

X-Spark®

Non-sparking, Non-magnetic
Corrosion resistant tools

2026



Products die forged made by large double disks friction press machine (300T-2500T)
Produced by

X-Spark®

HEBEI BOTOU SAFETY TOOLS CO., LTD

2026

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Non-Sparking, Non-magnetic
Corrosion resistant tools

X-Spark®



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2026.01.18

INTRODUCTION

Hebei Botou Safety Tools (Groups) Co., Ltd., established in 1983, lies in BOTOU city of China and hold registered capitals RMB151.8 million. It is specialized in manufacturing Non-sparking tools and High Quality Special steel hand tools and occupies 150,000 m², among 100,000 m² buildings.

We have over 390 items, over 18000 specifications in Non-sparking tools. There is two kinds of material, Beryllium Copper alloy and Aluminium Bronze. And all productions are satisfied 100% under testing of JIS M7002-96 of Japan and GB 10686-89 of China. These tools can avoid to rise sparking when tools strike, rub or collide with target in explosive atmosphere or flammable vapours and widely used in oil and gas works, petro-chemical plants, explosive manufactories, mines, shipyards, pipeline construction, armed forces, pharmacy, airports and many others.

Now our High quality special steel tools have over 60 ranges of products, over 1200 specifications. All the products accordance with GB/T4388- 4393-1995 of national standard and the design of striking spanner according to DIN7444 and DIN 133 of Germany standard.

The Titanium alloy tools is die forged making from Titanium alloy material. Extremely non magnetic, corrosion resistant, lightweight, hard durable, it is the most perfect special tools in aviation, spaceflight, iatrology, magnetic field which can not be replaced by the other material tools. This kind of material products is extremely difficult to produce and extremely hard to machine, but the titanium tools must be used prior as it distinguishable properties, in some high- tech industries.

We have produced some new items like the Stainless steel tools, Insulated tools, Brass tools, HBT908 (original J892) special for acetylene, Titanium Copper alloy tools, Rawhide Hammers etc.

After researching and practising for several years, we have mastered the absolute process skill and technology how to produce and machine this material, as well as we have the precision equipment. Now we have the good capability to offer you many series and specifications of Titanium Tools. At present, our products are sold widely in abroad market, such as America, Japan, Germany, France, England, Singapore, Korea, Denmark, India, Iran, Kuwait, U.A.E, Russia, Pakistan, Australia, Turkey, Saudi Arabia, Taiwan, Hongkong and many other countries. And gained good and broad reputation because of the fine quality, competitive price and our honest dealings and good services.

In 1996, the company won the International Gold Award in the Second International Trade Fair of New Technology and Famous Products.

In 1998, with special approval the enterprises gained the foreign trade rights by the People's Republic of China.

In 2000, Botou factory gained all over the ISO9001 Certificate of Registration and UKAS Certificate of Conformity of Product.

In 2002, the company edited the national standard (GB) of Non-sparking safety tools, the same year the company be granted the framer of the national standard of Non-Sparking Safety Tools.

In 2003, the company gained ISO 9001:2000 Certificate of Registration.

In 2004, the products which are of high and new-technology were joined to torch project of People's Republic of China

In 2008, our brand be approved "China Famous Brand". In the same year, the company gained the ISO14001 Certificate and be approved "National High and New Tech Enterprises".

In 2009, the company is ranked in Domestic and International Tools & Hardware Fifteen Strong. And the same year, gained the GS Certificate of TUV Certification company.

In 2010, the company gained the FM Certificate of U.S.A.

In 2011, the company gained 《Export Quality Allowed Certificate》.

In 2012, the company gained 《International Standard Used Certificate》.

In 2013, the company was awarded Top 10 Well-known Enterprise of China Hand Tools as well as Famous Brand Enterprise of China Hand Tools.

In 2014, the company was awarded AAA credit enterprise GOC and CCCME.

In 2015, company successfully public listing on the stock market, the same year Non-Sparking Tools Testing Center of Shanghai Tools Industry Research Institute in Hebei Zhongbo, was founded successfully.

In 2016, company passed the military secrecy qualification certification, awarded approval to establish three-level defense measure technology institution by the National Defense Science and Technology Industry Bureau. The same year, we gained the VDE certificate in Germany for Insulated tools according to IEC60900 standard.

In 2017, company passed the BAM certificate in Germany for both of Beryllium Copper alloy and Aluminium bronze non-sparking tools.

In 2018, the Testing Center of Hebei Botou Safety Tools gained the laboratory accreditation certificate by the China National Accreditation Service for Conformity (CNAS).

In 2019, the company was recognized as "Top 100 Supplier" by CPCIF (China Petroleum and Chemical Industry Federation), and was awarded the "Visiting Professor" certificate issued by Institute of Industry Development Research, China Academy of Management Sciences.

In 2020, the company won the honorary certificate of "key recommended supplier of petrochemical industry in 2020" issued by China Petroleum and Petrochemical Engineering Research Association.

In 2021, the company had been recognized as "Specialized, Disruptive, Innovative and Prominent" the Little Giant by the Ministry of Industry and Information Technology of the People's Republic of China.

In 2022, the company's industrial design center was identified as the provincial industrial design center, the company was approved by the Hebei Province Safety Tool Industry Technology Research Institute, the company won the Customs AEO advanced certification enterprise certificate, the company won the industrial cluster "Front Runner" enterprise.

In 2023, the company's non-sparking tools laboratory passed the CMA qualification recognition and the national light industry non-sparking tools quality supervision and testing Center was successfully attached to the group company.

In 2024, the company was recognized as a provincial international science and technology cooperation demonstration enterprise.

According to the needs of users, we have set up 36 distributors in China and 12 agents in the US, Japan, Europe, Singapore, Russia, Kazakhstan, South America, the Middle East and Taiwan, and are responsible for after-sales service, which is trusted by the Majority of users.

All staff sincerely welcome friends home and abroad with keen interest to contact and visit us for the long partnerships.



WORK SITE

FORGING WORKSHOP



PRECISION CASTING WORKSHOP

HEAT TREATMENT



PROCESSING WORKSHOP

PRECISION FORGING MACHINE



MOULD WORKSHOP

TOP QUALITY
LEADING IN THE WORLD

WORK SITE
CHEMICAL LAB



NATIONAL TESTING CENTER
INTERNATIONAL APPROVAL

DROPPED HAMMER TESTING OF NON-SPARKING PERFORMANCE
FRICTION TESTING OF NON-SPARKING PERFORMANCE

Non-sparking Safety Tools;

1. Aluminium Bronze Non-sparking Safety Tools

Standard No.: GBEx II B

Hardness: HB229-291

Breaking: δ b75-85kgf/mm²

2. Beryllium Copper alloy Non-sparking Safety Tools

Standard No.: GBEx II C

Hardness: HB283-365

Breaking: δ b105-120kgf/mm²

WORK SITE

Die Forging Workshop



Automatic Production Line



Machining Workshop



Remedy Workshop



CNC Workshop



Site of Sand Treatment Workshop







International Trademark Registration



1- ATEX DIRECTIVES

regulations and standards in order to enhance safe working conditions and practices. Europe is one of the Many governments are gradually developing legislations, regions that is leading the way with the development of a legislation (Directive 1999/92/EC) that defines the requirements for working safely in hazardous environments. According to the Directive 1999/92/EC, and the EN 1127 norm it cites, standard steel tools are considered a source of ignition and hence a hazard in the presence of an explosive atmosphere. The Directive prohibits any source of ignition in such classified areas, and it declares hand tools as a source of mechanical sparks; so hand tools should be carefully selected avoiding or reducing the generation of risky sparks.. The EN 1127 norm specifies that steel tools can never be used in Zones 0/20; never in 1/21 or 2/22 if there is a group IIC gas in the atmosphere; and never in any classified area if the tools used create sparks during the normal use (chisels, hammers, files, etc.). (The Directive defines 3 different zones as shown in Figure 1.)

2- USE OF NON-SPARKING TOOLS

Non-Sparking tools are tools that generate low energy sparks, always below the ignition energy of the hazardous substances (gas or dust) present in the environment. Non-Sparking tools are therefore called so whenever the sparks caused are always below lower ignition limit, and thus safe to use in explosive environments.

Considering that the ignition energy is different for different types of gases, gases are classified into four main groups as show in the following table:

Explosion group	Class of temperature (maximum surface temperature allowed)					
Temperature of ignition	T1 (450 °C)	T2 (300 °C)	T3 (200 °C)	T4 (135 °C)	T5 (100 °C)	T6 (85 °C)
I	Acetylene	n-butyl acetylene	Acetylene	Acetylene	Acetylene	Acetylene
IIA (Energy of ignition higher than 0.18 mJ)	Acetylene Acetylene Benzene Ethylacetylene Isobutane Propylene Toluene	n-butyl acetylene n-butane 1-butene Propylene Isopropyl acetylene	Acetylene Acetylene Gas of heating oil n-butane	Acetylene		
IIB (Energy of ignition between 0.08 & 0.18 mJ)	Hydrogen acetylene Coal gas (lighting gas)	1,3-butadiene 1,4-dioxane Ethylene Ethylene oxide	Diethyl ether Ethyl glycol Hydrogen sulphide	Diethyl ether		
III (Energy of ignition less than 0.08 mJ)	Hydrogen fluoride gas (CO+H ₂)	Acetylene			Carbon disulphide Chloro nitrate	

groups (I,IIA,IIB, IIC). Cu-Be tools are also harder and more resistant than AlBron tools, and hence last longer if used frequently or demanding. The following tables provide a summary of the exact composition and benefits of Al-Bron and Cu-Be tools: Cu-Be tools are the safest ones since they can be used in all groups (I,IIA,IIB, IIC). CuBe tools are also harder than Al-Bron tools, and hence last longer.

CONCEPT	Cu-Be
Hardness	283-366 Brinell
Magnetism	Non ferrous substance in its composition makes it safer when non-magnetic applications are required
Durability	Much higher due to the higher hardness and tensile strength. Higher efforts can be made
Price	Higher price due to the special raw material used

CONCEPT	Al-Bron
Hardness	229-251 Brinell
Magnetism	Minimum ferrous component makes them not 100% non-magnetic, although its low magnetic makes it appropriate for non critical non-magnetic applications
Durability	Not as much as Cu-Be
Price	Around 35% lower price

Copper-Beryllium Alloy		
Composition	Be	1.8%-2%
	Ni+Co	0.2%-1.2%
	other	<0.5%
	rest	Cu
Hardness	283-366 Brinell	
Tensile Strength	1250 N/mm ²	

Aluminium-Bronze Alloy		
Composition	Al	10%-12%
	Ni	4%-6%
	Fe+Mn	<0.5%
	other	<0.5%
	rest	Cu
Hardness	229-251 Brinell	
Tensile Strength	900 N/mm ²	

HBT908

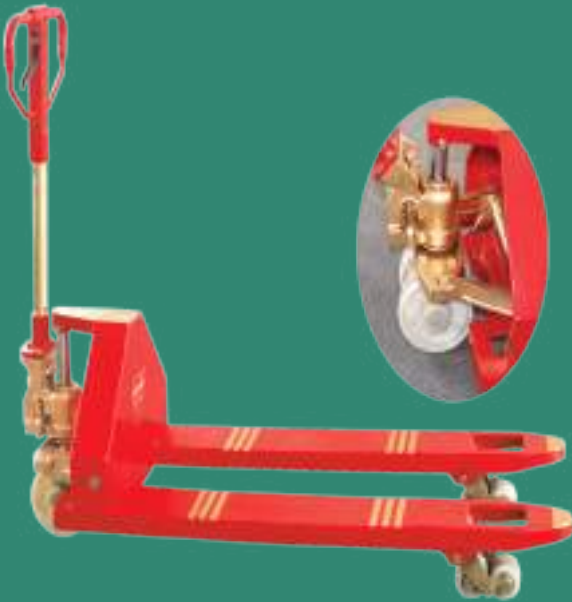
HEBEI BOTOU SAFETY TOOLS offers the widest range of non-sparking tools in both Al-Bron and Cu-Be alloys. We have also developed tools made out of ACETILEX alloy, indispensable when there is acetylene gas in the environment. In the presence of acetylene gas, copper and acetylene react to form highly explosive acetylides. Considering that both Cu-Be and Al-Bron alloys have a high content of copper in their composition, Cu-Be or Al-Bron alloys are not safe. Tools made out of ACETILEX should therefore be used instead.

Figure 1

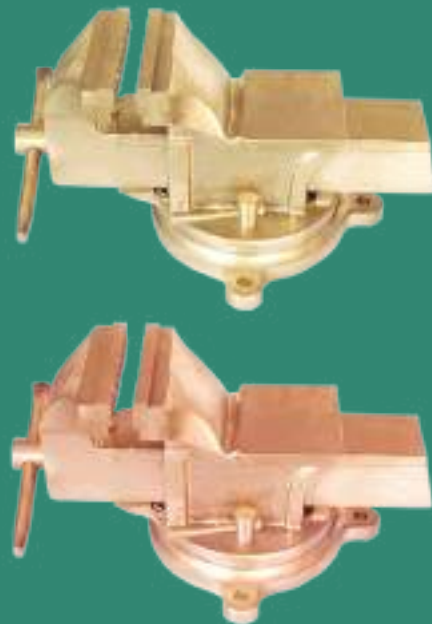


ZONE 0/20	Danger is always present, for a long time or frequently.
ZONE 1/21	Danger is occasionally present.
ZONE 2/22	Danger is seldom present or present for a short time.

Hydraulic Pallet Truck



Parallel Vice



Chain Hoist



Chain Hoist With Trolley



Content

Non sparking Tools

A		Socket Set:101001-101015-----P1-P5
		Socket:102001-107024-----P5-P28
A1		Socket:107025-110481-----P28-P46
		Accessories:111001-124009-----P46-P52
B		Adjustable Wrench\Pipe Wrench:125001-131037—P53-P58
		Combination Wrench:132001-137031-----P58-P62
		Open End\Striking Wrench:138001-147063———P62-P74
		Box End Wrench:148001-165090-----P74-P96
B1		Hex Key\Valve Wrench:166001-179025----P97-P108
		Ratchet Wrench:180001-183058-----P109-P112
C		Hammers:184001-197004-----P113-P121
		Shovels:198001-201022-----P122-P124
D		Knife\File\Scraper:202001-221005-----P125-P131

Content

Non Sparking Tools

D1



Punch\Chisel\Bar:222001-228002----P131-P138



Punch\Chisel\Bar:228003-241001-----P139-P154

E



Shears\Pliers:242001-258007----P155-P162

F



Screwdriver & Bit:259001-266017-----P163-P170

G



Container\Lifting Machinery:267001-332013---P171-P187



Container\Lifting Machinery:267001-332013---P171-P187



Container\Lifting Machinery:267001-332013---P171-P187



Container\Lifting Machinery:267001-332013---P171-P187

G1



Cordless Impact Wrench:333001-----P188-P188

H



Tools Set:501001-569001-----P189-P200



Tools Set:501001-569001-----P189-P200

H1



Leaking Stoppage Tools:601001-606001---P201-P202

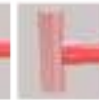
H2



Forcible Entry Tools:607001-610001---P203-P206

Content

Brass Hammers & Copper Hammers

I	    	Brass & Copper Hammer:2101001-2212002---P207-P214
	    	Brass & Copper Hammer:2101001-2212002---P207-P214

Steel Tools

J	    	Open End Wrench:3301001-3305085-----P215-P223
	    	Combination Wrench\Striking Wrench:3306001-3319026---P223-P246
J ₁	    	Bra Pinch\Valve Handle\Hex Key Wrench:3320001-3331040---P247-P255
	    	Socket & Accessories:3332001-3344005----P255-P270
	    	Ratchet Wrench\Flange Wedge:3345001-3350009---P271-P272
J ₂	    	Socket Set\Pliers\Aviation Snips:3361001-3392004--P273-P278

Titanium Tools

K	    	Titanium Tools:5101001-5707002----P279-P298
	    	Titanium Tools:5101001-5707002----P279-P298
	    	Titanium Tools:5101001-5707002----P279-P298
	    	Titanium Tools:5101001-5707002----P279-P298

Content

Insulated Tools

L



Non-Sparking Insulated Tools:6101001-6606001--P299-P304



Non-Sparking Insulated Tools:6101001-6606001--P299-P304

L1



Insulated Tools:7101001-7608003--P305-P318



Insulated Tools:7101001-7608003--P305-P318



Insulated Tools:7101001-7608003--P305-P318

Stainless Steel Antimagnetic Tools

N



Combination Wrench\Striking Wrench\Open End Wrench
8101001-8106018-----P319-P324



Striking\Box Wrench:8107001-8114012-----P324-P327



Adjustable Wrench\Pipe Wrench:8115001-8119003---P327-P329



Hex Key\Ratchet Wrench:8120001-8132002---P329-P334

N1



Screwdriver\Pliers:8201001-8319002---P335-P341



Hammers\Pick Railroad\Shovel:8401001-8415009---P341-P343



Socket & Accessories:8501001-8517029----P343-P348

Content

Stainless Steel Antimagnetic Tools

N1



Bar\Scraper\Parallel Vice:8601001-8607027-----P349-P350

Knife\Container\File:8608001-8627001-----P350-P354

Aluminium Product & Static Product

O



Aluminium Product\Anti-static Product:9101001-9210001---P355-P357

Brass Tools

Q



Brass Tools:1010101-1030201-----P359-P362

Steel Torque Wrench Plug

R



Steel Crow Foot Wrench:1110101-1130610-----P363-P366

Rawhide Hammer

S



Rawhide Hammer:1210101-1270804-----P367-P370

HBT908 Special For Acetylene

T



HBT908(Original J892):1310101-1350208---P371-P376



HBT908(Original J892):1310101-1350208---P371-P376

Titanium Copper Alloy Non-Sparking Tools

U



Titanium Copper Alloy:1510101-1560208---P377-P382

Non-Sparking Torque Wrench Plug

V



Non-Sparking Crow Foot Wrench:1610101-1612704---P383-P388

HEBEI BOTOU SAFETY TOOLS CO., LTD.

ZBFB20100101

Quality Guarantee

We guarantee to our customers as below:

1. We will repair or replace the products free of charge from defects in material and workmanship under normal use, against receipt.
2. All the products are manufactured strictly in accordance with Germany DIN Standard and National Standard, and successfully certified by TÜV Rheinland, FM Approvals and ISO 9001 Quality System Certification.
3. We guarantee all products we manufactured are 100% qualified and backed by Lifetime Warranty for:
 - a. Non-sparking tools: Non spark properties of material.
 - b. Titanium tools: Non magnetic properties of material.

Exceptions:

1. Defects or damage resulting from mis-use, abuse, improper use or normal service wear.
2. Corrosion, rusting, peeling or surface scratch due to improper storage. Damage of the plastic handle or packing material like cartons, plastic case, paper card, etc. due to overuse.
3. Specific products stipulated by the company.

If you have any query with the terms and conditions, or didn't get satisfactory service from the authorized distributors, please visit our website at www.safetytools.com.cn for more information.

The company reserves the right of final interpretation for the above content.



Socket Set P1-P52



(GB/T10686、ISO Standard)



Non-sparking Safety Tools:

1. Aluminium Bronze Non-sparking Safety Tools

Standard No.: GB Ex IIB

Hardness: HB229-291

Breaking: δ b75-85kgf/mm²

2. Beryllium Copper Alloy Non-sparking Safety Tools

Standard No.: GB Ex IIC

Hardness: HB283-365

Breaking: δ b105-120kgf/mm²



Socket Set P1-P5

① 101001-101015

101001 1/4"Dr Socket Set 11Pcs



G.W.:Be-Cu 710g Al-Cu 690g

Contents

1/4" Dr Socket:
4mm,4.5mm,5mm,
5.5mm,6mm,7mm,
8mm;1/4" Driver Type Handle;Stubby Slotted
Screwdriver;Stubby Phillips Screwdriver;
Tool Case

101003 3/8"Dr Socket Set-11pcs



G.W.: Be-Cu 1740g Al-Cu 1650g

Contents

3/8" Dr Socket :10mm、11mm、12mm、
13mm、14mm、17mm、19mm
13/16" Spark Plug Socket
Ratchet Wrench: 3/8"*200mm (Straight Joint);
Driver Extension: 3/8"*75mm
Tool Case

101005 1/2"Dr Socket Set 10Pcs



G.W.: Be-Cu:2000g Al-Cu:1890g

Contents

1/2" Dr Socket : 10mm、11mm、12mm、
14mm、17mm、19mm、22mm、24mm
Offset Handle: 1/2" * 230mm
Tool Case

101002 1/4"Dr Socket Set-12pcs



G.W.: Be-Cu 740g Al-Cu 720g

Contents

1/4" Dr Socket :4mm、5mm、6mm、7mm、
8mm、9mm、10mm、11mm、12mm、
13mm。
1/4" Driver Type Handle
Tool Case

101004 1/4"*3/8"Dr Socket Set-21pcs



G.W.: Be-Cu 2130g Al-Cu 2000g

Contents

1/4" Dr Socket :4mm、4.5mm、5mm、5.5mm、
6mm、7mm、8mm;
Ratchet Wrench: 3/8" * 200mm(Straight Joint) ;
Driver Extension: 3/8" *75mm,3/8" *150mm; 3/8"
driver : 10mm、11mm、12mm、13mm、14mm、
17mm、19mm; 13/16" Spark Plug Socket;
Adaptor: 3/8" *1/4" ; Driver Type Handle: 1/4"
Tool Case

101006 1/2"Dr Socket Set 13Pcs



G.W.: Be-Cu 3390g Al-Cu 3180g

Contents

1/2" Dr Socket : 8mm,10mm,11mm,12mm,
14mm,17mm,19mm,22mm,24mm,27mm
Ratchet Wrench:1/2" * 245mm
Hinged Handle: 1/2" *250mm
Tool Case

101007 1/2"Dr Socket Set 17Pcs



G.W.: Be-Cu 6730g Al- Cu 6355g

Contents

1/2" Dr Socket: 10mm,11mm,12mm,14mm
17mm,19mm,22mm,24mm,27mm,30mm,32mm
Ratchet Wrench: 1/2" *245mm
Sliding T Handle: 1/2" * 250mm
Speed Handle: 1/2" * 400mm
Driver Extension: 1/2" * 125mm,1/2" * 250mm
Tool Case

101009 1/2"Dr Socket Set 28Pcs



G.W.: Be-Cu 9050g Al -Cu 8520g

Contents

1/2" Dr Socket : 10mm,11mm,12mm,13mm,14mm
15mm,16mm,17mm,18mm,19mm, 20mm,21mm
22mm,23mm,24mm,26mm,27mm, 28mm,30mm
32mm; Ratchet Wrench: 1/2" * 245mm
Sliding T Handle: 1/2" * 250mm;
Speed Handle: 1/2" * 400mm
Driver Extension: 1/2" * 125mm,1/2" * 250mm
Universal Joint: 1/2" ; Screwdriver Socket:
1/2" ; Tool Case

101011 3/4"Dr Socket Set 15Pcs



Be-Cu:13240g Al-Cu:12350g

Contents

3/4" Dr Socket: 21mm,24mm,27mm,30mm,32mm
34mm,36mm,38mm,41mm,46mm,50mm
Ratchet Wrench: 3/4" * 320mm
Sliding T Handle: 3/4" * 400
Driver Extension: 3/4" * 200mm
Tool Case

101008 1/2"Dr Socket Set 25Pcs



G.W.: Be-Cu 7370g Al- Cu 7270g

Contents

1/2" Dr Socket : 10mm,11mm,12mm,13mm,
14mm,15mm,16mm,17mm,18mm,19mm,20mm,
21mm,22mm,23mm,24mm,27mm,30mm,32mm
Ratchet Wrench: 1/2" * 245mm
Sliding T Handle: 1/2" * 250mm
Speed Handle: 1/2" * 400
Driver Extension: 1/2" * 125mm,1/2" * 250mm
Universal Joint: 1/2" ; Tool Case

101010 1/2"Dr Socket Set 32Pcs



G.W.: Be-Cu 8980g Al- Cu 8390g

Contents

1/2" Dr Socket : 8mm,9mm,10mm,11mm,12mm
13mm,14mm,15mm,16mm,17mm,18mm,19mm
20mm,21mm,22mm,23mm,24mm,26mm,27mm
28mm,30mm,32mm; 13/16" Spark Plug Socket
Ratchet Wrench:1/2" * 245mm;
Sliding T Handle:1/2" * 250mm; Speed Handle:
1/2" * 400mm
Driver Extension: 1/2" * 125mm,1/2" * 250mm
Universal Joint: 1/2" ; Screwdriver Socket:
1/2" ;
Offset Handle: 1/2" * 230mm ; Tool Case

101012 3/4"Dr Socket Set 21Pcs

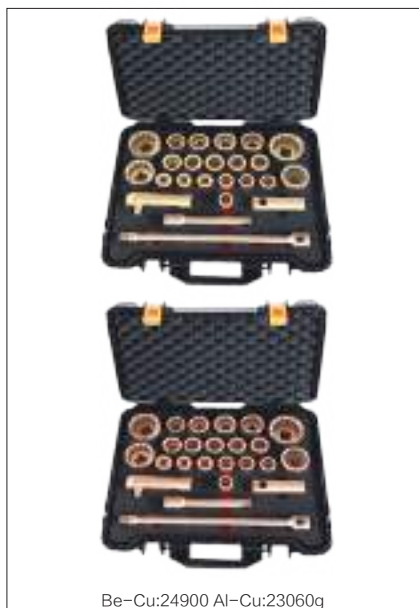


G.W.: Be-Cu 15270g Al- Cu 14200g

Contents

3/4" Dr Socket :21mm,22mm,23mm,24mm,
26mm, 27mm,28mm,29mm,30mm,31mm,32mm,
34mm,36mm,38mm,41mm,46mm,50mm
Ratchet Wrench:3/4" * 320mm;
Sliding T Handle: 3/4" * 400mm
Driver Extension:3/4" * 200mm
Tool Case

101013 3/4"1"Dr Socket Set 27Pcs



Be-Cu:24900 Al-Cu:23060g

Contents

3/4" Dr Socket :21mm,22mm,23mm,24mm,26mm,27mm,28mm,29mm,30mm,31mm,32mm,34mm,36mm,38mm,41mm,46mm,50mm
1" driver : 55mm,60mm,65mm
Ratchet Wrench: 3/4" *160mm;
Sliding T Handle: 3/4" *400
Driver Extension: 3/4" *200mm,3/4" *430mm
Flex Ball Joint: 3/4" *120mm ;
Sliding T Handle: 3/4" *1" ;Tool Case

101015 3/4"Dr Socket Set 19Pcs



G.W.: Be-Cu:14500g Al-Cu:13500g

Contents

3/4" Dr Socket :21mm,22mm,23mm,24mm,26mm,27mm,28mm,29mm,30mm,31mm,32mm,34mm,36mm,38mm,41mm,46mm
Driver Extension:3/4" *200;
Ratchet Wrench:3/4" *320
Brass Tool Case

Socket P5-P28

② 102001-107024

101014 1"Dr Socket Set 19Pcs

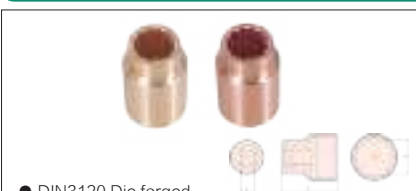


Be-Cu 24900g Al-Cu 24850g

Contents

1" Dr Socket :30mm,31mm,32mm,34mm,36mm,38mm,41mm,46mm,50mm,55mm,60mm,65mm,70mm,75mm,80mm; Sliding T Handle: 3/4" *1"
Driver Extension: 1" *200mm;Flex Ball Joint: 1" *120mm
Tool Case

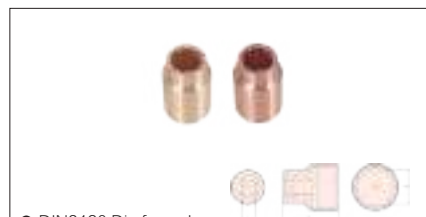
102 Socket 12 Point (C=1/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
102001	4	25	15	13
102002	4.5	25	15	13
102003	5	25	15	13
102004	5.5	25	15	13
102005	6	25	15	13
102006	7	25	19	17
102007	8	25	20	18
102008	9	25	22	20
102009	10	25	22	20
102010	11	25	31	28
102011	12	25	31	28
102012	13	25	31	28
102013	14	25	31	28
102014	15	25	41	37

102 Socket 12 Point (C=1/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
102015	10	27	40	36
102016	12	27	40	36
102017	14	27	40	36
102018	15	27	41	37
102019	16	27	43	38
102020	17	27	45	40
102021	18	27	51	45
102022	19	27	61	46
102023	20	27	73	65

102 Socket 12 Point (C=1/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
102024	14	32	80	75
102025	17	32	87	78
102026	19	32	94	84
102027	22	32	101	90
102028	24	32	117	115

