20
0250006C	6	90	32
0250007C	7	95	42
0250008C	8	100	60
0250010C	10	115	106
0250012C	12	130	205
0250014C	14	140	255

Hex key with ball end long pattern



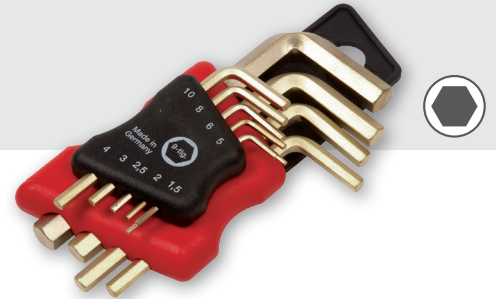
Articel no	SW mm	Length mm	Weight g
0250115C	3	126	8
0250016C	4	140	18
0250017C	5	160	31
0250018C	6	180	51
0250019C	7	190	75
0250120C	8	200	101
0250021C	10	224	176
0250022C	12	250	292
0250023C	14	290	370

Set of hex keys



Articel no	Contents	Weight g
0250001S	1 wallet 8 pcs hex key 2 - 2,5 - 3 - 4 - 5 6 - 8 - 10 mm	245
0250003S	1 wallet 9 pcs hex key 1,5 - 2 - 2,5 - 3 - 4 - 5 6 - 8 - 10 mm	205

Set of hex keys Inch



Articel no	Contents	Weight g
0250002S	1 wallet 9 pc. hex key $5/64 - 3/32 - 1/8 - 5/32$ $3/16 - 7/32 - 1/4 - 5/16 - 3/8$	177

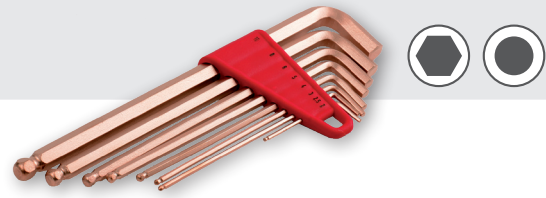
Set of hex keys long pattern



Articel no	Contents	Weight g
0250005S 9-pcs	1 wallet 8 pcs hex key long pattern 2 - 2,5 - 3 - 4 - 5 6 - 8 - 10 mm	400

0250004S 10-pcs	1 wallet 8 pcs hex key long pattern 1,5 - 2 - 2,5 - 3 - 4 5 - 6 - 8 - 10 mm	464
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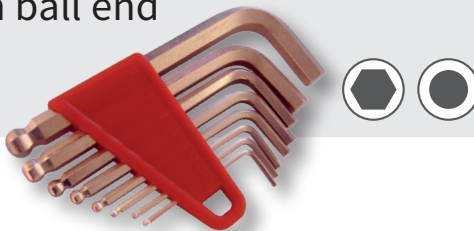
Set of hex keys with ball end, long pattern



Articel no	Contents	Weight g
0250068C 9-pcs	1 wallet 8 pcs hex key with ball end long pattern 2 - 2,5 - 3 - 4 - 5 6 - 8 - 10 mm	400

0250069C 10-pcs	1 wallet 9 pcs hex key with ball end long pattern 1,5 - 2 - 2,5 - 3 - 4 5 - 6 - 8 - 10 mm	464
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Set of hex keys with ball end



Articel no	Contents	Weight g
0250066C 9-pcs	1 wallet 8 pcs hex key with ball end 2 - 2,5 - 3 - 4 - 5 6 - 8 - 10 mm	250

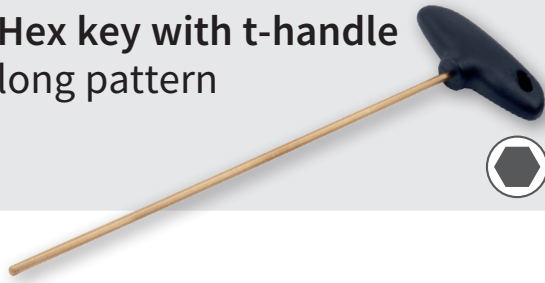
0250067C 10-pcs	1 wallet 9 pcs hex key with ball end 1,5 - 2 - 2,5 - 3 - 4 5 - 6 - 8 - 10 mm	260
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Hex key with t-handle



Articel no	SW mm	Length mm	Weight g
0251049S	3	100	31
0251050S	4	100	38
0251051S	5	100	61
0251052S	6	100	71
0251053S	8	100	97
0251054S	10	100	157
0250055S	12	100	198
0250056S	14	100	246

Hex key with t-handle long pattern



Articel no	SW mm	Length mm	Weight g
0250057S	3	150	34
0250058S	4	150	43
0250059S	5	150	69
0250061S	6	150	83
0250062S	8	150	118
0250063S	10	150	191
0250064S	12	150	247
0250065S	14	150	312

Hex key with ball end and t-handle



Articel no	SW mm	Length mm	Weight g
0807090C	3	100	31
0807091C	4	100	38
0807092C	5	150	69
0807093C	6	150	83
0807094C	8	150	118
0807095C	10	200	225
0807096C	12	200	295
0807097C	14	200	380

Offset screw driver

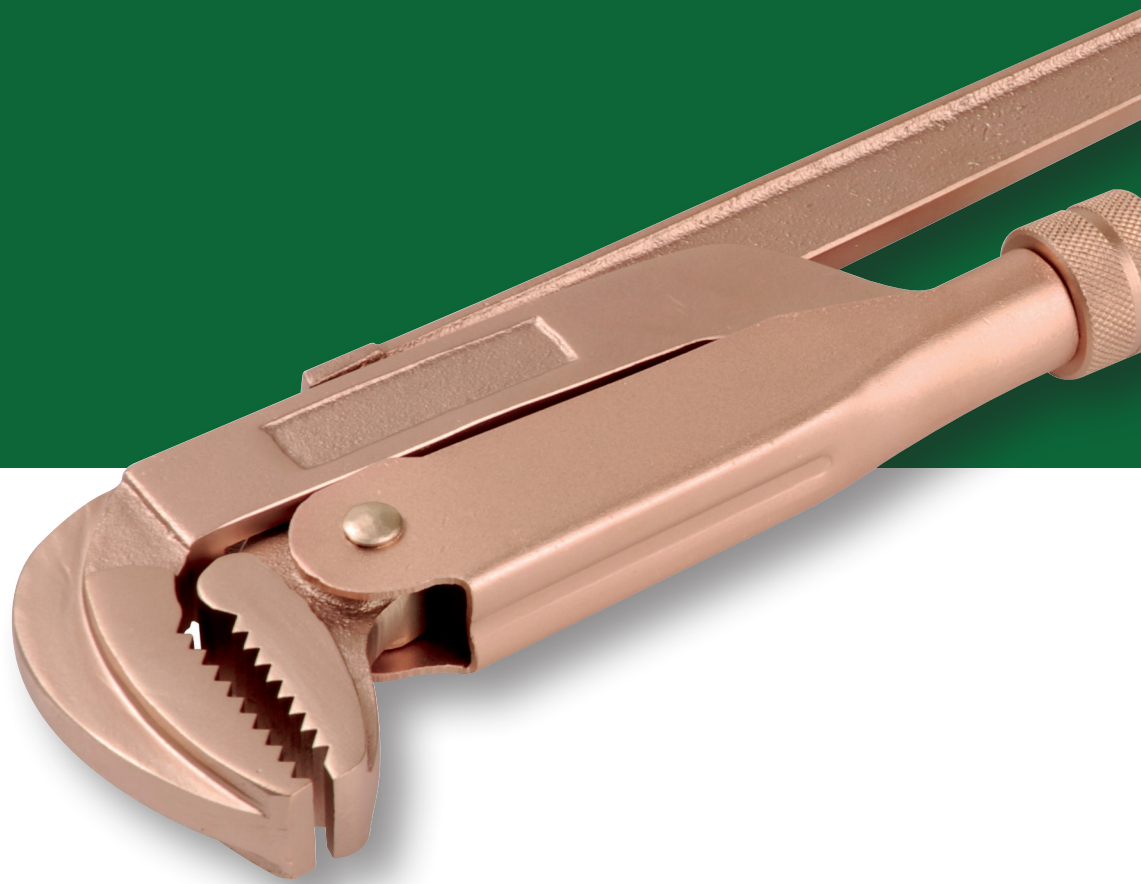


Articel no	mm	Length mm	Weight g
0831250S	4	125	25
0831300S	6	130	35
0831400S	10	140	90
0831900S	13	190	240

Square key angled

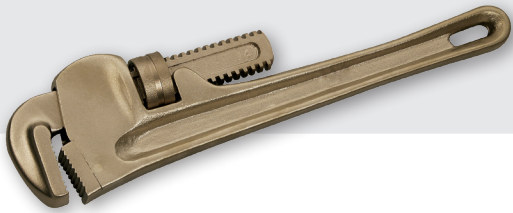


Articel no	SW mm	Length mm	Weight g
0140010S	10	200	200
0140011S	11	200	200
0140012S	12	200	200
0140013S	13	200	200
0140014S	14	220	400
0140015S	15	220	400
0140016S	16	220	400
0140017S	17	250	600
0140018S	18	250	600
0140019S	19	250	600
0140020S	20	300	1000
0140021S	21	300	1000
0140022S	22	300	1000
0140024S	24	360	1600
0140025S	25	360	1600
0140027S	27	360	1600
0140028S	28	440	3200
0140030S	30	440	3200
0140032S	32	440	3200



PLIERS & SCISSORS

Adjustable pipe wrench



Article no	Opening max. Inch	Length mm	Weight g
0530230S	3/4	230	600
0530300S	1	300	1125
0530385S	1. 1/2	385	1370
0530460S	2	460	2450
0530625S	2. 1/2	625	4050
0530850S	3. 1/2	850	7350
0531205S	5	1205	13800

Monkey wrench



Article no	Opening max. mm	Length mm	Weight g
0554000S	38	240	420
0555000S	45	240	470
0556000S	48	250	780
0557000S	58	305	1000
0558000S	65	350	1200
0559000S	70	425	1600
0551000S	80	500	2200
0551050S	105	575	3700

Grip plier



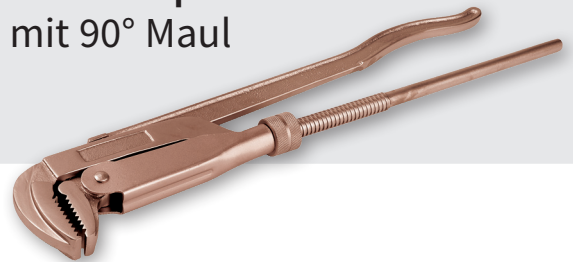
Article no	Length mm	Weight g
0621000S	250	720

Swedish plier



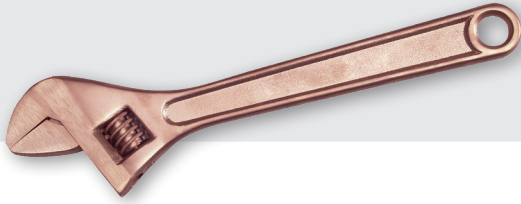
Article no	Opening max. Inch	Length mm	Weight g
0510010C	1	320	820
0510015C	1. 1/2	430	1570
0510020C	2	540	3200
0510030C	3	700	4100
0510040C	4	790	6200

Swedish plier with mole mit 90° Maul



Article no	Opening max. Inch	Length mm	Weight g
0510115C	1. 1/2	430	1570
0510120C	2	540	3200

Adjustable wrench



Article no	Opening max. mm	Length mm	Weight g
0481500C	18	150	100
0482000C	26	200	200
0482500C	30	250	400
0483000C	36	300	700
0483800C	46	380	1400
0484500C	53	450	2700
0486000C	67	600	5100

Gas pipe plier



Article no	Length mm	Weight g
0652100C	210	370

Chain pipe wrench light pattern



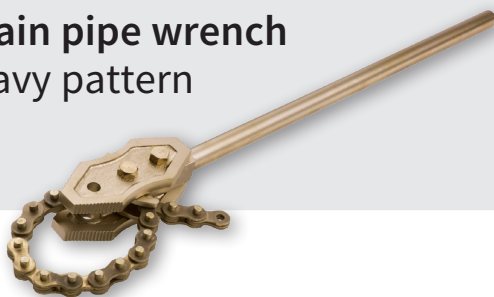
Article no	for Ø max. mm	Length mm	Weight g
7220001S	50	600	1700
7220002S	100	600	2500
7220003S	150	600	3000
7220004S	450	1600	8000

Combination plier



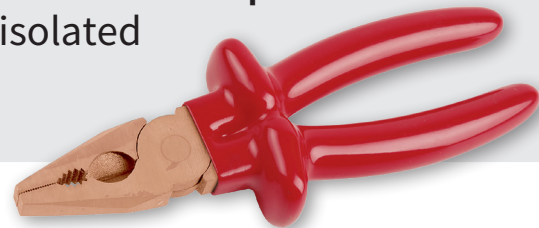
Article no	Length mm	Weight g
0601600C	160	350
0602000C	200	425

Chain pipe wrench heavy pattern



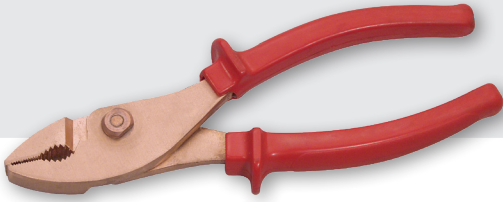
Article no	for Ø max. mm	Length mm	Weight g
0520510S	38	510	2650
0520685S	65	685	4500
0520915S	100	915	11500
0521830S	300	1830	30300

Combination plier isolated



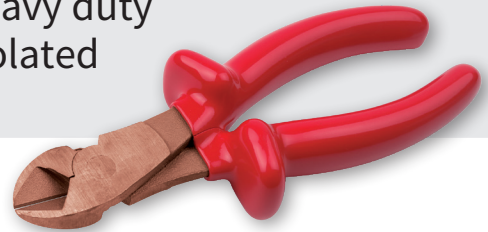
Article no	Length mm	Weight g
1601000C	200	390

Adjustable combination plier



Article no	Length mm	Weight g
1602000C	200	340

Diagonal cutting plier heavy duty isolated



Article no	Length mm	Weight g
0662651C	190	290

Diagonal cutting plier



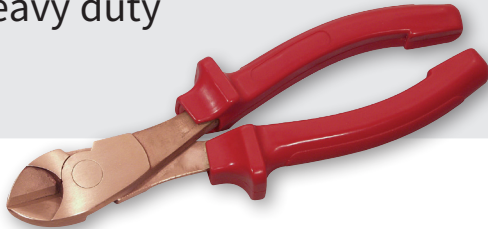
Article no	Length mm	Weight g
0661650C	165	200