102 Socket 12 Point (C=1/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
102029	24	38	179	160
102030	27	38	185	165
102031	30	38	233	208
102032	32	38	252	225

102 Socket 12 Point Inch (C=1/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
102033	5/32	25	13	12
102034	3/16	25	15	14
102035	13/64	25	16	15
102036	7/32	25	17	15
102037	1/4	25	17	15
102038	9/32	25	17	15
102039	5/16	25	21	19

102 Socket 12 Point Inch (C=1/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
102040	11/32	26	21	19
102041	3/8	26	21	19
102042	13/32	26	30	27
102043	7/16	26	31	28
102044	15/32	26	31	28
102045	1/2	26	31	28

102 Socket 12 Point Inch (C=1/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
102046	17/32	28	26	24
102047	9/16	28	32	29

102 Socket 6 Point (C=1/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
102048	3	25	15	13
102049	3.5	25	15	13
102050	4	25	17	15
102051	4.5	25	17	15
102052	5	25	17	15
102053	5.5	25	17	15
102054	6	25	17	15
102055	6.5	25	17	15
102056	7	25	17	15
102057	8	25	27	15
102058	9	25	27	15
102059	10	25	22	20
102060	11	25	22	20
102061	12	25	29	26
102062	13	25	29	26
102063	14	25	35	31
102064	15	25	41	37
102065	16	25	41	37

102 Socket 6 Point (C=1/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
102066	12	27	36	33
102067	13	27	36	33
102068	14	27	38	34
102069	15	27	41	37
102070	16	27	41	37
102071	17	27	41	37
102072	18	27	51	46
102073	19	27	61	55
102074	20	27	75	68

102 Socket 6 Point (C=1/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
102075	21	32	88	79
102076	22	32	91	82
102077	23	32	111	99
102078	24	32	113	101
102079	25	32	121	108

102 Deep Socket 12 Point (C=1/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
102080	10	50	75	67
102081	15	50	91	82
102082	17	50	104	93

102 Deep Socket 12 Point Inch (C=1/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
102083	5/16	50	48	43
102084	3/8	50	53	48
102085	7/16	50	56	50
102086	1/2	50	58	54
102087	5/8	50	64	56

102 Socket 6 Point Inch (C=1/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
102097	3/8	27	26	23
102098	7/16	27	27	24
102099	1/2	27	28	25
102100	9/16	27	31	28

102 Socket 6 Point Inch (C=1/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
102088	1/8	25	11	10
102089	5/32	25	13	12
102090	3/16	25	15	14
102091	13/64	25	17	15
102092	7/32	25	17	15
102093	1/4	25	17	15
102094	9/32	25	17	15
102095	5/16	25	21	19
102096	3/8	25	24	22

102 Deep Socket 6 Point (C=1/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
102101	10	50	58	52
102102	13	50	58	52
102103	20	50	91	81

103 Socket 12 Point (C=3/8")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
103001	4	28	31	28
103002	5	28	31	28
103003	5.5	28	31	28
103004	6	28	31	28
103005	7	28	31	28
103006	8	28	41	37
103007	9	28	41	37
103008	10	28	46	41
103009	11	28	47	42
103010	12	28	48	43

103 Socket 12 Point (C=3/8")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
103011	6	32	43	39
103012	7	32	45	41
103013	8	32	47	42
103014	9	32	49	44
103015	10	32	51	46
103016	11	32	51	46
103017	12	32	51	46
103018	13	32	51	46
103019	14	32	51	46
103020	15	32	61	55
103021	16	32	61	55
103022	17	32	61	55
103023	18	32	61	55
103024	19	32	61	55
103025	20	32	61	55
103026	21	32	61	55

103 Socket 12 Point (C=3/8")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
103027	21	35	96	87
103028	22	35	99	89
103029	23	35	116	104
103030	24	35	116	104
103031	25	35	125	113
103032	26	35	139	125

103 Socket 12 Point (C=3/8")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
103033	27	38	170	153
103034	28	38	176	160
103035	29	38	181	165
103036	30	38	195	177
103037	32	38	220	200

103 Socket 12 Point Inch (C=3/8")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
103038	1/4	28	38	34
103039	5/16	28	41	37
103040	3/8	28	37	33
103041	7/16	28	52	46

103 Socket 12 Point Inch (C=3/8")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
103042	7/16	32	52	46
103043	29/64	32	52	46
103044	15/32	32	52	46
103045	1/2	32	52	46
103046	9/16	32	57	51
103047	5/8	32	57	51
103048	11/16	32	63	56
103049	3/4	32	91	81

103 Socket 12 Point Inch (C=3/8")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
103050	13/16	35	100	89
103051	7/8	35	111	99
103052	15/16	35	122	109
103053	1	35	158	141

103 Socket 12 Point Inch (C=3/8")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
103054	1-1/16	38	199	177
103055	1-1/4	38	260	232
103056	1-3/8	38	322	287

103 Deep Socket 12 Point (C=3/8")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
103057	14	62	100	89
103058	17	62	132	118
103059	19	62	163	145
103060	22	62	202	180

103 Deep Socket 12 Point (C=3/8")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
103061	3/8	60	84	75
103062	1/2	60	100	89
103063	5/8	60	139	125
103064	3/4	60	157	143

103 Socket 6 Point (C=3/8")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
103065	5	28	33	30
103066	6	28	33	30
103067	7	28	33	30
103068	8	28	33	30
103069	9	28	36	33
103070	10	28	36	33
103071	11	28	36	33

103 Deep Socket 6 Point (C=3/8")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
103072	20	60	114	104
103073	22	60	138	124
103074	24	60	240	218

103 Deep Socket 6 Point (C=3/8")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
103075	24	70	269	245
103076	27	70	284	265

103 Deep Socket 6 Point Inch (C=3/8")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
103077	3/8	60	130	118
103078	7/16	60	142	129
103079	1/2	60	142	129
103080	9/16	60	142	129
103081	5/8	60	147	134
103082	11/16	60	147	134

103 Deep Socket 6 Point (C=3/8")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
103083	17	55	93	87
103084	18	55	103	92
103085	19	55	107	96

103 Socket 6 Point Inch (C=3/8")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
103086	7/16	32	58	52
103087	1/2	32	58	52
103088	9/16	32	65	58
103089	19/32	32	65	58
103090	5/8	32	65	58
103091	11/16	32	71	63
103092	3/4	32	71	63

103 Socket 6 Point Inch (C=3/8")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
103093	13/16	35	97	89
103094	7/8	35	112	102
103095	15/16	35	122	111
103096	1	35	131	119

103 Socket 6 Point (C=3/8")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
103097	10	32	58	52
103098	11	32	58	52
103099	12	32	58	52
103100	13	32	58	52
103101	14	32	65	58
103102	15	32	65	58
103103	16	32	65	58
103104	17	32	65	58
103105	19	32	77	69

103 Socket 6 Point (C=3/8")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
103106	22	35	95	85
103107	24	35	121	108

103 Socket 6 Point Inch (C=3/8")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
103108	1/4	28	34	31
103109	9/32	28	34	31
103110	5/16	28	36	33
103111	11/32	28	36	33
103112	3/8	28	41	37

104 Socket 12 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
104001	5	40	74	66
104002	5.5	40	74	66
104003	6	40	74	66
104004	7	40	86	77
104005	8	40	86	77
104006	9	40	86	77
104007	10	40	86	77
104008	11	40	86	77
104009	12	40	86	77
104010	13	40	86	77
104011	14	40	86	77
104012	15	40	97	87
104013	16	40	97	87
104014	17	40	97	87

104 Socket 12 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
104015	18	42	97	87
104016	19	42	103	92
104017	20	42	120	107
104018	21	42	114	102
104019	22	42	131	117

104 Socket 12 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
104020	23	44	137	122
104021	24	44	154	138
104022	25	44	188	165
104023	26	44	188	165

104 Socket 12 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
104024	27	46	223	198
104025	28	46	223	198
104026	29	46	246	219
104027	30	46	249	222
104028	31	46	249	222
104029	32	46	263	235

104 Socket 12 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
104030	34	50	401	361
104031	35	50	403	363
104032	36	50	404	364
104033	38	50	466	420

104 Socket 12 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
104034	40	55	476	428
104035	41	55	497	447
104036	42	55	513	462

104 Socket 12 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
104037	45	60	577	501
104038	46	60	726	653
104039	48	60	755	679

104 Socket 12 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
104040	50	65	766	689
104041	55	65	942	848
104042	58	65	1246	1121

104 Socket 12 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
104043	55	70	1120	1008
104044	60	70	1270	1143

104 Socket 12 Point Inch (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
104045	1/8	40	79	72
104046	7/32	40	80	73
104047	1/4	40	83	75
104048	9/32	40	85	77
104049	5/16	40	86	77
104050	11/32	40	86	77
104051	3/8	40	86	77
104052	13/32	40	86	77
104053	7/16	40	86	77
104054	15/32	40	86	78
104055	1/2	40	86	78
104056	17/32	40	86	78
104057	9/16	40	86	78
104058	19/32	40	91	82
104059	5/8	40	91	82
104060	21/32	40	97	87
104061	11/16	40	97	87
104062	23/32	40	109	97

104 Socket 12 Point Inch (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
104063	3/4	42	109	97
104064	13/16	42	126	112
104065	7/8	42	126	122
104066	15/16	42	154	138
104067	1	42	154	138

104 Socket 12 Point Inch (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
104068	13/16	43	126	112
104069	7/8	43	126	122
104070	29/32	43	146	130
104071	15/16	43	154	138
104072	31/32	43	154	138
104073	1	43	154	138
104074	1-1/32	43	223	199

104 Socket 12 Point Inch (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
104075	1	46	223	199
104076	1-1/16	46	223	199
104077	1-1/8	46	243	217
104078	1-3/16	46	243	217
104079	1-1/4	46	263	235
104080	1-5/16	46	337	306

104 Socket 12 Point Inch (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
104081	1-3/8	50	368	331
104082	1-7/16	50	377	337
104083	1-3/4	50	402	362

104 Socket 12 Point Inch (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
104084	1-1/4	55	451	406
104085	1-1/2	55	489	440
104086	1-5/8	55	554	499

104 Socket 12 Point Inch (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
104087	1-3/4	60	706	635
104088	1-13/16	60	778	700
104089	1-7/8	60	816	734
104090	1-15/16	60	1088	979

104 Socket 12 Point Inch (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
104091	2	65	862	783
104092	2	70	955	860

104 Socket 6 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
104093	5	40	84	75
104094	6	40	84	75
104095	8	40	97	87
104096	9	40	97	87
104097	10	40	97	87
104098	11	40	97	87
104099	12	40	97	87
104100	13	40	97	87
104101	14	40	97	87
104102	15	40	110	98
104103	16	40	110	98
104104	17	40	110	98

104 Socket 6 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
104105	18	42	110	98
104106	19	42	116	104
104107	20	42	136	121

104 Socket 6 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
104108	27	47	252	224
104109	28	47	252	224
104110	29	47	278	247
104111	30	47	281	251
104112	32	47	297	266

104 Socket 6 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
104113	34	50	438	394
104114	36	50	442	398

104 Socket 6 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
104115	38	55	474	427
104116	41	55	520	468
104117	46	55	570	513

104 Socket 6 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
104118	51	60	763	686
104119	55	60	945	851

104 Socket 6 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
104120	21	43	129	115
104121	22	43	148	132
104122	23	43	155	138
104123	25	43	174	156
104124	26	43	212	186

104 Socket 6 Point Inch (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
104125	1/8	40	89	81
104126	3/16	40	90	82
104127	1/4	40	94	85
104128	19/64	40	96	87
104129	5/16	40	97	87
104130	11/32	40	97	87
104131	3/8	40	97	87
104132	13/32	40	97	87
104133	15/32	40	97	87
104134	1/2	40	97	88
104135	17/32	40	97	88
104136	9/16	40	97	88
104137	19/32	40	97	88
104138	5/8	40	103	93
104139	21/32	40	103	93
104140	11/16	40	110	98
104141	23/32	40	110	98

104 Socket 6 Point Inch (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
104142	3/4	43	107	97
104143	25/32	43	118	107
104144	13/16	43	127	115
104145	27/32	43	130	118
104146	7/8	43	139	125
104147	15/16	43	139	125
104148	29/32	43	139	125
104149	1	43	174	156

104 Socket 6 Point Inch (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
104150	1-1/8	46	275	245
104151	1-3/16	46	275	245
104152	1-1/4	46	297	266
104153	1-5/16	46	381	346

104 Socket 6 Point Inch (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
104154	1-3/8	50	416	374
104155	1-7/16	50	426	381

104 Socket 6 Point Inch (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
104156	1-1/2	55	488	439
104157	1-9/16	55	498	448

104 Socket 6 Point Inch (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
104158	1-11/16	60	693	624

104 Deep Socket 6 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
104159	14	45	91	82

104 Deep Socket 6 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
104160	14	50	96	86
104161	17	50	113	102

104 Deep Socket 6 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
104162	19	52	142	129
104163	24	52	204	185

104 Deep Socket 6 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
104164	30	55	312	283

104 Deep Socket 6 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
104165	11	60	120	109
104166	12	60	137	124
104167	13	60	139	127
104168	14	60	139	127
104169	17	60	153	138
104170	19	60	165	150
104171	24	60	292	266
104172	27	60	312	283
104173	30	60	346	314
104174	32	60	394	358
104175	36	60	508	461

104 Deep Socket 6 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
104176	17	75	169	153
104177	19	75	223	203
104178	24	75	316	287

104 Deep Socket 6 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
104179	19	78	237	215
104180	21	78	237	215
104181	24	78	340	309
104182	27	78	359	327
104183	30	78	411	374
104184	32	78	465	422
104185	34	78	589	536
104186	36	78	691	628

104 Deep Socket 6 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
104197	6	82	182	166
104198	8	82	182	166
104199	9	82	184	167
104200	10	82	187	170
104201	12	82	189	172
104202	13	82	189	172
104203	14	82	189	172
104204	15	82	189	172
104205	16	82	211	192
104206	17	82	211	192
104207	18	82	211	192
104208	19	82	233	212
104209	20	82	233	212
104210	22	82	256	233
104211	23	82	300	273
104212	24	82	315	286
104213	25	82	361	329
104214	27	82	433	393
104215	28	82	435	396
104216	29	82	435	396
104217	30	82	476	433
104218	32	82	544	494

104 Deep Socket 6 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
104219	17	100	306	278
104220	19	100	306	278

104 Deep Socket 6 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
104221	18	120	329	299
104222	19	120	336	306
104223	20	120	349	316
104224	21	120	358	325
104225	22	120	369	337
104226	23	120	378	345
104227	24	120	386	359

104 Deep Socket 6 Point Inch (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
104228	1/2	60	126	114
104229	9/16	60	138	126
104230	5/8	60	138	126
104231	11/16	60	167	151
104232	3/4	60	181	165
104233	7/8	60	220	200
104234	15/16	60	225	205
104235	1	60	258	235

104 Deep Socket 6 Point Inch (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
104236	1-1/16	70	312	283
104237	1-3/16	70	391	352
104238	1-1/4	70	408	367
104239	1-5/8	70	589	530

104 Deep Socket 6 Point Inch (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
104240	15/16	80	377	352
104241	1-1/16	80	393	367
104242	1-1/8	80	426	388
104243	1-5/16	80	623	567
104244	1-7/16	80	715	668
104245	1-1/2	80	794	742
104246	1-5/8	80	873	816

104 Deep Socket 6 Point Inch (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
104247	5/16	82	188	171
104248	3/8	82	188	171
104249	7/16	82	205	192
104250	5/8	82	205	192
104251	13/16	82	258	235
104252	1	82	404	377
104253	1-1/16	82	424	385
104254	1-3/16	82	426	398
104255	1-1/4	82	426	398
104256	1-5/8	82	860	782

104 Deep Socket 12 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
104257	12	60	137	123
104258	13	60	137	123
104259	14	60	137	123
104260	17	60	147	135
104261	19	60	157	141
104262	24	60	210	189

104 Deep Socket 12 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
104263	19	75	195	177

104 Deep Socket 12 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
104264	16	80	185	168
104265	18	80	185	168
104266	19	80	203	184
104267	21	80	258	235
104268	24	80	340	309

Brass Case Socket Set



104 Deep Socket 12 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
104269	9	82	186	169
104270	12	82	186	169
104271	13	82	196	178
104272	15	82	203	184
104273	16	82	203	184
104274	17	82	203	184
104275	19	82	233	212
104276	20	82	245	222
104277	22	82	282	256
104278	24	82	363	330
104279	27	82	411	374
104280	30	82	460	418
104281	32	82	536	487
104282	36	82	735	668

104 Deep Socket 12 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
104283	24	90	403	367
104284	30	90	594	540
104285	32	90	628	571

105 Socket 12 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
105001	6	50	230	209
105002	7	50	230	209
105003	8	50	230	209
105004	9	50	230	209
105005	10	50	232	211
105006	11	50	232	211
105007	12	50	233	212
105008	13	50	233	212
105009	14	50	237	215
105010	15	50	237	215
105011	16	50	237	215
105012	17	50	240	218
105013	18	50	240	218
105014	19	50	245	222

105 Socket 12 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
105015	20	55	279	253
105016	21	55	280	254
105017	22	55	292	266
105018	23	55	322	293
105019	24	55	322	293
105020	25	55	322	293
105021	26	55	324	295
105022	27	55	330	300
105023	28	55	351	319
105024	29	55	363	330

105 Socket 12 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
105025	30	60	415	377
105026	31	60	429	390
105027	32	60	445	405
105028	33	60	472	430
105029	34	60	486	442
105030	35	60	499	453
105031	36	60	502	456
105032	37	60	514	468
105033	38	60	556	506
105034	40	60	587	534

105 Socket 12 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
105035	41	65	714	638
105036	42	65	714	638
105037	46	65	811	724
105038	48	65	948	847

105 Socket 12 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
105039	50	70	940	855
105040	51	70	974	886

105 Socket 12 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
105041	54	75	1117	1016
105042	55	75	1140	1036
105043	56	75	1184	1076
105044	60	75	1245	1132

105 Socket 12 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
105045	65	80	1688	1535
105046	70	80	1824	1658

105 Socket 12 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
105047	75	85	2447	2225
105048	80	85	2945	2750

105 Socket 12 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
105049	1/2	50	246	224
105050	3/4	50	246	224
105051	13/16	50	262	240

105 Socket 12 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
105052	7/8	55	283	258
105053	15/16	55	323	294
105054	1	55	325	296
105055	1-1/16	55	333	303
105056	1-1/8	55	370	337

105 Socket 12 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
105057	1-3/16	60	391	355
105058	1-1/4	60	436	397
105059	1-5/16	60	469	426
105060	1-3/8	60	520	473
105061	1-7/16	60	538	489
105062	1-1/2	60	573	521
105063	1-9/16	60	606	551

105 Socket 12 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
105064	1-5/8	65	702	640
105065	1-11/16	65	759	690
105066	1-3/4	65	774	703
105067	1-13/16	65	794	722
105068	1-7/8	65	875	795

105 Socket 12 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
105069	2	70	968	880
105070	2-1/8	70	1250	1125

105 Socket 12 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
105071	2	75	1020	980
105072	2-1/4	75	1346	1211
105073	2-3/8	75	1436	1292

105 Socket 12 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
105074	2-1/2	80	1773	1596
105075	2-3/4	80	2132	1919

308010 Chain Hoist



105 Deep Socket 12 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
105076	17	90	426	388
105077	19	90	460	418
105078	22	90	530	482
105079	24	90	530	482
105080	27	90	536	487
105081	30	90	610	554
105082	32	90	645	586
105083	36	90	725	659
105084	41	90	816	742
105085	46	90	1122	1020
105086	55	90	1380	1255
105087	60	90	1592	1447

105 Deep Socket 12 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
105088	27	100	568	511
105089	30	100	589	536
105090	32	100	741	667
105091	36	100	875	788
105092	41	100	1125	1023
105093	46	100	1396	1269

105 Deep Socket 12 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
105094	3/4	90	516	469
105095	7/8	90	527	479
105096	15/16	90	538	489
105097	1	90	555	500
105098	1-1/16	90	559	503
105099	1-1/8	90	563	512
105100	1-3/16	90	633	575
105101	1-1/4	90	634	577
105102	1-5/16	90	704	633
105103	1-7/16	90	733	660
105104	1-1/2	90	763	687
105105	1-9/16	90	874	794
105106	1-5/8	90	906	824
105107	1-11/16	90	963	876

105 Deep Socket 12 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
105108	1-1/8	100	638	580
105109	1-5/16	100	803	730
105110	1-1/2	100	942	856
105111	1-3/4	100	1055	959
105112	1-13/16	100	1122	1020
105113	1-15/16	100	1208	1098

105 Deep Socket 12 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
105114	1-7/16	150	1320	1200
105115	1-1/2	150	1350	1230
105116	1-9/16	150	1410	1280
105117	1-5/8	150	1460	1350
105118	1-11/16	150	1510	1420
105119	1-3/4	150	1580	1490

105 Socket 6 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
105120	8	50	224	204
105121	9	50	228	207
105122	10	50	230	209
105123	11	50	232	211
105124	12	50	233	212
105125	13	50	236	214
105126	14	50	236	214
105127	15	50	237	215
105128	16	50	238	216
105129	17	50	238	216
105130	18	50	255	232
105131	19	50	261	237

105 Socket 6 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
105132	20	55	273	248
105133	22	55	295	268
105134	24	55	331	301
105135	25	55	334	304
105136	26	55	340	309
105137	27	55	380	345
105138	28	55	385	350
105139	29	55	391	355

105 Socket 6 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
105140	30	60	428	389
105141	31	60	432	392
105142	32	60	478	435
105143	33	60	486	442
105144	34	60	491	446
105145	35	60	504	458
105146	36	60	536	487
105147	37	60	542	492
105148	38	60	586	533

105 Socket 6 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
105149	41	65	722	656
105150	46	65	875	795
105151	50	65	996	895

105 Socket 6 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
105152	50	70	987	898
105153	55	70	1050	955

105 Socket 6 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
105154	55	75	1139	1035
105155	60	75	1178	1071
105156	65	75	1240	1127

105 Socket 6 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
105157	65	80	1690	1550
105158	75	80	2400	2300

105 Socket 6 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
105159	1/2	50	236	214
105160	5/8	50	240	218

105 Socket 6 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
105161	11/16	55	267	260
105162	13/16	55	272	264
105163	7/8	55	279	271
105164	15/16	55	303	295
105165	1	55	327	317
105166	1-1/8	55	337	328

105 Socket 6 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
105167	1-1/4	60	486	442
105168	1-5/16	60	494	449
105169	1-3/8	60	513	467
105170	1-7/16	60	545	495
105171	1-1/2	60	569	517

105 Socket 6 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
105172	1-5/8	65	675	614
105173	1-11/16	65	815	741
105174	1-3/4	65	816	742
105175	1-13/16	65	834	758
105176	1-7/8	65	864	786

105 Socket 6 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
105177	2-1/8	75	1329	1210
105178	2-3/8	75	1369	1244

105 Deep Socket 6 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
105179	24	90	408	371
105180	27	90	519	472
105181	28	90	591	538
105182	29	90	678	616
105183	30	90	682	620
105184	31	90	685	623
105185	32	90	689	626
105186	36	90	832	756
105187	37	90	844	767
105188	38	90	855	778
105189	41	90	1006	915

105 Deep Socket 6 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
105190	46	100	1238	1126
105191	50	100	1403	1275

105 Deep Socket 6 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
105192	3/4	90	517	470
105193	15/16	90	540	491
105194	1	90	552	502
105195	1-1/16	90	562	511
105196	1-1/8	90	580	527
105197	1-3/16	90	664	604
105198	1-1/4	90	693	630
105199	1-5/16	90	714	649
105200	1-3/8	90	732	665
105201	1-7/16	90	781	710
105202	1-1/2	90	789	717
105203	1-5/8	90	881	801

106 Socket 12 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
106001	14	55	373	339
106002	16	55	377	343
106003	17	55	381	346
106004	18	55	384	349
106005	19	55	384	349
106006	21	55	391	355
106007	22	55	391	355
106008	23	55	395	359
106009	24	55	395	359
106010	25	55	406	369
106011	26	55	407	370
106012	27	55	408	371
106013	28	55	427	388
106014	29	55	440	400

106 Socket 12 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
106015	30	60	488	444
106016	31	60	491	446
106017	32	60	493	448
106018	33	60	520	464
106019	34	60	520	464
106020	35	60	544	494

106 Socket 12 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
106021	36	65	595	541
106022	38	65	632	575
106023	40	65	638	580

106 Socket 12 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
106024	41	70	699	636
106025	46	70	850	836

106 Socket 12 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
106026	45	75	843	766
106027	46	75	844	767
106028	48	75	872	793
106029	50	75	913	830

106 Socket 12 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
106030	50	80	986	880
106031	55	80	1091	982
106032	60	80	1300	1250

106 Socket 12 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
106033	60	85	1410	1260
106034	63	85	1686	1533

106 Socket 12 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
106035	65	90	1697	1515
106036	67	90	2014	1831
106037	68	90	2096	1906
106038	70	90	2184	1950

106 Socket 12 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
106043	3/4	55	385	350
106044	13/16	55	395	359
106045	15/16	55	397	361
106046	1	55	402	366
106047	1-1/16	55	408	371
106048	1-1/8	55	417	379

106 Socket 12 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
106056	1-3/8	70	690	627
106057	1-5/8	70	725	657

106 Socket 12 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
106039	75	95	2382	2126
106040	80	95	2588	2310

106 Socket 12 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
106049	1-3/16	60	442	402
106050	1-1/4	60	504	458
106051	1-5/16	60	516	469
106052	1-3/8	60	539	490

106 Socket 12 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
106058	1-3/4	75	795	723
106059	1-13/16	75	870	791
106060	1-7/8	75	884	804
106061	2	75	900	818

106 Socket 12 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
106041	90	100	3489	3171
106042	95	100	3589	3263

106 Socket 12 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
106053	1-7/16	65	594	540
106054	1-1/2	65	612	556
106055	1-9/16	65	658	598

106 Socket 12 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
106062	2-3/16	80	1145	1041
106063	2-1/4	80	1190	1082
106064	2-5/16	80	1220	1182

106 Socket 12 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
106065	2-3/8	85	1440	1309
106066	2-1/2	85	1540	1360

106 Socket 12 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
106071	3-1/2	105	4565	4315
106072	4	105	4890	4420
106073	4-1/8	105	4965	4525

106 Deep Socket 12 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
106086	1-1/2	90	748	680
106087	1-5/8	90	800	750

106 Socket 12 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
106067	2-1/2	90	1612	1466
106068	2-3/4	90	2101	1910

106 Deep Socket 12 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
106074	22	100	637	579
106075	24	100	668	608
106076	26	100	680	618
106077	27	100	702	639
106078	28	100	723	657
106079	30	100	727	661
106080	32	100	759	690
106081	36	100	816	742
106082	38	100	975	886
106083	41	100	1035	938
106084	46	100	1150	1090
106085	50	100	1190	1130

106 Deep Socket 12 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
106088	46	110	1229	1118
106089	60	110	1847	1679

106 Socket 12 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
106069	3	95	2750	2500
106070	3-3/16	95	2900	2642

106 Deep Socket 12 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
106090	46	115	1479	1344
106091	55	125	1898	1725

106 Deep Socket 12 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
106092	1-5/8	100	1067	970
106093	1-1/8	100	734	667
106094	1-3/16	100	746	678
106095	1-1/4	100	831	755
106096	1-5/16	100	880	800
106097	1-3/8	100	880	800
106098	1-7/16	100	1056	960
106099	1-5/8	100	1067	970

106 Deep Socket 12 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
106100	1-1/4	110	1250	1195
106101	1-1/2	110	1395	1285
106102	1-5/8	110	1465	1385
106103	1-13/16	110	1525	1465

106 Deep Socket 12 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
106104	1-7/8	115	1416	1288
106105	2	115	1569	1427

106 Deep Socket 12 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
106106	2-1/4	125	1829	1662
106107	2-3/8	125	2079	1890

106 Deep Socket 12 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
106108	2-1/2	135	3256	2989
106109	2-3/4	135	3656	3324

106 Socket 6 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
106110	16	55	374	340
106111	17	55	386	351
106112	19	55	392	356
106113	21	55	392	356
106114	22	55	403	367
106115	24	55	412	375
106116	26	55	424	385
106117	27	55	437	398
106118	28	55	437	398
106119	29	55	442	402

106 Socket 6 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
106120	30	60	487	443
106121	32	60	496	451
106122	34	60	497	452
106123	36	60	544	494
106124	38	60	600	555
106125	41	60	650	605
106126	43	60	705	695
106127	46	60	765	735
106128	50	60	805	765

106 Socket 6 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
106129	27	65	385	350
106130	36	65	612	556
106131	38	65	651	581

106 Socket 6 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
106132	41	70	686	612
106133	42	70	689	615

106 Socket 6 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
106134	46	75	838	762
106135	50	75	895	814

106 Socket 6 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
106136	55	80	1172	1065
106137	60	85	1390	1260

106 Socket 6 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
106138	65	90	1697	1515
106139	70	90	2068	1846

106 Socket 6 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
106140	75	95	2382	2127
106141	80	95	2588	2310

106 Deep Socket 6 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
106142	22	100	640	582
106143	24	100	682	620
106144	32	100	819	745
106145	41	100	1143	1039
106146	85	100	3633	3303
106147	90	100	3682	3348
106148	95	100	3762	3420
106149	100	100	3900	3545

106 Deep Socket 6 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
106150	85	105	3641	3277
106151	90	105	3856	3470
106152	95	105	4070	3663
106153	100	105	4274	3856

106 Socket 6 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
106154	11/16	55	384	349
106155	1	55	387	352
106156	1-1/16	55	392	356

106 Socket 6 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
106157	1-1/16	60	426	380
106158	1-3/16	60	442	405
106159	1-1/4	60	470	431
106160	1-3/8	60	500	454

106 Socket 6 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
106161	1-7/16	65	560	500
106162	1-3/4	70	714	649
106163	2-1/8	80	1155	1050
106164	2-3/8	85	1465	1332
106165	2-1/2	90	1693	1539
106166	2-3/4	90	2182	1984
106167	3	95	2750	2500

106 Socket 12 Point (C=1-1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
106168	36	70	1352	1229
106169	41	70	1365	1241
106170	46	70	1398	1271
106171	50	75	1479	1344
106172	55	75	1565	1422
106173	60	80	1888	1716
106174	75	85	2456	2233
106175	80	90	2801	2546
106176	100	100	4424	4022

107 Impact Socket 12 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
107001	6	45	332	302
107002	8	45	342	311
107003	9	45	343	312
107004	10	45	346	314
107005	11	45	348	316
107006	12	45	350	318

107 Impact Socket 12 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
107007	13	50	350	318
107008	14	50	350	318
107009	15	50	350	318
107010	16	50	357	324
107011	17	50	357	324
107012	18	50	368	335
107013	19	50	368	335
107014	20	50	378	344
107015	21	50	378	344
107016	22	50	378	344
107017	23	50	390	354
107018	24	50	390	354
107019	25	50	403	367

107 Impact Socket 12 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
107020	26	53	406	369
107021	27	53	418	380
107022	28	53	438	398
107023	29	53	444	404
107024	30	53	448	407

Socket $\equiv$ **A1** $\equiv$ Socket





Socket P 28 - P 46

③ 107025-110481

107 Impact Socket 12 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
107025	31	56	483	431
107026	32	56	495	442
107027	34	56	508	454
107028	36	56	525	469
107029	38	56	531	474

107 Impact Socket 12 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
107030	29	60	520	473
107031	31	60	550	500
107032	40	60	646	587
107033	41	60	666	606
107034	42	60	726	660
107035	44	60	758	689
107036	45	60	775	705
107037	46	60	776	706
107038	47	60	777	707

107 Impact Socket 12 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
107039	48	70	939	854
107040	50	70	1063	966

107 Impact Socket 12 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
107041	55	75	1284	1167
107042	60	75	1394	1267
107043	65	75	1400	1273

107 Impact Socket 12 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
107044	1/2	50	363	330
107045	1	50	369	336

107 Impact Socket 12 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
107046	1-1/16	53	405	368
107047	1-1/8	53	438	398
107048	1-3/16	53	438	398

107 Impact Socket 12 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
107049	1-1/4	56	473	423
107050	1-3/8	56	520	468
107051	1-7/16	56	568	511
107052	1-1/2	56	588	525

107 Impact Socket 12 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
107053	1-5/8	60	737	658
107054	1-3/4	60	809	723
107055	1-13/16	60	863	771
107056	1-7/8	60	913	816
107057	2	70	1145	1022

107 Impact Socket 6 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
107058	14	50	355	322
107059	15	50	355	322
107060	17	50	378	344
107061	19	50	380	345
107062	20	50	384	349
107063	21	50	389	353
107064	22	50	400	364
107065	23	50	408	371
107066	24	50	414	376
107067	27	50	435	405

107 Impact Socket 6 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
107068	24	53	365	325
107069	26	53	401	365
107070	27	53	412	375
107071	28	53	418	380
107072	29	53	426	387
107073	30	53	442	402

107 Impact Socket 6 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
107074	30	56	492	447
107075	32	56	497	452
107076	33	56	513	467
107077	34	56	526	478
107078	35	56	533	484
107079	36	56	538	489
107080	38	56	571	519
107081	41	56	625	595
107082	46	56	675	635

107 Impact Socket 6 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
107083	41	60	705	641
107084	42	60	734	667
107085	46	60	750	680
107086	47	60	757	688
107087	50	60	778	708
107088	55	60	826	785

107 Impact Socket 6 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
107089	41	70	805	735
107090	46	70	850	773
107091	50	70	997	906
107092	52	70	1125	1023
107093	53	70	1127	1025
107094	55	70	1190	1082

107 Impact Socket 6 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
107095	50	75	1295	1180
107096	55	75	1346	1224
107097	60	75	1477	1343
107098	65	75	1582	1438
107099	68	80	1597	1452
107100	70	80	1649	1499
107101	75	80	1935	1759
107102	80	85	2154	1958

107 Impact Socket 6 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
107103	3/8	45	330	300
107104	1/2	45	480	428

107 Impact Socket 6 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
107105	1/2	50	351	319
107106	9/16	50	359	327
107107	5/8	50	361	329
107108	11/16	50	369	336
107109	13/16	50	373	339
107110	7/8	50	381	346
107111	15/16	50	384	349
107112	1	50	416	378
107113	1-15/16	50	702	639

107 Impact Socket 6 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
107114	1-1/16	53	440	400
107115	1-1/8	53	448	407
107116	1-3/16	53	450	409

107 Impact Socket 6 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
107117	1-1/4	56	516	469
107118	1-5/16	56	535	486
107119	1-3/8	56	542	492
107120	1-7/16	56	546	496
107121	1-1/2	56	561	510
107122	1-9/16	56	569	517

107 Impact Socket 6 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
107123	1-5/8	60	690	627
107124	1-11/16	60	731	664
107125	1-3/4	60	763	693
107126	1-13/16	60	809	735

107 Impact Socket 6 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
107127	1-7/8	70	979	890
107128	2	70	1087	988

107 Impact Socket 6 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
107129	2-3/16	75	1396	1269
107130	2-3/8	75	1466	1333
107131	2-1/2	75	1514	1376
107132	2-9/16	75	1620	1473

107 Impact Socket 6 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
107133	2-3/4	80	1747	1588
107134	2-7/8	80	1945	1769

107 Deep Impact Socket 6 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
107135	24	75	589	536
107136	30	75	699	636
107137	32	75	710	646

107 Deep Impact Socket 6 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
107138	36	80	858	780
107139	41	80	1288	1100

107 Deep Impact Socket 6 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
107148	30	95	883	802
107149	46	95	1301	1182

107 Deep Impact Socket 6 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
107156	55	105	1985	1766
107157	60	105	2310	2100

107 Deep Impact Socket 6 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
107140	19	90	680	618
107141	22	90	714	649
107142	24	90	753	685
107143	27	90	791	719
107144	30	90	832	756
107145	32	90	857	779
107146	36	90	980	891
107147	41	90	1072	974

107 Deep Impact Socket 6 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
107150	41	100	1347	1225
107151	46	100	1542	1402
107152	48	100	1544	1404
107153	50	100	1829	1662
107154	55	100	2056	1869
107155	65	100	2249	2045

107 Deep Impact Socket 6 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
107158	19	110	906	824
107159	22	110	919	835
107160	24	110	923	839
107161	27	110	993	902
107162	30	110	1053	957
107163	32	110	1081	983
107164	36	110	1232	1120
107165	38	110	1332	1211
107166	41	110	1920	1746

107 Deep Impact Socket 6 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
107167	36	140	1607	1461
107168	41	140	1629	1466

107 Deep Impact Socket 6 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
107169	46	150	1827	1644
107170	50	150	1986	1787

107 Deep Impact Socket 6 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
107171	41	160	1855	1686
107172	55	160	2185	1967

107 Impact Socket 6 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
107173	3/4	90	746	678
107174	7/8	90	748	680
107175	15/16	90	753	685
107176	1	90	759	690
107177	1-1/16	90	765	695
107178	1-1/8	90	770	700
107179	1-1/4	90	781	710
107180	1-5/16	90	868	789
107181	1-7/16	90	906	824
107182	1-1/2	90	994	903
107183	1-9/16	90	1038	943
107184	1-5/8	90	1126	1024
107185	1-11/16	90	1153	1049
107186	1-13/16	90	1300	1181
107187	1-7/8	90	1398	1271
107188	1-15/16	90	1501	1365
107189	2	90	1565	1422
107190	2-1/8	90	1634	1485
107191	2-1/4	90	1811	1646

107 Impact Socket 6 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
107192	1-3/8	100	1025	923
107193	1-1/2	100	1135	1032
107194	1-5/8	100	1326	1205
107195	1-13/16	100	1400	1273
107196	1-7/8	100	1450	1318

107 Impact Socket 6 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
107197	1-3/16	130	1105	1004
107198	1-1/4	130	1168	1062
107199	1-3/8	130	1245	1132
107200	1-7/16	130	1329	1208
107201	1-1/2	130	1433	1303
107202	1-5/8	130	1547	1406
107203	1-13/16	130	1703	1548

107 Impact Socket 6 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
107204	1-1/8	140	1318	1198
107205	1-7/16	140	1488	1352
107206	1-1/2	140	1556	1414
107207	1-9/16	140	1638	1489

107 Impact Socket 6 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
107208	1-1/8	150	1337	1215
107209	1-1/4	150	1357	1234
107210	1-5/16	150	1362	1238
107211	1-3/8	150	1395	1268
107212	1-7/16	150	1496	1360
107213	1-1/2	150	1515	1377
107214	1-9/16	150	1726	1569
107215	1-5/8	150	1729	1572
107216	1-11/16	150	1733	1576
107217	1-3/4	150	1737	1579
107218	2-3/8	150	3286	2987

107 Impact Socket 6 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
107219	1-7/16	180	1996	1815
107220	1-1/2	180	2187	1988

107 Impact Socket 6 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
107221	1-3/8	200	2051	1864
107222	1-7/16	200	2096	1906
107223	1-1/2	200	2124	1931
107224	1-9/16	200	2132	1938

108 Impact Socket 12 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
108001	19	55	546	496
108002	20	55	564	513
108003	21	55	578	525
108004	22	55	613	557
108005	23	55	617	561
108006	24	55	628	571
108007	26	55	636	578
108008	27	55	639	581

108 Impact Socket 12 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
108009	29	60	729	662
108010	30	60	800	727
108011	32	60	810	736
108012	34	60	832	756
108013	35	60	845	768
108014	36	60	855	778
108015	37	60	855	778

108 Impact Socket 12 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
108016	38	65	910	827
108017	39	65	925	840
108018	41	65	986	896
108019	42	65	989	899

108 Impact Socket 12 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
108020	41	70	1153	1022
108021	46	70	1362	1238

108 Impact Socket 12 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
108022	50	75	1560	1418
108023	52	75	1574	1431
108024	54	75	1616	1469
108025	55	75	1621	1474

108 Impact Socket 12 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
108026	58	85	1898	1725
108027	60	85	1970	1791
108028	65	85	2178	1980

108 Impact Socket 12 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
108029	60	90	2280	2072
108030	70	90	2464	2240
108031	75	90	2704	2459
108032	80	90	2878	2616

108 Impact Socket 12 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
108033	80	100	2922	2656
108034	85	100	3026	2751
108035	90	100	3305	3005
108036	95	100	3781	3437

108 Impact Socket 12 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
108037	90	110	4179	3799
108038	105	110	5290	4809

109 Impact Socket 12 Point (C=1-3/16")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
109001	50	90	1930	1755
109002	52	90	2005	1835
109003	55	90	2180	1965
109004	58	90	2200	2000
109005	60	90	2290	2085
109006	65	90	2610	2370
109007	70	90	2840	2585
109008	75	90	3190	2880
109009	80	90	3605	3250
109010	85	90	4025	3650
109011	90	90	4320	4040

110 Impact Socket 12 Point (C=1-1/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110001	41	90	1350	1215
110002	46	90	1660	1494
110003	50	90	2020	1818
110004	55	90	2560	2304
110005	60	90	2880	2592
110006	65	90	3250	2925
110007	70	90	3650	3285
110008	75	90	4120	3708

110 Impact Socket 12 Point (C=1-1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110009	50	85	2480	2255
110010	55	90	2522	2293
110011	60	90	2829	2572
110012	65	95	2954	2685
110013	70	95	3125	2841
110014	75	100	3394	3086
110015	80	100	4041	3674
110016	85	110	4600	4182
110017	90	110	4867	4425
110018	95	110	5256	4778
110019	98	115	6034	5486
110020	100	115	6115	5560
110021	105	115	6420	5840
110022	110	115	8630	7850
110023	115	125	10030	9125
110024	120	125	10400	9453

110 Impact Socket 12 Point Inch (C=1-1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
110025	2-5/8	95	3005	2705
110026	2-3/4	95	3203	2883
110027	2-7/8	100	3646	3281

110 Impact Socket 12 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110028	6	40	116	106
110029	8	40	117	107
110030	9	40	120	109
110031	10	40	122	111
110032	11	40	125	113
110033	12	40	126	114
110034	13	40	126	114
110035	14	40	127	116
110036	15	40	150	136
110037	16	40	151	138
110038	17	40	152	139
110039	18	40	154	140
110040	19	40	155	141
110041	20	40	156	142
110042	21	40	157	143
110043	22	40	160	145
110044	23	40	179	163

110 Impact Socket 12 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110045	24	45	165	150
110046	25	45	176	160
110047	26	45	210	191
110048	27	45	212	193
110049	28	45	234	205
110050	29	45	274	225
110051	30	45	295	245

110 Impact Socket 12 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

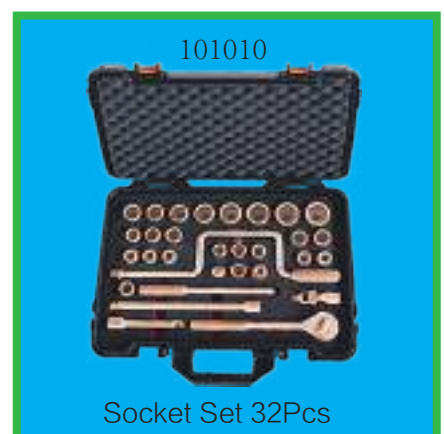
Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110052	29	50	232	211
110053	30	50	269	244
110054	32	50	282	256
110055	34	50	298	271

110 Impact Socket 12 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110056	36	55	330	300
110057	41	55	462	420
110058	46	55	728	662



110 Impact Socket 6 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110059	6	40	107	97
110060	7	40	110	100
110061	8	40	116	105
110062	9	40	116	105
110063	10	40	116	105
110064	11	40	117	106
110065	12	40	117	106
110066	13	40	117	106
110067	14	40	120	109
110068	15	40	142	129
110069	16	40	142	129
110070	17	40	142	129
110071	18	40	142	129
110072	19	40	143	130
110073	20	40	143	130
110074	21	40	147	134
110075	22	40	153	139
110076	23	40	172	157

110 Impact Socket 6 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110077	24	45	185	168
110078	25	45	187	170
110079	26	45	207	188
110080	27	45	212	193

110 Impact Socket 6 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110081	29	50	245	222
110082	30	50	270	245
110083	31	50	279	253
110084	32	50	293	267
110085	33	50	295	268
110086	34	50	297	270

110 Impact Socket 6 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110087	35	55	398	362
110088	36	55	399	363
110089	38	55	474	431
110090	41	55	493	448

110 Impact Socket 6 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110091	50	60	780	702
110092	55	60	825	742
110093	60	60	895	806

110 Impact Socket 6 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110094	24	68	370	336
110095	27	68	395	351
110096	28	68	420	375
110097	29	68	446	398
110098	30	68	467	417
110099	31	68	488	436
110100	32	68	523	466

110 Impact Socket 6 Point Inch (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
110101	5/16	40	110	100
110102	3/8	40	111	101
110103	1/2	40	113	103
110104	9/16	40	117	106
110105	5/8	40	131	119
110106	11/16	40	134	122
110107	3/4	40	135	123
110108	25/32	40	136	124
110109	13/16	40	138	126
110110	7/8	40	160	145
110111	15/16	40	164	149
110112	1	40	185	165

110 Impact Socket 6 Point Inch (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
110113	15/16	45	201	182
110114	1-1/8	45	253	226

110 Impact Socket 6 Point Inch (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
110115	15/16	50	264	240
110116	1-1/16	50	273	248
110117	1-3/16	50	279	253
110118	1-1/4	50	284	259
110119	1-3/8	50	301	274

110 Impact Socket 6 Point Inch (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
110120	1-7/16	55	325	296
110121	1-1/2	55	451	410
110122	1-9/16	55	469	426
110123	1-5/8	55	499	453

110 Impact Socket 6 Point Inch (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
110124	1-9/16	62	735	655
110125	1-15/16	62	782	698

110 Impact Socket 12 Point Inch (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
110126	9/16	80	282	256
110127	19/32	80	290	264
110128	5/8	80	292	266
110129	11/16	80	298	271
110130	3/4	80	300	273
110131	13/16	80	303	275
110132	7/8	80	323	294
110133	15/16	80	340	309
110134	1	80	390	354
110135	1-1/16	80	423	384
110136	1-1/8	80	426	387
110137	1-3/16	80	433	393
110138	1-1/4	80	450	409
110139	1-3/8	80	608	553
110140	1-5/8	80	648	593

110 Deep Impact Socket 12 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110141	8	80	244	221
110142	10	80	253	230
110143	11	80	267	243
110144	12	80	286	260
110145	14	80	292	266
110146	15	80	317	288
110147	16	80	317	288
110148	17	80	331	301
110149	18	80	340	309
110150	19	80	342	311
110151	20	80	346	314
110152	21	80	348	316
110153	22	80	359	327
110154	24	80	373	339
110155	26	80	383	348
110156	27	80	391	355
110157	28	80	393	357
110158	30	80	487	443
110159	32	80	492	447

110 Deep Impact Socket 12 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
110160	46	100	1542	1402
110161	50	100	1765	1605
110162	55	100	1930	1740
110163	60	100	2260	2050

110 Deep Impact Socket 6 Point (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110164	8	80	195	177
110165	10	80	214	195
110166	12	80	215	196
110167	14	80	221	201
110168	15	80	298	271
110169	16	80	304	276
110170	17	80	314	285
110171	18	80	318	289
110172	19	80	323	294
110173	22	80	326	297
110174	24	80	333	303
110175	27	80	406	369
110176	30	80	488	444
110177	32	80	494	450

110 Impact Socket 6 Point Inch (C=1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
110178	3/8	80	267	243
110179	7/16	80	273	248
110180	1/2	80	280	254
110181	9/16	80	282	256
110182	5/8	80	292	266
110183	11/16	80	298	271
110184	3/4	80	300	273
110185	7/8	80	323	294
110186	15/16	80	340	309
110187	1	80	390	354

110 Deep Impact Socket 12 Point (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110188	17	90	765	695
110189	19	90	769	699
110190	21	90	772	701
110191	22	90	774	703
110192	24	90	779	708
110193	27	90	826	751
110194	30	90	937	852
110195	32	90	983	894
110196	34	90	1020	927
110197	36	90	1090	991
110198	38	90	1337	1215
110199	41	90	1235	1123
110200	46	90	1430	1300
110201	48	90	1490	1400
110202	50	90	1825	1660

110 Impact Socket 12 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
110203	1/2	90	627	570
110204	1	90	715	650
110205	1-5/8	90	1100	1000
110206	1-13/16	90	1540	1400
110207	1-7/8	90	1650	1500

110 Deep Impact Socket 12 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110208	36	90	1729	1572
110209	46	90	2010	1827
110210	50	90	2220	2020
110211	55	90	2442	2220
110212	60	90	2748	2498

110 Deep Impact Socket 12 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110213	46	95	1808	1627
110214	50	95	2010	1809
110215	55	95	2308	2077
110216	60	95	2607	2346
110217	65	95	2908	2617
110218	70	95	3405	3065
110219	75	95	3905	3515
110220	80	95	4406	3965

110 Deep Impact Socket 12 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
110221	2	75	1561	1405
110222	2-1/16	75	1865	1679
110223	2-1/8	75	2175	1958

110 Deep Impact Socket 12 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
110224	2-1/4	85	1862	1676
110225	2-3/8	85	2175	1958
110226	2-7/16	85	2456	2210

110 Deep Impact Socket 12 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
110227	3	90	2361	2125
110228	3-1/16	90	2675	2408
110229	3-1/8	90	2956	2660

110 Deep Impact Socket 12 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110230	22	100	874	795
110231	24	100	985	895
110232	27	100	997	906
110233	30	100	1241	1128
110234	32	100	1348	1226
110235	36	100	1498	1362
110236	38	100	1698	1544
110237	41	100	2004	1822
110238	46	100	2152	1956
110239	50	100	2265	2059
110240	55	100	2406	2188
110241	60	100	2673	2430
110242	65	100	2893	2630
110243	70	100	3162	2875
110244	75	100	3329	3026
110245	80	100	3549	3226

110 Deep Impact Socket 12 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110246	46	110	2202	2002
110247	50	110	2273	2066
110248	55	110	2576	2342
110249	60	110	2856	2596
110250	65	110	3364	3058
110251	70	110	3584	3258

110 Deep Impact Socket 12 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110252	60	120	3438	3094
110253	65	120	3737	3363

110 Deep Impact Socket 12 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110254	55	125	2768	2517
110255	60	125	3069	2818

110 Deep Impact Socket 12 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110256	70	140	5075	4565
110257	75	140	5347	4861

110 Deep Impact Socket 6 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
110258	1-7/16	90	840	756
110259	1-5/8	90	1050	945

110 Deep Impact Socket 6 Point Inch (C=3/4")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
110260	1-7/16	150	1400	1260
110261	1-5/8	150	1750	1575

110 Impact Socket 6 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110262	10	55	519	472
110263	17	55	553	503
110264	19	55	636	578
110265	22	55	581	528
110266	24	55	588	535
110267	26	55	596	542
110268	27	55	663	603

110 Impact Socket 6 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110269	29	60	758	689
110270	30	60	770	700
110271	32	60	817	743
110272	34	60	842	765
110273	36	60	859	781

110 Impact Socket 6 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110274	38	65	929	845
110275	41	65	990	900
110276	42	65	993	902

110 Impact Socket 6 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110277	46	70	1327	1206
110278	50	70	1390	1265

110 Impact Socket 6 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110279	50	75	1626	1478
110280	52	75	1645	1496
110281	55	75	1660	1509

110 Impact Socket 6 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110282	58	85	1880	1692
110283	60	85	2188	1989
110284	65	85	2324	2113

110 Impact Socket 6 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110285	65	90	2509	2258
110286	70	90	2685	2416
110287	75	90	2900	2610
110288	80	90	3165	2850

110 Deep Impact Socket 6 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110289	41	100	1540	1400
110290	46	100	1965	1785
110291	50	100	2155	1960
110292	55	100	2445	2220
110293	60	100	2600	2360
110294	65	100	2717	2470
110295	70	100	2829	2572
110296	75	100	2919	2653
110297	80	100	3560	3236
110298	85	100	3711	3374
110299	90	100	3889	3535
110300	95	100	4001	3637
110301	100	100	4581	4164

110 Deep Impact Socket 6 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110302	60	120	2932	2666
110303	70	130	3852	3502
110304	80	140	5266	4787
110305	85	140	5552	5047

110 Impact Socket 6 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
110306	3/4	55	545	495
110307	7/8	55	564	513
110308	15/16	55	575	523
110309	1	55	620	558
110310	1-1/16	55	620	558

110 Impact Socket 6 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
110311	1-1/8	60	788	709
110312	1-1/4	60	800	727
110313	1-5/16	60	810	736
110314	1-3/8	60	825	750
110315	1-7/16	60	872	784

110 Impact Socket 6 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
110316	1-1/2	65	888	807
110317	1-9/16	65	999	908
110318	1-5/8	65	1008	916
110319	1-11/16	65	1082	973

110 Impact Socket 6 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
110320	1-3/4	70	1394	1267
110321	1-13/16	70	1418	1289
110322	1-7/8	70	1539	1399
110323	2-3/8	70	1668	1516

110 Impact Socket 6 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
110324	1-15/16	75	1594	1449
110325	2	75	1601	1455
110326	2-1/16	75	1650	1500
110327	2-1/8	75	1703	1548
110328	2-3/16	75	1774	1613
110329	2-1/4	75	1781	1619
110330	2-3/8	75	1877	1707

110 Impact Socket 6 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
110331	2-5/16	85	2136	1942
110332	2-3/8	85	2249	2045
110333	2-7/16	85	2345	2132
110334	2-1/2	85	2394	2176
110335	2-9/16	85	2476	2251
110336	2-5/8	85	2511	2282

110 Impact Socket 6 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
110337	2-3/4	90	2558	2326
110338	2-13/16	90	2639	2399
110339	2-7/8	90	2771	2519
110340	2-15/16	90	2860	2600
110341	3	90	2927	2660
110342	3-1/8	90	3270	2973
110343	3-7/8	90	4276	3888

110 Impact Socket 6 Point (C=2-1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110344	41	115	6405	5765
110345	46	115	6510	5859
110346	50	115	6550	5895
110347	55	115	6615	5954

110 Impact Socket 6 Point (C=2-1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110348	60	120	6615	5954
110349	65	120	6700	6030

110 Impact Socket 6 Point (C=2-1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110350	70	125	7350	6615
110351	75	125	7370	6700
110352	80	125	7430	6755

110 Impact Socket 6 Point (C=2-1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110353	85	135	8400	7560
110354	90	135	8820	7938

110 Impact Socket 6 Point (C=2-1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110355	95	140	9960	9055
110356	98	145	11025	9923
110357	100	145	11050	9945
110358	105	145	11300	10280

110 Deep Impact Socket 6 Point (C=2-1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110359	110	155	12422	11179
110360	115	160	13545	12191
110361	120	160	14300	13000
110362	125	170	15230	13850
110363	130	170	16170	14700
110364	135	175	17325	15593
110365	140	180	19290	17540
110366	145	185	21220	19290

110 Deep Impact Socket 6 Point (C=2-1/2")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
110367	3-7/8	145	10500	9450
110368	4-1/4	155	12600	11340
110369	4-5/8	160	13650	12285
110370	5	170	14700	13230

110 Deep Impact Socket 6 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110371	32	78	649	590
110372	36	78	700	650

110 Deep Impact Socket 6 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110373	24	90	750	675
110374	27	90	997	897
110375	30	90	1060	954
110376	32	90	1180	1062
110377	36	90	1330	1197
110378	41	90	1598	1438
110379	46	90	1898	1708
110380	50	90	2020	1818
110381	55	90	2155	1940
110382	60	90	2250	2025

110 Deep Impact Socket 6 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110383	27	100	959	871
110384	32	100	1253	1139
110385	34	100	1272	1157
110386	35	100	1310	1191
110387	36	100	1356	1233
110388	38	100	1454	1321
110389	41	100	1501	1365
110390	46	100	1800	1637
110391	50	100	2223	2021
110392	55	100	2286	2079
110393	70	100	2488	2262
110394	90	100	3493	3175

110 Deep Impact Socket 6 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110395	30	110	1535	1395
110396	34	110	1557	1415
110397	36	110	1570	1420
110398	38	110	1584	1440
110399	41	110	1683	1530
110400	46	110	2123	1930
110401	50	110	2261	2055
110402	60	110	2827	2570

110 Deep Impact Socket 6 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110403	60	120	3220	2898
110404	65	120	3317	2985
110405	70	130	3916	3524
110406	75	130	4220	3798
110407	80	140	5368	4831
110408	85	140	5660	5094

110 Deep Impact Socket 6 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110409	46	95	1826	1660
110410	50	95	2011	1828

110 Deep Impact Socket 6 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110411	42	105	1595	1450
110412	46	105	1941	1764
110413	60	105	2860	2600

110 Impact Socket 6 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
110414	2-3/8	85	2145	1950
110415	2-1/2	85	2327	2115

110 Impact Socket 6 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
110416	1-5/16	100	1408	1280
110417	1-3/8	100	1426	1290
110418	1-7/16	100	1430	1300
110419	1-1/2	100	1903	1730
110420	1-11/16	100	1950	1755
110421	1-13/16	100	1980	1800
110422	1-7/8	100	2090	1900
110423	1-15/16	100	2200	2000
110424	2-1/16	100	2255	2050
110425	2-1/8	100	2420	2200

110 Impact Socket 6 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
110426	2-3/16	110	2390	2151
110427	2-1/4	110	2585	2327
110428	2-5/16	110	2885	2597
110429	2-7/16	110	3025	2723
110430	2-15/16	110	3971	3574

110 Impact Socket 6 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
110431	1-7/8	125	2552	2320
110432	1-15/16	125	2595	2390

110 Impact Socket 6 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
110433	1-5/8	140	2662	2420
110434	1-7/8	140	3201	2910

110 Impact Socket 6 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
110435	1-7/16	150	2112	1920
110436	1-1/2	150	2184	1985
110437	1-5/8	150	2261	2055

110 Impact Socket 6 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
110438	1-7/16	200	2794	2540
110439	1-1/2	200	3098	2788

110 Deep Impact Socket 12 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110440	19	90	858	780
110441	22	90	858	780
110442	24	90	858	780
110443	27	90	968	880
110444	30	90	1210	1100
110445	32	90	1265	1150
110446	34	90	1265	1150
110447	36	90	1320	1200
110448	38	90	1474	1340
110449	41	90	1518	1380
110450	46	90	1733	1575
110451	48	90	1870	1700
110452	50	90	2035	1850
110453	55	90	2206	2005
110454	60	90	2338	2125
110455	65	90	2629	2390
110456	90	90	3850	3500

110 Deep Impact Socket 12 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110457	46	110	2046	1860
110458	50	110	2244	2040
110459	55	110	2486	2260
110460	60	110	2805	2550
110461	65	110	2970	2700
110462	70	110	3025	2750
110463	75	110	3427	3115

110 Deep Impact Socket 12 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110464	65	120	3674	3340
110465	70	120	3740	3400

110 Deep Impact Socket 12 Point (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
110466	52	125	2662	2420
110467	75	140	4912	4465

110 Impact Socket 12 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
110468	1-5/8	90	1518	1380
110469	1-13/16	90	1733	1575
110470	1-7/8	90	1870	1700
110471	2	90	2090	1900

110 Impact Socket 12 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
110472	1-1/16	100	1030	940
110473	1-1/8	100	1100	1000
110474	1-3/16	100	1340	1220
110475	1-1/4	100	1408	1280
110476	1-5/16	100	1420	1290
110477	1-5/8	100	1540	1400
110478	1-13/16	100	1965	1785
110479	1-7/8	100	2085	1965
110480	1-15/16	100	2235	2085
110481	2	100	2435	2235

110 Impact Socket 12 Point Inch (C=1")



- DIN3120 Die forged
- It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
110482	1-7/8	115	1541	1401
110483	4-1/2	115	8338	7580
110484	2-1/8	125	1968	1789

Socket & Accessories P46-P52

④ 111001-124009

111 Flex Ball Joint



- Die forged
- Flexible head can be vertical rotated 90 degrees
- The hole is designed to use with an extension.