Waterpump plier



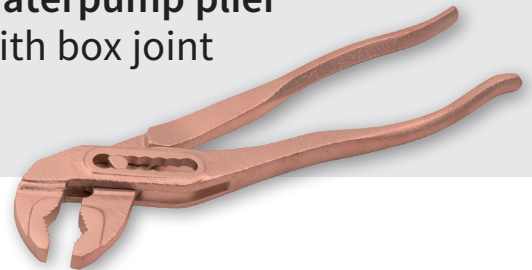
Article no	Opening max. mm	Length mm	Weight g
0502500C	30	250	370
0503000C	50	300	560
0504000C	110	400	1680

Diagonal Cutting plier heavy duty



Article no	Length mm	Weight g
0662650C	190	290

Waterpump plier with box joint



Article no	Opening max. mm	Length mm	Weight g
0602500C	30	250	350

Round nose plier



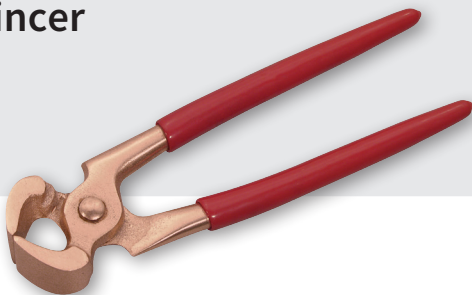
Article no	Length mm	Weight g
0621200C	120	90
0621600C	160	160

Flat nose plier



Article no	Length mm	Weight g
0641200C	120	50
0641600C	160	150

Pincer



Article no	Length mm	Weight g
0612000C	200	430
0612300C	230	520

Long nose plier with cutter



Article no	Length mm	Weight g
0631800C	180	300

Pincer heavy duty



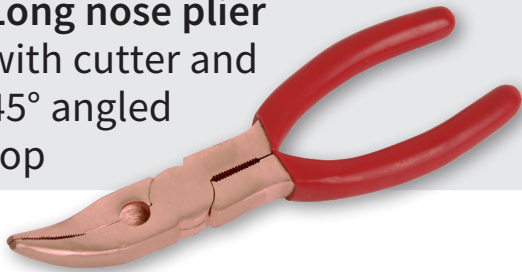
Article no	Length mm	Weight g
0611750C	175	260

Long nose plier with cutter isolated



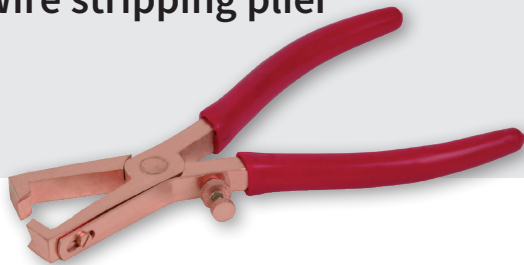
Article no	Length mm	Weight g
0631802C	180	255

**Long nose plier
with cutter and
45° angled
top**



Article no	Length mm	Weight g
0631801C	180	245

Wire stripping plier



Article no	Length mm	Weight g
0611550C	170	260

**Circlip plier
Form A
for external rings**



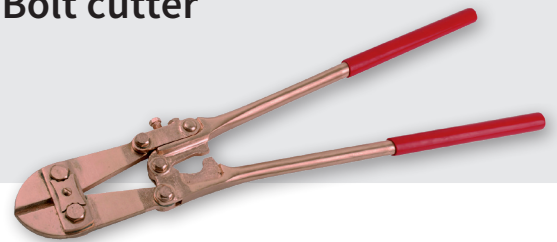
Article no	for Ø mm	Length mm	Weight g
0680310C	3-10	140	110
0681025C	10-25	140	120
0681960C	19-60	180	220
0684010C	40-100	225	300
0688516C	85-165	310	700
0681253C	125-300	500	1200

**Circlip plier
Form C
für internal rings**



Article no	for Ø mm	Length mm	Weight g
0690825C	8-25	140	120
0691960C	19-60	180	220
0694010C	40-100	225	300
0698516C	85-165	290	700
0691253C	125-300	500	1200

Bolt cutter



Article no	Length mm	Weight g
9991031C	620	3400

Crimp plier



Article no	Length mm	Weight g
0621001C	200	120

Set of pliers



Article no	Content	Weight g
7250008C	Combination plier 200 mm Waterpump plier 250 mm Diagonal cutting plier 165 mm Long nose plier 180 mm	1500

Multipurpose snip



Article no	Length mm	Weight g
0712100C	210	300

Tin snip



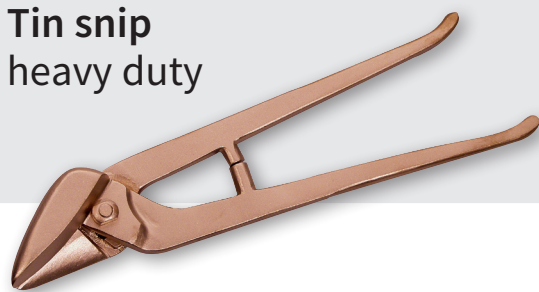
Article no	Length mm	Weight g
0702800C	300	450

Cutting shear



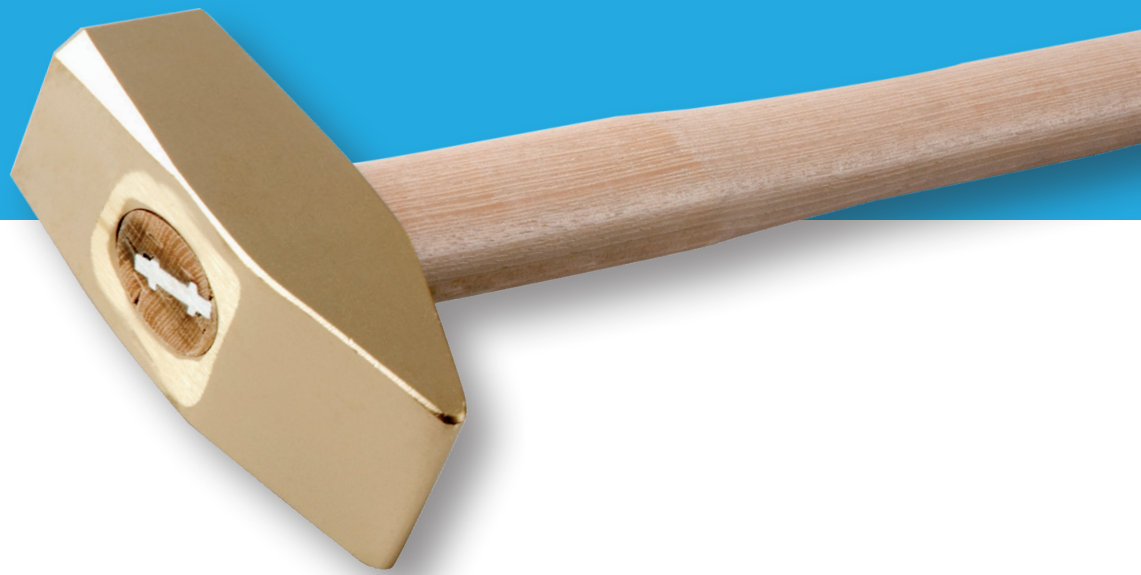
Article no	Length mm	Weight g
0712000C	220	225

Tin snip heavy duty



Article no	Length mm	Weight g
0702750C	280	520





HAMMER, CHISELS & PUNCHES

Machinist´hammer with hickory handle

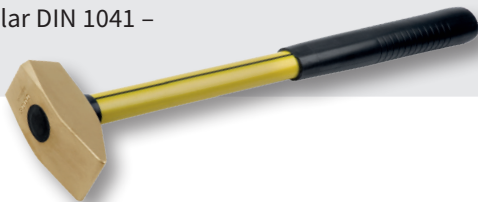
– similar DIN 1041 –



Article no	Weight g
1000100S	100
1000150S	150
1000200S	200
1000300S	300
1000400S	400
1000500S	500
1000600S	600
1000700S	700
1000800S	800
1000900S	900
1001000S	1000
1001250S	1250
1001500S	1500
1002000S	2000

Machinist´hammer with fiberglass handle

– similar DIN 1041 –



Article no	Weight g
1000300F	300
1000400F	400
1000500F	500
1000800F	800
1001000F	1000
1001500F	1500
1002000F	2000

Hammer with hickory handle

– similar DIN 1042 –



Article no	Weight g
1042500S	2500
1043000S	3000
1044000S	4000
1045000S	5000
1046000S	6000
1048000S	8000
1049000S	9000
1041000S	10000
1041200S	12000
1041500S	15000

Hammer with fiberglass handle

– similar DIN 1042 –

Article no	Weight g
1043000F	3000
1044000F	4000
1045000F	5000
1048000F	8000
1041000F	10000

Sledge hammer with hickory handle



Article no	Weight g
103100S	1000
103125S	1250
103150S	1500
103200S	2000
103250S	2500
103300S	3000
103400S	4000
103500S	5000
103600S	6000
103800S	8000
103110S	10000

Minehammer with hickory handle



Article no	Weight g
113100S	1000
113150S	1500
113250S	2500
113350S	3500
113500S	5000
113800S	8000

Sledge hammer with fiberglass handle



Article no	Weight g
103100F	1000
103125F	1250
103150F	1500
103200F	2000
103250F	2500
103300F	3000
103400F	4000
103500F	5000
103600F	6000
103800F	8000
103110F	10000

Minehammer with fiberglass handle



Article no	Weight g
113100F	1000
113150F	1500
113250F	2500
113350F	3500
113500F	5000
113800F	8000

Ball pein hammer with hickory handle

american type



Article no	Weight g
1020100S	100
1020150S	150
1020200S	200
1020300S	300
1020400S	400
1020500S	500
1020600S	600
1020700S	700
1020800S	800
1020900S	900
1021000S	1000
1021300S	1300
1021500S	1500
1022000S	2000

Handhammer with hickory handle

american type



Article no	Weight g
1090700S	700
1091200S	1200
1091600S	1600

Riveter with hickory handle



Article no	Weight g
1081500S	1500

Clubhammer with hickory handle



Article no	Weight g
1161000S	1000
1162000S	2000
1163000S	3000
1165000S	5000

Double face machinist ' hammer with hickory handle

american type



Article no	Weight g
1120100S	100
1120300S	300
1120500S	500
1120600S	600
1120800S	800
1120900S	900
1121100S	1100

Bricklayer 's hammer with hickory handle

- similar DIN 5108 -



Article no	Weight g
7010600S	600
7010800S	800
7010900S	1000

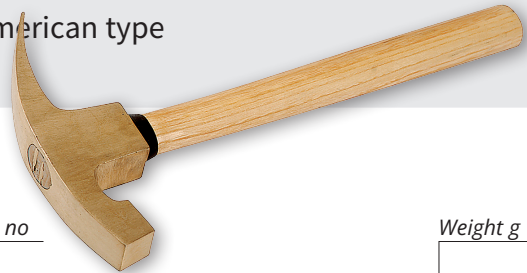
Claw hammer with hickory handle



Article no	Weight g
1060300S	300
1060400S	400
1060500S	500
1060600S	600

Bricklayer 's hammer with hickory handle

american type



Article no	Weight g
7030700S	700

Scaling hammer with hickory handle



Article no	Weight g
1050200S	200
1050400S	400
1050500S	500
1050600S	600
1050800S	800
1050900S	900
1051400S	1400

Mallet with hickory handle



Article no	Weight g
7020900S	900
7021800S	1800
7022700S	2700

Rubber mallet with ash tree handle



Article no	Surface Ø mm	Weight g
7060400S	65	400
7060700S	75	700
7061000S	90	1000

Cutoff hammer with hickory handle



Article no	Weight g
7041300S	1300
7042100S	2100

Wooden mallet made of European beech



Article no	Surface Ø mm	Weight g
7070210S	60	210
7070265S	70	265

Punch hammer with hickory handle



Article no	Ø mm	Weight g
7050800S	8	800
7051800S	10	800
7051200S	12	1200
7052200S	16	1200

Recoil-Free Hammers

Power Drive® recoil-free hammers are proudly manufactured in the USA and equipped with durable Nuplaglas® fiberglass handles.

Their patented impact-resistant composite core is enclosed in a rugged polymer outer shell. This advanced construction delivers up to 40% more striking power while significantly reducing rebound compared to conventional hammers.

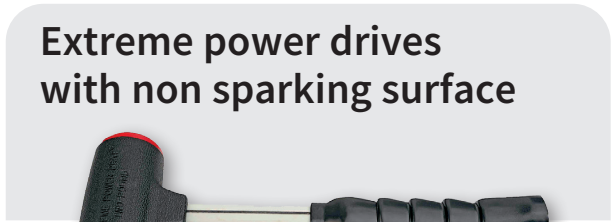
The specially engineered striking surface provides exceptional protection and outstanding durability, even under demanding conditions.

For applications requiring spark resistance, brass striking faces are also available.



Powerdrive dead blow

Article no	Surface Ø mm	Weight g
SFN1SG	40	800
SFN2SG	50	1000
SFN3SG	60	1300
SFN4SG	70	1600



Extreme power drives with non sparking surface

Article no	Surface Ø mm	Weight g
SDSFB-2SG	50	1000

Powerdrive dead blow with compact synthetic tops

Article no	Surface Ø mm	Weight g
STPN16	16	450
STPN24	24	675

SPI Holder non rebound without tip

Article no	Surface Ø mm	Weight g
SPI106N	25	350
SPI156N	40	500
SPI206N	50	1000
SPI256N	65	2000
SPI306N	75	3000

suitable tips look on page 96

SPS Holder non-sparking without tip

Article no	Surface Ø mm	Weight g
SPS105N	25	250
SPS150N	40	450
SPS155N	40	300
SPS200N	50	700
SPS205N	50	1000
SPS250N	65	1150
SPS255N	65	1950
SPS300N	75	1500
SPS305N	75	3000
SPS306N	75	3400
SPS307N	75	3700

suitable tips look on page 96

Tips 25 mm Ø

for SPI 106 N
SPS 105 N

Article no	Colour	Hardness	Weight g
10H-N		hard	40
10M-N		medium	40
10S-N		soft	40
10SN-N		mediumsoft	40
10T-N		tough	40
10XH-N		extra hard	40

Tips 65 mm Ø

for SPI 256 N
SPS 250 N
SPS 255 N

Article no	Colour	Hardness	Weight g
25H-N		hard	70
25M-N		medium	70
25S-N		soft	70
25SN-N		mediumsoft	70
25T-N		tough	70
25XH-N		extra hard	70

Tips 40 mm Ø

for SPS 150 N
SPS 155 N
SPI 156 N

Article no	Colour	Hardness	Weight g
15B-N		brass	100
15H-N		hard	40
15M-N		medium	40
15S-N		soft	40
15SN-N		mediumsoft	40
15T-N		tough	40
15XH-N		extra hard	40

Tips 75 mm Ø

for SPS 305 N
SPS 307 N
SPI 306 N

Article no	Colour	Length x Width mm	Weight g
30H-N		hard	240
30M-N		medium	240
30S-N		soft	270
30SN-N		mediumsoft	270
30T-N		tough	280
30XH-N		extra hard	310