Number	C inch	L mm	Be-Cu (g)	Al-Cu (g)
111001	3/4	120	652	582
111002	1	120	1160	1050

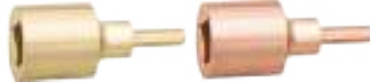
111 Internal Hexagon Socket (C=1/4")



- Die forged
- The hexagon rod was locked with cooper bead.
- Replacable hexagon rod

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
111003	2	55	17	15
111004	2.5	55	17	15
111005	3	55	17	16
111006	4	55	17	16
111007	5	55	22	20
111008	6	55	26	23
111009	7	55	30	27

111 Internal Hexagon Socket (C=1/4")



- Die forged
- The hexagon rod was locked with cooper bead.
- Replacable hexagon rod

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
111010	8	65	45	40
111011	9	65	55	50
111012	10	65	65	60
111013	12	65	85	77

111 Internal Hexagon Socket Inch (C=1/4")



- Die forged
- The hexagon rod was locked with cooper bead.
- Replacable hexagon rod

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
111014	7/64	55	18	16
111015	9/64	55	18	16
111016	1/4	55	28	25

111 Internal Hexagon Socket (C=1/2")



- Die forged
- The hexagon rod was locked with cooper bead.
- Replacable hexagon rod

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
111017	11	40	70	64
111018	12	40	71	65
111019	22	44	144	131
111020	24	47	182	166
111021	27	47	239	217
111022	30	50	293	267
111023	32	50	352	320

111 Internal Hexagon Socket (C=1/2")



- Die forged
- The hexagon rod was locked with cooper bead.
- Replacable hexagon rod

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
111024	4	60	84	76
111025	5	60	85	77
111026	6	60	86	78
111027	7	60	88	80
111028	8	60	94	85
111029	9	60	94	93
111030	10	60	109	99
111031	12	60	121	110
111032	13	60	126	114
111033	14	60	136	124
111034	15	60	148	135
111035	16	60	152	138
111036	17	60	156	142
111037	18	60	162	147
111038	19	62	193	175
111039	20	62	211	192

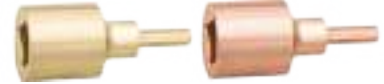
111 Internal Hexagon Socket Inch (C=1/2")



- Die forged
- The hexagon rod was locked with cooper bead.
- Replacable hexagon rod

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
111040	3/16	60	90	81
111041	1/4	60	91	82
111042	9/32	60	92	83
111043	5/16	60	96	88
111044	11/32	60	103	94
111045	3/8	60	107	97
111046	7/16	60	113	103
111047	1/2	60	129	117
111048	9/16	60	137	125
111049	5/8	60	152	138
111050	11/16	60	167	151
111051	3/4	60	170	155

111 Internal Hexagon Socket (C=3/4")



- Die forged
- The hexagon rod was locked with cooper bead.
- Replacable hexagon rod

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
111052	14	100	567	515
111053	17	100	671	610
111054	19	100	737	670
111055	22	100	853	775
111056	24	100	924	840
111057	27	100	1045	950
111058	30	100	1150	1045
111059	36	100	1320	1200

111 Internal Hexagon Socket (C=3/8")



- Die forged
- The hexagon rod was locked with cooper bead.
- Replacable hexagon rod

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
111060	2	47	34	31
111061	2.5	47	35	32
111062	3	47	36	33
111063	4	47	36	33
111064	5	47	40	36
111065	5.5	47	42	38
111066	6	47	43	39
111067	7	47	44	40
111068	8	47	48	43
111069	9	47	65	58
111070	10	47	72	65
111071	11	47	76	70
111072	12	47	82	74
111073	13	47	84	76
111074	14	47	86	78

111 Internal Hexagon Socket (C=3/8")



- Die forged
- The hexagon rod was locked with cooper bead.
- Replacable hexagon rod

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
111075	3	60	35	32
111076	4	60	37	34
111077	5	60	50	45
111078	7	60	60	55

111 Internal Hexagon Socket Inch (C=3/8")



- Die forged
- The hexagon rod was locked with cooper bead.
- Replacable hexagon rod

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
111079	5/64	47	36	33
111080	7/64	47	37	34
111081	9/64	47	37	34
111082	3/16	47	37	34
111083	7/32	47	42	38
111084	1/4	47	42	38
111085	5/16	47	48	43
111086	3/8	47	62	57
111087	7/16	47	76	69
111088	1/2	47	78	71

307017



Chain Hoist With Trolley

111 Socket Wrench, Triangular (C=1/2")



- Die forged
- Used for tighten or loosen triangular bolts and nuts.

Number	M mm	L mm	Be-Cu (g)	Al-Cu (g)
111089	4	40	59	54
111090	5	40	65	59
111091	6	40	68	62
111092	8	40	73	66
111093	10	40	78	71
111094	12	40	77	70
111095	16	50	185	168
111096	20	50	230	209
111097	24	60	346	314

111 Spark Plug Socket



- Die forged
- It is a special tool for manually disassemble and assemble spark plug.

Number	C Inch	S Inch	L mm	Be-Cu (g)	Al-Cu (g)
111098	3/8	5/8	62	180	164
111099	3/8	13/16	62	180	164
111100	1/2	13/16	62	169	156

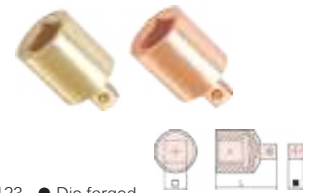
112 Universal Joint



- DIN3123
- Die forged
- It is commonly used in shafts that transmit rotary motion.

Number	C inch	L mm	Be-Cu (g)	Al-Cu (g)
112001	1/4	56	59	54
112002	3/8	60	80	72
112003	1/2	80	189	172
112004	3/4	110	575	523
112005	1	132	1025	920

113 Adaptor



- DIN3123
- Die forged
- Used as a convertor to permit use of sockets and driving tools to different drive sizes.

Number	inch	inch	L mm	Be-Cu (g)	Al-Cu (g)
113001	3/8	1/4	26	27	24
113002	1/2	1/4	32	64	58
113003	1/4	3/8	22	21	19
113004	1/2	3/8	34	72	65
113005	3/4	3/8	50	231	210
113006	1/4	1/2	27	42	38
113007	3/8	1/2	34	47	43
113008	3/4	1/2	55	263	239
113009	1	1/2	70	411	374
113010	1/2	3/4	50	167	152
113011	1	3/4	70	725	648
113012	3/8	1	44	347	312
113013	1/2	1	53	325	295
113014	3/4	1	60	360	320
113015	1-1/2	1	85	1675	1510
113016	1	1-1/2	85	1188	1080

113 Impact Adaptor



- DIN3123
- Die forged
- Used as a convertor to permit use of sockets and driving tools to different drive sizes.

Number	inch	inch	L mm	Be-Cu (g)	Al-Cu (g)
113017	3/4	1/2	55	333	302
113018	1/2	3/4	55	214	194
113019	3/4	1	65	486	442
113020	1	3/4	70	683	621
113021	1-1/2	1	110	2804	2549
113022	1	1-1/2	85	1149	1045

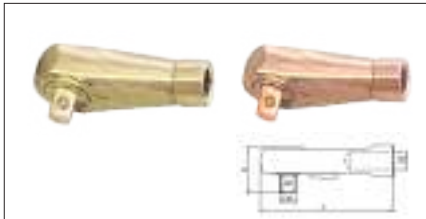
114 Screwdriver Socke



- Die forged
- It is used as a slotted screwdriver when matched with transmission accessories.

Number	C inch	L mm	H mm	B mm	Be-Cu (g)	Al-Cu (g)
114001	1/4	35	1	6	33	30
114002	1/2	52	2	13	104	95

115 Ratchet Wrench



- DIN3122 ● Die forged
- Allow the socket to be turned without removing it from the nut or bolt simply by cycling

Number	C inch	L mm	Φ mm	H mm	Be-Cu (g)	Al-Cu (g)
115001	1/2	150	21	55	1035	930
115002	3/4	160	21	55	1802	1573
115003	1	180	23	60	2468	2213
115004	1-1/2	220	28	80	5149	4635

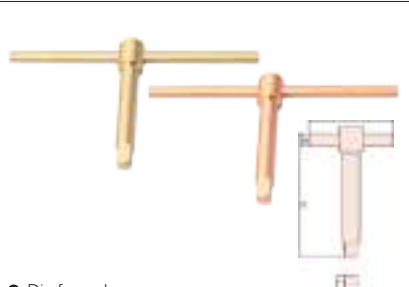
117 Sliding T Handle



- DIN3122 ● Die forged
- Used for driving of manually operated sockets.

Number	C inch	L mm	Φ mm	H mm	Be-Cu (g)	Al-Cu (g)
117001	1/4	115	10	32	116	105
117002	1/4	150	10	32	140	125
117003	1/4	200	10	32	170	155
117004	1/4	250	10	32	200	180
117005	3/8	150	11	37	171	155
117006	3/8	200	11	37	195	175
117007	3/8	250	11	37	230	210
117008	1/2	250	13	39	368	330
117009	1/2	275	13	39	390	350
117010	1/2	320	13	39	457	410
117011	3/4	250	19	54	1027	925
117012	3/4	350	19	54	1164	1045
117013	3/4	400	21	56	1485	1335
117014	1	400	21	62	1685	1515

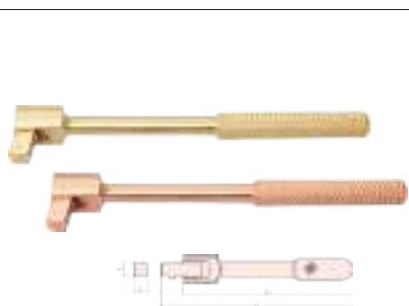
116 Sliding T Type Wrench



- Die forged
- Used for driving of manually operated sockets.

Number	C inch	L mm	Φ mm	H mm	Be-Cu (g)	Al-Cu (g)
116001	1/2	75	16	100	530	480
116002	3/8	200	12	100	336	305
116003	1/2	250	18	150	837	755
116004	3/4	260	19	200	1365	1230
116005	3/4	350	19	200	1726	1555
116006	1	200	21	200	1100	990
116007	1	400	21	200	2590	2330

118 Hinged Handle



- DIN3122 ● Die forged
- This tool allows the user to impart considerable torque to fasteners, especially in cases where corrosion has resulted in a difficult-to-loosen part.

Number	C inch	L mm	L1 mm	Be-Cu (g)	Al-Cu (g)
118001	1/4	162	150	150	136
118002	1/4	190	178	174	159
118003	3/8	190	175	246	224
118004	1/2	250	230	487	443
118005	1/2	320	300	562	511
118006	1/2	400	380	809	735
118007	3/4	286	260	594	540
118008	1	304	270	911	828

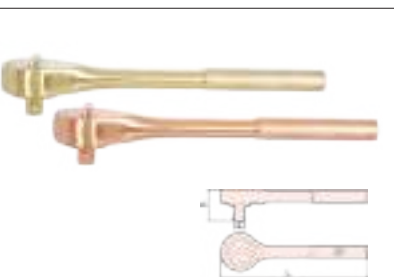
119 Ratchet Wrench



- DIN3122 ● Die forged
- Allow the socket to be turned without removing it from the nut or bolt simply by cycling the handle forward and backward.

Number	C inch	L mm	H mm	Be-Cu (g)	Al-Cu (g)
119001	1/4	175	16	336	306
119002	1/4	200	16	367	367
119003	3/8	175	16	345	308
119004	3/8	200	16	358	349
119005	1/2	250	16	545	502
119006	3/4	300	22	1231	1091
119007	3/4	400	22	1597	1452
119008	1	300	22	1634	1459

120 Ratchet Wrench



- DIN3122 Die forged
- Reversing the direction of operation without detaching the sockets. It has built in mechanisms for both right and left operation.
- The ratchets have replaceable gear-pawl assembly.

Number	C inch	L mm	H mm	Be-Cu (g)	Al-Cu (g)
120001	1/4	125	27	192	174
120002	1/4	130	27	192	174
120003	1/4	150	27	220	200
120004	1/4	200	27	275	250
120005	3/8	200	30	283	245
120006	1/2	245	43	707	644
120007	1/2	300	43	830	755
120008	3/4	200	57	1351	1229
120009	3/4	320	57	1683	1460
120010	1	550	67	3668	3213
120011	1	775	67	4725	4295

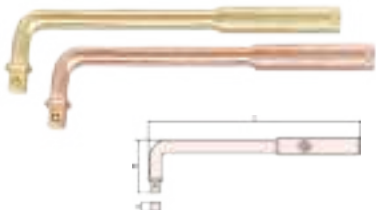
120 Ratchet Wrench



- DIN3122 ● Die forged
- Reversing the direction of operation without detaching the sockets. It has built in mechanisms for both right and left operation.
- The ratchets have replaceable gear-pawl assembly.

Number	C inch	L mm	H mm	Be-Cu (g)	Al-Cu (g)
120012	1/4	130	22.5	144	130
120013	3/8	180	30	366	327
120014	1/2	250	37.5	699	629

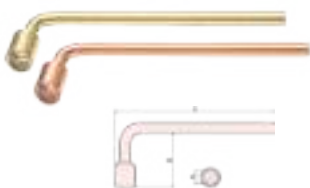
121 Offset Handle



- DIN3122 ● Die forged
- Used for driving manually operated sockets for working in restricted places.

Number	C inch	L mm	H mm	Be-Cu (g)	Al-Cu (g)
121001	1/4	150	35	128	117
121002	3/8	200	50	325	290
121003	3/8	250	50	350	313
121004	1/2	230	60	367	327
121005	3/4	280	75	765	699
121006	1	300	85	1160	1060

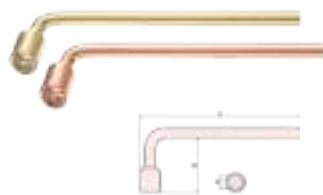
121 Wrench, Socket L-Type



- Die forged
- Tighten or loosen hex bolts and nuts directly.

Number	S mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
121007	5	120	29	42	38
121008	6	120	29	42	38
121009	7	132	30	60	55
121010	8	144	33	66	60

121 Wrench, Socket L-Type



- Die forged
- Tighten or loosen hex bolts and nuts directly.

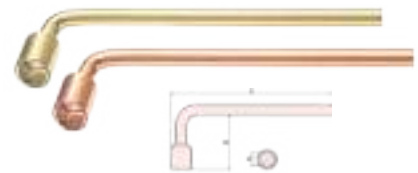
Number	S mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
121011	9	155	37	127	116
121012	10	168	37	144	131
121013	12	216	42	177	158
121014	13	240	45	219	196
121015	14	245	45	265	237
121016	15	245	45	265	237
121017	16	255	48	363	324
121018	17	260	51	374	340
121019	18	270	55	472	340
121020	19	270	55	472	421
121021	20	272	57	520	450
121022	21	278	59	588	525
121023	22	278	59	588	525
121024	23	286	63	774	696
121025	24	286	63	774	696
121026	25	286	63	787	715
121027	27	294	69	865	786
121028	28	294	69	880	800
121029	29	302	75	945	859
121030	30	302	75	999	908
1210231	32	310	81	1073	975

121 Wrench, Socket L-Type



Number	S mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
121032	35	330	85	1300	1150
121033	36	330	85	1300	1150
121034	38	340	90	1513	1375
121035	41	350	90	1630	1455
121036	42	350	90	1720	1563
121037	46	360	95	2048	1862
121038	50	380	100	2112	1920
121039	55	380	100	3250	2955
121040	56	380	100	3457	3143
121041	60	390	100	3465	3150
121042	65	400	110	3477	3161

121 Wrench, Socket L-Type Inch



- Die forged
- Tighten or loosen hex bolts and nuts directly.

Number	S inch	L mm	H mm	Be-Cu (g)	Al-Cu (g)
121043	5/16	144	33	69	63
121044	7/16	216	42	216	196
121045	9/16	245	45	268	244
121046	11/16	260	51	386	351

121 Sliding T Type Wrench



- DIN3122
- Die forged
- Tighten or loosen hex bolts and nuts directly

Number	S mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
121047	6	120	120	94	85
121048	7	120	120	103	94
121049	8	130	130	143	130
121050	9	130	130	155	141
121051	10	140	150	200	182
121052	11	140	150	204	185
121053	12	150	170	254	231
121054	13	150	170	272	247
121055	14	150	170	278	253
121056	15	150	170	286	260
121057	16	170	190	428	389
121058	17	170	190	441	401
121059	18	180	210	540	491
121060	19	180	210	550	500
121061	21	190	240	782	711
121062	22	190	240	791	719
121063	23	200	260	935	850
121064	24	200	270	960	873
121065	27	200	270	1073	975
121066	28	200	270	1251	1132
121067	29	200	280	1253	1139
121068	30	200	280	1333	1212
121069	32	200	280	1468	1335
121070	34	200	280	1573	1430
121071	35	200	280	1806	1642
121072	36	200	280	1858	1689
121073	38	300	290	1986	1805
121074	41	300	290	2143	1929
121075	46	350	300	2404	2165
121076	50	450	310	2614	2353

121 Sliding T Type Wrench (Long Type)



- DIN3122
- Die forged
- Tighten or loosen hex bolts and nuts directly

Number	S mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
121077	10	150	300	235	210
121078	12	150	300	274	245
121079	14	150	300	286	255
121080	17	170	300	435	388
121081	19	180	300	535	480

121 Sliding T Type Wrench 4 Point



- DIN3122
- Die forged
- Tighten or loosen Square bolts and nuts directly

Number	S mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
121082	9	140	150	210	189
121083	12	150	170	264	240
121084	14	170	190	341	310
121085	17	180	210	462	420
121086	19	200	270	715	650
121087	22	200	270	748	680

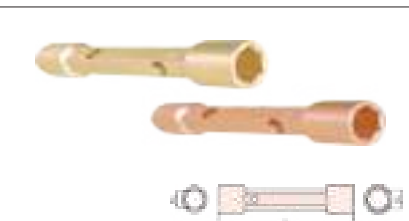
121 Socket, Double End



- DIN3122
- Die forged
- Tighten or loosen hex bolts and nuts directly.
- Suitable for two sizes

Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
121088	5.5*7	105	51	46
121089	6*7	105	52	47
121090	7*8	115	70	65
121091	8*9	115	75	68

121 Socket, Double End



- DIN3122
- Die forged
- Tighten or loosen hex bolts and nuts directly.
- Suitable for two sizes

Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
121092	8*10	115	79	71
121093	9*10	115	116	105
121094	9*11	120	119	108
121095	10*11	120	121	110
121096	10*13	140	160	145
121097	11*13	140	165	149
121098	12*13	140	175	158
121099	12*14	140	182	166
121100	14*15	140	206	184
121101	14*17	140	303	275
121102	16*17	155	440	340
121103	17*19	165	400	363
121104	18*19	165	409	372
121105	19*22	175	471	424
121106	20*22	175	480	428
121107	21*23	185	565	505
121108	21*24	185	582	520
121109	24*26	195	762	680
121110	24*27	195	771	689
121111	25*28	205	1011	902
121112	27*30	210	1085	969
121113	27*32	210	1108	1007
121114	30*32	220	1430	1300
121115	30*36	220	1440	1310
121116	32*36	235	1760	1600

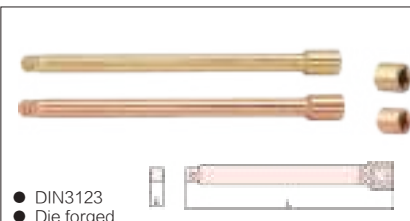
122 Driver Extension



- DIN3123
- Die forged
- Tighten or loosen hex bolts and nuts directly.

Number	C inch	L mm	Be-Cu (g)	Al-Cu (g)
122001	1/4	50	25	23
122002	1/4	75	42	38
122003	1/4	100	60	55
122004	1/4	125	85	77
122005	1/4	150	90	81
122006	1/4	200	96	87
122007	3/8	75	85	78
122008	3/8	100	117	106
122009	3/8	125	140	127
122010	3/8	150	167	152
122011	3/8	200	219	200
122012	3/8	250	268	244
122013	1/2	50	105	96
122014	1/2	75	149	135
122015	1/2	100	192	171

122 Driver Extension



- DIN3123
- Die forged
- Tighten or loosen hex bolts and nuts directly.

Number	C inch	L mm	Be-Cu (g)	Al-Cu (g)
122016	1/2	125	243	221
122017	1/2	150	289	263
122018	1/2	200	381	347
122019	1/2	250	456	415
122020	1/2	300	575	523
122021	1/2	400	778	708
122022	1/2	430	810	736
122023	3/4	100	462	420
122024	3/4	200	880	785
122025	3/4	250	1086	987
122026	3/4	400	1746	1588
122027	3/4	430	2145	1950
122028	1	100	776	706
122029	1	200	1543	1403
122030	1	250	1943	1748

122 Impact Driver Extension



- Q/ZBF-122C
- Die forged
- Tighten or loosen hex bolts and nuts directly.
- Suitable for two sizes

Number	C inch	L mm	Be-Cu (g)	Al-Cu (g)
122054	3/8	250	580	525
122055	1/2	100	242	220
122056	1/2	125	302	275
122057	1/2	150	333	302
122058	1/2	200	393	357
122059	1/2	250	521	474
122060	3/4	125	625	568
122061	3/4	250	1097	997
122062	3/4	375	1617	1470
122063	3/4	600	3150	2863
122064	1	100	1455	1323
122065	1	150	1643	1494
122066	1	200	1793	1630
122067	1	250	2340	2127
122068	1	300	2570	2336

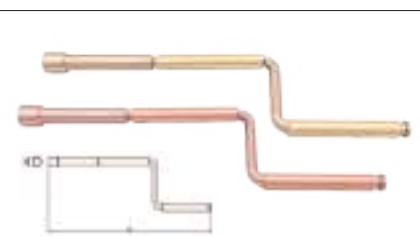
122 Wrench, Socket L Type



- Precision Casting
- Tighten or loosen hex bolts and nuts directly.

Number	S mm	H mm	L mm	Be-Cu (g)	Al-Cu (g)
122031	6	18	102	39	36
122032	7	18	106	52	47
122033	8	22	114	68	62
122034	9	22	122	82	75
122035	10	25	129	109	99
122036	11	25	136	141	128
122037	12	28	144	184	167
122038	13	30	152	200	180
122039	14	32	160	243	221
122040	15	35	169	265	239
122041	16	35	178	325	293
122042	17	40	187	435	396
122043	18	40	195	450	409
122044	19	45	204	588	525
122045	21	50	221	822	748
122046	22	50	230	855	762
122047	24	55	250	1140	1017
122048	27	65	280	1182	1064
122049	28	65	280	1510	1373
122050	30	70	310	2121	1894
122051	32	75	330	2616	2335
122052	34	75	350	2667	2381
122053	36	80	370	2840	2582

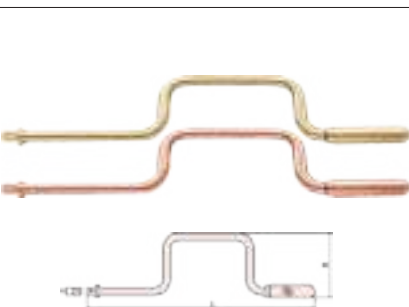
123 Speed Handle 6 Point



- It is used for fastening and disassembling hexagon bolts and nuts. The bow-type shank can be rotated quickly and continuously, making it easy to use.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
123001	17	445	1100	1030
123002	19	445	1150	1050
123003	22	445	1190	1080

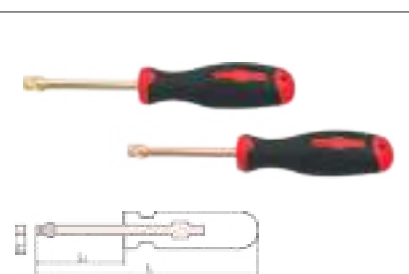
123 Speed Handle



- DIN3122 ● Precision Casting
- Used instead of a ratchet in narrow space.
- Crank-shaped handle can save substantial time and effort.

Number	C inch	H mm	L mm	Be-Cu (g)	Al-Cu (g)
123004	1/4	95	300	470	430
123005	3/8	95	300	470	430
123006	1/2	96	390	775	705

124 Driver Type Handle



- DIN3122
- Die forged
- It is used with 1/4" Dr. Socket.

Number	C inch	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
124001	1/4	55	170	90	82
124002	3/8	55	170	132	120
124003	3/8	65	180	135	122
124004	3/8	80	195	145	132
124005	1/2	80	207	167	152

124 Torque Multiplier



C=1"

ZB-58, ZB-68, ZB-78



C=1/2"

ZB-16

- Precision Casting
- Disassemble or assemble automobile tires efficiently by using planetary gear transmission mechanisms

Number	Size	Trans-mission ratio	Be-Cu (g)	Al-Cu (g)
124006	ZB-16	1:16	2000	1800
124007	ZB-58	1:58	6850	6200
124008	ZB-68	1:68	8050	7300
124009	ZB-78	1:78	8300	7500

311001 Parallel Vice



Al-Cu



Be-Cu



B



Wrenches P53-P112



Safety Tools





Adjustable Wrench/Pipe Wrench P53-P58 ⑤ 125001-131037

1 25 Adjustable Wrench



- QB/T2613.8-2005
- Die forged
- It is suitable for different sizes of fasteners by adjusting the opening size.

Number	L mm	Kmax mm	Be-Cu (g)	Al-Cu (g)
125001	100	13	43	39
125002	150	18	156	140
125003	200	24	277	249
125004	250	30	469	422
125005	300	36	798	718
125006	375	46	1385	1247
125007	450	55	2145	1931
125008	600	65	3780	3402
125009	750	70	4280	3852
125010	900	75	5630	5067
125011	1200	90	7885	7096

1 25 Adjustable Wrench, Plastic Handle



- QB/T2613.8-2005
- Die forged Insulated handle

Number	L mm	Kmax mm	Be-Cu (g)	Al-Cu (g)
125012	100	13	48	43
125013	150	18	166	149
125014	200	24	287	258
125015	250	30	489	440
125016	300	36	838	754
125017	375	46	1415	1274
125018	450	55	2175	1958
125019	600	65	3820	3438

1 25 Adjustable Wrench, Plastic Handle



- QB/T2613.8-2005
- Die forged Plastic Handle

Number	L mm	Kmax mm	Be-Cu (g)	Al-Cu (g)
125020	150	18	143	129
125021	200	24	275	248
125022	250	30	490	441
125023	300	36	755	680

1 25 Adjustable Wrench



- QB/T2613.8-2005
- Die forged Red finish

Number	L mm	Kmax mm	Be-Cu (g)	Al-Cu (g)
125024	100	13	43	39
125025	150	18	156	140
125026	200	24	277	249
125027	250	30	469	422
125028	300	36	798	718
125029	375	46	1385	1247
125030	450	55	2145	1931
125031	600	65	3780	3402

1 25 Adjustable Wrench



- QB/T2613.8-2005
- Die forged Laser scale head

Number	L mm	Kmax mm	Be-Cu (g)	Al-Cu (g)
125032	100	13	43	39
125033	150	18	156	140
125034	200	24	277	249
125035	250	30	469	422
125036	300	36	798	718
125037	375	46	1385	1247
125038	450	55	2145	1931
125039	600	65	3780	3402

1 25 Adjustable Wrench, Plastic Handle



- QB/T2613.8-2005
- Die forged Plastic Handle

Number	L mm	Kmax mm	Be-Cu (g)	Al-Cu (g)
125040	150	18	182	164
125041	200	24	316	284
125042	250	30	530	477
125043	300	36	796	716

1 25 Adjustable Wrench



- QB/T2613.8-2005
- Die forged It is suitable for different sizes of fasteners by adjusting the opening size.

Number	L mm	Kmax mm	Be-Cu (g)	Al-Cu (g)
125044	150	18	130	117
125045	200	24	272	245
125046	250	30	439	395
125047	300	36	702	632

1 25 Adjustable Wrench With Droplet Orofoce



- QB/T2613.8-2005
- Die forged It is suitable for different sizes of fasteners by adjusting the opening size.

Number	L mm	Kmax mm	Be-Cu (g)	Al-Cu (g)
125048	150	18	170	153
125049	200	24	325	293
125050	250	30	552	497
125051	300	36	866	779

1 26 Adjustable Wrench



- Q/ZBF-126
- Precision Casting
- This adjustable wrench can also be used as a hammer

Number	L mm	Kmax mm	H mm	Be-Cu (g)	Al-Cu (g)
126001	250	30	80	1200	1080
126002	300	34	80	1300	1170
126003	350	36	80	1467	1320

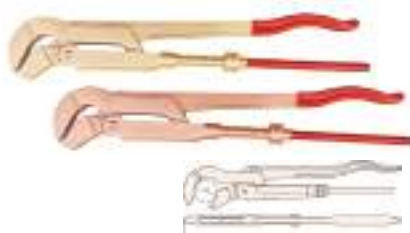
127 Monkey Wrench



- Q/ZBF-127 ● Die forged
- Replace the adjustable wrench by used for heavier task.

Number	L mm	Kmax mm	Be-Cu (g)	Al-Cu (g)
127001	240	45	480	432
127002	255	48	490	441
127003	305	58	867	780
127004	350	65	1295	1166
127005	380	70	1530	1377

128 Wrench, Swedish S Type



- DIN5234 ● Die forged
- Clamp mouth prevent workpiece slidding and ensure the max rotate inrestricted space.

Number	L mm	D inch	Be-Cu (g)	Al-Cu (g)
128005	320	1	910	819
128006	430	1-1/2	1710	1539
128007	530	2	2645	2381
128008	650	3	4552	4097
128009	790	4	6465	5819

129 Wrench, Chain Pipe Light



- Q/ZBF-129A ● Die forged
- Used for tighten or loosen bigger size pipes and pipe fittings.

Number	D mm	L mm	Be-Cu (g)	Al-Cu (g)
129005	100	200	950	855
129006	60	300	1030	927
129007	100	600	2193	1974
129008	200	600	2420	2178
129009	250	1000	5260	4734
129010	450	1600	9280	8160

127 Wrench, Motor



- Q/ZBF-127A ● Die forged
- Wide adjustment range, suitable for heavy duty work.

Number	L mm	Kmax mm	Be-Cu (g)	Al-Cu (g)
127006	250	62	643	579
127007	280	78	950	855
127008	375	82	1255	1130

128 Wrench, Swedish Type 90°



- DIN5234 ● Die forged
- Grip pipe and pipe fittings securely.
- Long handle.

Number	L mm	D mm	Be-Cu (g)	Al-Cu (g)
128010	350	25	965	869
128011	430	38	1550	1395
128012	530	50	2339	2105
128013	630	75	3465	3119

129 Wrench, Belt Pipe



- Q/ZBF-129B Precision Casting
- Strong nylon belt will not slip.
- Prevent the surface from damaging

Number	L mm	L1 mm	Be-Cu (g)	Al-Cu (g)
129011	200	800	550	495
129012	285	900	650	585
129013	350	1000	1313	1182
129014	450	1200	1575	1418

128 Wrench, Swedish Type 45°



- DIN5234 ● Die forged
- Grip pipe and pipe fittings securely.
- Long handle.

Number	L mm	D mm	Be-Cu (g)	Al-Cu (g)
128001	320	25	1005	905
128002	430	38	1630	1467
128003	530	50	2227	2004
128004	650	75	4350	3915

129 Wrench, Chain Pipe



- DIN17200
- Die forged
- Used for tighten or loosen bigger sizes pipes and pipe fittings.

Number	D mm	L mm	Be-Cu (g)	Al-Cu (g)
129001	100	600	4213	3792
129002	150	600	4508	4057
129003	200	900	8772	7895
129004	300	900	9486	8537

129 Universal Wrench



- Q/ZBF-129C
- Precision Casting
- One handed with thumb trigger for quick opening

Number	L mm	D mm	Be-Cu (g)	Al-Cu (g)
129015	250	10-30	785	707
129016	450	30-60	2315	2084

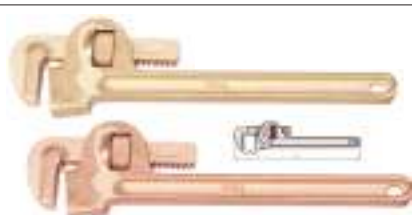
129 Multi-purpose Adjustable Wrench (Japanese Type)



- Used to tighten and disassemble hexagon, quadrangle, octagonal bolts and nuts, round pipe fittings, quickly adjust the opening size, can be operated with one hand.

Number	L mm	D mm	Be-Cu (g)	Al-Cu (g)
129017	240	10-30	410	369
129018	340	30-60	930	837

130 Pipe Wrench



- QB/T2613.10-2005
- Die forged
- Used for disassembling or assembling pipes and fittings.

Number	L mm	D mm	Be-Cu (g)	Al-Cu (g)
130001	200	25	415	374
130002	250	30	590	531
130003	300	40	848	763
130004	350	50	1217	1095
130005	450	60	1879	1691
130006	600	75	3402	3062
130007	900	125	5666	5099
130008	1200	150	11291	10162

130 Pipe Wrench



- QB/T2613.10-2005
- Die forged
- Used for disassembling or assembling pipes and fittings.

Number	L mm	D mm	Be-Cu (g)	Al-Cu (g)
130009	200	25	415	374
130010	250	30	590	531
130011	300	40	848	763
130012	350	50	1217	1095
130013	450	60	1879	1691
130014	600	75	3402	3062
130015	900	125	5666	5099
130016	1200	150	11291	10162

130 Pipe Wrench, British Type



- Die forged
- Used for disassembling or assembling pipes and fittings.

Number	L mm	D mm	Be-Cu (g)	Al-Cu (g)
130017	200	25	365	329
130018	250	30	594	535
130019	300	40	895	806
130020	350	50	1158	1042
130021	450	60	1787	1608
130022	600	75	2957	2661

130 Pipe Wrench, Germany Light Type



- Die forged
- Used for disassembling or assembling pipes and fittings.

Number	L mm	D mm	Be-Cu (g)	Al-Cu (g)
130023	300	60	1225	1103
130024	350	75	1327	1194

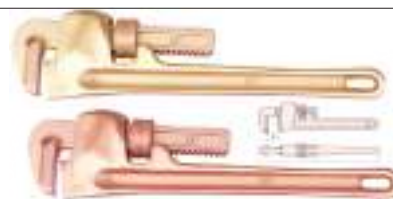
130 Pipe Wrench, Germany Heavy Duty



- QB/T2613.10-2005 Die forged
- Used for disassembling or assembling pipes and fittings.

Number	L mm	D mm	Be-Cu (g)	Al-Cu (g)
130025	250	30	787	708
130026	300	40	1209	1088
130027	350	50	1600	1440
130028	450	60	2225	2003

131 Pipe Wrench, American Type



- QB/T2613.10-2005
- Die forged
- Used for disassembling or assembling pipes and fittings.

Number	L mm	D mm	Be-Cu (g)	Al-Cu (g)
131001	150	20	305	275
131002	200	25	425	383
131003	250	30	760	684
131004	300	40	1100	990
131005	350	50	1434	1291
131006	450	60	2230	2007
131007	600	75	3550	3195
131008	900	85	5428	4885
131009	1200	110	11852	10667

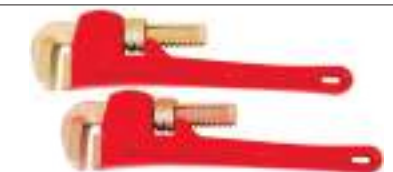
131 Pipe Wrench, American Type



- QB/T2613.10-2005
- Die forged
- Used for disassembling or assembling pipes and fittings.

Number	L mm	D mm	Be-Cu (g)	Al-Cu (g)
131010	200	25	425	383
131011	250	30	760	684
131012	300	40	1100	990
131013	350	50	1434	1291
131014	450	60	2230	2007
131015	600	75	3550	3195
131016	900	85	5428	4885
131017	1200	110	11852	10667

131 Pipe Wrench, American Type



- QB/T2613.10-2005
- Die forged
- Used for disassembling or assembling pipes and fittings.
- Aluminium Handle

Number	L mm	D mm	Be-Cu (g)	Al-Cu (g)
131018	250	30	525	473
131019	300	40	771	694
131020	350	50	1110	999
131021	450	60	1705	1535

131 Wrench, Pipe(Diagonal Type)



- Q/ZBF-131E ● Die forged
- Hexagonal head design increased the contact area with the fasteners.
- The bent head (45 degree angle) can be used for special space.

Number	L mm	D mm	Be-Cu (g)	Al-Cu (g)
131022	200	25	526	473
131023	250	30	894	805
131024	300	40	1551	1396
131025	375	50	1916	1724
131026	450	60	3072	2765

131 Wrench, Pipe(Bent Type)



- Q/ZBF-131C ● Precision Casting
- Used for disassembling or assembling pipes and fittings.
- The bent head (90 degree angle) can be used in special space.

Number	L mm	D mm	Be-Cu (g)	Al-Cu (g)
131027	200	34	538	484
131028	250	48	867	780
131029	300	50	1297	1167
131030	375	60	2104	1894
131031	450	76	2920	2628

131 Wrench, Pipe (Hex Type)



- Q/ZBF-131D ● Precision Casting
- Hexagonal head design increased the contact area with the fasteners and firmly grip.

Number	L mm	D mm	Be-Cu (g)	Al-Cu (g)
131032	250	30	780	702
131033	350	50	1478	1330

131 Wrench, Pipe (Bent & Hex Type)



- Q/ZBF-131E ● Die forged
- Hexagonal head design increased the contact area with the fasteners.
- The bent head (45 degree angle) can be used for special space.

Number	L mm	D mm	Be-Cu (g)	Al-Cu (g)
131034	250	30	1102	984
131035	350	50	1878	1677

131 Wrench, Pipe (Rapid Grip)



- Q/ZBF-131F ● Die forged
- It is adjustable wrench used for disassembling or assembling pipes and fittings, one-hand operated, easy for use.

Number	L mm	D mm	Be-Cu (g)	Al-Cu (g)
131036	250	48	1009	908
131037	350	60	2111	1900

Combination Wrench P58-P62

⑥ 132001-137031

132 Set-9pcs Wrench,Combination



Number	S mm	Be-Cu (g)	Al-Cu (g)
132001	8,10,12,14,17,19,22,24,27	1884	1682

133 Set-11pcs Wrench,Combination



Number	S mm	Be-Cu (g)	Al-Cu (g)
133001	8,10,12,14,17,19,22,24,27,30,32	3424	3057

134 Set-13pcs Wrench,Combination



Number	S mm	Be-Cu (g)	Al-Cu (g)
134001	8,10,12,13,14,16,17,19,22,24,27,30,32	3623	3235

135 Combination Wrench



- DIN3113 ● Die forged
- Both ends generally fit the same size of bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
135001	4	105	22	20
135002	4.5	105	22	20
135003	5	105	22	20
135004	5.5	105	22	20
135005	6	105	22	20
135006	7	120	38	34
135007	8	120	38	34
135008	9	135	50	45
135009	10	135	50	45
135010	11	150	77	69
135011	12	150	77	69
135012	13	170	110	99
135013	14	170	110	99
135014	15	190	162	146
135015	16	190	162	146
135016	17	190	162	146
135017	18	215	219	197
135018	19	215	219	197
135019	20	215	266	239
135020	21	245	266	239

135 Combination Wrench



Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
135021	22	245	255	230
135022	23	265	359	323
135023	24	265	359	323
135024	25	265	359	323
135025	26	290	472	425
135026	27	290	472	425
135027	28	290	652	587
135028	29	320	652	587
135029	30	320	652	587

135 Combination Wrench



- DIN3113 ● Die forged
- Both ends generally fit the same size of bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
135030	31	350	758	682
135031	32	350	758	682
135032	33	385	1050	945
135033	34	385	1050	945
135034	35	420	985	887
135035	36	420	985	887
135036	37	435	1133	1020
135037	38	435	1133	1020
135038	39	435	1366	1229
135039	40	455	1366	1229
135040	41	455	1366	1229
135041	42	455	1366	1229
135042	43	470	1758	1582
135043	44	470	1758	1582
135044	45	490	1758	1582
135045	46	490	1758	1582
135046	47	490	1758	1582

135 Combination Wrench



Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
135047	48	525	2216	1994
135048	49	525	2216	1994
135049	50	525	2216	1994
135050	51	525	2216	1994
135051	52	525	2216	1994
135052	54	560	2504	2254
135053	55	560	2504	2254
135054	56	560	2504	2254
135055	57	560	2504	2254
135056	58	595	2829	2546
135057	60	595	2829	2546
135058	61	595	2829	2546
135059	65	630	2829	2546
135060	70	665	4658	4192
135061	72	665	4650	4192
135062	75	700	5115	4185
135063	76	700	5095	4185
135064	78	735	5948	5353
135065	80	735	5940	5345
135066	82	735	5926	5336
135067	83	770	6260	5634
135068	85	770	6252	5577

135 Combination Wrench, Long Type



- DIN3113 ● Die forged
- Both ends generally fit the same size of bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
135069	6	130	38	34
135070	8	155	68	61
135071	10	155	95	86
135072	12	175	110	99
135073	14	195	160	144
135074	17	210	210	189
135075	19	235	270	243
135076	22	260	352	317
135077	24	285	430	387
135078	27	310	545	491
135079	30	335	670	603
135080	32	365	830	747
135081	36	390	980	882
135082	41	435	1440	1296
135083	46	480	1890	1701
135084	50	525	2220	1998

135 Combination Wrench, Inch



- DIN3113 ● Die forged
- Both ends generally fit the same size of bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
135085	1/4	105	22	20
135086	9/32	120	37	33
135087	5/16	120	39	35
135088	11/32	135	55	50
135089	3/8	135	49	44
135090	13/32	135	55	50
135091	7/16	150	75	68
135092	15/32	150	75	68
135093	1/2	175	103	93
135094	17/32	175	105	95
135095	9/16	175	102	92
135096	19/32	195	152	137
135097	5/8	195	153	138
135098	21/32	195	155	140
135099	11/16	195	153	138
135100	23/32	215	220	198
135101	3/4	215	187	168
135102	25/32	230	275	248
135103	13/16	230	265	239

135 Combination Wrench, Inch



- DIN3113 ● Die forged
- Both ends generally fit the same size of bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
135104	7/8	245	258	232
135105	15/16	265	340	306
135106	1	290	501	451
135107	1-1/16	290	452	407
135108	1-1/8	320	673	606
135109	1-3/16	320	652	587
135110	1-7/32	340	770	693
135111	1-1/4	340	843	759
135112	1-9/32	340	690	621
135113	1-5/16	360	772	695
135114	1-3/8	360	1051	946
135115	1-7/16	360	935	842
135116	1-1/2	395	1210	1089
135117	1-9/16	430	1155	1040
135118	1-5/8	430	1386	1247

135 Combination Wrench, Inch



Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
135119	1-11/16	480	1320	1188
135120	1-3/4	480	1733	1560
135121	1-13/16	480	1617	1455
135122	1-7/8	480	1788	1609
135123	1-15/16	520	1848	1663
135124	2	520	1964	1768
135125	2-1/16	560	2728	2455
135126	2-1/8	560	2365	2129
135127	2-3/16	560	2343	2109
135128	2-1/4	595	2816	2534
135129	2-5/16	595	2877	2589
135130	2-3/8	595	2530	2277
135131	2-7/16	595	3300	2970
135132	2-1/2	595	2475	2228
135133	2-9/16	595	3058	2752
135134	2-5/8	595	2981	2683
135135	2-11/16	630	4873	4386
135136	2-3/4	630	4758	4282
135137	2-13/16	630	4664	4198
135138	2-7/8	630	4538	4084
135139	2-15/16	630	4367	3930
135140	3	630	4345	3911

136 Combination Wrench



- DIN3113 ● Die forged
- Both ends generally fit the same size of bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
136001	3	105	24	22
136002	4	105	24	22
136003	5	105	24	22
136004	5.5	105	25	23
136005	6	105	25	23
136006	7	120	30	27
136007	8	120	30	27
136008	9	135	51	46
136009	10	135	51	46
136010	11	150	81	73
136011	12	150	81	73
136012	13	175	112	101
136013	14	175	112	101
136014	15	195	153	138
136015	16	195	153	138
136016	17	195	153	138

136 Combination Wrench



Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
136017	18	215	204	184
136018	19	215	204	184
136019	20	215	204	184
136020	21	245	316	284
136021	22	245	316	284
136022	23	265	367	330
136023	24	265	367	330
136024	25	265	367	330
136025	26	290	490	441
136026	27	290	490	441
136027	28	290	490	441
136028	29	320	643	579
136029	30	320	643	579

136 Combination Wrench



- DIN3113 ● Die forged
- Both ends generally fit the same size of bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
136030	31	340	805	725
136031	32	340	805	725
136032	33	340	805	725
136033	34	360	1040	936
136034	35	360	1040	936
136035	36	360	1040	936
136036	37	360	1040	936
136037	38	395	1468	1321
136038	39	395	1468	1321
136039	40	430	1479	1331
136040	41	430	1479	1331
136041	42	430	1479	1331
136042	45	480	1865	1679
136043	46	480	1865	1679
136044	48	520	2203	1983

136 Combination Wrench



Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
136045	50	520	2203	1983
136046	52	520	2203	1983
136047	55	560	2754	2479
136048	60	595	3080	2772
136049	65	625	3080	2772
136050	70	650	4590	4131
136051	75	675	4590	4131
136052	80	700	7650	6885
136053	85	725	7650	6885
136054	90	750	8670	7803
136055	95	775	8670	7803

136 Combination Wrench



- DIN3113 ● Die forged
- Both ends generally fit the same size of bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
136056	100	800	9996	8996
136057	110	825	12597	11337
136058	115	850	12597	11337
136059	120	900	14076	12668
136060	125	925	14076	12668

136 Combination Wrench, Long Type



- DIN3113 ● Die forged
- Both ends generally fit the same size of bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
136061	6	130	38	34
136062	8	155	68	61
136063	10	155	95	86
136064	12	175	110	99
136065	14	195	160	144
136066	17	210	210	189
136067	19	235	270	243
136068	22	260	352	317
136069	24	285	430	387
136070	27	310	545	491
136071	30	335	670	603
136072	32	365	830	747
136073	36	390	980	882
136074	41	435	1507	1356
136075	46	480	1900	1710
136076	50	525	2125	1913



136 Combination Wrench, Inch



- DIN3113 ● Die forged
- Both ends generally fit the same size of bolts and nuts.

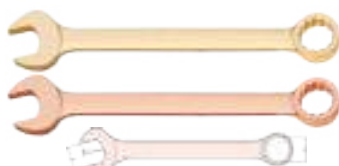
Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
136077	1/4	105	24	22
136078	9/32	120	30	27
136079	5/16	120	30	27
136080	11/32	135	46	41
136081	3/8	135	52	47
136082	13/32	135	52	47
136083	7/16	150	77	69
136084	1/2	175	77	69
136085	9/16	175	110	99
136086	19/32	195	165	149
136087	5/8	195	165	149
136088	11/16	195	165	149
136089	3/4	215	209	188
136090	25/32	215	280	252
136091	13/16	245	281	253
136092	7/8	245	286	257
136093	15/16	265	347	312
136094	31/32	265	360	324

136 Combination Wrench, Inch



Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
136095	1	290	457	411
136096	1-1/16	290	462	416
136097	1-1/8	320	726	653
136098	1-3/16	320	600	540
136099	1-1/4	340	787	708
136100	1-5/16	360	1040	936
136101	1-3/8	360	1018	916
136102	1-7/16	360	990	891
136103	1-1/2	395	1500	1350
136104	1-9/16	430	1400	1260

136 Combination Wrench, Inch



- DIN3113 ● Die forged
- Both ends generally fit the same size of bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
136105	1-5/8	430	1300	1170
136106	1-11/16	480	1900	1710
136107	1-3/4	480	1830	1647
136108	1-13/16	480	1740	1566
136109	1-27/32	480	1540	1386
136110	1-7/8	520	2150	1935
136111	1-15/16	520	2160	1944
136112	2	520	2200	1980
136113	2-1/16	560	2560	2304
136114	2-1/8	560	2520	2268
136115	2-1/4	595	3200	2880
136116	2-1/2	595	3780	3402

136 Combination Wrench, Inch



Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
136117	2-5/8	595	3700	3330
136118	2-3/4	630	5346	4811
136119	2-13/16	630	5451	4906
136120	3	630	4500	4050
136121	3-1/8	660	7970	7173
136122	3-3/8	660	6600	5940
136123	3-1/2	720	8569	7712
136124	3-3/4	720	9500	8550
136125	3-7/8	780	11160	10044
136126	4-1/8	780	10500	9450
136127	4-1/4	840	13030	11727
136128	4-1/2	840	12000	10800

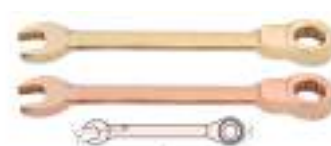
136 Wrench, Combination Ratchet



- Q/ZBF-136A ● Precision Casting
- Different with the combination wrench, the ring end adopts ratchet structure.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
136129	5.5	105	87	76
136130	6	155	87	76
136131	7	155	88	79
136132	8	155	88	79
136133	9	165	102	92
136134	10	165	114	96
136135	11	175	120	105
136136	12	175	126	118
136137	13	190	158	133
136138	14	190	158	133
136139	15	220	163	147
136140	16	220	240	216
136141	17	220	254	211
136142	18	240	302	256
136143	19	240	302	256
136144	20	270	330	297
136145	21	270	430	387

136 Wrench, Combination Ratchet



Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
136146	22	270	439	378
136147	23	290	515	418
136148	24	290	519	442
136149	25	290	550	495
136150	26	315	650	585
136151	27	315	653	580
136152	28	315	843	759
136153	30	350	837	730
136154	32	370	884	796
136155	36	390	1360	1224
136156	41	430	1888	1699
136157	46	485	2437	2193
136158	50	520	2951	2656
136159	55	520	3055	2750
136160	60	560	3609	3248
136161	65	560	4187	3768

136 Wrench, Combination Ratchet, Inch



- Q/ZBF-136A ● Precision Casting
- Different with the combination wrench, the ring end adopts ratchet structure.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
136162	3/8	165	121	109
136163	7/16	175	127	114
136164	1/2	190	179	161
136165	9/16	190	179	161
136166	5/8	220	300	270
136167	3/4	240	300	270
136168	13/16	270	462	416
136169	7/8	270	462	416
136170	15/16	290	485	437
136171	1	315	710	639
136172	1-1/16	315	710	639
136173	1-1/8	350	843	759
136174	1-1/4	370	1040	936

136 Wrench, Combination Ratchet Adjustable



- Q/ZBF-136B ● Precision Casting
- Different with the combination wrench, the ring end adopts ratchet structure.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
136175	7	160	120	108
136176	8	160	120	108
136177	10	165	134	120
136178	12	175	162	145
136179	14	190	197	177
136180	17	220	289	250
136181	19	240	357	314
136182	22	270	506	452
136183	24	300	551	486
136184	27	320	610	549

137 Combination Wrench, Offset



- Q/ZBF-137 ● Die forged
- The offset box end can be used in deep concavity position.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
137001	8	145	90	81
137002	9	155	93	84
137003	10	165	98	88
137004	11	180	130	117
137005	12	180	130	117
137006	13	205	173	156
137007	14	205	173	156
137008	15	240	254	229
137009	17	240	275	248
137010	18	270	312	281
137011	19	270	377	339
137012	20	290	442	398
137013	21	290	448	403

137 Combination Wrench, Offset



Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
137014	22	295	491	442
137015	24	320	493	444
137016	26	350	642	578
137017	27	350	642	578
137018	30	370	860	774
137019	32	385	1065	959
137020	34	430	1519	1367
137021	36	430	1519	1367
137022	41	450	1675	1508
137023	46	480	2033	1830
137024	52	560	2685	2417
137025	55	585	2985	2687
137026	60	615	3290	2961

137 Combination Wrench, Offset Inch



- Q/ZBF-137 ● Die forged
- The offset box end can be used in deep concavity position.

Number	S Inch	L mm	Be-Cu (g)	Al-Cu (g)
137027	7/16	180	130	117
137028	5/8	240	254	229
137029	7/8	295	491	442
137030	15/16	316	493	444
137031	1	345	620	558

Open End \ Striking Open P62-P74

⑦ 138001-147063

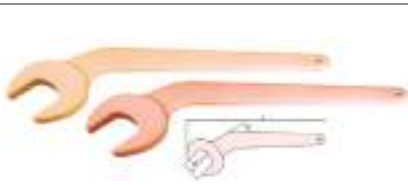
138 Wrench, Bent Open End



- QB/T2613.1 ● Die forged
- The bent open end can be used in narrow space.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
138001	12	120	61	55
138002	14	130	91	82
138003	17	150	142	128
138004	18	170	214	193
138005	19	170	214	193
138006	21	190	219	197
138007	22	190	250	225
138008	24	210	346	311
138009	26	230	428	385
138010	27	230	428	385
138011	29	250	550	495
138012	30	250	561	505
138013	32	270	632	569
138014	34	280	826	743
138015	36	290	918	826
138016	38	310	1203	1083
138017	41	310	1203	1083
138018	45	330	1601	1441

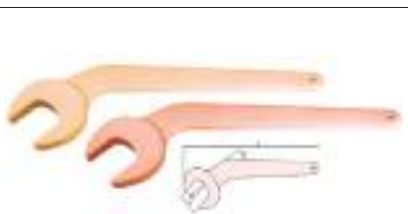
138 Wrench, Bent Open End



- QB/T2613.1 ● Die forged
- The bent open end can be used in narrow space.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
138019	46	330	1406	1265
138020	50	350	1785	1607
138021	55	370	2346	2111
138022	60	390	3000	2700
138023	65	410	4000	3600
138024	70	430	4300	3870
138025	75	450	4821	4339
138026	80	470	6189	5570
138027	85	470	6189	5570
138028	90	540	6266	5639

138 Wrench, Bent Open End Inch



- QB/T2613.1 ● Die forged
- The bent open end can be used in narrow space.

Number	S Inch	L mm	Be-Cu (g)	Al-Cu (g)
138029	1/4	87	26	23
138030	5/16	100	30	27
138031	1/2	130	91	82
138032	5/8	150	142	128
138033	1-1/8	250	550	495

138 Wrench, Offset Open End Long Type



- QB/T2613.1 ● Die forged
- The bent open end can be used in narrow space.

Number	S mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
138034	38	515	9	1300	1170
138035	42	560	10	1490	1341

139 Wrench, Construction with Pin



- QB/T2613.1 ● Die forged
- The sharp tail has a variety of uses.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
139001	17	220	137	131
139002	18	240	191	163
139003	19	240	191	163
139004	21	260	255	233
139005	22	260	255	233
139006	24	280	306	263
139007	26	300	385	350
139008	27	300	385	350
139009	30	320	503	436
139010	32	340	575	530
139011	34	360	722	655
139012	35	360	722	678
139013	36	360	722	678
139014	38	380	944	873
139015	41	380	944	873
139016	42	380	944	873
139017	46	400	1114	1003
139018	50	420	1213	1082
139019	55	450	1586	1444
139020	60	480	1913	1706

139 Wrench, Construction with Pin, Inch



- QB/T2613.1 ● Die forged
- The sharp tail has a variety of uses.