Tips 50 mm Ø

for SPS 200 N
SPS 205 N
SPI 206 N

Article no	Colour	Hardness	Weight g
20B-N		brass	130
20H-N		hard	90
20M-N		medium	90
20S-N		soft	90
20SN-N		mediumsoft	100
20T-N		tough	100
20XH-N		extra hard	100



Flat chisel oval form



Article no	Length mm	Blade mm	Weight g
1150150S	150	20	200
1150200S	200	25	320
1150250S	250	25	550
1150300S	300	25	560
1150400S	400	30	630
1150450S	450	30	750
1150500S	500	30	920

Cape chisel oval form



Article no	Length mm	Blade mm	Weight g
1160150S	150	8	250
1160200S	200	8	340
1160250S	250	8	480
1160300S	300	10	640

Bricklayers' chisel 6-point – similar DIN 7254 –



Article no	Length mm	Blade mm	Weight g
7090006S	200	6	35
7090008S	150	8	40
7090010S	150	10	120
7090014S	150	14	200
7090200S	200	14	250
7090250S	250	14	300
7090140S	300	14	400
7090017S	150	17	300
7090170S	250	17	450
7090300S	300	17	550
7090020S	200	19	500
7090002S	250	19	600
7090350S	350	19	850
7090400S	400	19	1000
7090023S	250	22	850
7090022S	300	22	1000
7090500S	500	22	1600
7090600S	600	22	2000
7090027S	250	27	1200
7090050S	300	32	2000

Cape chisel 6-point



Article no	Length mm	● mm	Weight g
7100200S	200	14	270
7100250S	250	14	330
7100300S	300	17	550
7100400S	400	19	960

Point chisel 6-point



Article no	Length mm	● mm	Weight g
7080200S	200	14	270
7080250S	250	14	330
7080300S	300	17	550
7080400S	400	19	960

Splitting chisel flat



Article no	Length mm	Blade mm	Höhe mm	Weight g
1150001S	200	25	5	360
1150002S	250	25	5	460
1150003S	300	25	5	550

Concrete chisel



Article no	Length mm	Form mm a x b	Weight g
7110380S	380	45 x 33	5000

Hand guard for chisel



Article no	Ø mm	Weight g
1222607S	26 x 7	145

Double end scribe



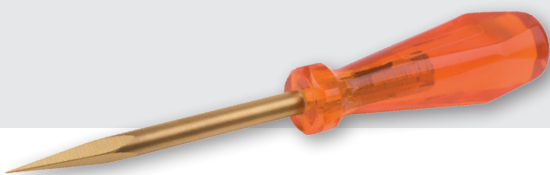
Article no	Length mm	Ø mm	Weight g
1201900S	190	4	50
1202250S	225	6	50

Offset pin



Article no	Length x Width mm	Ø mm	Weight g
1950300S	300 x 100	13	200
1950401S	450 x 150	16	930
1950400S	450 x 150	19	1300
1950402S	450 x 150	24	2000
1950403S	450 x 150	27	2300
1950404S	450 x 150	30	3300
1950405S	500 x 150	16	1300
1950406S	600 x 200	20	2400
1950407S	800 x 200	22	3400

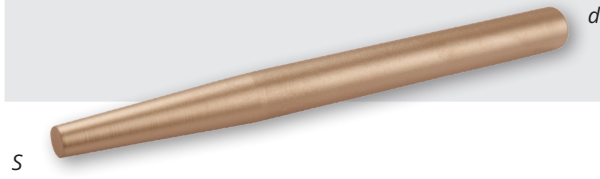
Square blade awl



Article no	bladlength mm	Weight g
0810060S	100	80

Punch conical

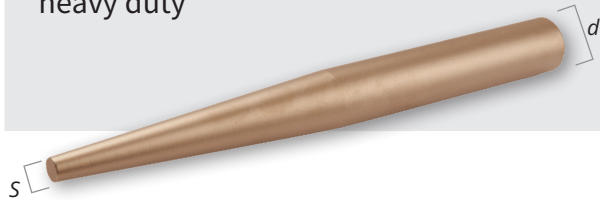
- similar DIN 6458 -



Article no	Length mm	S Ø mm	d Ø mm	Weight g
1180010S	120	1	8	35
1180020S	120	2	8	35
1180030S	120	3	8	35
1180040S	120	4	8	40
1180050S	120	5	10	60
1180060S	120	6	10	60
1180070S	120	7	10	65
1180080S	120	8	10	65
1180090S	150	9	13	135
1180100S	150	10	13	140
1180120S	160	12	16	220
1180140S	160	14	16	230
1180160S	200	16	20	500
1180180S	200	18	20	500
1180200S	200	20	24	620
1180220S	200	22	24	640

Punch conical

heavy duty



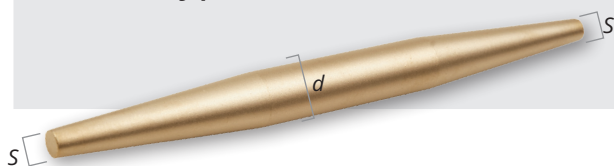
Article no	Length mm	S Ø mm	d Ø mm	Weight g
1180011S	150	6	13	100
1180012S	150	7	17	100
1180013S	200	8	21	395
1180014S	250	12	24	645
1180130S	250	13	30	865

Punch conical machinist´ extra strong



Article no	Length mm	S Ø mm	d Ø mm	Weight g
1180500S	220	5	16	255
1181000S	230	10	19	420
1180015S	250	13	24	880

Driftpin barrel type



Article no	Length mm	S Ø mm	d Ø mm	Weight g
1180004S	200	8	17	230
1180005S	200	8	21	360
1180006S	200	10	24	415
1180007S	200	13	27	630
1180008S	200	18	30	880
1180009S	200	22	32	1050

Center punch



Article no	Length mm	Ø mm	Weight g
1170100S	100	3	30
1170110S	110	4	60
1170125S	125	5	100
1170150S	150	6	200

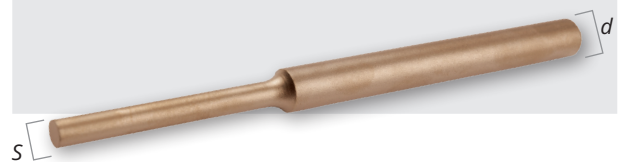
Pin-Set

Article no	content/SW mm	Weight g
1180001S 7-pcs	in wallet punches 1 - 2 - 3 - 4 - 5 1 center punch 4 mm	310



Pin punch

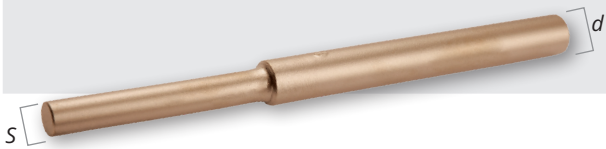
- similar DIN 6450 -



Article no	Length mm	S Ø mm	d Ø mm	Weight g
1190150S	110	1,5	10	45
1190200S	110	2	10	50
1190300S	110	3	10	45
1190400S	120	4	10	50
1190500S	130	5	10	50
1190600S	140	6	10	60
1190800S	150	8	12	100
1191000S	160	10	12	120
1191300S	180	13	16	240
1191600S	200	16	16	400

Pin punch

heavy duty



Article no	Length mm	S Ø mm	d Ø mm	Weight g
1191500S	150	6	14	120
1190100S	180	10	14	160
1190013S	200	13	18	290
1190160S	300	16	20	655

Pin punch set



Article no	content/SW mm	Weight g
1190002S 7-pcs	in wallet Pin punches 3 - 4 - 5 - 6 - 8 - 10	440

Pin straight

- similar DIN 6459 -



Article no	Length mm	d Ø mm	Weight g
1200008S	85	8	40
1200010S	90	10	50
1200013S	100	13	70
1200016S	110	16	100
1200019S	140	19	180
1200021S	160	21	270
1200025S	200	25	450
1200029S	240	29	630

Setting punch



Article no	Length mm	S Ø mm	d Ø mm	Weight g
1200005S	180	5	12	110
1200006S	200	6	13	150
1200080S	200	8	16	220
1200009S	200	9	20	340
1200100S	230	10	22	460
1200011S	250	11	25	620
1200012S	280	12	27	870
1200014S	320	14	30	1260
1200015S	350	15	32	1570
1200160S	380	16	36	2230

Taper punch



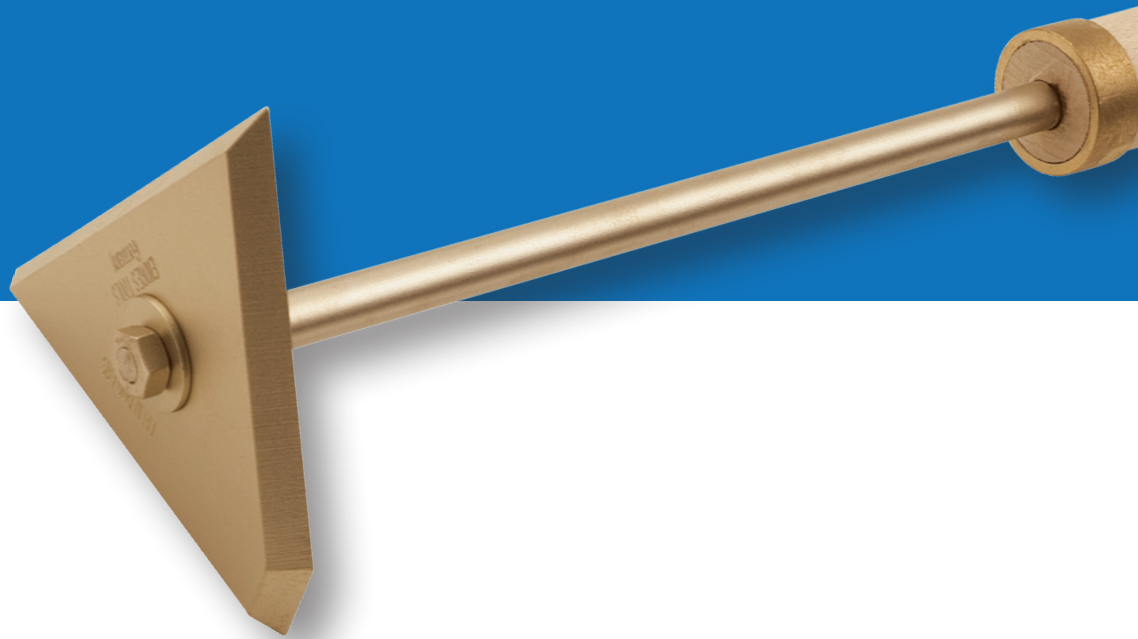
Article no	Length mm	S Ø mm	d Ø mm	Weight g
1620500S	500	5	19	1200

Thread-cleaning pin



Article no	Length mm	d Ø mm	Weight g
1360006S	300	6	75
1360007S	300	10	180
1360008S	300	13	350





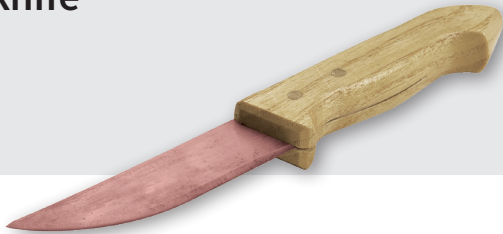
KNIVES, SPATULAS & SCRAPERS

Caulking tool



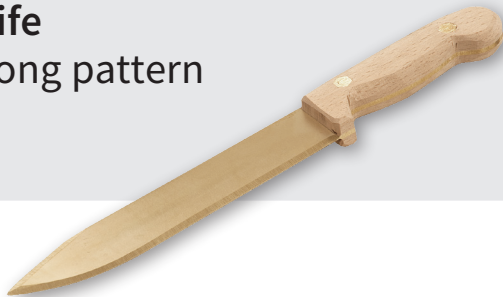
Article no	Width mm	Weight g
190002S	2	370
190003S	3	410
190004S	4	390
190005S	5	520
190006S	6	420
190007S	7	500
190008S	8	520
190009S	9	520
190010S	10	525
190012S	12	540

Knife



Article no	Blade mm	Total length mm	Weight g
0731800C	80	180	40

Knife strong pattern



Article no	Blade mm	Total length mm	Weight g
0731801S	200	300	300

Spatula flexible blade



Article no	mm	Length mm	Weight g
1390040C	40	210	75
1390050C	50	210	80
1390060C	60	210	95
1390080C	80	230	90
1390090C	90	230	115
1390100C	100	230	125

Spatula stiff blade



Article no	mm	Length mm	Weight g
1400030S	30	210	110
1400040S	40	220	120
1400050S	50	220	150
1400060S	60	220	165
1400080S	80	240	190
1400090S	90	240	215
1400100S	100	240	240

Scraper flexible blade



Article no	mm	Length mm	Weight g
723000C	78	175	125

Deck scraper



Article no	mm	Length mm	Weight g
1360200S	22	200	210
1360255S	45	255	480
1360300S	50	300	570

Scraper wide stiff blade



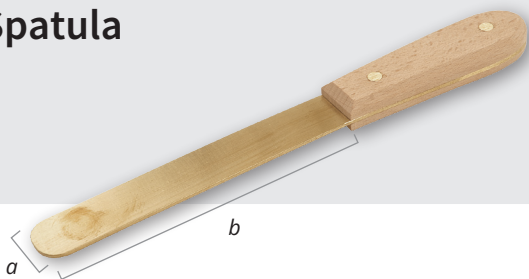
Article no	mm	Length mm	Weight g
7230012S	120	195	250
7230014S	140	195	270
7230016S	160	205	300
7230018S	180	205	350

Deck scraper with handle



Article no	mm	Length mm	Weight g
1360380S	38	380	780

Spatula



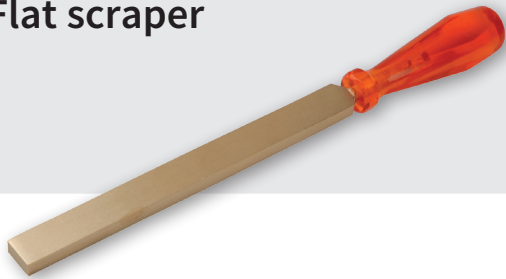
Article no	a x b mm	Length mm	Weight g
9991052S	25 x 150	260	85
9991053S	40 x 230	350	145
9991054S	50 x 355	490	275

Spray booth scraper



Article no	mm	Length mm	Weight g
7140001S	80	235	450

Flat scraper



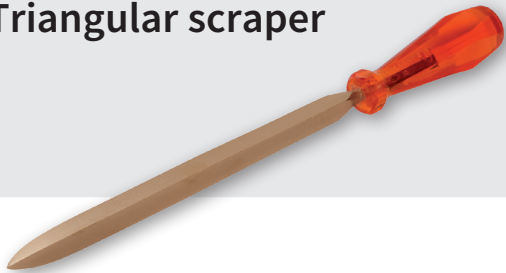
Article no	mm	Length mm	Weight g
1380200S	200	310	290