Number	S Inch	L mm	Be-Cu (g)	Al-Cu (g)
139021	3/4	240	280	252
139022	7/8	260	320	288
139023	1-1/16	300	380	342
139024	1-1/2	380	988	889
139025	2-3/8	480	1956	1760
139026	3-1/8	630	4684	4216

139 Wrench, Construction with Pin, Long Type



- QB/T2613.1 ● Die forged
- The sharp tail has a variety of uses.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
139027	19	330	361	325
139028	22	350	361	325
139029	24	370	455	410
139030	27	390	455	410
139031	30	410	626	563
139032	32	430	702	632
139033	36	450	900	810
139034	41	470	1328	1195
139035	46	495	1533	1380

140 Wrench, Single Open End



- DIN894 ● Die forged
- Used to tighten or loosen bolts and nuts, lightweight but more efficient

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
140001	5.5	90	12	11
140002	6	90	12	11
140003	7	100	18	16
140004	8	100	18	16
140005	9	110	27	24
140006	10	110	27	24
140007	11	120	41	37
140008	12	120	41	37
140009	13	140	66	59
140010	14	140	66	59
140011	15	140	82	74
140012	16	160	82	74
140013	17	160	82	74
140014	18	180	106	95
140015	19	180	106	95
140016	20	180	106	95
140017	21	200	167	150
140018	22	200	167	150
140019	23	220	211	190
140020	24	220	211	190

140 Wrench, Single Open End



- DIN894 ● Die forged
- Used to tighten or loosen bolts and nuts, lightweight but more efficient

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
140021	25	220	211	190
140022	26	240	303	273
140023	27	240	303	273
140024	28	240	303	273
140025	29	260	325	293
140026	30	260	325	293
140027	31	280	404	364
140028	32	280	404	364
140029	33	300	517	465
140030	34	300	517	465
140031	35	320	530	477
140032	36	320	530	477
140033	37	340	583	525
140034	38	340	583	525

140 Wrench, Single Open End



Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
140035	39	340	675	608
140036	40	360	675	608
140037	41	360	675	608
140038	42	360	675	608
140039	43	380	827	744
140040	44	380	827	744
140041	45	400	827	744
140042	46	400	827	744
140043	47	400	827	744
140044	48	420	1193	1074
140045	49	420	1193	1074
140046	50	420	1193	1074
140047	51	420	1193	1074
140048	52	420	1193	1074

140 Wrench, Single Open End



- DIN894 ● Die forged
- Used to tighten or loosen bolts and nuts, lightweight but more efficient

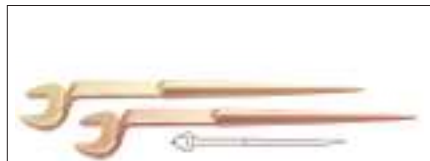
Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
140049	54	460	1470	1323
140050	55	460	1470	1323
140051	56	460	1470	1323
140052	60	500	1852	1667
140053	61	500	1852	1667
140054	62	500	1852	1667
140055	63	540	2238	2014
140056	64	540	2238	2014
140057	65	540	2238	2014
140058	66	540	2238	2014
140059	67	540	2238	2014
140060	70	580	2890	2601
140061	71	580	2890	2601

140 Wrench, Single Open End



Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
140062	73	620	3580	3222
140063	75	620	3580	3222
140064	77	620	3580	3222
140065	80	660	4395	3956
140066	82	660	4395	3956
140067	85	700	5301	4771
140068	90	740	6982	6284
140069	95	780	6982	6284
140070	96	780	6982	6284
140071	100	820	10043	9039
140072	105	860	10043	9039
140073	110	900	10043	9039
140074	115	940	10043	9039
140075	120	980	12191	10972

140 Wrench, Construction, Offset Type with Pin



- GB/T 4388 ● Die forged
- The sharp tail has a variety of uses.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
140076	16	320	295	266
140077	17	320	295	266
140078	18	350	330	297
140079	19	350	330	297
140080	21	350	330	297
140081	22	350	330	297
140082	23	370	494	445
140083	24	370	494	445
140084	26	370	623	561
140085	27	370	623	561
140086	28	370	623	561
140087	29	400	875	788
140088	30	400	875	788
140089	32	400	880	792
140090	33	400	880	792
140091	36	430	1044	940
140092	37	430	1044	940
140093	38	470	1356	1220
140094	41	470	1356	1220
140095	46	500	1568	1411
140096	47	500	1568	1411
140097	50	530	1956	1760
140098	55	560	2584	2326

308015



Heavy Duty Chain Hoist

140 Wrench, Construction, Offset Type with Pin, Inch



- GB/T 4388 ● Die forged
- The sharp tail has a variety of uses.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
140099	11/16	320	227	204
140100	3/4	350	329	296
140101	25/32	350	329	296
140102	13/16	350	409	368
140103	1-1/16	370	620	558
140104	1-1/8	400	874	787
140105	1-1/4	400	874	787
140106	1-5/16	400	874	787
140107	1-7/16	430	971	874
140108	1-1/2	470	1325	1193
140109	1-9/16	470	1418	1276
140110	1-5/8	470	1448	1303
140111	1-11/16	470	1448	1303
140112	1-13/16	500	1478	1330
140113	1-7/8	500	1527	1374
140114	2	530	1826	1643
140115	2-1/4	560	2026	1823

140 T-Handle Wrench



- Q/ZBF-140C
- Die forged
- Used to tighten or loosen bolts and nuts, lightweight but more efficient.

Number	S mm	K mm	L mm	Be-Cu (g)	Al-Cu (g)
140116	8	5	215	146	131
140117	10	6	215	146	131
140118	12	8	215	161	145
140119	14	10	215	167	150

140 Wrench, Single Open End



- Q/ZBF-140G ● Die forged
- Used to tighten or loosen bolts and nuts, lightweight but more efficient

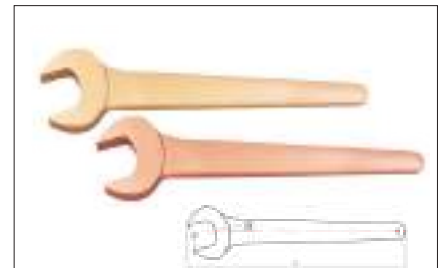
Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
140120	5	100	23	12
140121	5.5	100	23	12
140122	6	100	28	17
140123	7	105	48	32
140124	8	105	55	46
140125	9	115	70	58
140126	10	115	73	65
140127	11	125	85	70
140128	12	125	85	77
140129	14	130	92	80
140130	16	150	98	88
140131	17	150	124	112
140132	19	160	165	112
140133	20	160	189	170
140134	21	180	235	170
140135	22	180	265	239
140136	23	185	232	209
140137	24	195	265	239
140138	25	200	275	248
140139	26	220	280	252
140140	27	225	306	275
140141	28	235	415	374
140142	29	240	435	392
140143	30	255	480	432

140 Wrench, Single Open End



Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
140144	32	275	632	569
140145	33	285	680	612
140146	34	285	680	612
140147	35	290	918	826
140148	36	300	918	826
140149	38	305	922	830
140150	39	310	970	873
140151	40	320	1091	982

140 Wrench, Single Open End



- Q/ZBF-140G ● Die forged
- Used to tighten or loosen bolts and nuts, lightweight but more efficient

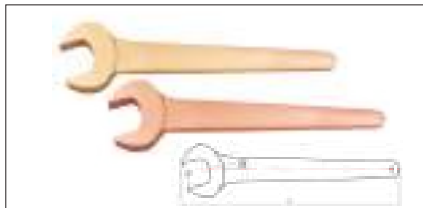
Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
140152	41	325	1091	982
140153	42	325	1091	982
140154	44	340	1150	1035
140155	45	350	1150	1035
140156	46	350	1295	1166
140157	47	350	1295	1166
140158	48	360	1485	1337
140159	50	370	1809	1628
140160	52	390	2067	1860
140161	54	400	2143	1929
140162	55	400	2221	1999
140163	56	400	2221	1999
140164	57	400	2221	1999
140165	58	420	2657	2391
140166	60	425	2660	2394
140167	65	450	3547	3192
140168	70	475	3878	3490
140169	73	500	4505	4055
140170	75	500	4935	4442
140171	80	525	5522	4970
140172	85	540	6424	5782
140173	95	560	7114	6403
140174	100	565	8020	7218
140175	106	570	8157	7341
140176	107	570	8157	7341
140177	110	580	9829	8846
140178	120	585	10812	9731

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Insulated Screwdriver Set

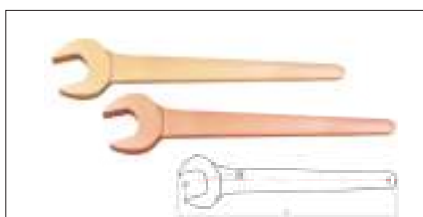
140 Wrench, Single Open End Inch



- Q/ZBF-140G ● Die forged
- Used to tighten or loosen bolts and nuts, lightweight but more efficient

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
140179	3/8	102	33	30
140180	7/16	112	43	39
140181	1/2	118	65	59
140182	9/16	124	75	68
140183	11/16	143	124	112
140184	3/4	157	152	137
140185	13/16	170	180	162
140186	7/8	180	198	178
140187	15/16	196	255	230
140188	1	205	258	232
140189	1-1/16	225	300	270
140190	1-1/8	235	400	360
140191	1-3/16	255	438	394
140192	1-1/4	275	575	518
140193	1-5/16	280	625	563
140194	1-1/2	310	850	765
140195	1-3/4	350	1250	1125
140196	1-13/16	350	1270	1143
140197	2-3/16	400	2060	1854
140198	2-1/4	410	2110	1899

140 Wrench, Single Open End Inch Long Type



- Q/ZBF-140G ● Die forged
- Used to tighten or loosen bolts and nuts, lightweight but more efficient

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
140199	12	150	149	134
140200	17	190	162	146
140201	24	220	287	258
140202	28	300	817	735
140203	30	360	901	811
140204	32	380	944	850
140205	36	420	1355	1220
140206	41	460	1925	1733
140207	42	480	1948	1753
140208	46	500	2392	2153

140 Wrench, Single Open End Inch Long Type



- Q/ZBF-140G ● Die forged
- Used to tighten or loosen bolts and nuts, lightweight but more efficient

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
140209	50	520	2450	2205
140210	51	520	2970	2673
140211	55	550	3990	3591
140212	70	600	4452	4007
140213	75	790	4765	4289

141 Wrench, Striking Open



- DIN133 ● Die forged
- Used with a hammer to loosen or tighten large bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
141001	8	100	52	47
141002	10	110	52	47
141003	12	120	52	47
141004	13	130	98	88
141005	14	130	98	88
141006	16	140	149	134
141007	17	140	149	134
141008	18	150	149	134
141009	19	150	156	140
141010	20	150	200	180
141011	21	160	200	180
141012	22	160	200	180
141013	23	170	245	221
141014	24	170	245	221
141015	25	170	245	221
141016	26	180	404	364
141017	27	180	404	364
141018	28	180	404	364

141 Wrench, Striking Open



- DIN133 ● Die forged
- Used with a hammer to loosen or tighten large bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
141019	29	195	510	459
141020	30	195	510	459
141021	31	215	527	474
141022	32	215	527	474
141023	33	230	527	474
141024	34	230	766	689
141025	35	240	766	689
141026	36	240	766	689
141027	37	250	766	689
141028	38	250	941	847
141029	39	250	941	847

141 Wrench, Striking Open



Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
141030	40	260	1058	952
141031	41	260	1058	952
141032	42	260	1058	952
141033	43	270	1320	1188
141034	44	270	1320	1188
141035	45	280	1320	1188
141036	46	280	1320	1188
141037	47	280	1320	1188
141038	48	275	1572	1415
141039	49	295	1572	1415
141040	50	295	1572	1415
141041	51	295	1572	1415
141042	52	295	2138	1924

141 Wrench, Striking Open



- DIN133 ● Die forged
- Used with a hammer to loosen or tighten large bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
141043	53	310	2138	1924
141044	54	310	2138	1924
141045	55	310	2138	1924
141046	56	310	2265	2006
141047	57	310	2395	2156
141048	58	325	2395	2156
141049	60	325	2395	2156
141050	62	325	3156	2840
141051	63	340	3156	2840
141052	64	340	3156	2840
141053	65	340	3156	2840
141054	67	340	4239	3815

141 Wrench, Striking Open



Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
141055	68	355	4239	3815
141056	70	355	4239	3815
141057	71	355	4239	3815
141058	72	355	4636	4172
141059	74	370	4636	4172
141060	75	370	4636	4172
141061	76	370	5280	4882
141062	77	370	5880	5292
141063	78	400	5880	5292
141064	80	400	5880	5292
141065	82	400	5814	5233
141066	85	400	5814	5233
141067	87	400	8140	7326
141068	88	440	8140	7326
141069	90	440	8140	7326
141070	94	440	7713	6942

141 Wrench, Striking Open



- DIN133 ● Die forged
- Used with a hammer to loosen or tighten large bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
141071	95	440	7713	6942
141072	96	440	7713	6942
141073	98	480	12091	10882
141074	100	480	12091	10882
141075	105	480	12139	10925
141076	108	515	14395	12956
141077	110	515	13964	12568
141078	115	515	14968	13471
141079	118	550	16530	14877
141080	120	550	15939	14345
141081	125	550	17160	15444
141082	126	550	16270	14643
141083	130	580	18249	16424
141084	135	580	19248	17323
141085	140	610	20549	18494
141086	145	610	22678	20410
141087	150	640	25345	22811

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Insulated Tools Set-46Pcs

141 Wrench, Striking Open Inch



- DIN133 ● Die forged
- Used with a hammer to loosen or tighten large bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
141088	3/8	100	52	47
141089	1/2	120	98	88
141090	9/16	120	98	88
141091	5/8	125	151	136
141092	11/16	125	144	130
141093	3/4	125	178	160
141094	25/32	135	215	194
141095	13/16	135	210	189
141096	7/8	135	205	185
141097	15/16	150	233	210
141098	31/32	150	232	209
141099	1	150	229	206
141100	1-1/16	175	398	358
141101	1-1/8	190	530	477
141102	1-3/16	190	526	473
141103	1-1/4	200	550	495

141 Wrench, Striking Open Inch



Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
141104	1-5/16	200	536	482
141105	1-3/8	210	770	693
141106	1-7/16	210	758	682
141107	1-1/2	220	953	858
141108	1-9/16	230	1163	1047
141109	1-5/8	230	1063	957
141110	1-11/16	250	1530	1377
141111	1-3/4	250	1390	1251
141112	1-13/16	250	1340	1206
141113	1-7/8	275	1675	1508
141114	1-15/16	275	1620	1458
141115	2	275	1558	1402
141116	2-1/16	305	2135	1922
141117	2-1/8	305	2025	1823

141 Wrench, Striking Open, Inch



- DIN133 ● Die forged
- Used with a hammer to loosen or tighten large bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
141118	2-3/16	305	2033	1830
141119	2-1/4	315	2662	2396
141120	2-5/16	315	2553	2298
141121	2-3/8	315	2443	2199
141122	2-7/16	335	3454	3109
141123	2-1/2	335	3315	2984
141124	2-9/16	335	3211	2890
141125	2-5/8	370	4415	3974
141126	2-3/4	370	4198	3778
141127	2-13/16"	370	4108	3697
141128	2-7/8	375	4537	4083
141129	2-15/16	375	4487	4038
141130	3	375	6394	5755
141131	3-1/8	400	6064	5458
141132	3-3/16	400	6064	5458
141133	3-1/4	420	6365	5729

141 Wrench, Striking Open, Inch



Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
141134	3-3/8	420	6064	5458
141135	3-1/2	445	7926	7133
141136	3-9/16	445	7721	6949
141137	3-3/4	465	7721	6949
141138	3-13/16	465	7653	6888
141139	3-7/8	485	12835	11552
141140	4	485	12139	10925
141141	4-1/4	513	14395	12956
141142	4-5/16	513	13964	12568
141143	4-5/8	530	14968	13471
141144	5-3/8	585	19248	17323

141 Wrench, Striking Open



- Q/ZBF-141A ● Precision Casting
- Used with a hammer to loosen or tighten large bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
141145	17	130	122	110
141146	19	140	173	156
141147	19	140	173	156
141148	21	155	275	248
141149	22	155	275	248
141150	24	165	336	302
141151	26	170	438	394
141152	27	175	438	394
141153	28	175	476	416
141154	29	185	490	441
141155	30	185	490	441
141156	31	195	592	533
141157	32	195	592	533
141158	34	200	774	697
141159	35	205	820	738
141160	36	210	836	752
141161	38	215	936	842

141 Wrench, Striking Open



Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
141162	41	225	1020	918
141163	42	225	1020	918
141164	45	240	1215	1100
141165	46	240	1275	1148
141166	50	255	1632	1469
141167	52	255	1750	1534
141168	55	270	2346	2111
141169	56	275	2440	2200
141170	57	275	2506	2315
141171	60	285	2754	2479
141172	63	305	3427	3084
141173	65	305	3427	3084
141174	67	310	3405	3065
141175	70	325	4222	3800

141 Wrench, Striking Open



- Q/ZBF-141A ● Precision Casting
- Used with a hammer to loosen or tighten large bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
141176	71	325	4222	3800
141177	73	345	4875	4388
141178	75	345	4896	4406
141179	76	345	5406	4865
141180	80	365	5406	4865
141181	85	380	6670	6003
141182	90	385	6901	6211
141183	95	390	7219	6497
141184	100	405	7998	7198
141185	105	415	8483	7635
141186	110	420	9021	8119
141187	115	440	9550	8595

141 Wrench, Striking Open, Inch



- Q/ZBF-141A ● Precision Casting
- Used with a hammer to loosen or tighten large bolts and nuts.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
141188	1	175	438	394
141189	1-1/16	175	438	394
141190	1-1/4	195	592	533
141191	1-5/8	225	1020	918
141192	2	255	1632	1469
141193	3	345	4896	4406
141194	3-1/8	365	5406	4865
141195	3-1/4	385	5460	4914
141196	3-5/8	405	6060	5454
141197	3-7/8	430	6670	6003

141 Wrench, Bent Striking Open



- Q/ZBF-141B ● Die forged
- Different from the slogging open, the bent head (45 degree angle) can be used in special space.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
141198	13	120	136	122
141199	14	120	136	122
141200	17	140	146	131
141201	18	140	172	155
141202	19	140	172	155
141203	20	140	172	155
141204	22	150	180	162
141205	24	150	264	238
141206	25	150	264	238
141207	26	175	414	373
141208	27	175	414	373
141209	29	190	572	515
141210	30	190	572	515

141 Wrench, Bent Striking Open



Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
141211	31	190	581	523
141212	32	190	581	523
141213	34	210	750	675
141214	36	210	750	675
141215	38	230	1120	1008
141216	40	230	1056	950
141217	41	230	1056	950
141218	42	230	1056	950
141219	44	250	1409	1268
141220	45	250	1409	1268
141221	46	250	1409	1268
141222	48	275	1761	1585
141223	50	275	1761	1585
141224	52	275	1761	1585
141225	55	305	2200	1980
141226	60	315	2642	2378

141 Wrench, Bent Striking Open



- Q/ZBF-141B ● Die forged
- Different from the slogging open, the bent head (45 degree angle) can be used in special space.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
141227	63	335	3815	3434
141228	65	335	3815	3434
141229	70	380	4262	3836
141230	75	385	4961	4465
141231	80	410	6318	5686
141232	85	420	6953	6258
141233	90	430	8605	7745
141234	95	445	9150	8235
141235	100	460	9737	8763
141236	105	485	9841	8857

141 Wrench, Bent Striking Open



Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
141237	110	500	12624	11362
141238	115	515	13491	12142
141239	120	525	15206	13685
141240	125	535	15938	14344
141241	130	545	16907	15216
141242	135	560	17694	15925
141243	140	575	18469	16622
141244	145	590	19167	17250
141245	150	610	20382	18344
141246	155	630	24024	21622

141 Wrench, Bent Striking Open, Inch



- Q/ZBF-141B ● Die forged
- Different from the slogging open, the bent head (45 degree angle) can be used in special space.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
141247	7/16	120	136	122
141248	1-1/2	230	1120	1008
141249	1-5/8	230	1086	977
141250	1-7/8	275	1788	1609
141251	2	275	1733	1560
141252	2-1/16	275	1650	1485
141253	2-1/4	315	2541	2287
141254	2-3/8	315	2541	2287
141255	2-9/16	335	3459	3113
141256	2-3/4	380	4262	3836
141257	3	385	4961	4465

142 Set-9pcs Wrench, Double Open End



Number	S1*S2 mm	Be-Cu (g)	Al-Cu (g)
142001	8*10,10*12,12*14,14*17,17*19,19*22,22*24,24*27,30*32	2159	1928

143 Set-11pcs Wrench, Double Open End



Number	S1*S2 mm	Be-Cu (g)	Al-Cu (g)
143001	8*10,9*11,10*12,12*14,14*17,17*19,19*22,22*24,24*27,27*30,30*32	2689	2401

144 Set-13pcs Wrench, Double Open End



Number	S1*S2 mm	Be-Cu (g)	Al-Cu (g)
144001	5.5*7, 6*7, 8*10, 9*11, 10*12, 12*14, 14*17, 17*19, 19*22, 22*24, 24*27, 27*30, 30*32	2730	2438

145 Wrench, Double Open End



- QB/T 2613.1 ● Die forged
- Used to tighten or loosen bolts and nuts.

Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
145001	5*5.5	90	20	18
145002	5.5*7	90	20	18
145003	6*7	90	21	19
145004	6*8	100	28	25
145005	7*8	100	29	26
145006	7*9	100	29	26
145007	8*9	100	30	27
145008	8*10	100	31	28
145009	8*12	120	56	50
145010	9*10	120	56	50
145011	9*11	120	56	50
145012	10*11	120	56	50
145013	10*12	120	56	50
145014	10*13	130	62	56
145015	10*14	130	62	56
145016	11*13	130	62	56
145017	12*13	130	64	58
145018	12*14	130	64	58
145019	13*14	130	65	59
145020	13*15	150	100	90
145021	13*16	150	100	90
145022	13*17	150	100	96
145023	14*15	150	100	96

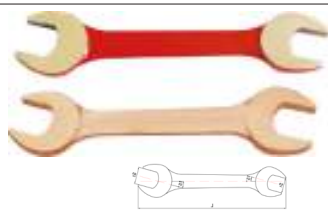
145 Wrench, Double Open End



- QB/T 2613.1 ● Die forged
- Used to tighten or loosen bolts and nuts.

Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
145024	14*17	150	100	90
145025	16*17	170	145	131
145026	16*18	170	145	131
145027	17*18	170	145	131
145028	17*19	170	145	131
145029	17*21	185	203	183
145030	17*22	185	196	176
145031	18*19	185	203	183
145032	18*20	185	203	183
145033	18*21	185	203	183
145034	19*21	185	209	188

145 Wrench, Double Open End



Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
145035	19*22	185	209	188
145036	17*24	210	229	206
145037	19*24	210	289	260
145038	19*27	210	290	261
145039	20*22	210	290	261
145040	21*23	210	290	261
145041	22*24	210	290	261
145042	21*26	230	332	299
145043	22*27	230	332	299
145044	23*26	230	332	299
145045	24*26	230	332	299
145046	24*27	230	332	299
145047	25*28	230	332	299
145048	24*30	250	515	464
145049	26*28	250	460	414
145050	26*29	250	460	414

145 Wrench, Double Open End



- QB/T 2613.1 ● Die forged
- Used to tighten or loosen bolts and nuts.

Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
145051	26*32	250	460	414
145052	27*29	250	460	414
145053	27*30	250	460	414
145054	27*32	250	462	416
145055	28*30	250	465	419
145056	29*32	265	610	549
145057	30*32	265	610	549
145058	27*34	285	650	585
145059	30*36	285	782	704
145060	32*34	285	807	726
145061	32*36	300	948	853
145062	34*36	300	948	853

145 Wrench, Double Open End



Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
145063	36*38	315	1041	937
145064	36*41	315	1041	937
145065	36*42	315	1041	937
145066	38*40	315	1041	937
145067	38*42	315	1041	937
145068	41*46	360	1423	1281
145069	46*50	370	1703	1533
145070	48*50	375	2027	1824
145071	50*55	385	2062	1856
145072	50*60	400	2611	2350
145073	55*60	415	2713	2442
145074	60*65	435	3483	3135
145075	65*70	470	4578	4120
145076	70*75	520	5925	5333
145077	75*80	530	8132	7319

145 Wrench, Double Open End, Long Type



- QB/T 2613.1 ● Die forged
- Used to tighten or loosen bolts and nuts.

Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
145078	6*7	125	42	38
145079	8*10	135	53	48
145080	10*12	145	82	74
145081	12*14	160	106	95
145082	14*17	175	163	147
145083	17*19	185	190	171
145084	19*22	205	235	212
145085	22*24	220	315	284
145086	24*27	235	430	387
145087	27*30	260	572	515
145088	30*32	280	703	633
145089	32*36	315	1040	936
145090	36*41	355	1617	1455
145091	41*46	390	1965	1769
145092	46*50	420	2290	2061

146 Wrench, Double Open End



- QB/T2613.1 ● Die forged
- Used to tighten or loosen bolts and nuts.

Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
146001	5.5*7	90	21	19
146002	6*7	90	21	19
146003	6*8	90	21	19
146004	7*9	100	36	32
146005	8*9	100	36	32
146006	8*10	100	36	32
146007	9*10	100	36	32
146008	9*11	110	43	39
146009	10*11	120	55	50
146010	10*12	120	55	50
146011	10*13	130	84	76
146012	10*14	130	84	76
146013	11*13	130	84	76

146 Wrench, Double Open End



- QB/T2613.1 ● Die forged
- Used to tighten or loosen bolts and nuts.

Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
146014	12*13	130	84	76
146015	12*14	130	84	76
146016	13*17	130	84	76
146017	14*15	143	98	88
146018	14*17	150	106	95
146019	16*17	163	140	126
146020	16*18	160	139	125
146021	17*19	170	151	136
146022	17*21	170	151	136
146023	17*22	170	153	138
146024	18*19	170	153	138
146025	19*21	185	214	193
146026	19*22	185	214	193
146027	19*24	190	241	217
146028	20*22	200	263	237
146029	21*23	200	250	225
146030	21*26	215	327	294
146031	22*24	210	268	241
146032	22*27	215	330	297

146 Wrench, Double Open End



Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
146033	23*26	230	386	347
146034	24*26	230	386	347
146035	24*27	230	386	347
146036	24*30	235	468	421
146037	25*28	235	465	419
146038	26*29	245	543	489
146039	26*32	245	543	489
146040	27*29	250	496	446
146041	27*30	250	496	446
146042	27*32	250	548	493
146043	29*32	265	610	549
146044	30*32	265	610	549
146045	30*36	280	831	748
146046	32*34	300	836	752
146047	32*36	300	881	793
146048	34*36	300	883	795

146 Wrench, Double Open End



- QB/T2613.1 ● Die forged
- Used to tighten or loosen bolts and nuts.

Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
146049	36*38	330	1021	919
146050	36*40	330	1056	950
146051	36*41	330	1056	950
146052	38*40	330	1056	950
146053	41*46	355	1458	1312
146054	46*50	370	1750	1575
146055	50*55	385	2328	2095
146056	50*60	400	2734	2461
146057	55*60	415	3105	2795
146058	60*65	435	3667	3300
146059	65*70	440	4325	3893
146060	65*75	500	5095	4586
146061	70*75	520	5730	5157
146062	70*80	550	6080	5472
146063	75*80	565	6655	5990
146064	75*85	580	6780	6102

146 Wrench, Double Open End, Long Type



- QB/T2613.1 ● Die forged
- Used to tighten or loosen bolts and nuts.

Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
146065	6*7	125	40	36
146066	8*10	135	50	45
146067	10*12	145	78	70
146068	12*14	160	100	90
146069	14*17	175	155	140
146070	17*19	185	180	162
146071	19*22	205	225	203
146072	22*24	220	300	270
146073	24*27	235	410	369
146074	27*30	260	545	491
146075	30*32	280	670	603
146076	32*36	315	990	891
146077	36*41	355	1540	1386
146078	41*46	390	1870	1683
146079	46*50	420	2180	1962

146 Wrench, Double Open End, Inch



- QB/T2613.1 ● Die forged
- Used to tighten or loosen bolts and nuts.

Number	S1*S2 inch	L mm	Be-Cu (g)	Al-Cu (g)
146080	1/8*3/16	90	22	20
146081	3/16*1/4	90	26	23
146082	7/32*1/4	90	26	23
146083	1/4*5/16	90	28	25
146084	5/16*3/8	100	37	33
146085	1/4*7/16	110	57	51
146086	3/8*7/16	120	62	56
146087	3/8*1/2	130	85	77
146088	7/16*1/2	130	91	82
146089	1/2*9/16	145	108	97
146090	1/2*5/8	150	110	99
146091	1/2*11/16	150	110	99
146092	9/16*5/8	150	110	99
146093	19/32*11/16	163	165	149
146094	5/8*11/16	163	165	149
146095	5/8*3/4	163	170	153
146096	11/16*3/4	170	242	218

146 Wrench, Double Open End, Inch



Number	S1*S2 inch	L mm	Be-Cu (g)	Al-Cu (g)
146097	3/4*13/16	185	252	227
146098	3/4*7/8	185	252	227
146099	25/32*13/16	185	254	229
146100	13/16*7/8	200	262	236
146101	7/8*15/16	210	301	271
146102	15/16*1	230	388	349
146103	1*1-1/16	235	445	401
146104	1*1-1/8	245	528	475
146105	1-1/16*1-1/4	250	666	599
146106	1-1/8*1-3/16	265	658	592
146107	1-1/8*1-1/4	265	646	581
146108	1-3/16*1-5/16	280	809	728
146109	1-1/4*1-5/16	300	951	856
146110	1-1/4*1-5/8	330	1386	1247
146111	1-3/8*1-1/2	330	1326	1193
146112	1-1/2*1-5/8	330	1448	1303
146113	1-3/4*1-7/8	370	1898	1708
146114	1-3/4*2	370	1903	1713

146 Wrench, Double Open End



- DIN895 ● Die forged
- Used to tighten or loosen bolts and nuts, DIN 895 design, high grade appearance.

Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
146115	5.5*7	100	21	19
146116	10*13	130	68	61
146117	10*14	130	67	60
146118	11*13	145	66	59
146119	13*17	160	109	98
146120	14*17	160	109	98
146121	16*18	170	114	103
146122	17*19	180	114	103
146123	18*21	200	186	167
146124	19*22	200	186	167
146125	19*24	230	208	187
146126	22*24	230	265	239
146127	22*27	245	273	246
146128	24*27	245	273	246
146129	24*30	275	438	394
146130	27*29	275	438	394
146131	27*30	275	438	394
146132	27*32	290	544	490
146133	30*32	290	544	490
146134	32*35	320	668	601
146135	32*36	320	668	601
146136	34*36	335	699	629
146137	36*41	350	877	789
146138	41*46	400	1144	1030
146139	46*50	425	1512	1361
146140	50*55	450	1967	1770
146141	55*60	480	2354	2119
146142	60*65	510	2750	2475

146 Wrench, Double Open End



- QB/T2613.1 ● Die forged
- Used to tighten or loosen bolts and nuts.

Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
146143	3*5	90	28	25
146144	3*7	90	28	25
146145	4*5	90	28	25
146146	4*6	90	27	24
146147	4*7	90	27	24
146148	5*5.5	90	26	23
146149	5*6	90	26	23
146150	5*7	90	25	23
146151	5.5*7	90	25	23

146 Wrench, Double Open End



- QB/T2613.1 ● Die forged
- Used to tighten or loosen bolts and nuts.

Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
146152	6*7	90	24	22
146153	6*8	90	24	22
146154	6*9	100	41	37
146155	7*8	100	40	36
146156	7*9	100	39	35
146157	7*10	100	38	34
146158	8*9	100	38	34
146159	8*10	100	37	33
146160	8*11	110	52	47
146161	9*10	110	51	46
146162	9*11	110	50	45
146163	10*10	120	63	57
146164	10*11	120	62	56
146165	10*12	120	61	55
146166	10*13	120	61	55
146167	10*14	120	62	56
146168	11*11	120	61	55
146169	11*12	120	60	54
146170	11*13	130	91	82
146171	11*14	130	90	81
146172	12*13	130	89	80

146 Wrench, Double Open End



Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
146173	12*14	130	88	79
146174	12*17	130	84	76
146175	13*14	145	108	97
146176	13*15	145	95	86
146177	13*16	150	110	99
146178	13*17	150	109	98
146179	14*15	150	108	97
146180	14*16	150	107	96
146181	14*17	150	106	95
146182	15*16	150	121	109
146183	15*17	150	125	113

146 Wrench, Double Open End



- QB/T2613.1 ● Die forged
- Used to tighten or loosen bolts and nuts.

Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
146184	14*19	165	178	160
146185	15*18	165	178	160
146186	16*17	165	175	158
146187	16*18	165	172	155
146188	16*21	165	170	153
146189	16*24	165	162	146
146190	17*18	170	243	219
146191	17*19	170	242	218
146192	17*20	170	241	217
146193	17*21	170	240	216
146194	17*22	170	240	216
146195	17*24	170	239	215
146196	18*19	175	166	149
146197	18*20	175	161	145

146 Wrench, Double Open End



- QB/T2613.1 ● Die forged
- Used to tighten or loosen bolts and nuts.

Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
146219	23*25	230	392	353
146220	23*26	230	390	351
146221	24*25	230	389	350
146222	24*26	230	389	350
146223	24*27	230	388	349
146224	24*28	230	378	340
146225	24*29	230	378	340
146226	24*30	235	495	446
146227	24*32	235	485	437
146228	25*26	235	465	419
146229	25*27	235	453	408
146230	25*28	235	449	404
146231	26*26	235	448	403

146 Wrench, Double Open End



- QB/T2613.1 ● Die forged
- Used to tighten or loosen bolts and nuts.

Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
146251	30*36	280	814	733
146252	31*32	280	825	743
146253	31*37	300	953	858
146254	32*34	300	951	856
146255	32*35	300	948	853
146256	32*36	300	939	845
146257	32*37	300	938	844
146258	32*38	300	935	842
146259	33*34	300	935	842
146260	33*35	300	930	837
146261	33*36	300	929	836
146262	34*36	300	928	835
146263	34*41	330	1386	1247
146264	35*36	330	1336	1202
146265	35*38	330	1326	1193
146266	35*41	330	1354	1219
146267	36*38	330	1294	1165
146268	36*40	330	1366	1229
146269	36*41	330	1450	1305
146270	36*42	330	1435	1292
146271	37*38	330	1480	1332
146272	38*40	330	1450	1305
146273	38*41	330	1448	1303
146274	38*42	330	1444	1300
146275	39*40	330	1434	1291
146276	40*42	330	1395	1256
146277	40*45	355	1646	1481
146278	40*46	355	1470	1323
146279	40*50	355	1823	1641
146280	41*42	355	1470	1323
146281	41*43	355	1666	1499
146282	41*44	355	1665	1499
146283	41*46	355	1663	1497
146284	46*50	370	1750	1575
146285	50*55	385	2328	2095
146286	50*60	400	2734	2461
146287	55*60	415	3105	2795
146288	60*65	435	3667	3300
146289	65*70	465	4325	3893
146290	65*75	465	5095	4586
146291	70*75	495	5730	5157
146292	70*80	525	6080	5472
146293	75*80	555	6655	5990
146294	75*85	580	6780	6102

146 Wrench, Double Open End



Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
146198	18*21	185	230	207
146199	18*22	185	226	203
146200	18*23	185	225	203
146201	19*19	185	220	198
146202	19*20	185	218	196
146203	19*21	185	217	195
146204	19*22	185	216	194
146205	19*24	185	215	194
146206	20*21	195	232	209
146207	20*22	195	226	203
146208	20*23	195	203	183
146209	20*26	200	278	250
146210	21*22	200	262	236
146211	21*23	200	245	221
146212	21*24	210	312	281
146213	21*26	210	310	279
146214	21*27	210	308	277
146215	22*23	210	303	273
146216	22*24	210	301	271
146217	22*27	210	300	270
146218	23*24	210	296	266

146 Wrench, Double Open End



Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
146232	26*27	235	444	400
146233	26*29	245	528	475
146234	26*30	245	525	473
146235	26*31	245	519	467
146236	26*32	245	505	455
146237	27*27	250	670	603
146238	27*29	250	670	603
146239	27*30	250	668	601
146240	27*32	250	666	599
146241	27*33	250	665	599
146242	28*29	250	655	590
146243	28*30	250	647	582
146244	28*32	250	638	574
146245	29*30	265	658	592
146246	29*32	265	658	592
146247	30*31	265	646	581
146248	30*32	265	645	581
146249	30*34	280	809	728
146250	30*35	280	804	724

147 Wrench, Double Open End, Inch



- QB/T2613.1 ● Die forged
- Used to tighten or loosen bolts and nuts.

Number	S1*S2 inch	L mm	Be-Cu (g)	Al-Cu (g)
147001	3/16*1/4	90	21	19
147002	7/32*1/4	90	20	18
147003	1/4*5/16	100	32	29
147004	5/16*11/32	100	32	29
147005	5/16*3/8	100	32	29
147006	3/8*7/16	120	52	47
147007	3/8*1/2	130	52	47
147008	7/16*1/2	130	65	59
147009	1/2*9/16	130	65	59
147010	1/2*5/8	150	97	87
147011	1/2*11/16	150	97	87
147012	9/16*5/8	150	97	87
147013	9/16*3/4	170	150	135
147014	5/8*11/16	170	150	135
147015	5/8*3/4	170	150	135
147016	11/16*3/4	170	152	137
147017	3/4*13/16	185	200	180
147018	3/4*7/8	185	200	180
147019	25/32*7/8	210	296	266

147 Wrench, Double Open End, Inch



Number	S1*S2 inch	L mm	Be-Cu (g)	Al-Cu (g)
147020	13/16*7/8	210	187	168
147021	7/8*15/16	210	270	243
147022	7/8*31/32	210	270	243
147023	7/8*1	230	365	329
147024	7/8*1-1/16	230	368	331
147025	15/16*1	230	368	331
147026	15/16*1-1/16	230	370	333
147027	1*1-1/16	230	370	333
147028	1*1-1/8	230	370	333
147029	1-1/16*1-1/8	250	465	419
147030	1-1/16*1-1/4	250	465	419
147031	1-1/8*1-3/16	250	480	432
147032	1-1/8*1-1/4	250	627	564
147033	1-3/16*1-1/4	250	627	564
147034	1-1/4*1-5/16	260	807	726
147035	1-1/4*1-3/8	290	864	778
147036	1-5/16*1-3/8	295	857	771

147 Wrench, Double Open End, Inch



- QB/T2613.1 ● Die forged
- Used to tighten or loosen bolts and nuts.

Number	S1*S2 inch	L mm	Be-Cu (g)	Al-Cu (g)
147037	1-3/8*1-7/16	300	860	774
147038	1-7/16*1-5/8	315	1220	1098
147039	1-1/2*1-9/16	315	1206	1085
147040	1-5/8*1-13/16	360	1540	1386
147041	1-13/16*2	370	1675	1508
147042	2*2-3/16	385	2200	1980
147043	2*2-3/8	400	3085	2777
147044	2-3/16*2-3/8	415	2850	2565
147045	2-3/8*2-9/16	435	4540	4086

147 Wrench, Double Open End(WW)



- QB/T2613.1 ● Die forged
- Used to tighten or loosen bolts and nuts.

Number	S1*S2 WW	L mm	Be-Cu (g)	Al-Cu (g)
147046	3/16*1/4	130	62	56
147047	1/4*5/16	150	108	97
147048	5/16*3/8	170	160	144
147049	3/8*7/16	185	203	183
147050	3/8*1/2	210	311	280
147051	7/16*1/2	210	291	262
147052	7/16*9/16	220	379	341
147053	1/2*9/16	230	359	323
147054	9/16*5/8	250	507	456
147055	9/16*11/16	250	501	451
147056	5/8*11/16	250	465	419
147057	5/8*3/4	255	599	539
147058	11/16*3/4	265	599	539
147059	11/16*13/16	285	864	778
147060	3/4*13/16	300	857	771
147061	13/16*7/8	315	1252	1127
147062	7/8*15/16	315	1206	1085
147063	15/16*1	360	1537	1383

Box End Wrench P74-P96

⑧ 148001-165090

148 Set-9pcs Wrench, Double Box Offset



Number	S1*S2 mm	Be-Cu (g)	Al-Cu (g)
148001	8*10, 10*12, 12*14, 14*17, 17*19, 19*22, 22*24, 24*27, 30*32	2936	2622

149 Set-11pcs Wrench, Double Box Offset



Number	S1*S2 mm	Be-Cu (g)	Al-Cu (g)
149001	8*10, 9*11, 10*12, 12*14, 14*17, 17*19, 19*22, 22*24, 24*27, 27*30, 30*32	3624	3236

150 Set-13pcs Wrench, Double Box Offset



Number	S1*S2 mm	Be-Cu (g)	Al-Cu (g)
150001	5.5*7, 6*7, 8*10, 9*11, 10*12, 12*14, 14*17, 17*19, 19*22, 22*24, 24*27, 27*30, 30*32	3792	3386

558001 Tools Set-56Pcs



151 Wrench, Double Box Offset



- QB/T 2613.5 ● Die forge..
- Used to tighten or loosen bolts and nuts, suitable for use where space is narrow or deep concavity

Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
151001	3*5	115	34	31
151002	4*5	115	34	31
151003	4*6	115	34	31
151004	4*7	115	32	29
151005	5*7	115	32	29
151006	5*8	115	30	27
151007	5.5*6	115	30	27
151008	5.5*7	115	30	27
151009	6*7	115	31	28
151010	5.5*9	130	45	41
151011	6*8	130	42	38
151012	7*8	130	42	38
151013	7*9	130	40	36
151014	7*10	130	46	41
151015	8*9	130	46	41
151016	8*10	130	44	40
151017	8*11	140	60	54

151 Wrench, Double Box Offset



- QB/T 2613.5 ● Die forge..
- Used to tighten or loosen bolts and nuts, suitable for use where space is narrow or deep concavity

Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
151045	16*18	235	207	186
151046	16*19	250	260	234
151047	16*21	250	260	234
151048	17*18	250	259	233
151049	17*19	250	258	232
151050	17*20	250	280	252
151051	17*21	250	280	252
151052	17*22	265	280	252
151053	18*18	265	262	236
151054	18*19	265	262	236
151055	19*19	265	253	228
151056	18*20	280	350	315
151057	18*21	280	350	315
151058	18*22	280	347	312
151059	19*20	280	347	312
151060	19*21	280	345	311
151061	19*22	280	345	311

151 Wrench, Double Box Offset



- QB/T 2613.5 ● Die forge..
- Used to tighten or loosen bolts and nuts, suitable for use where space is narrow or deep concavity

Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
151088	27*29	360	696	626
151089	27*30	360	704	634
151090	28*29	360	689	620
151091	28*30	360	687	618
151092	25*32	370	716	644
151093	26*32	370	724	652
151094	26*31	370	699	629
151095	27*32	370	693	624
151096	28*32	380	854	769
151097	29*30	380	852	767
151098	29*31	380	852	767
151099	29*32	380	850	765
151100	30*30	380	850	765
151101	30*31	380	848	763
151102	30*32	380	848	763

151 Wrench, Double Box Offset



Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
151018	8*12	140	57	51
151019	9*10	140	60	54
151020	9*11	140	57	51
151021	10*10	140	58	52
151022	10*11	140	65	59
151023	10*12	140	69	62
151024	11*11	140	67	60
151025	10*13	160	90	81
151026	10*14	160	90	81
151027	11*13	160	88	79
151028	11*14	160	88	79
151029	12*13	160	87	78
151030	12*14	160	87	78
151031	12*16	200	179	161
151032	13*13	200	179	161
151033	13*14	200	177	159
151034	13*15	200	177	159
151035	14*14	200	175	158
151036	14*15	200	175	158
151037	13*17	220	173	156
151038	14*16	220	173	156
151039	14*17	220	173	156
151040	14*19	235	213	192
151041	15*16	235	211	190
151042	15*17	235	210	189
151043	15*18	235	210	189
151044	16*17	235	207	186

151 Wrench, Double Box Offset



Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
151062	19*24	280	388	349
151063	20*22	280	385	347
151064	20*23	280	378	340
151065	21*22	280	361	325
151066	21*23	280	361	325
151067	19*27	300	462	416
151068	21*26	300	462	416
151069	21*27	300	462	416
151070	22*23	300	436	392
151071	22*24	300	433	390
151072	22*25	320	425	383
151073	22*27	320	423	381
151074	23*24	320	422	380
151075	23*25	320	420	378
151076	23*26	340	588	529
151077	23*29	340	584	526
151078	24*25	340	579	521
151079	24*26	340	568	511
151080	24*27	340	568	511
151081	24*30	350	640	576
151082	25*26	350	566	509
151083	25*27	350	540	486
151084	25*28	350	577	519
151085	26*27	360	740	666
151086	26*28	360	733	660
151087	26*29	360	722	650

151 Wrench, Double Box Offset



Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
151103	31*32	400	1080	972
151104	31*33	400	1080	972
151105	32*34	400	1074	967
151106	32*35	400	1051	946
151107	30*34	410	1174	1057
151108	30*36	410	1174	1057
151109	30*38	410	1172	1055
151110	32*36	410	1141	1027
151111	32*41	410	1161	1045
151112	33*36	420	1161	1045
151113	34*36	420	1158	1042
151114	34*37	420	1158	1042
151115	34*38	440	1559	1403
151116	34*41	440	1507	1356
151117	35*41	440	1502	1352
151118	36*36	440	1489	1340
151119	36*38	450	1479	1331
151120	36*39	450	1473	1326
151121	36*40	450	1470	1323
151122	36*41	450	1474	1327
151123	36*42	450	1466	1319
151124	38*40	460	1470	1323
151125	38*41	460	1470	1323

151 Wrench, Double Box Offset



- QB/T 2613.5 ● Die forge...
- Used to tighten or loosen bolts and nuts, suitable for use where space is narrow or deep concavity

Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
151126	38*42	460	1468	1321
151127	39*41	470	1980	1782
151128	40*42	470	1980	1782
151129	40*46	470	1975	1778
151130	41*41	470	1975	1778
151131	41*43	470	1973	1776
151132	41*46	470	1973	1776
151133	41*47	480	2310	2079
151134	42*44	480	2408	2167
151135	42*45	480	2206	1985
151136	42*46	480	2189	1970
151137	42*50	490	2545	2291
151138	43*45	490	2545	2291
151139	44*46	490	2540	2286
151140	46*48	490	2537	2283
151141	46*50	490	2537	2283
151142	46*55	500	2885	2597
151143	46*60	510	2885	2597

151 Wrench, Double Box Offset



Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
151144	50*54	520	2880	2592
151145	50*55	530	2880	2592
151146	52*55	540	2890	2601
151147	50*60	550	3114	2803
151148	55*60	565	3194	2875
151149	55*65	565	4129	3716
151150	60*65	565	4043	3639
151151	65*75	580	3910	3519
151152	60*70	580	4055	3650
151153	60*75	580	4010	3609
151154	65*70	595	4678	4210
151155	70*75	595	4805	4325
151156	75*80	615	5798	5218
151157	80*85	615	6584	5926

151 Wrench, Double Box Offset, Long Type



- QB/T 2613.5 ● Die forge...
- Used to tighten or loosen bolts and nuts, suitable for use where space is narrow or deep concavity

Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
151158	6*7	185	55	50
151159	8*10	200	80	72
151160	10*12	215	100	90
151161	12*14	230	130	117
151162	14*17	250	215	194
151163	17*19	270	270	243
151164	19*22	290	380	342
151165	22*24	310	430	387
151166	24*27	335	570	513
151167	27*30	360	690	621
151168	30*32	385	800	720
151169	32*36	415	1200	1080
151170	36*41	445	1470	1323
151171	41*46	475	2350	2115
151172	46*50	505	2800	2520

151 Wrench, Double Box Offset



- DIN838 ● Die forged
- Used to tighten or loosen bolts and nuts, suitable for use where space is narrow or deep concavity

Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
151173	6*7	175	58	52
151174	8*9	190	65	59
151175	8*10	190	61	55
151176	10*11	210	113	102
151177	12*13	230	119	107
151178	13*14	230	105	95
151179	12*14	230	178	160
151180	13*16	255	178	160
151181	14*15	255	173	156
151182	14*17	255	171	154
151183	16*17	280	234	211
151184	16*18	280	233	210
151185	17*18	280	232	209
151186	17*19	280	223	201
151187	18*19	280	205	185
151188	18*21	300	299	269
151189	19*22	300	287	258
151190	20*22	300	286	257
151191	19*24	320	337	303
151192	21*23	320	339	305
151193	22*24	320	395	356

151 Wrench, Double Box Offset



- DIN838 ● Die forged
- Used to tighten or loosen bolts and nuts, suitable for use where space is narrow or deep concavity

Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
151194	24*26	340	510	459
151195	24*27	340	508	457
151196	24*28	340	500	450
151197	25*28	360	560	504
151198	27*29	360	560	504
151199	27*30	360	556	500
151200	27*32	390	740	666
151201	30*32	390	738	664
151202	30*30	360	738	664
151203	30*36	430	955	860
151204	32*34	430	955	860
151205	32*36	430	950	855
151206	34*36	430	950	855
151207	36*41	460	1231	1108
151208	38*40	490	1230	1107
151209	41*46	490	1638	1474
151210	46*50	520	2013	1812
151211	50*55	550	2581	2323
151212	60*65	610	2850	2565
151213	60*70	640	3230	2907
151214	70*75	670	3680	3312

151 Wrench, Double Box Offset, Long Type



- DIN838 ● Die forged
- Used to tighten or loosen bolts and nuts, suitable for use where space is narrow or deep concavity

Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
151215	6*7	185	65	59
151216	8*10	200	70	63
151217	10*12	215	125	113
151218	12*14	230	170	153
151219	14*17	250	200	180
151220	17*19	270	220	198
151221	19*22	290	280	252
151222	22*24	310	340	306
151223	24*27	335	480	432
151224	27*30	360	580	522
151225	30*32	385	720	648
151226	32*36	415	900	810
151227	36*41	445	1150	1035
151228	41*46	475	1350	1215
151229	46*50	505	1950	1755

151 Wrench, Double Box Offset, Inch



- QB/T 2613.5 ● Die forged
- Used to tighten or loosen bolts and nuts, suitable for use where space is narrow or deep concavity

Number	S1*S2 inch	L mm	Be-Cu (g)	Al-Cu (g)
151230	1/8*3/16	115	39	35
151231	1/4*5/16	130	54	49
151232	5/16*3/8	130	40	36
151233	3/8*7/16	140	64	58
151234	3/8*1/2	160	100	90
151235	7/16*1/2	160	98	88
151236	1/2*9/16	200	166	149
151237	1/2*5/8	220	197	177
151238	9/16*5/8	220	195	176
151239	19/32*11/16	220	185	167
151240	5/8*11/16	220	182	164
151241	5/8*3/4	250	265	239
151242	11/16*3/4	250	256	230
151243	3/4*13/16	280	368	331
151244	3/4*7/8	280	366	329
151245	25/32*13/16	280	359	323

151 Wrench, Double Box Offset, Inch



Number	S1*S2 inch	L mm	Be-Cu (g)	Al-Cu (g)
151246	7/8*15/16	320	433	390
151247	15/16*1	340	579	521
151248	1*1-1/16	340	540	486
151249	1*1-1/8	350	554	499
151250	1-1/16*1-1/4	370	693	624
151251	1-1/8*1-3/16	380	829	746
151252	1-1/4*1-5/16	400	1074	967
151253	1-3/8*1-7/16	445	1502	1352
151254	1-7/16*1-5/8	445	1436	1292
151255	1-1/2*1-9/16	445	1438	1294
151256	1-5/8*1-13/16	470	2313	2082
151257	1-13/16*2	490	2639	2375
151258	1-7/8*1-15/16	490	2639	2375
151259	2-1/8*2-1/4	530	3020	2718
151260	2-3/8*2-7/16	550	4043	3639
151261	2-1/2*2-9/16	550	3910	3519
151262	2-5/8*2-11/16	570	4678	4210
151263	2-3/4*2-13/16	580	4750	4275
151264	2-7/8*2-15/16	580	4805	4325

152 Wrench, Double Box Offset (American Type)



- QB/T2613.5 ● Precision Casting
- Used to tighten or loosen bolts and nuts, suitable for use where space is narrow or deep concavity, American type.

Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
152001	5.5*7	130	31	28
152002	6*7	130	45	41
152003	6*8	130	45	41
152004	7*9	145	45	41
152005	8*9	145	56	50
152006	8*10	145	56	50
152007	9*10	160	75	68
152008	9*11	160	75	68
152009	10*11	160	73	66
152010	10*12	160	88	79
152011	10*13	160	90	81
152012	10*14	180	107	96
152013	11*13	180	121	109
152014	12*13	180	129	116
152015	12*14	180	129	116
152016	13*15	220	197	177
152017	13*17	220	192	173

152 Wrench, Double Box Offset (American Type)



Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
152018	14*15	220	215	194
152019	14*17	220	211	190
152020	15*16	220	210	189
152021	16*17	250	282	254
152022	16*18	250	282	254
152023	17*19	250	281	253
152024	18*19	250	322	290
152025	17*21	280	340	306
152026	18*21	280	340	306
152027	19*21	280	334	301
152028	19*22	280	334	301
152029	20*22	280	332	299
152030	19*24	310	460	414
152031	21*23	310	459	413
152032	21*26	310	466	419
152033	22*24	310	466	419
152034	23*26	340	663	597
152035	24*26	340	675	608
152036	24*27	340	673	606
152037	24*30	360	673	606
152038	25*28	360	673	606

152 Wrench, Double Box Offset (American Type)



- QB/T2613.5 ● Precision Casting
- Used to tighten or loosen bolts and nuts, suitable for use where space is narrow or deep concavity, American type.

Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
152039	26*32	360	750	675
152040	27*29	360	745	671
152041	27*30	360	745	671
152042	27*32	380	826	743
152043	30*32	380	824	742
152044	30*34	380	824	742
152045	31*32	380	818	736
152046	30*36	400	979	881
152047	32*34	400	979	881
152048	32*35	400	975	878
152049	32*36	400	975	878
152050	34*36	420	1100	990
152051	35*41	450	1162	1046
152052	36*38	450	1160	1044
152053	36*41	450	1485	1337
152054	38*40	450	1480	1332
152055	41*46	470	1938	1744
152056	46*50	490	2325	2093
152057	50*55	510	2631	2368
152058	55*60	530	3042	2738
152059	65*70	570	3680	3312
152060	75*80	580	3820	3438

152 Wrench, Double Box (S Type)



- QB/T2613.5 ● Precision Casting
- Used to tighten or loosen bolts and nuts, suitable for use where space is limited instead of double end open spanner.

Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
152061	5.5*7	100	29	26
152062	6*7	100	31	28
152063	7*9	100	38	34
152064	8*9	115	58	52
152065	8*10	115	58	52
152066	9*11	115	72	65
152067	10*11	130	89	80
152068	10*12	130	89	80
152069	12*13	145	116	104

152 Wrench, Double Box (S Type)



- QB/T2613.5 ● Precision Casting
- Used to tighten or loosen bolts and nuts, suitable for use where space is limited instead of double end open spanner.

Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
152070	12*14	145	115	104
152071	13*15	160	170	153
152072	13*16	160	166	149
152073	13*17	160	166	149
152074	14*15	160	158	142
152075	14*17	160	158	142
152076	16*17	190	215	194
152077	16*18	190	215	194
152078	17*18	190	213	192
152079	17*19	190	212	191
152080	18*21	210	277	249
152081	19*22	210	275	248
152082	19*24	210	295	266
152083	20*22	215	296	266
152084	21*23	215	296	266
152085	21*26	215	316	284

152 Wrench, Double Box (S Type)



Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
152086	22*24	240	326	293
152087	23*26	255	336	302
152088	24*27	255	456	410
152089	24*30	255	479	431
152090	25*28	255	511	460
152091	27*30	285	571	514
152092	30*32	310	724	652
152093	30*34	335	869	782
152094	30*36	355	1060	954
152095	32*36	355	1120	1008
152096	34*36	355	1350	1215
152097	36*41	380	1520	1368
152098	41*46	410	1880	1692

152 Wrench, Double Box Offset 45°



- QB/T2613.5 ● Precision Casting
- Used to tighten or loosen bolts and nuts, suitable for use where space is narrow or deep concavity.

Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
152099	6*7	115	30	27
152100	7*9	115	30	27
152101	8*10	130	35	32
152102	9*11	140	55	50
152103	10*12	140	55	50
152104	12*14	160	77	69
152105	13*15	205	124	112
152106	14*17	205	124	112
152107	16*18	235	168	151
152108	17*19	235	168	151
152109	19*22	255	230	207
152110	22*24	280	305	275

152 Wrench, Double Box Offset 45°



Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
152111	24*27	300	376	338
152112	27*30	325	447	402
152113	30*32	335	528	475
152114	32*36	350	636	572
152115	34*36	370	942	848
152116	36*41	385	986	887
152117	41*46	430	1683	1515
152118	46*50	455	2349	2114
152119	50*55	475	2402	2162
152120	55*60	495	2503	2253
152121	60*65	520	2893	2604
152122	65*70	550	3059	2753
152123	70*75	575	3518	3166

152 Wrench, Double Box Offset 45° (WW)



- QB/T2613.5 ● Precision Casting
- Used to tighten or loosen bolts and nuts, suitable for use where space is narrow or deep concavity.