Hand style scraper with handle



Article no	mm	Length mm	Weight g
7150001S	95	480	620

Triangular scraper



Article no	mm	Length mm	Weight g
1372000S	200	310	220

Scraper optional with handle



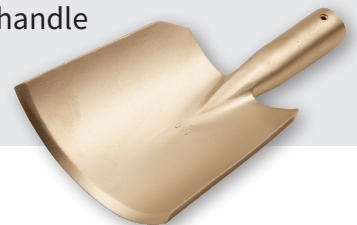
Article no	mm	Length mm	Weight g
1310750S	75	220	580
1311000S	100	220	830
1311250S	125	220	880
1311500S	150	220	1020

Ship scraper



Article no	mm	Length mm	Weight g
1355000S	100 x 70	420	650

Scraper concave optional with handle



Article no	mm	Length mm	Weight g
1321000S	100	165	900
1321500S	150	215	1350

Rust scraper



Article no	mm	Length mm	Weight g
1330600S	75	600	530
1330800S	75	800	620
1331000S	75	1000	740
1331200S	75	1200	1160

Pointed trowel



Article no	Trowel mm	Weight g
1390160S	105 x 160	180

Brick trowel



Article no	Trowel mm	Length mm	Weight g
1390130S	130 x 215	335	350
1390135S	135 x 240	360	540

Joint trowel



Article no	mm	Weight g
1390010S	10	113

Plasters' trowel



Article no	Trowel mm	Weight g
1390280S	120 x 280	810

Pic scraper



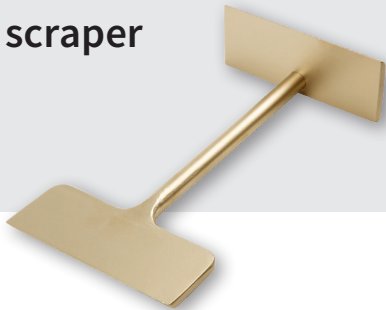
Article no	Length mm	Weight g
1344800S	480	1200

Scraper, floor optional with handle

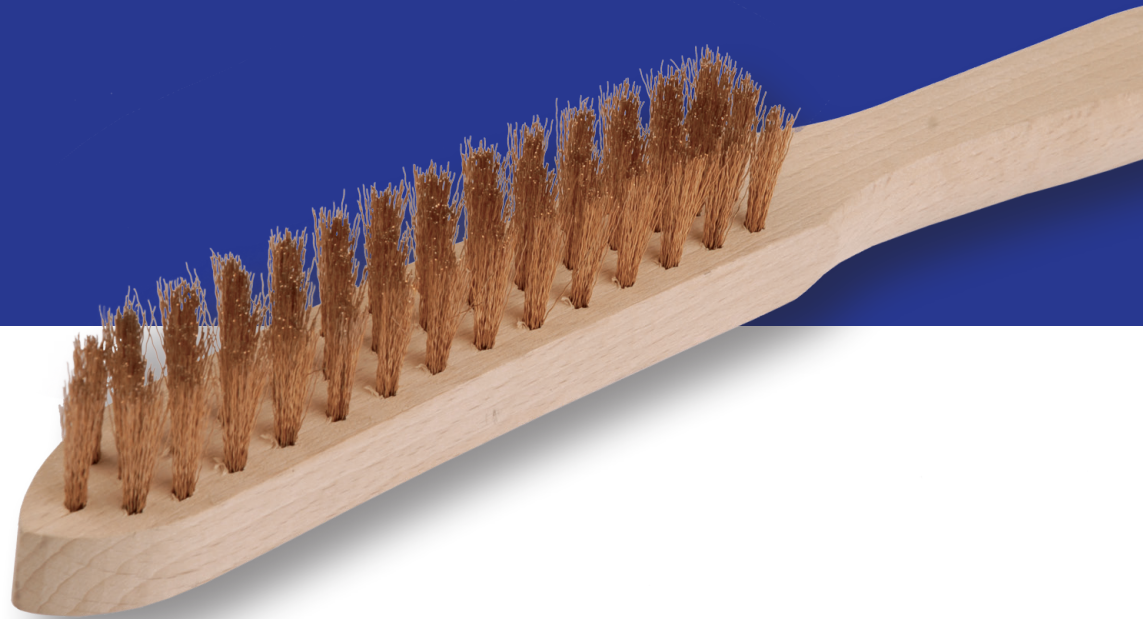


Article no	mm	Length mm	Weight g
1341500S	150	170	720

Deck scraper



Article no	mm	Length mm	Weight g
1310075S	75	150	500
1310125S	125	235	800



BRUSHES & SCRUBBERS

Wire brush
tin bronze wire
curled



Article no	Length mm	Rows	Weight g
1750030S	350	3	190
1750040S	350	4	210
1750050S	350	5	190

Brush
tin bronze wire
corrugated



Article no	Length mm	Width mm	Weight g
1761800S	180	70	300

Brush, spark plug cleaning
round wire curled



Article no	Length mm	Weight g
1761900S	145	25

Scrubber (optional with stem)
tin bronze wire smooth



Article no	Mass	Weight g
1752450S	220 x 60 x 25	480

Wheel brush
tin bronze wire
curled



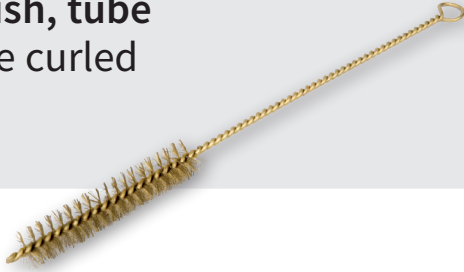
Article no	Drive-Ø mm	Ø mm	Weight g
1770150S	22,2	150	520

Cup brush
tin bronze wire
curled



Article no	Drive-Ø mm	Ø mm	Weight g
1780150S	22,2	125	700

**Brush, tube
wire curled**



Article no	Length mm	Weight g
1790320S	300	42

**Handbroom
tin bronze wire
curled**



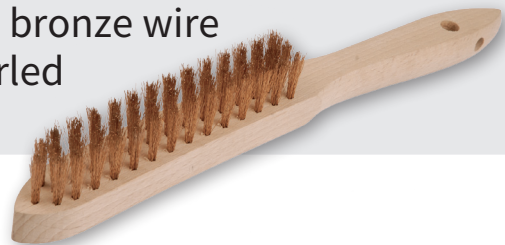
Article no	Length mm	Weight g
175007S	310	320

**Broom with handle
round wire curled**



Article no	Mass	Weight g
1753000S	310 x 55 x 150	1500

**Handbrush
tin bronze wire
curled**



Article no	Length mm	Rows	Weight g
1750008S	290	3	110
1750009S	290	4	130
1750010S	290	5	150

**Brush end
wire curled**



Article no	Ø mm	Length Drive mm	Drive Ø
1750006S	26	25	6

**Rubber pusher
made of wood
with handle**



Article no	Length mm	Weight g
1210735S	600	300





**HATCHETS, SHOVELS,
SPADES, PICKS & FORKS**

Hoe



Article no	Length mm	Width mm	Weight g
7160001S	950	120	2300

Firemens' axe

- similar DIN 14900 -



Article no	Length mm	Weight g
7170000S	800	2600

Hatchet



Article no	Length mm	Weight g
1451000S	450	1300
1451500S	450	1500

Firemens' hatchet made of CuBe with fiberglassc handle



Article no	Length mm	Weight g
1450900C	320	900

Axe



Article no	Length mm	Weight g
1467500S	750	1600
1469000S	900	2200

Hand pick



Article no	Length mm	Width mm	Weight g
7170001S	380	225	1000

Miners' pick

optional with handle



Article no	Length mm	Weight g
7190001S	400	2200

Firemens' hook

– similar DIN 14851 –



Article no	Length mm	Width mm	Weight g
7180001S	380	176	1800

Pick with handle



Article no	Length mm	Width mm	Weight g
1265600S	950	650	4100

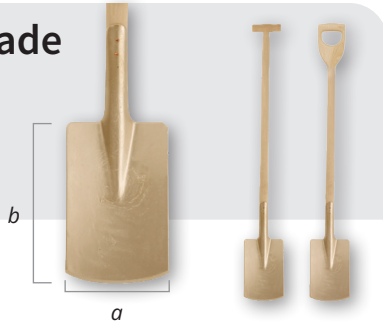
Railroad pick with handle

– similar DIN 20109 –



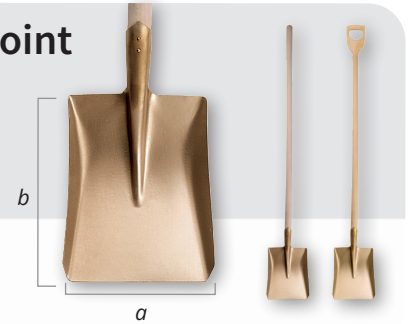
Article no	Length mm	Width mm	Weight g
1255801S	800	400	2150
1255802S	950	500	3500
1255800S	950	550	4000

Edging spade



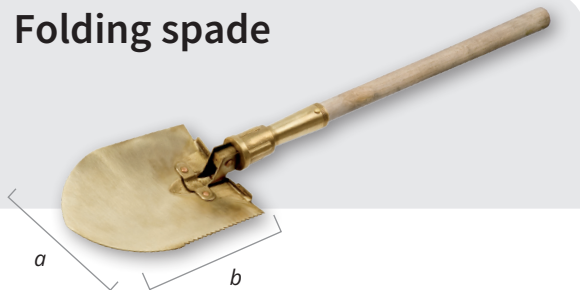
Article no	a x b mm	Length mm/Form	Weight g
1521160S	170 x 260	1250 T-Stiel	3500
1521161S	170 x 260	1270 D-Stiel	3650

Square point shovel



Article no	a x b mm	Length mm/Form	Weight g
1501280S	240 x 290	1600 straight	1950
1501281S	240 x 290	1270 D-Handle	1950

Folding spade



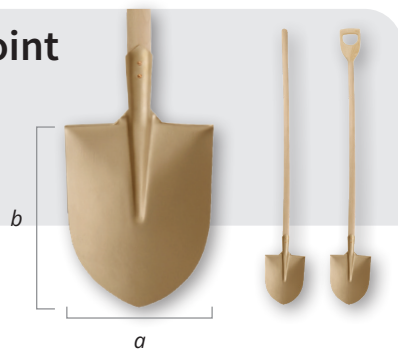
Article no	a x b mm	Length mm	Weight g
1521260S	190 x 220	710	1300

Ballast shovel



Article no	a x b mm	Length mm/Form	Weight g
1541280S	280 x 380	1650 straight	2130
1541281S	280 x 380	1320 D-Handle	2130

Round point shauvel



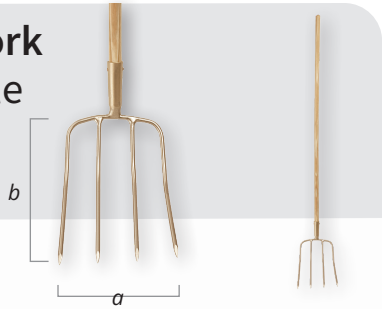
Article no	a x b mm	Length mm/Form	Weight g
1531250S	240 x 300	1600 straight	1850
1531251S	240 x 300	1270 D-Handle	1850

Scoop shovel



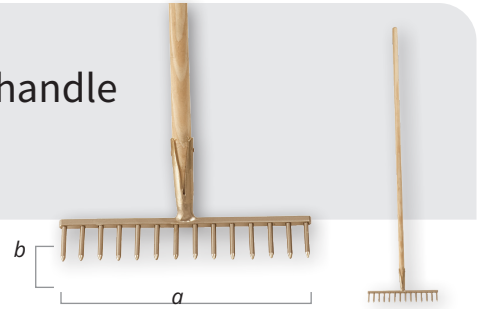
Article no	a x b mm	Length mm	Weight g
1510540S	180 x 240	550	720

Manure Fork with handle



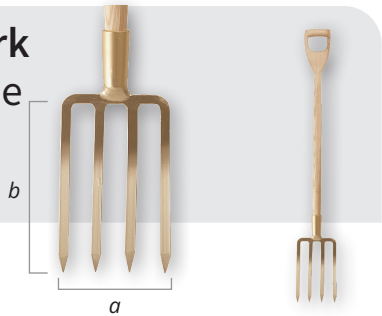
Article no	a x b mm	Length mm/Form	Weight g
1511600S	230 x 330	1600 straight	1640

Rake with handle



Article no	a x b mm	Length mm/Form	Weight g
1511200S	360 x 60	1500 straight	1530

Garden fork with handle



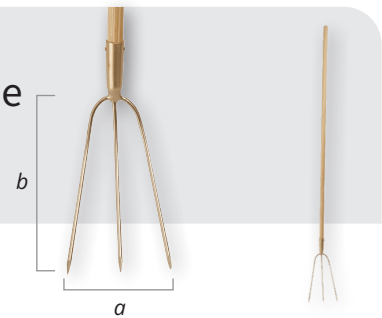
Article no	a x b mm	Length mm/Form	Weight g
1511000S	180 x 280	1250 D-Handle	1265

Hedge shears



Article no	Bladelength mm	Weight g
0001001C	300	1400

Hay fork with handle



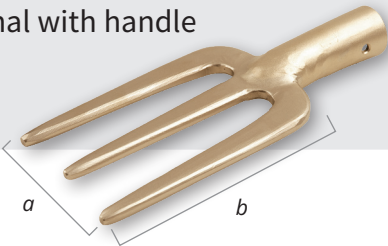
Article no	a x b mm	Length mm/Form	Weight g
1511100S	180 x 290	1700 straight	1280

Reaping hook



Article no	Length mm	Weight g
0001002S	250	800

Fork for guncotton optional with handle

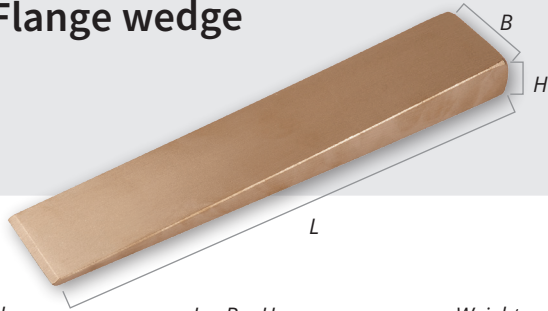


Article no	a x b mm	Length mm	Weight g
1511300S	90 x 140	200	600
1511400S	150 x 250	370	1305



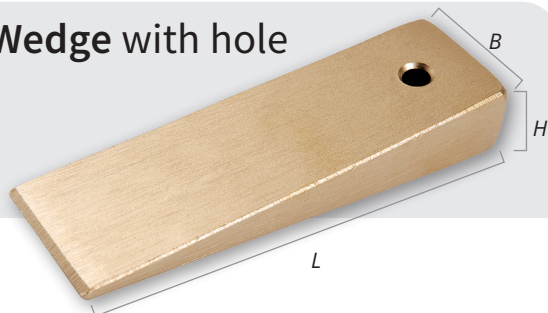
WEDGES & BARS

Flange wedge



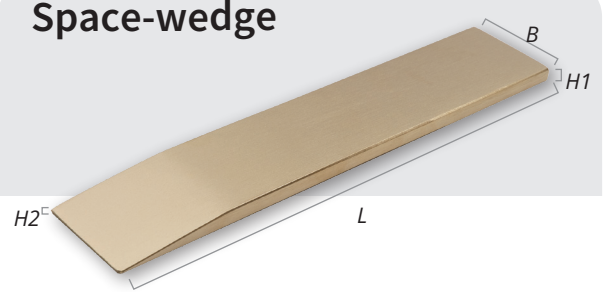
Article no	L x B x H mm	Weight g
1860010S	80 x 15 x 6	40
1860011S	90 x 50 x 10	200
1860001S	100 x 50 x 10	210
1860006S	105 x 19 x 13	100
1860002S	150 x 25 x 13	215
1860003S	150 x 30 x 13	280
1860007S	150 x 38 x 19	400
1860004S	150 x 40 x 13	425
1860012S	180 x 32 x 13	300
1860013S	180 x 50 x 10	400
1860008S	180 x 50 x 19	700
1860014S	200 x 38 x 25	900
1860015S	200 x 38 x 41	1300
1860009S	200 x 40 x 40	1380
1860016S	200 x 50 x 19	800
1860017S	215 x 50 x 32	1400
1860005S	230 x 40 x 20	1000

Wedge with hole



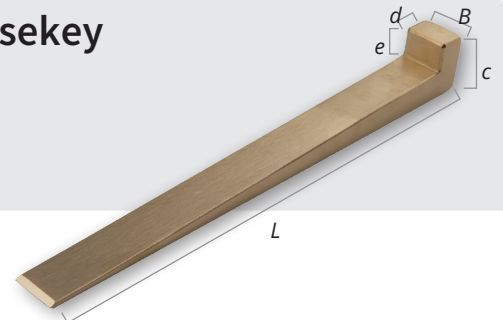
Article no	L x B x H mm	Hole-Ø mm	Weight g
1851000S	100 x 30 x 15	6	220

Space-wedge



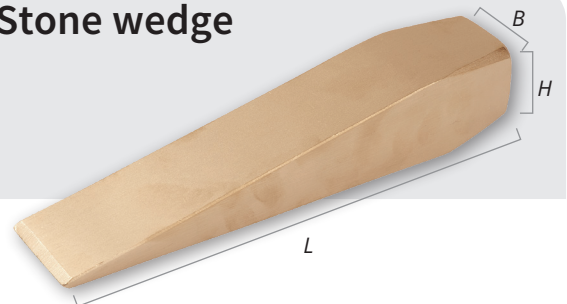
Article no	L x B x H1 x H2 mm	Weight g
1861002S	250 x 50 x 5 x 1,5	200

Nosekey



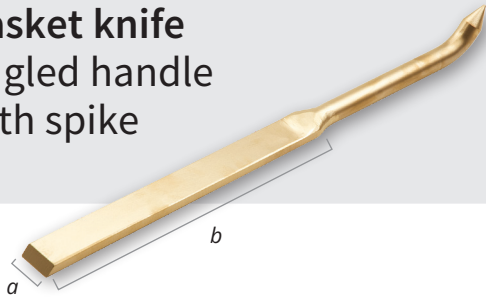
Article no	L x B x c x d x e mm	Weight g
9991034S	340 x 20 x 40 x 20 x 20	2600
1861001S	340 x 30 x 40 x 20 x 20	2800
1861000S	400 x 30 x 40 x 40 x 15	3500

Stone wedge



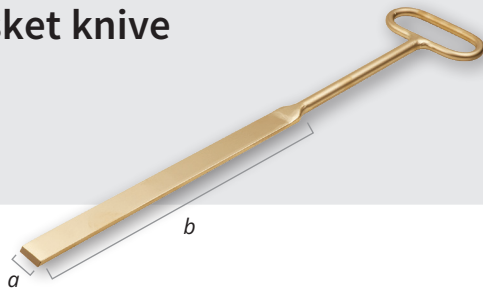
Article no	L x B x H mm	Weight g
7120001S	120 x 45 x 45	1100
7120002S	150 x 45 x 45	1400
7120003S	190 x 50 x 50	2000
7120004S	240 x 50 x 50	3000

Gasket knife Angled handle with spike



Article no	Length mm	a mm	b mm	Weight g
7200001S	400	25	220	300

Gasket knife



Article no	Length mm	a mm	b mm	Weight g
7200002S	690	30	400	1200
7200003S	1240	40	800	2000

Nail puller



Article no	Length mm	● mm	Weight g
1610300S	300	14	400
1610450S	450	19	1100
1610600S	600	19	1500
1610750S	750	22	2500
1610900S	900	22	3000

Wrecking bar



Article no	Length mm	● mm	Weight g
1613000S	300	14	400
1614500S	450	19	1100
1616000S	600	19	1500
1617500S	750	22	2500
1619000S	900	22	3000

Pinch bar



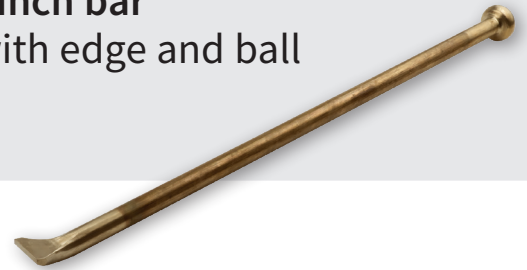
Article no	Length mm	● mm	Weight g
1600450S	450	19	1100
1600600S	600	19	1500
1600750S	750	22	2500
1600900S	900	22	3000
1601000S	1000	22	3300
1601250S	1250	27	6100
1601500S	1500	27	7300
1601800S	1800	30	11100
1602000S	2000	30	12300

Gasket knife with point and edge



Article no	Length mm	Ø mm	Weight g
1600001S	1000	30	6150
1600002S	1250	30	7700
1600003S	1500	30	9250
1600004S	1800	30	11100
1600005S	2000	30	12300

Pinch bar with edge and ball



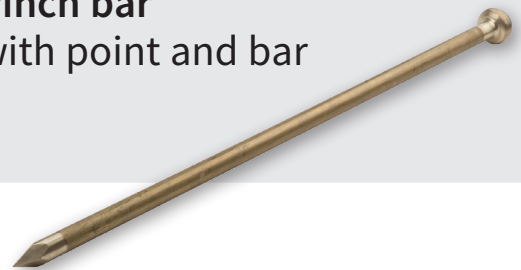
Article no	Length mm	Ø mm	Weight g
1600011S	1000	30	6150
1600012S	1250	30	7700
1600013S	1500	30	9250
1600014S	1800	30	11100
1600015S	2000	30	12300

Pinch bar with point and claw



Article no	Length mm	Ø mm	Weight g
1600006S	1000	30	6150
1600007S	1250	30	7700
1600008S	1500	30	9250
1600009S	1800	30	11100
1600010S	2000	30	12300

Pinch bar with point and bar



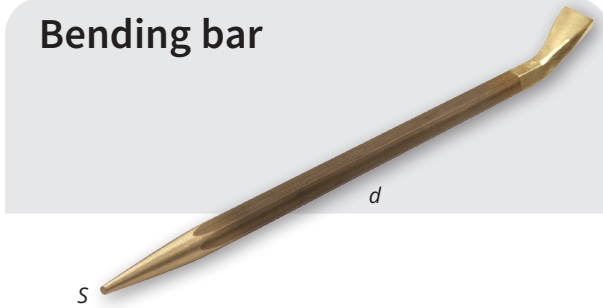
Article no	Length mm	Ø mm	Weight g
1600016S	1000	30	6150
1600017S	1250	30	7700
1600018S	1500	30	9250
1600019S	1800	30	11100
1600020S	2000	30	12300

Crow bar



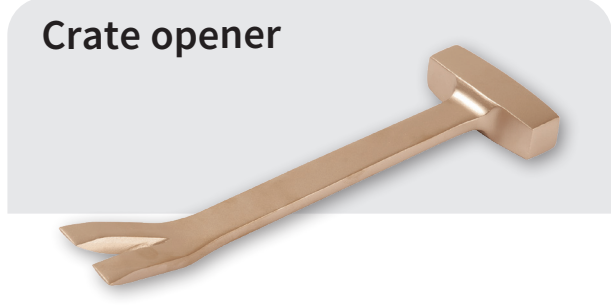
Article no	Length mm	□ mm	Weight g
1620650S	650	20 x 20	2000
1620800S	800	20 x 20	2700
1621000S	1000	20 x 20	3400
1621250S	1250	25 x 25	6200
1621500S	1500	25 x 25	7700

Bending bar



Article no	Length mm	S Ø mm	d Ø mm	Weight g
163200S	200	5	19	660
163300S	300	5	19	1000
163400S	400	5	19	1300
163500S	500	5	19	1600
163600S	600	5	19	2000

Crate opener



Article no	Length mm	Weight g
7240001S	230	455

Tyre levers



Article no	Length mm	Weight g
1630200S	200	350
1630305S	300	470
1630400S	400	600
1630500S	500	770
1630600S	600	900

Carbide drum opener



Article no	Length mm	Weight g
0203000S	300	750

Tyre lever heavy duty offset



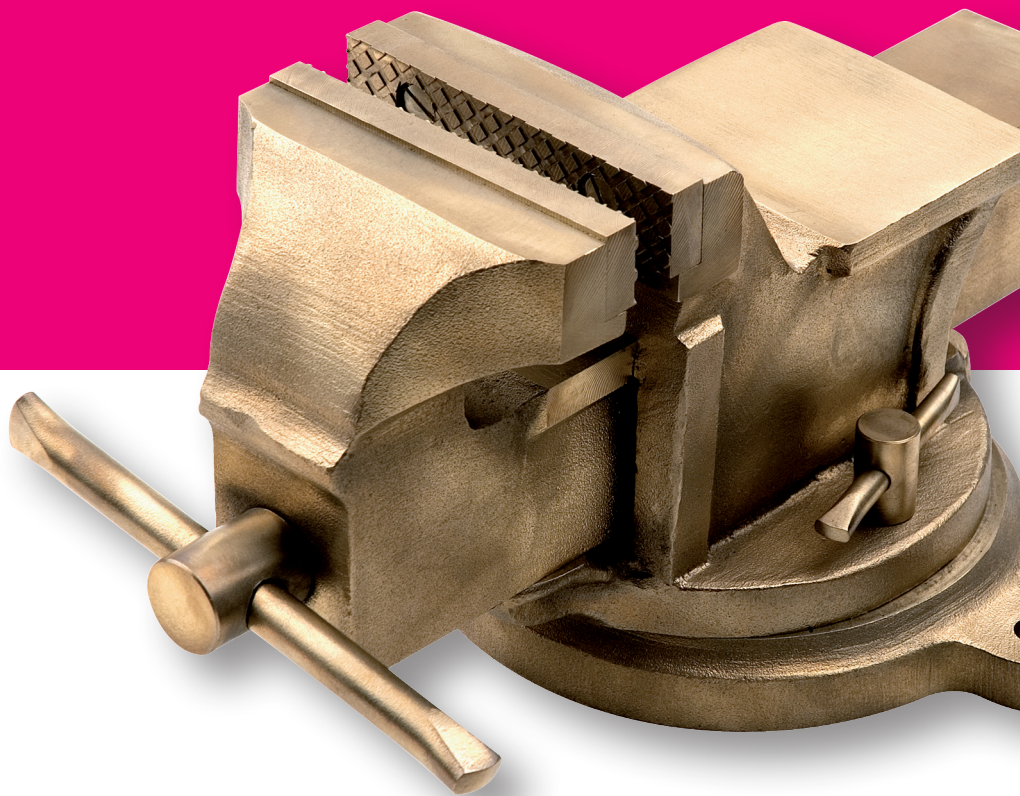
Article no	Length mm	Weight g
1630610S	600	1000

Barrel hook



Article no	Length mm	max. kg	Weight g
0920600S	1060	600	3800





**OTHER
HANDTOOLS**

Hacksaw frame



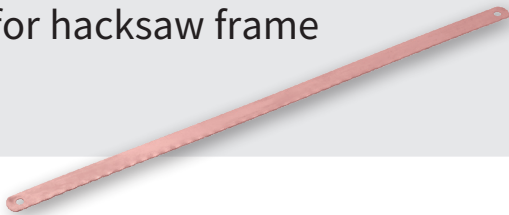
Article no	Length mm	Weight g
1100680S	560	900

Hand saw



Article no	Length mm	Weight g
1100681C	370	500

Hacksaw blade for hacksaw frame



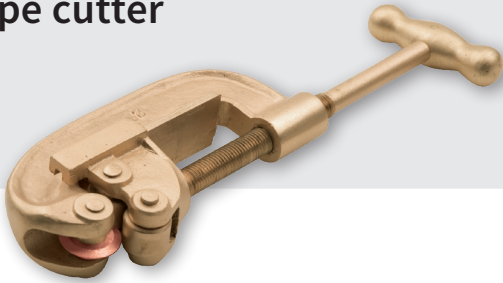
Article no	Length mm	Weight g
1110300C	300	30

Handsaw



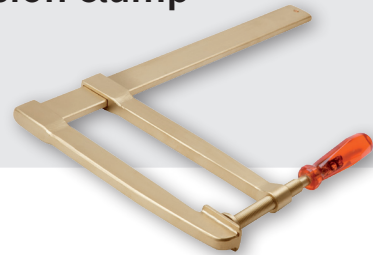
Article no	Length mm	Weight g
9991024C	700	770

Pipe cutter



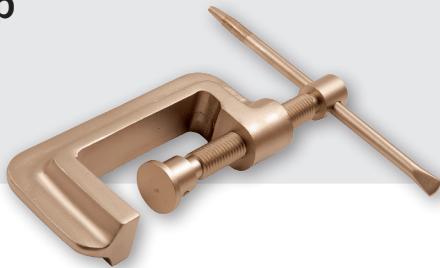
Article no	max Ø mm	Length mm	Weight g
771000S	50	430	2500

Deep tension clamp



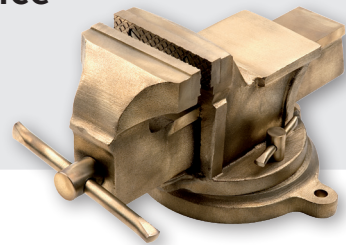
Article no	Throat depth mm	Length mm	Weight g
180002S	250	480	3700

Clamp



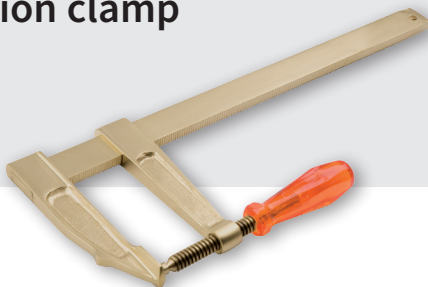
Article no	Throat depth mm	Length mm	Weight g
1800180S	80	180	3160
1800250S	120	250	4230
1800430S	270	430	13500

Parallel vice



Article no	Jaw width mm	Spread mm	Weight g
1560090S	90	100	6500
1560125S	125	130	15500
1560150S	150	150	26500
1560170S	170	170	27400

Tension clamp



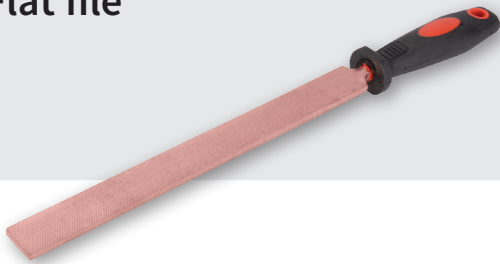
Article no	Throat depth mm	Length mm	Weight g
1800001S	130	480	2100

Bucket



Article no	Content l	Material	Weight g
7210001S	10	brass	1460
7210002S	12	aluminium	740

Flat file



Article no	Length mm	Cut	Weight g
1701265C	265	1	330
1703265C	265	3	330

Pocket caliper made of brass



Article no	Nonius mm	Length mm	Weight g
2110000S	$\frac{1}{20}$	150	165

Halfround file



Article no	Length mm	Cut	Weight g
1711260C	260	1	340
1713260C	260	3	340

Pocket caliper made of plastic



Article no	Nonius mm	Length mm	Weight g
2100000S	$\frac{1}{20} - \frac{1}{128}$	235	135

Round file

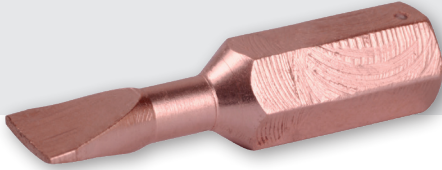


Article no	Length mm	Cut	Weight g
1721260C	260	1	175
1723260C	260	3	175



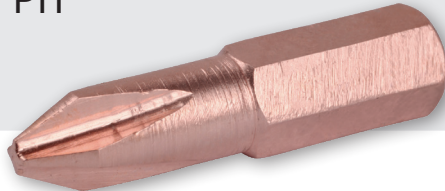
SPECIAL ARTICLES

Screwdriver bits slot



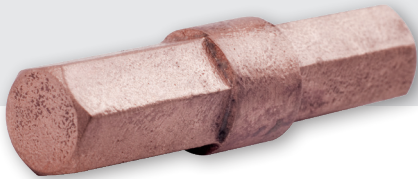
Article no	mm	Weight g
1264045C	4,5	5
1264065C	6,5	8
1264080C	8	10

Screwdriver bits PH



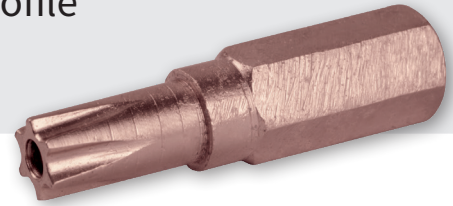
Article no	PH	Weight g
1264001C	1	5
1264002C	2	8
1264003C	3	10
1264004C	4	13

Screwdriver bits 6-point



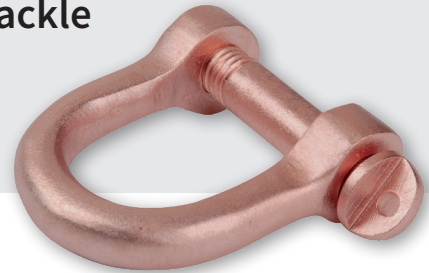
Article no	Size mm	Weight g
1264030C	3	4
1264040C	4	5
1264050C	5	5
1264060C	6	7
1264081C	8	8
1264100C	10	9

Screwdriver bits profile



Article no		Weight g
1264101C	T 10	5
1264102C	T 15	10
1264103C	T 20	20
1264104C	T 25	30
1264105C	T 27	35
1264106C	T 30	40
1264107C	T 40	55

Shackle



Article no	Dimensions mm	Weight g
1810002C	30 x 40	100
1810003C	37 x 78	150

Securing for hammers



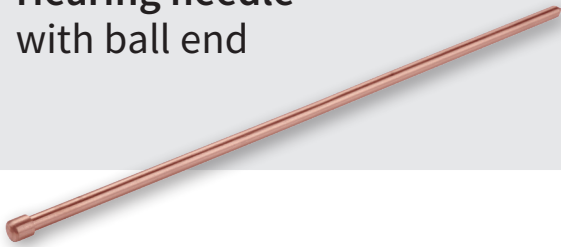
Article no	for weight
9991016S	up to 2 kg
9991017S	2 - 6 kg

Hearing needle



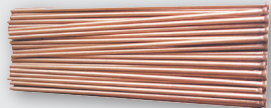
Article no	Ø mm	Length mm	Weight g
1810006C	6	250	85
1810007C	8	300	150
1810008C	7	400	160
1810009C	10	500	335

Hearing needle with ball end



Article no	Ø mm	Length mm	Weight g
1810005C	6	500	130

Needle



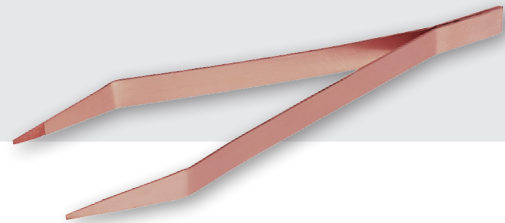
Article no	Ø mm	Length mm	Weight g
1810004C	3	180	15

Tweezer made of plastic



Article no	Length mm	Weight g
0731110S	100	15

Tweezer neat



Article no	Length mm	Weight g
0731111C	150	30

Tweezer flat nose



Article no	Length mm	Weight g
0731112C	100	30

Flange spreader



Article no	a	b	c	d mm	Length mm	Weight g
1860018S	60	60	80	46	300	7200

Draw knife



Article no	Cut width mm	Length mm	Weight g
7240004S	250	650	1500

Manual portable oil pump



Article no	Length mm	Weight g
9991057S	1350	5000

Drill bit



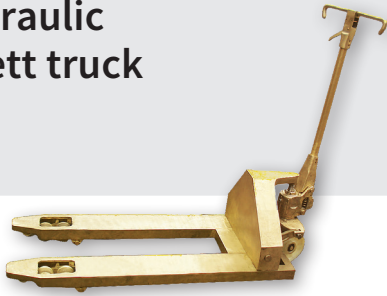
Article no	Ø mm	Length mm	Weight g
9991060C	6	100	20
9991061C	7	120	30
9991062C	8	140	50
9991063C	9	160	75
9991064C	10	180	100
9991065C	11	200	120
9991066C	12	220	170
9991067C	13	240	220
9991068C	14	260	280
9991069C	15	280	360
9991070C	16	300	440
9991071C	17	300	500
9991072C	18	320	600
9991073C	19	320	700
9991074C	20	330	800

Drill bit set 15 pcs



Article no	Content Ø mm	Weight g
9991075C	6/7/8/9/10/11/12/13/ 14/15/16/17/18/19/20	4000

Hydraulic palett truck



Article no		Weight g
9991081S	load capacity approx. 2000 kg length of gabs approx. 1100 mm length of guide bar approx. 1250 mm	132000

Chain hoist



Article no	lifting capacity in tons		Weight g
9991018S	0,5	2 chains á 2,5 m	10200
9991019S	1	2 chains á 2,5 m	13600
9991020S	1,5	2 chains á 2,5 m	15600
9991021S	2	2 chains á 2,5 m	22000
9991022S	3	2 chains á 3 m	23600
9991023S	5	2 chains á 3 m	36000
9991055S	10	2 chains á 3 m	68500
9991056S	16	2 chains á 3 m	187000





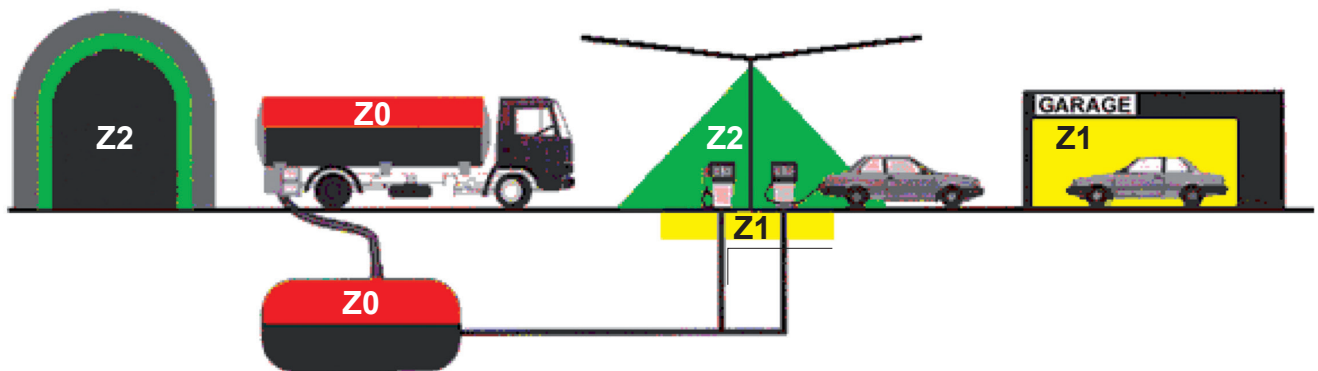
FLASH LIGHTS

Infos for Ex-protection

Explanation of the EX-characterization e.g. for 4AA-ES in Zone 1:

CE	Sign for the declaration of conformity of the supplier for the marked of the European Union
Ex	Ex in hexagonal means „explosion-proof“
II	Stands for ATEX-group II = for the mission outside of mines
2	Stands for
G	Tested for gases and smokes
D	Tested for dusts
Ex	For the new European standards tested apparatus for the use in explosive atmospheres
e	Stands for increased safety: The beginning of sparks, arcs or incorrect temperatures, which can act as ignition source, is avoided by additional action and an increased grade of safety
ib	Stands for intrinsic safety: The operating material which is used in explosion areas only have intrinsically circuits. A circuit is intrinsically, if a spark and no thermic effect appears, which can cause the spark ignition of a specified explosion atmosphere.
IIC	Gas-group (in this case „acetylene & hydrogen“)
T4	T (1, 2, 3, 4, 5, 6) is the temperature class of the lamp accordingly the maximum surface temperature of the reflector: T1 = 450° C, T2 = 300° C, T3 = 200° C, T4 = 135° C, T5 = 100° C, T6 = 85° C

Zone-definition



Zone 0	Danger of explosion is steadily or for long period existing, e.g. in the inside of gas tanks	In this zone you don't stay
Zone 1	Danger of explosion can happen (10 to 1000 hours a year), e.g. in the near of filling hatch	e.g. chemical industry
Zone 2	Danger of explosion can happen only in exceptional cases, e.g. manufacturing rooms in chemical industry	Normal operating condition

Torch UK 2AAA Penlight ATEX



Small, handy pen torch. Ideal for maintenance and inspection work wherever explosion protection is required. This small and lightweight torch can be carried in your pocket like a ballpoint pen using the clip attached to the housing, and is therefore ready for use at all times.

The lamp is available with a xenon or LED bulb. The xenon technology provides excellent luminance, and the LED version will provide light for an extremely long time with one battery charge. Both lamps are available with a rotating head switch or a rear switch. The rear switch ensures that the lamp can also be operated one-handed.

Features:

- 100% waterproof and dust-tight
- Extremely bright xenon bulb in pre-focussed quality reflector
- Rear switch or rotary head switch
- Complies with CENELEC (CE) requirements
- EEx-tested (Ex) in accordance with the latest European (ATEX) standards
- Explosion protection class: II 2G Ex ib e IIC T5

Technical data:

Alkaline batteries: 2 x AAA

Luminance: 12 lumen

Operating: 1.5-2 hrs.

Dimensions: 120 x 17 x 15 mm

Scope of delivery: Lamp with batteries, on blister

article no	Item	weight g
9219070S	with rotary head switch neon yellow	42
9219080S	with rear switch, neon yellow	42
9219020S	Spare reflector	5
9219005S	Optical fibre attachment	20
9241002S	Battery AAA/micro/LR03	15

Torch UK Mini Pocket Light



Extremely small and handy torch for keeping in your trouser pocket or on a key ring. Ideal for maintenance and inspection work, even if explosion protection is required. This small and lightweight torch can be attached to the peak of your cap, for example, using the provided clips, and will illuminate your working area without you having to use your hands.

The lamp is available with a xenon or LED bulb. The xenon technology provides excellent luminance and is ATEX certified, and the LED version will provide light for an extremely long time with one battery charge.

Both lamps can be switched on and off using the rotary head switch.

Features:

- 100% waterproof and dust-tight
- Extremely bright xenon bulb in pre-focussed quality reflector
- Rotary head switch
- Complies with CENELEC (CE) requirements
- EEx-tested (Ex) in accordance with the latest European (ATEX) standards
- Explosion protection class: II 2G Ex ib e IIC T5

Technical data:

Alkaline batteries: 2 x AAA

Luminance: 12 lumen

Operating: 1.5-2 hrs.

Dimensions: 75 x 26 x 15 mm

Scope of delivery: Lamp with batteries, key ring, belt clip on blister

article no	Item	weight g
9219045S	Xenon pocket light, neon yellow	37
9219020S	Spare reflector	5
9219005S	Optical fibre attachment	20
9241002S	Battery AAA/micro/LR03	15

Headlamp UK 3AAA LED ATEX VIZION [i]



Revolutionary new headlamp concept from UK. The removable and individually usable insert is the special highlight of this new lamp.

The lamp can be used in three modes using a rotating filter:

focussed, diffused and red light. The module can be used individually when working in difficult areas or used as a tent lamp or reading lamp. The lighting duration is extremely long at 150 hrs, which is achieved using a special method that utilises the heat of the LED lamp to preserve the battery. This also improves operation at extremely low temperatures. The lamp can be switched in two stages.

The extremely large switch can even be properly operated wearing thick gloves. The angle of the lamp on the head can also be properly adjusted using a large knob.

In order to secure the lamp to a helmet easily and securely, the lamp is equipped with a head band made from special rubber.

The rubber ensures that the head band cannot slip off a smooth surface such as helmets, but remains firmly anchored.

Features:

- White high-performance LED
- 100% waterproof and dust-tight up to 10 m
- 150 hours of constant brightness using the special electronics
- Rubberised on/off switch
- Complies with CENELEC (CE) requirements
- EEx-tested (Ex) in accordance with the latest European (ATEX) standards
- Explosion protection class: II 2G EX e ib IIC T4 / II 2D Ex ibD 21 T 98°C

Technical data:

Alkaline batteries: 3 x AAA

Luminance: 42 lumen

Operating: 150 hrs.

Dimensions: 74 x 37 x 46 mm

Scope of delivery: Headlamp with batteries, on blister

Article no	Item	Weight g
9219569S	Vizion [i] yellow	110
9219561S	Vizion [i] black	110
9241002S	Battery AAA/Micro/LR03	15

Work light UK 300 ATEX



The compact high-performance xenon work light with pressure relief valve that can withstand any professional requirement

The almost unbreakable plastic housing has a sprung and non-slip belt and jacket clip for quick and secure attachment to work clothing. A steel karabiner ring and a hand strap with fastener are also provided.

Features:

- rotating head switch
- Waterproof up to 3 m, and dust-tight
- Robust ABS housing
- Extremely bright xenon bulb in pre-focussed quality reflector
- Pressure compensation valve
- Non-conductive
- Corrosion resistant

Technical data:

Alkaline batteries: 3 x C

Luminance: 53 lumen

Operating: 4-5 hrs.

Dimensions: 191 x 54 x 49 mm

Scope of delivery: Lamp with batteries, in box

EEx-Schutz: Zone 1: 3806 II 2G Ex ib IIB T5

Article no	Item	Weight g
7700001S	UK 300, yellow	500
9241010S	Battery C/Baby/LR14	67
9219235S	Replacement reflector	20

Helmet and work light UK 3AA eLED CPO



Helmet and work light UK 4AA eLED CPO CPO



The high-end model from the UK 3AA model series. This lamp has all of the newly-developed technical features such as CPO (Compound Path Optics) and TRS (Thermal Recovery System).

Advantage of the (CPO) Compound Path Optics: Extremely efficient reflector technology in a confined space. The light of the extremely bright high-performance LED, which exits from the front, is first reflected back by a mirrored lens and then exits as a concentrated beam of light after being bundled by the reflector. Unwanted diffused light is therefore reduced to an absolute minimum. The spot remains clearly defined, but large enough to provide visibility in any situation.

Advantage of the (TRS) Thermal Recovery System: Modern high-performance LED's lose power as they become hotter. On the other hand, the performance of the batteries deteriorates as the temperature drops. UK has now transformed these two characteristics into a positive effect with the Heat Recovery System. The system ensures that the heat that is given off by the LED is led to the batteries.

The result: the light output of the LED's remains at the maximum level even for long periods, and the duration of use with batteries is increased by up to 10%! This is the most powerful lamp in the UK 3AA product range, with luminous power of 110 lumen. The lamp is equipped with a rubberised rear switch that is easy to operate with your thumb. In combination with its extremely bright light, this also makes the lamp an interesting alternative for security forces. Of course, this lamp also has the option of switching on and off by rotating the top of the lamp.

Features

- 100% waterproof and dust-tight up to 3 m
- LED life time approx 10.000 hrs
- Rubberised on/off switch
- Conductive
- Corrosion resistant
- Complies with CENELEC (CE) requirements
- EEx-tested (Ex) in accordance with the latest European (ATEX) standards
- Explosion protection class:
II 2G Ex eib IIC T6 / II 2D Ex ibD 21 T61°C

Technical data

Alkaline batteries: 3 x AA
Luminance: 110 lumen
Operating: 6-8 hrs.
Dimensions: 135 x 40 x 35 mm
Scope of delivery: UK 3AA CPO TS/ES on blister card, with 3 AA batteries (Mignon)

Article no	Item	Weight g
9222062S	UK 3AA eLED CPO TS/rear switch with reflective stripes	154
9222068S	UK 3AA eLED CPO ES/front switch with reflective stripes	154
9241006S	Battery AA/Mignon/LR6	20

The new high-end model from the UK 4AA model series. This lamp has all of the newly-developed technical features such as CPO (Compound Path Optics) and TRS (Thermal Recovery System).

Advantage of the (CPO) Compound Path Optics: Extremely efficient reflector technology in a confined space. The light of the extremely bright high-performance LED, which exits from the front, is first reflected back by a mirrored lens and then exits as a concentrated beam of light after being bundled by the reflector. Unwanted diffused light is therefore reduced to an absolute minimum. The spot remains clearly defined, but large enough to provide visibility in any situation.

Advantage of the (TRS) Thermal Recovery System: Modern high-performance LED's lose power as they become hotter. On the other hand, the performance of the batteries deteriorates as the temperature drops. UK has now transformed these two characteristics into a positive effect with the Heat Recovery System. The system ensures that the heat that is given off by the LED is led to the batteries.

The result: the light output of the LED's remains at the maximum level even for long periods, and the duration of use with batteries is increased by up to 10%! This is the most powerful lamp in the UK 4AA product range, with luminous power of 130 lumen.

The lamp is equipped with a rubberised rear switch that is easy to operate with your thumb. In combination with its extremely bright light, this also makes the lamp an interesting alternative for security forces. Of course, this lamp also has the option of switching on and off by rotating the top of the lamp. Features

- White high-performance LED
- 100% waterproof and dust-tight up to 3 m
- LED life time approx 10.000 hrs
- Rubberised on/off switch
- Conductive
- Corrosion resistant
- Complies with CENELEC (CE) requirements
- EEx-tested (Ex) in accordance with the latest European (ATEX) standards
- Explosion protection class: II 2G Ex eib IIC T4 / II 2D Ex ibD 21 T98°C

Technical data:

Alkaline batteries: 4 x AA
Luminance: 130 lumen
Operating: 8-10 hrs.
Dimensions: 157 x 40 x 35 mm
Scope of delivery: UK 4AA CPO TS/ES on blister card, with 4 AA batteries (Mignon)

Article no	Item	Weight g
9219516S	UK 4AA eLED CPO TS/rear switch with reflective stripes	180
9219517S	UK 4AA eLED CPO ES/front switch with reflective stripes	180
9241006S	Batterv AA/Mignon/LR6	20

Helmet and work light UK 4AA EN Xenon



Basic configuration. Low-cost, reliable xenon technology for good light output and rotating head switch for switching on and off. Pure functionality. Nothing else!

Technical data:

Luminance: 38 Lumen
 Operating: 4 - 5h
 Dimensions: 157 x 40 x 34 mm
 Scope of delivery: UK 4AA-EN on blister card with
 4 AA-Batteries (Mignon)
 Explosion protection class: II 2G EX e ib IIC T4
 II 2D Ex ibD 21 T 98° C

Article no	Item	Weight g
9222036S	EN Xenon	154
9222042S	Spare reflector UK4AA ES/EN/ET	10
9241006S	Battery AA/Mignon/LR6	20

Holster for UK 3AA and 4AA



Article no	Item	Weight g
9219130S	Holster	50

Helmet and work light UK 4AA eLED Zoom S/T



The new improved version of the well-tried UK 4 AA eLED Zoom. Additional light efficiency by means of a much-improved highperformance LED and the improved explosion protection class emphasise this product's claim to be the standard in its performance class. The UK 4 AA eLED Zoom can now be ordered with either the welltried front switch or the new rear switch (model T). This makes it an excellent lamp for security forces. Of course, this lamp also has the option of switching on and off by rotating the top of the lamp.

Technical data:

Luminance: 90 Lumen
 Operating: 10,5h
 Dimensions: 172 x 40 x 37 mm
 Scope of delivery: UK 4 AA eLED Zoom S/T on blister card
 4 AA-Batteries (Mignon)
 Explosion protection class: Zone 1: II 2G EX e ib IIC T4
 II 2D Ex ibD 21 T 98° C

Article no	Item	Weight g
9222002S	S, front switch, neon yellow	180
9222008S	T, rear switch, neon yellow	180
9222014S	Spare reflector	25
9241006S	Battery AA/Mignon/LR6	20

Universal helmet clip



Article no	Item	Weight g
9219125S	Helmet clip	60

UK 4AA ES/ET Xenon



The best seller. The most frequently sold and widely used helmet lamp. Low-cost, reliable xenon technology for extremely good light efficiency. This light now also has improved explosion protection and an optional rear switch (ET model). Of course, both the rear switch and the front switch version can also be switched on and off using the rotating head. With individual lettering on request.

Technical data:

Luminance: 38 Lumen

Operating: 4 - 5h

Dimensions: 157 x 40 x 34 mm

Scope of delivery: UK 4AA-ES/ET on blister card with 4 AA-Batteries (Mignon)

Explosion protection class: Zone 1: II 2G EX e ib IIC T4
II 2D Ex ibD 21 T 98°C

Article no	Item	Weight g
7700002S	ES, rear switch, neon yellow	154
9222020S	ES, front switch, neon yellow	154
9222026S	ET, rear switch, neon yellow	154
9222042S	Spare reflector UK4AA ES/EN/ET	10
9241006S	Battery AA/Mignon/LR6	20

HAND SPOT LIGHT Eisemann HS 4 Ex



Features:

- Robust impact resistant polyamide housing
- Portable lamp for use in zones 1 and 2
- Explosion proof to II 2 G EEX ib e IIC T4
- Snap-on with eye
- Maintenance free lead-acid battery
- Increased, folding handle
- Microprocessor controlled charging technology with battery indicator
- With powerful halogen bulb
- Thread breakage detection (automatic switchover to economy lamp)
- Save of deep discharge
- Flashlight with head lamp
- Possible outside the hazardous area emergency light charger

Technical data:

Luminance: 9500 cd

Main lamp: halogen 4V, 2W, 500 mA, E10

Saving lamp: bulb 3.7 V, 1.1 W, 300 mA, E10

Battery: Lead-acid battery, maintenance free, 4V, 3.5 Ah

Operating time: approximately 6-7 hours

Dimensions: 104 x 72 x 320 mm

Scope of delivery:

1 x portable lamp HS 4Ex

1 x charger

1 x battery

1 x each orange and colorless prism-Washers

1 x cable 230V

1 x cable 12/24

Article no	Item	Weight g
9219261S	HS4 Ex with battery and charger	2300





TOOL CASES & TOOL SETS

Tool boxes made of Polypropylen*

(without content)



Article no	H x B x T mm	accessories	Weight g
9282020S	170 x 425 x 215	dividing wall	1400
9282021S	190 x 475 x 240	6 inserts	1600
9282022S	250 x 475 x 240	6 inserts 2 drawer	2100
9282023S	230 x 540 x 295	7 inserts, dividing walls 2 integrated handle	2200
9282024S	290 x 540 x 295	7 inserts, dividing walls 2 drawers	2500
9282025S	260 x 620 x 310	10 inserts, dividing wall	3000
9282026S	320 x 620 x 310	10 inserts, dividing wall 4 drawers	3300

Machinist' tool kit

(without picture)

Article no	Content	Weight g
7250005S	1 Double open end wrench set 6-32 mm 1 Adjustable end wrench 250 + 300 mm 1 Combination plier 200 mm 1 Waterpump plier 250 mm 1 Swedish plier 1.1/2" 1 Diagonal cutting plier 165 mm 1 Machinist' hammer 500 + 1000 g 1 Flat chisel 200 + 300 mm 1 Screwdriver 4,5x100 + 8x150 mm 1 Cross slot screwdriver PH 1 + 2 1 Spatula flexible blade 50 mm 1 Wire brush 4-rows in tool box made of Polypropylen* 260 x 620 x 310 mm	14000

HAZMAT tool kit

(without picture)

Article no	Content	Weight g
7250007S	1 Wire brush 4-rows 1 Crate opener 1 Claw hammer 500 g 1 Knife, strong pattern 1 Spatula stiff blade 50 mm 1 Waterpump plier 300 mm 1 Longnose plier 180 mm 1 Combination plier 200 mm 1 Deck scraper with handle 380 mm 1 Spray booth scraper 1 Screwdriver 8x150 mm 1 Cross slot screwdriver PH 3 1 Tin snip 1 Adjustable end wrench 200 + 300 mm 1 Adjustable pipe wrench 385 mm 1 Universal bung wrench in plastic bucket	9100

Marine kit

(without picture)

Article no	Content	Weight g
7250001S	1 Nail puller 900 mm 1 Adjustable end wrench 250 + 300 + 380 mm 1 Machinist' hammer 500 + 1000 g 3 Scaling hammer 500 g 1 Sledge hammer 2000 g 3 Deck scraper 300 mm 3 Scraper 100 mm 3 Ship scraper 100 mm 1 Screwdriver 10x200 + 10x300mm 2 Square point shovel with D-handle 1 Flat chisel 150 + 250 mm 1 Adjustable pipe wrench 300 + 385 mm in tool box made of wood 1300 x 900 x 280 mm	66000

*Polypropylene is a material distinguished by its corrosion resistance, low weight, and high durability. This ma

Spray booth kit

(without picture)

Article no	Content	Weight g
7250004S	1 Claw hammer 500 g 1 Scraper 100 mm 1 Deck scraper 300 mm 1 Spray booth scraper 1 Screwdriver 10x200 mm 1 Flat chisel 300 mm in tool box made of Polypropylen* 170 x 425 x 215 mm	5000

Spray booth cleaning kit

(without picture)

Article no	Content	Weight g
7250009S	1 Spatula stiff blade 50 + 90 mm 1 Spatula flexible blade 90 mm 1 Flat scraper 200 mm 1 Pick scraper 1 Deck scraper 300 mm 1 Spray booth scraper 1 Scraper 100 mm 1 Wire brush 4-rows in tool box made of Polypropylen* 230 x 540 x 295 mm	4100

Fire brigade kit I

(without picture)

Article no	Content	Weight g
7250002S	1 Firemens ´ axe 915 mm 1 Hatchet 450 mm 1 Flat chisel 250 mm 1 Machinist ´ hammer 900 g 1 Adjustable end wrench 300 mm 1 Adjustable pipe wrench 460 mm 1 Waterpump plier 250 mm 1 Screwdriver 10x200 mm 1 Tin snip 280 mm 1 Railroad pick 2150 g 1 Square point shovel with D-handle 1 Crow bar 800 mm 1 Sledge hammer 2000 g in tool box made of wood 1300 x 600 x 160 mm	37000

Fire brigade kit II

(without picture)

Article no	Content	Weight g
7250003S	1 Adjustable end wrench 300 mm 1 Adjustable pipe wrench 460 mm 1 Machinist ´ hammer 600 g 1 Flat chisel 200 mm 1 Waterpump plier 250 mm 1 Screwdriver 10x200 mm 1 Hatchet 450 mm in tool box made of Polypropylen* 260 x 620 x 310 mm	9000

Technician's Toolbox

(without picture)

Article no	Content	Weight g
7250006S 44-tlg.	1 Combination wrench 10/11/12/13/14/15/ 17/19/22/24 mm 1 Double end box wrench 6x7/8x9/10x11/12x13/14x17/19x22 mm 1 Hex key set 2/2,5/3/4/5/6/8/10 mm 1 Combination plier 200 mm 1 Diagonal cutting plier 180 mm 1 Waterpump plier 250 mm 1 Swedish plier 1.1/2" 1 Adjustable end wrench 250 + 300 mm 1 Machinist 'hammer 500 g 1 Sledge hammer 1000 g 1 Screwdriver 6x100 + 8x150 mm 1 Cross slot screwdriver PH 1 + 3 1 Flat chisel 200 mm 1 Cape chisel 6-point 200 mm 1 Punch 5x120 + 10x160 mm 1 Scissors 225 mm 1 Knife, strong pattern 1 Spatula stiff blade 50 mm 1 Wire brush 4-rows in tool box made of Polypropylen* 260 x 620 x 310 mm	12700

*Polypropylene is a material distinguished by its corrosion resistance, low weight, and high durability. This material is UV-stabilized, impact-resistant, and ideal for handling aggressive substances such as oil absorbents. Ölbindemitteln.

Tool Set ETS 36
with case and 4 inserts
Copper-beryllium
Spark-free and non-magnetic

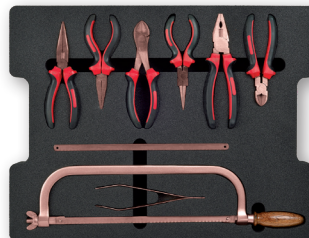
Article no	Content	Weight g
7250013C		19000
36-pcs		
Insert 1:	1 Flat tweezers 200 mm 1 Hacksaw 560 mm with Saw blade 1 Saw blade 300 mm 1 Combination plier 200 mm 1 Diagonal cutting plier 165 + 180 mm 1 Longnose plier 180 mm 1 Round nose plier 160 mm 1 Flat nose plier 160 mm	
Insert 2:	1 Adjustable end wrench 150 + 300 mm 1 Adjustable pipe wrench 385 mm 1 Machinist hammer 700 g 1 Sledge hammer 1000 g 1 Flat chisel 150 + 250 mm 1 Crowbar 450 mm 1 Nail puller 450 mm 1 Waterpump plier 300 mm	
Insert 3:	1 Scribing needle 190 mm 1 Knife 180 mm 1 Utility scissors 220 mm 1 Spatula 30 mm starr 1 Wire brush 4-rows 1 Screwdriver 3x75 + 4,5x100 + 6x100 + 8x150 + 10x200 mm 1 Angle screwdriver 6x130 + 7x130 + 10x140 mm 1 Cross slot screwdriver PH 1 + 2 + 3 + 4	
Insert 9:	without tools in tool box Made of ultra-high-impact ABS plastic 755 x 500 x 250 mm	

Tool Set ETS 36
without case and inserts
Copper-beryllium
Spark-free and non-magnetic

Article no	Content	Weight g
7250012C	Same as Item No. 7250013C	10400
36-pcs	without case or inserts, tools only	



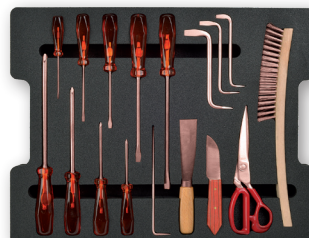
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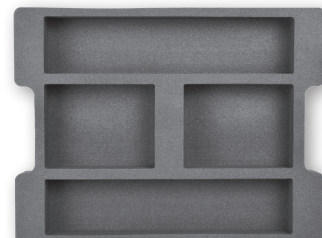
Insert 2



Insert 3



Insert 9



Tool Set ETS 63

with case and 4 inserts

Copper-beryllium

Spark-free and non-magnetic

Article no	Content	Weight g
7250015C		28500

63-pcs

Insert 5: 1 Sheet metal shear 280 mm, strong pattern

1 Triangular scraper 200 mm

1 Flat scraper 200 mm

1 Pincers 200 mm

1 Combination plier 200 mm

1 Diagonal cutter 165 mm

1 Longnose plier 180 mm

1 Round nose plier 120 mm

1 Flat nose plier 120 mm

1 Waterpump plier 250 mm

Insert 6:

1 Screw clamp 100x180 mm

1 Cross cut chisel 200 + 300 mm

1 Adjustable hook spanner
32-75 + 50-120 + 115-170 mm

1 Flat chisel 150 mm

1 Sledge hammer 1000 g

1 Machinist´ hammer 300 g

1 Adjustable pipe wrench 385 mm

Insert 7:

1 Centre punch 4x110 mm

1 Drift punch

2x110 + 4x120 + 6x140 + 8x150 mm

1 Cotter pin punch 2 + 4 + 6 + 8 mm

1 Scribing needle 190 mm

1 Knife 180 mm

1 Wire brush 4-rows

1 Screwdriver

4,5x100 + 6x100 + 8x150 + 10x200 mm

1 Cross slot screwdriver PH 1 + 2 + 3

1 Angle mandrel 300x100 mm

1 Flexible handle 1/2"x 250 mm

1 Socket 6-point 1/2"x 10 mm

Insert 8:

1 Pin wrench 6-point

1,5/2/2,5/3/4/5/6/8/10 mm

1 Double end box wrench

6x7 / 8x9 / 10x11 / 12x13 / 14x15 /

16x17 / 18x19 / 20x22 / 21x23 /

24x27 / 25x28 / 30x32 mm

in tool box

Made of ultra-high-impact ABS plastic

755 x 500 x 250 mm

Tool Set ETS 63

without case and inserts

Copper-beryllium

Spark-free and non-magnetic

Article no	Content	Weight g
7250014C	Same as Item No. 7250015C	19900

63-pcs

without case or inserts, tools only



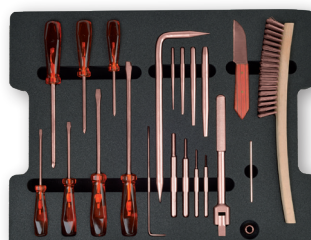
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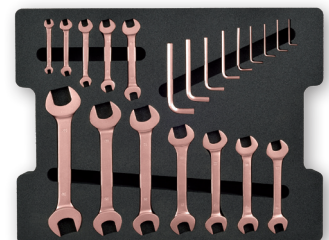
Insert 6



Insert 7



Insert 8



Tool Set ETS 85

with case and 4 inserts

Copper-beryllium

Spark-free and non-magnetic

Tool Set ETS 85

without case and inserts

Copper-beryllium

Spark-free and non-magnetic

Article no	Content	Weight g
7250017C		27000

85-pcs	Content
Insert 1:	1 Pincers 200 mm, flat 1 Hacksaw 560 mm with Saw blade 1 Saw blade 300 mm 1 Combination plier 200 mm 1 Diagonal cutting plier 165 + 180 mm 1 Round nose plier 180 mm 1 Round nose plier 160 mm 1 Flat nose plier 160 mm

Insert 2:	Content
	1 Adjustable end wrench 150 + 300 mm 1 Adjustable pipe wrench 385 mm 1 Machinist hammer 700 g 1 Sledge hammer 1000 g 1 Flat chisel 150 + 250 mm 1 Crowbar 450 mm 1 Nail Lifter 450 mm 1 Waterpump plier 300 mm

Insert 3:	Content
	1 Scribing needle 190 mm 1 Knife 180 mm 1 Utility scissors 220 mm 1 Spatula 30 mm stiff 1 Wire brush 4-rows 1 Screwdriver 3x75 + 4,5x100 + 6x100 + 8x150 + 10x200 mm 1 Angle screwdriver 6x130 + 7x130 + 10x140 mm 1 Cross slot screwdriver PH 1 + 2 + 3 + 4

Insert 4:	Content
	1 Pin wrench 6-point 1,5/2/2,5/3/4/5/6/8/10 mm 1 Pin wrench (Inch) 6-point $1/16 - 5/64 - 3/32 - 1/8 - 5/32$ $3/16 - 7/32 - 1/4 - 5/16 - 3/8 - 1/2$ 1 Reversible ratchet 1/2" 1 Sliding T-bar 1/2"x 320 mm 1 Universal joint 1/2" 1 Extension bar 1/2" 100 + 200 mm 1 Sockets 6-point 1/2" 10/11/12/13/14/15/17/19/22/24/27/30 mm 1 Sockets 6-point 1/2" (Inch) $7/16 - 1/2 - 9/16 - 5/8 - 11/16 - 3/4 - 13/16$ $7/8 - 15/16 - 1 - 1.1/16 - 1.1/8$ in tool box Made of ultra-high-impact ABS plastic 755 x 500 x 250 mm

Article no	Content	Weight g
7250016C	Same as Item No. 7250017C	18400
85-pcs	without case or inserts, tools only	



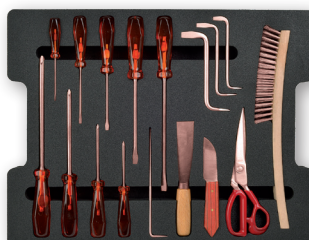
Insert 1



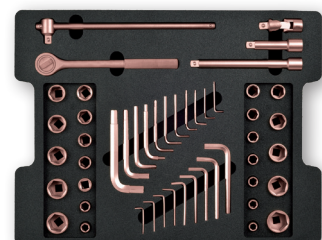
Insert 2



Insert 3



Insert 4



Technical Information

Use of non-sparking tools, their properties and proper handling

There are many different, partly erroneous views both on the fundamental questions of spark safety and on the use, properties, and handling of non-sparking tools. The most important aspects are therefore highlighted below in order to provide even non-specialists with as accurate a picture as possible of the potential hazards and how to properly control them.

This information is intended solely as practical guidance. The more complex physical and technological issues cannot be dealt with in detail here.

1. Various gas-air mixtures can be ignited by sparks, such as those produced when striking with conventional steel tools, and may lead to explosions. These include, in particular, mixtures of air with carbon disulfide, hydrogen, acetylene, ethylene oxide, carbon monoxide, and hydrogen sulfide. To counter the risk of explosion when such mixtures are present or may form, the generation of ignitable sparks must be avoided under all circumstances. The use of non-sparking tools is an essential measure for this purpose, but not the only one; it must be sensibly supplemented by additional precautions.

Non-sparking tools, such as ELORA safety tools, are made of special copper-based alloys which—unlike steel—do not produce ignitable sparks when subjected to impact or friction.

The tools themselves are absolutely spark-safe under all conditions encountered in practical use.

2. However, under particularly unfavorable conditions, ignitable sparks may still be produced indirectly even when using a non-sparking tool. This can occur when working on rusty steel surfaces, and the risk is significantly increased if an aluminum coating is present. The detachment of spark-generating particles from metallic or mineral surfaces (e.g., concrete) when using a non-sparking tool becomes more likely the greater the difference in hardness between the tool and the material being worked on.

It follows that non-sparking tools must be made from alloys that are as soft as possible. However, this requirement is limited by the working hardness necessary for each specific tool. This means that, for example, a chisel cannot dispense with higher hardness, whereas a hammer, wrench, or lever bar can very well be made from softer mate-

rial. The guidelines applied in the manufacture of ELORA safety tools are consistent with these principles.

3. Since, under certain circumstances as mentioned, the risk of explosion cannot be completely eliminated by using non-sparking tools alone, additional precautions may be necessary to achieve the highest possible level of safety. In particular, rusty surfaces or those coated with light-metal paint should be moistened with oil or water during work, if the rust or coating cannot be removed beforehand. Adequate ventilation of the work area and the room must be ensured. In some cases, the use of a work tent to protect against external influences may also be advisable. Containers, equipment, and pipelines may need to be filled with inert gas under certain conditions. Furthermore, care must be taken to ensure that sparks are not generated by falling objects or workpieces; as a precaution, the floor should therefore be dampened. Work clothing should likewise not contain any iron parts, especially no hobnails, heel irons, or similar items. To achieve maximum safety, all these points must be strictly observed.
4. A particular characteristic of non-sparking tools is that, due to the materials used, they are more sensitive than steel tools. Therefore, such tools must be handled more carefully and gently than usual during use. If signs of wear occur, it is advisable to service the tools in good time. Each tool should also only be used for its intended purpose—for example, chisels should not be used as pry bars, nor ordinary wrenches as striking tools. ELORA safety tools require only minimal measures during reworking. Regrinding should preferably be carried out wet in order to prevent loss of hardness. Non-sparking tools made of copper-beryllium, such as spatulas, screwdrivers, pliers, etc., must under no circumstances be reground in the same way as steel tools, for various reasons. If heated above 250 °C, the functional properties of the copper-beryllium alloy are largely lost, and the tool will then only retain the hardness of copper, effectively making it unusable. Therefore, these tools should only be ground wet. Wet grinding also prevents the formation of copper-beryllium dusts or vapors, the inhalation of which can be harmful to health. However, under normal use, copper-beryllium tools are safe. Careful attention to these guidelines is recommended for every user of non-sparking tools, as this not only ensures maximum safety but also guarantees the longest possible service life of the tools.

Reworking

In order to properly and successfully rework ELORA safety tools, it is first necessary to clearly identify the alloy from which the tool is made.

Tools made of special bronze have a yellowish color (variations in surface color may occur due to atmospheric influences, chemicals, or heating), whereas tools made of copper-beryllium have a more reddish color and are usually stamped with the alloy designation, e.g. "CuBe".

1. Tools made of ELORA metal can be reworked by forging, restorative welding processes, and machining.
These reworking operations should preferably be carried out at our facility, since after completing the processes described in points "a" and "b", a hardness test—and in some cases even re-hardening of the tools—is required.
 - a) Forging is carried out in the temperature range between 785 °C and 900 °C, with the optimal forging temperature being approximately 880 °C. The temperature limits must be strictly observed; otherwise, no special precautions are necessary. However, the parts must not be quenched, but should be allowed to cool slowly in air.
 - b) Build-up welding or repair welding is performed using welding filler materials of the same composition as the base material.
 - c) No special precautions are required for machining operations either. The same machining tools and equipment can be used as for steel hand tools. Regrinding work should be carried out with adequate cooling (e.g. water).
2. Tools made of CuBe must be reworked with great care and caution. In particular, it must be noted that dust or fumes from copper-beryllium are toxic and can cause health damage.
Furthermore, copper very easily—and in some cases completely—loses its alloy properties when overheated, so that the material then only retains the properties of ordinary copper.
 - a) Reforging tools or parts made of CuBe cannot be generally recommended, as the forging process, in combination with subsequent heat treatment, requires many years of experience. Please consult us to determine whether forging is feasible in specific cases.
 - b) During machining operations, particularly grinding, careful cooling must be ensured, and temperatures exceeding 250 °C must be avoided under all circumstances.
The machining tools must have a rake angle of approximately 0° when machining is carried out in the hardened condition.

IMPORTANT NOTE for regrinding safety tools made of copper-beryllium: Beryllium is a metal classified as a hazardous substance under workplace safety regulations!

This particularly applies to dusts and fumes that may arise during melting, grinding, and welding. There is no danger if grinding is carried out wet. If this is not possible in exceptional cases, the following measures must be observed:

Do not inhale dust (use a mask)
Avoid contact with skin and eyes
Wear protective clothing
In case of dust or fume formation, wear effective respiratory protection equipment

WARRANTY

30-YEAR WARRANTY AGAINST MATERIAL AND MANUFACTURING DEFECTS.

DAMAGE RESULTING FROM IMPROPER HANDLING IS EXCLUDED FROM THIS WARRANTY. WE RESERVE THE RIGHT TO MAKE CHANGES TO MATERIALS, WORKMANSHIP, AND DESIGN.



ALWAYS READY

Our current general terms and conditions are available for you on our website www.ELORA.de.

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ELORA WERKZEUGFABRIK GMBH

Am Blaffertsberg 33, 42899 Remscheid
Tel.: +49 (0)2191.5627 - 0
Fax.: +49 (0)2191.5627 - 19
info@elora.de

www.elora.de