Number	S1*S2 ww	L mm	Be-Cu (g)	Al-Cu (g)
152124	5/16*3/8	235	168	151
152125	3/8*7/16	255	303	273
152126	7/16*1/2	280	303	273
152127	7/16*9/16	290	376	338
152128	1/2*9/16	300	376	338
152129	5/8*11/16	325	447	402
152130	5/8*3/4	335	447	402
152131	11/16*3/4	335	528	475
152132	3/4*13/16	370	942	848
152133	13/16*7/8	385	942	848
152134	7/8*15/16	385	986	887
152135	15/16*1	430	1683	1515

152 Wrench, Double Box Offset, 45° ,Inch



- QB/T2613.5 ● Precision Casting
- Used to tighten or loosen bolts and nuts, suitable for use where space is narrow or deep concavity.

Number	S1*S2 inch	L mm	Be-Cu (g)	Al-Cu (g)
152136	1/4*5/16	115	30	27
152137	5/16*3/8	130	35	32
152138	3/8*7/16	140	55	50
152139	7/16*1/2	140	55	50
152140	1/2*9/16	160	77	69
152141	9/16*5/8	205	124	112

153 Wrench, Double Box Offset



- QB/T2613.5 ● Precision Casting
- Used to tighten or loosen bolts and nuts, suitable for use where space is limited instead of double end open spanner.

Number	S1*S2 inch	L mm	Be-Cu (g)	Al-Cu (g)
153001	7/32*1/4	115	30	27
153002	1/4*5/16	115	31	28
153003	5/16*3/8	125	41	37
153004	3/8*7/16	140	61	55
153005	3/8*1/2	140	88	79
153006	7/16*1/2	155	91	82
153007	7/16*9/16	160	108	97
153008	1/2*9/16	175	112	101
153009	7/16*5/8	215	158	142
153010	1/2*19/32	215	163	147
153011	9/16*5/8	215	163	147
153012	1/2*5/8	220	202	182
153013	5/8*11/16	220	195	176
153014	19/32*11/16	225	205	185
153015	5/8*3/4	240	222	200

153 Wrench, Double Box Offset



Number	S1*S2 inch	L mm	Be-Cu (g)	Al-Cu (g)
153016	11/16*3/4	245	234	211
153017	11/16*25/32	245	271	244
153018	25/32*13/16	255	298	268
153019	3/4*13/16	255	306	275
153020	3/4*7/8	275	362	326
153021	25/32*7/8	275	360	324
153022	13/16*7/8	275	357	321
153023	3/4*15/16	295	409	368
153024	3/4*1	295	455	410
153025	7/8*15/16	305	510	459
153026	7/8*31/32	305	512	461
153027	7/8*1-1/16	305	510	459
153028	7/8*1	310	542	488
153029	15/16*1	310	540	486
153030	1*1-1/16	325	581	523
153031	1-1/16*1-1/8	330	754	679
153032	15/16*1-1/16	370	788	709
153033	1*1-1/8	370	786	707

153 Wrench, Double Box Offset, Inch



- QB/T2613.5 ● Precision Casting
- Used to tighten or loosen bolts and nuts, suitable for use where space is limited instead of double end open spanner.

Number	S1*S2 inch	L mm	Be-Cu (g)	Al-Cu (g)
153034	1-1/16*1-3/16	370	960	864
153035	1-1/8*1-3/16	370	969	872
153036	1-1/16*1-1/4	375	969	872
153037	1-1/8*1-1/4	375	969	872
153038	1-3/16*1-1/4	375	969	872
153039	1-1/4*1-5/16	380	1060	954
153040	1-1/4*1-3/8	380	1140	1026
153041	1-1/8*1-1/2	410	1249	1124
153042	1-1/4*1-7/16	410	1245	1121
153043	1-1/4*1-1/2	410	1240	1116
153044	1-5/16*1-3/8	410	1224	1102
153045	1-5/16*1-1/2	415	1295	1166
153046	1-3/8*1-7/16	415	1475	1328
153047	1-3/8*1-1/2	420	1570	1413
153048	1-7/16*1-5/8	450	1570	1413

153 Wrench, Double Box Offset, Inch



Number	S1*S2 inch	L mm	Be-Cu (g)	Al-Cu (g)
153049	1-1/2*1-9/16	460	2295	2066
153050	1-1/2*1-11/16	460	2295	2066
153051	1-5/8*1-13/16	480	2295	2066
153052	1-7/16*1-7/8	480	2310	2079
153053	1-13/16*2	490	2478	2230
153054	1-7/8*1-15/16	490	2900	2610
153055	2*2-3/16	510	2907	2616
153056	2-1/16*2-3/16	510	3080	2772
153057	2*2-3/8	520	3264	2938
153058	2-3/16*2-3/8	530	3264	2938
153059	2-1/4*2-3/8	530	3680	3312
153060	2-3/8*2-7/16	560	3978	3580
153061	2-3/8*2-3/4	560	3978	3580

153 Wrench, Double Box Flat



- DIN837 ● Die forged
- Used to tighten or loosen bolts and nuts, suitable for use where space is limited instead of double end open spanner.

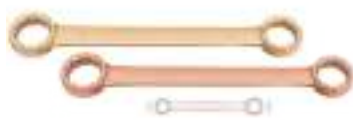
Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
153062	5.5*7	115	22	20
153063	6*7	115	22	20
153064	7*9	115	35	32
153065	8*10	115	35	32
153066	9*11	125	35	32
153067	10*11	125	56	50
153068	10*12	125	56	50
153069	10*13	145	65	59
153070	11*13	145	65	59
153071	11*14	145	63	57
153072	12*13	145	83	75
153073	12*14	145	71	64
153074	13*14	155	92	83
153075	13*15	155	90	81
153076	14*15	155	90	81

153 Wrench, Double Box Flat



Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
153077	14*16	155	96	86
153078	14*17	155	99	89
153079	16*17	185	126	113
153080	16*18	185	122	110
153081	17*19	185	140	126
153082	18*19	185	138	124
153083	17*22	200	192	173
153084	19*20	200	190	171
153085	19*21	200	186	167
153086	19*22	200	186	167
153087	20*22	200	182	164
153088	21*22	220	255	230
153089	21*23	220	254	229
153090	22*24	220	250	225
153091	22*25	220	249	224
153092	22*27	255	296	266

153 Wrench, Double Box Flat



- DIN837 ● Die forged
- Used to tighten or loosen bolts and nuts, suitable for use where space is limited instead of double end open spanner.

Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
153093	24*26	255	296	266
153094	24*27	255	298	268
153095	25*28	265	408	367
153096	26*28	265	412	371
153097	24*30	265	432	389
153098	26*29	280	462	416
153099	27*29	280	460	414
153100	27*30	280	459	413
153101	27*32	295	492	443
153102	29*32	295	492	443
153103	30*32	295	490	441
153104	30*34	310	640	576
153105	30*36	330	670	603
153106	32*34	330	670	603
153107	32*35	330	665	599

153 Wrench, Double Box Flat, Inch



- DIN837 ● Die forged
- Used to tighten or loosen bolts and nuts, suitable for use where space is limited instead of double end open spanner.

Number	S1*S2 inch	L mm	Be-Cu (g)	Al-Cu (g)
153121	7/32*1/4	95	22	20
153122	1/4*5/16	95	22	20
153123	9/32*11/32	115	37	33
153124	5/16*3/8	115	37	33
153125	11/32*7/16	125	43	39
153126	3/8*7/16	140	59	53
153127	3/8*1/2	145	88	79
153128	7/16*1/2	145	87	78
153129	7/16*9/16	145	85	77
153130	1/2*9/16	155	110	99
153131	1/2*19/32	155	109	98
153132	7/16*5/8	165	106	95

153 Wrench, Double Box Flat, Inch



- DIN837 ● Die forged
- Used to tighten or loosen bolts and nuts, suitable for use where space is limited instead of double end open spanner.

Number	S1*S2 inch	L mm	Be-Cu (g)	Al-Cu (g)
153146	7/8*31/32	220	240	216
153147	7/8*1	220	240	216
153148	7/8*1-1/16	255	330	297
153149	15/16*1-1/16	255	295	266
153150	15/16*1	255	313	282
153151	1*1-1/8	280	482	434
153152	1-1/16*1-1/8	280	480	432
153153	1-1/16*1-3/16	280	478	430
153154	1-1/16*1-5/16	295	550	495
153155	1-1/16*1-1/4	295	550	495
153156	1-1/8*1-3/16	295	514	463
153157	1-3/16*1-1/4	295	483	435
153158	1-1/8*1-5/16	310	640	576

153 Wrench, Double Box Flat



Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
153108	32*36	330	663	597
153109	34*36	345	768	691
153110	35*41	365	998	898
153111	36*38	365	996	896
153112	36*41	365	993	894
153113	38*40	365	990	891
153114	41*46	400	1514	1363
153115	46*50	425	1936	1742
153116	50*55	470	2015	1814
153117	50*60	485	2123	1911
153118	55*60	500	2420	2178
153119	60*65	540	2860	2574
153120	65*70	560	3173	2856

153 Wrench, Double Box Flat, Inch



Number	S1*S2 inch	L mm	Be-Cu (g)	Al-Cu (g)
153133	1/2*5/8	165	106	95
153134	9/16*5/8	165	106	95
153135	9/16*11/16	165	105	95
153136	19/32*11/16	170	126	113
153137	5/8*3/4	185	142	128
153138	11/16*25/32	200	190	171
153139	3/4*13/16	200	186	167
153140	3/4*7/8	200	184	166
153141	25/32*13/16	200	182	164
153142	25/32*7/8	200	182	164
153143	3/4*15/16	220	240	216
153144	3/4*1	220	240	216
153145	13/16*7/8	220	266	239

153 Wrench, Double Box Flat, Inch



Number	S1*S2 inch	L mm	Be-Cu (g)	Al-Cu (g)
153159	1-3/16*1-5/16	310	640	576
153160	1-1/4*1-3/8	330	639	575
153161	1-1/4*1-7/16	330	633	570
153162	1-1/8*1-1/2	365	959	863
153163	1-1/4*1-1/2	365	959	863
153164	1-5/16*1-1/2	365	959	863
153165	1-3/8*1-1/2	365	959	863
153166	1-7/16*1-5/8	365	956	860
153167	1-1/8*1-1/2	365	959	863
153168	1-1/2*1-5/8	365	956	860
153169	1-1/2*1-11/16	400	1514	1363
153170	1-5/8*1-13/16	400	1514	1363

153 Wrench, Double Box Flat, Inch



- DIN837 ● Die forged
- Used to tighten or loosen bolts and nuts, suitable for use where space is limited instead of double end open spanner.

Number	S1*S2 inch	L mm	Be-Cu (g)	Al-Cu (g)
153171	1-7/16*1-7/8	425	1936	1742
153172	1-3/4*2	425	1936	1742
153173	1-13/16*2	425	1936	1742
153174	1-7/8*1-15/16	425	1936	1742
153175	2-1/16*2-3/16	470	2015	1814
153176	2-1/4*2-3/8	530	2948	2653
153177	2-3/8*2-7/16	530	4230	3807

153 Wrench, Double Box Flat



- QB/T2613.5 ● Precision Casting
- Used to tighten or loosen bolts and nuts, suitable for use where space is limited instead of double end open spanner.

Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
153178	6*7	115	28	25
153179	8*10	130	44	40
153180	10*12	140	82	74
153181	12*14	160	116	104
153182	13*17	220	136	122
153183	14*17	220	135	122
153184	17*19	250	242	218
153185	19*22	280	369	332
153186	19*24	280	360	324
153187	22*24	310	449	404
153188	24*26	340	582	524
153189	24*27	340	552	497
153190	25*28	350	601	541
153191	27*30	360	690	621
153192	27*32	380	757	681
153193	30*32	380	746	671
153194	30*36	405	1139	1025
153195	32*36	405	1132	1019
153196	34*36	420	1158	1042

153 Wrench, Double Box Flat



- QB/T2613.5 ● Precision Casting
- Used to tighten or loosen bolts and nuts, suitable for use where space is limited instead of double end open spanner.

Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
153197	36*41	445	1650	1485
153198	38*41	445	1567	1410
153199	41*46	470	2316	2084
153200	46*50	490	2610	2349
153201	50*60	520	3237	2913
153202	55*60	530	3338	3004

153 Wrench, Double Box Offset (WW)



- QB/T2613.5 ● Precision Casting
- Used to tighten or loosen bolts and nuts, suitable for use where space is limited instead of double end open spanner.

Number	S1*S2 inch	L mm	Be-Cu (g)	Al-Cu (g)
153203	1/4*5/16	215	165	149
153204	5/16*3/8	220	209	188
153205	7/16*9/16	310	429	386
153206	1/2*9/16	310	473	426
153207	9/16*11/16	330	871	784
153208	11/16*3/4	380	949	854
153209	11/16*13/16	410	1021	919

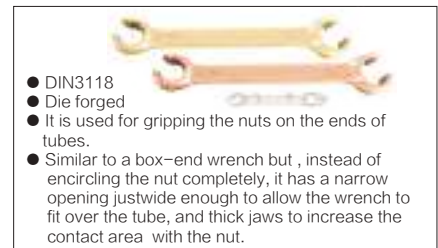
153 Flare Nut Open Ring Wrenches



- DIN3118
- Die forged
- It is used for gripping the nuts on the ends of tubes.
- Similar to a box-end wrench but , instead of encircling the nut completely, it has a narrow opening justwide enough to allow the wrench to fit over the tube, and thick jaws to increase the contact area with the nut.

Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
153210	6*7	95	21	19
153211	6*8	95	21	19
153212	8*10	115	31	28
153213	9*11	115	31	28
153214	10*11	140	51	46
153215	10*12	140	51	46
153216	11*13	145	65	59

153 Flare Nut Open Ring Wrenches



- DIN3118
- Die forged
- It is used for gripping the nuts on the ends of tubes.
- Similar to a box-end wrench but , instead of encircling the nut completely, it has a narrow opening justwide enough to allow the wrench to fit over the tube, and thick jaws to increase the contact area with the nut.

Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
153217	12*13	145	61	55
153218	12*14	145	61	55
153219	13*14	145	72	65
153220	14*15	170	91	82
153221	14*17	170	101	91
153222	16*17	170	111	100
153223	16*18	170	111	100
153224	17*19	185	132	119
153225	19*22	200	163	147
153226	22*24	220	235	212
153227	24*27	220	285	257
153228	24*30	220	355	320
153229	25*28	280	387	348
153230	27*30	280	387	348
153231	30*32	295	448	403
153232	30*34	295	612	551
153233	30*36	330	612	551
153234	32*36	330	630	567
153235	34*36	365	755	680
153236	36*41	365	898	808
153237	53*63	530	2451	2206

153 Flare Nut Open Ring Wrenches



- DIN3118
- Die forged
- It is used for gripping the nuts on the ends of tubes.
- Similar to a box-end wrench but , instead of encircling the nut completely, it has a narrow opening justwide enough to allow the wrench to fit over the tube, and thick jaws to increase the contact area with the nut.

Number	S1*S2 inch	L mm	Be-Cu (g)	Al-Cu (g)
153238	3/8*7/16	140	51	46
153239	7/16*1/2	145	77	69
153240	1/2*9/16	145	72	65
153241	9/16*5/8	165	97	87
153242	5/8*11/16	170	125	113
153243	5/8*3/4	185	129	116
153244	3/4*7/8	200	162	146
153245	7/8*1	220	284	256
153246	1*1-1/16	220	284	256
153247	1*1-1/8	220	355	320

154 Wrench, Construction



- DIN837 ● Die forged
- Used to tighten or loosen bolts and nuts.
- Sharp tail.

Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
154001	8	200	155	140
154002	10	230	168	151
154003	11	230	168	151
154004	12	250	170	153
154005	13	250	170	153
154006	14	270	172	155
154007	15	270	175	158
154008	16	310	225	203
154009	17	310	225	203
154010	18	330	299	269
154011	19	330	299	269
154012	20	330	344	310
154013	21	350	342	308
154014	22	350	342	308
154015	23	350	340	306

154 Wrench, Construction



Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
154016	24	370	408	367
154017	25	370	400	360
154018	26	400	478	430
154019	27	400	475	428
154020	28	430	690	621
154021	29	430	685	617
154022	30	430	683	615
154023	32	430	680	612
154024	33	430	678	610
154025	34	460	972	875
154026	35	460	970	873
154027	36	460	966	869
154028	38	485	1135	1022
154029	41	485	1131	1018
154030	42	485	1380	1242
154031	46	520	1446	1301
154032	47	520	1440	1296
154033	48	540	1680	1512

154 Wrench, Construction



- DIN837 ● Die forged
- Used to tighten or loosen bolts and nuts.
- Sharp tail.

Number	S1*S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
154034	50	540	1677	1509
154035	55	560	1899	1709
154036	60	585	2570	2313
154037	65	630	2800	2520
154038	70	655	2750	2475
154039	75	680	3050	2745
154040	80	700	3300	2970
154041	90	720	3540	3186
154042	100	740	4280	3852
154043	115	760	4560	4104

154 Wrench, Construction, Inch



- DIN837 ● Die forged
- Used to tighten or loosen bolts and nuts.
- Sharp tail.

Number	S1*S2 inch	L mm	Be-Cu (g)	Al-Cu (g)
154044	13/16	350	363	327
154045	7/8	350	336	302
154046	15/16	370	423	381
154047	31/32	370	400	360
154048	1	370	400	360
154049	1-1/16	400	480	432
154050	1-1/8	430	699	629
154051	1-3/16	430	991	892
154052	1-1/4	430	687	618
154053	1-3/8	460	863	777
154054	1-7/16	460	870	783
154055	1-1/2	485	1188	1069
154056	1-9/16	485	1188	1069
154057	1-5/8	485	1188	1069
154058	1-3/4	520	1483	1335
154059	1-13/16	520	1483	1335
154060	1-7/8	540	1700	1530
154061	2	540	1707	1536
154062	2-3/16	560	1890	1701
154063	2-3/8	610	2514	2263

155 Wrench, Construction



- Q/ZBF-155 ● Precision Casting
- Used to tighten or loosen bolts and nuts.
- Sharp tail.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
155001	8	140	51	46
155002	10	150	68	61
155003	11	160	71	64
155004	12	170	96	86
155005	13	180	96	86
155006	14	190	122	110
155007	15	200	129	116
155008	16	210	160	144
155009	17	220	161	145
155010	18	230	204	184
155011	19	240	234	211
155012	20	250	255	230
155013	21	260	258	232
155014	22	270	296	266
155015	23	280	377	339
155016	24	290	388	349

155 Wrench, Construction



Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
155017	25	290	380	342
155018	26	320	530	477
155019	27	320	530	477
155020	28	320	528	475
155021	29	350	685	617
155022	30	350	683	615
155023	32	370	867	780
155024	33	380	880	792
155025	34	380	877	789
155026	35	390	890	801
155027	36	390	887	798
155028	38	400	1030	927
155029	40	410	1265	1139
155030	41	410	1264	1138
155031	42	410	1260	1134
155032	45	420	1562	1406
155033	46	420	1560	1404

155 Wrench, Construction



- Q/ZBF-155 ● Precision Casting
- Used to tighten or loosen bolts and nuts.
- Sharp tail.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
155034	50	430	1672	1505
155035	52	430	1670	1503
155036	54	440	2030	1827
155037	55	440	2029	1826
155038	56	440	2025	1823
155039	58	460	2184	1966
155040	60	460	2182	1964
155041	65	480	2611	2350
155042	67	480	2608	2347
155043	70	500	2876	2588
155044	75	520	3081	2773
155045	76	520	3265	2939
155046	80	540	3500	3150
155047	85	550	3820	3438
155048	90	575	3950	3555

155 Wrench, Construction, Inch



- Q/ZBF-155 ● Precision Casting
- Used to tighten or loosen bolts and nuts.
- Sharp tail.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
155049	1-5/16	380	858	780
155050	1-1/2	400	1003	912
155051	1-7/8	420	1538	1398
155052	2-3/4	500	2927	2661
155053	2-13/16	500	2927	2661
155054	2-7/8	520	3481	3165
155055	2-15/16	520	3481	3165
155056	3-1/16	540	3600	3273
155057	3-1/8	540	3580	3255
155058	3-3/16	540	3520	3200

155 Wrench, Construction



- Q/ZBF-155 ● Precision Casting
- Used to tighten or loosen bolts and nuts.
- Sharp tail.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
155059	27	315	860	774
155060	30	325	875	788
155061	32	335	1200	1080
155062	34	345	1848	1663
155063	36	360	1900	1710
155064	41	380	1980	1782
155065	46	400	2050	1845
155066	50	410	2230	2007
155067	55	420	2537	2283

156 Wrench, Single Box



- QB/T2613.5 ● Die forged
- Used to tighten or loosen bolts and nuts

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
156001	5.5	110	28	25
156002	6	110	28	25
156003	7	110	37	33
156004	8	110	38	34
156005	9	110	39	35
156006	10	120	39	35
156007	11	130	50	45
156008	12	130	51	46
156009	13	140	62	56
156010	14	140	64	58
156011	15	140	64	58
156012	16	155	96	86
156013	17	155	96	86
156014	18	170	128	115
156015	19	170	127	114
156016	20	170	127	114
156017	21	190	174	157
156018	22	190	174	157
156019	23	215	196	176
156020	24	215	194	175

156 Wrench, Single Box



- QB/T2613.5 ● Die forged
- Used to tighten or loosen bolts and nuts

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
156021	25	215	198	178
156022	26	230	242	218
156023	27	230	240	216
156024	28	230	238	214
156025	29	255	352	317
156026	30	255	350	315
156027	31	265	415	374
156028	32	265	413	372
156029	33	265	410	369
156030	34	295	570	513
156031	36	295	569	512
156032	37	295	568	511
156033	38	330	799	719
156034	40	330	795	716
156035	41	330	795	716
156036	42	330	793	714
156037	45	365	951	856
156038	46	365	950	855

156 Wrench, Single Box



Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
156039	48	400	1250	1125
156040	50	400	1247	1122
156041	51	400	1247	1122
156042	52	400	1246	1121
156043	54	445	1450	1305
156044	55	445	1448	1303
156045	56	445	1446	1301
156046	57	445	1445	1301
156047	60	475	1727	1554
156048	65	510	2084	1876
156049	70	555	2895	2606
156050	75	590	2776	2498
156051	76	590	2770	2493
156052	80	620	4230	3807
156053	85	625	4387	3948
156054	90	650	4947	4452
156055	95	665	5806	5225

156 Wrench, Single Box, Inch



- QB/T2613.5 ● Die forged
- Used to tighten or loosen bolts and nuts

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
156056	1/4	110	28	25
156057	3/8	120	40	36
156058	7/16	130	58	52
156059	1/2	140	76	68
156060	9/16	140	64	58
156061	5/8	155	98	88
156062	11/16	155	91	82
156063	3/4	170	123	111
156064	13/16	190	176	158
156065	7/8	190	176	158
156066	15/16	215	215	194
156067	1	215	211	190
156068	1-1/16	230	239	215
156069	1-1/8	255	375	338
156070	1-3/16	255	351	316
156071	1-1/4	265	410	369
156072	1-5/16	265	405	365
156073	1-3/8	295	561	505
156074	1-7/16	295	550	495

156 Wrench, Single Box, Inch



Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
156075	1-1/2	330	799	719
156076	1-9/16	330	765	689
156077	1-5/8	330	737	663
156078	1-11/16	330	723	651
156079	1-3/4	365	951	856
156080	1-13/16	365	874	787
156081	2	400	1251	1126
156082	2-1/8	445	1482	1334
156083	2-3/16	445	1421	1279
156084	2-1/4	445	1390	1251
156085	2-5/16	474	1840	1656
156086	2-3/8	474	1840	1656
156087	2-1/2	510	1909	1718
156088	2-5/8	510	1909	1718
156089	2-11/16	555	2547	2292
156090	2-3/4	555	2547	2292
156091	2-13/16	555	2547	2292
156092	2-7/8	590	3106	2795
156093	2-15/16	590	3106	2795

157 Wrench, Single Bent Box (JIS)



- JIS ● Die forged
- Used to tighten or loosen bolts and nuts, suitable for use where space is limited instead of straight single box wrench.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
157001	8	120	51	46
157002	10	120	51	46
157003	11	120	51	46
157004	12	150	85	77
157005	13	150	85	77
157006	14	150	85	77
157007	16	175	133	120
157008	17	175	133	120
157009	18	205	220	198
157010	19	205	220	198
157011	20	205	220	198
157012	21	205	220	198
157013	22	205	220	198
157014	23	250	347	312
157015	24	250	347	312
157016	25	250	335	302
157017	26	250	333	300
157018	27	250	332	299
157019	28	295	602	542
157020	29	295	600	540
157021	30	295	594	535

157 Wrench, Single Bent Box (JIS)



Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
157022	31	295	616	554
157023	32	295	615	554
157024	33	295	612	551
157025	34	305	700	630
157026	35	305	698	628
157027	36	305	695	626
157028	38	340	884	796
157029	40	340	884	796
157030	41	340	884	796
157031	42	340	880	792
157032	46	370	996	896
157033	48	400	1390	1251
157034	50	400	1387	1248
157035	51	400	1385	1247
157036	54	430	1632	1469
157037	55	430	1625	1463
157038	56	430	1623	1461
157039	58	450	1955	1760

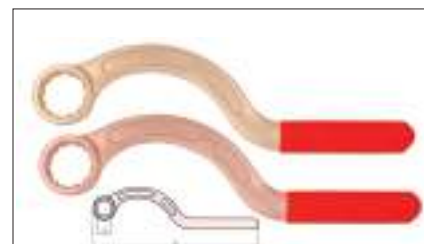
157 Wrench, Single Bent Box (JIS)



- JIS ● Die forged
- Used to tighten or loosen bolts and nuts, suitable for use where space is limited instead of straight single box wrench.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
157040	60	450	1951	1756
157041	61	450	1948	1753
157042	63	470	2223	2001
157043	65	470	2220	1998
157044	67	470	2218	1996
157045	70	490	2719	2447
157046	71	490	2720	2448
157047	75	510	3301	2971
157048	80	530	3794	3415
157049	85	550	3790	3411

157 Wrench, Single Bent Box



- JIS Die forged
- Used to tighten or loosen bolts and nuts, suitable for use where space is limited instead of straight single box wrench.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
157050	14	260	245	221
157051	17	260	255	230
157052	19	260	265	239
157053	22	280	346	311
157054	24	280	367	330
157055	27	300	469	422
157056	30	320	683	615
157057	32	320	683	615
157058	36	340	887	798
157059	41	360	1193	1074
157060	46	380	1366	1229
157061	50	420	1836	1652
157062	55	460	2376	2138
157063	60	510	3197	2877
157064	65	510	3197	2877
157065	70	540	3943	3549
157066	75	570	4116	3704
157067	80	590	4326	3893

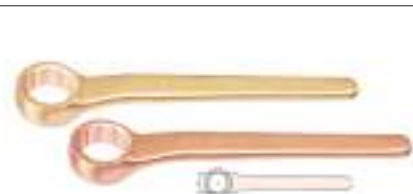
157 Wrench, Single Bent Box, Inch



- JIS ● Die forged
- Used to tighten or loosen bolts and nuts, suitable for use where space is limited instead of straight single box wrench.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
157068	5/16	119	51	46
157069	3/8	119	51	46
157070	1/2	151	73	66
157071	9/16	151	71	64
157072	11/16	174	137	123
157073	7/8	207	210	189
157074	15/16	250	342	308
157075	1-1/16	250	266	239
157076	1-1/4	295	447	402
157077	1-5/16	295	445	401
157078	1-3/8	307	635	572
157079	1-7/16	307	594	535
157080	1-1/2	340	975	878
157081	1-5/8	340	910	819
157082	1-3/4	370	1038	934
157083	1-13/16	370	1030	927
157084	1-7/8	400	1381	1243
157085	2-1/16	400	1316	1184
157086	2-3/16	430	1707	1536
157087	2-3/8	450	2048	1843
157088	2-9/16	470	2160	1944
157089	2-3/4	490	3068	2761

158 Wrench, Single Box Offset15°



- QB/T2613.5 ● Precision Casting
- Used to tighten or loosen bolts and nuts.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
158001	17	150	122	110
158002	18	170	172	155
158003	19	170	172	155
158004	21	190	225	203
158005	22	190	275	248
158006	23	210	326	293
158007	24	210	326	293
158008	26	230	470	423
158009	27	230	469	422
158010	30	250	581	523
158011	32	270	632	569
158012	35	290	858	772
158013	36	290	856	770
158014	41	310	1105	995
158015	46	320	1368	1231
158016	50	335	1600	1440

159 Wrench, Single Box Convex



- DIN3111 ● Precision Casting
- Used to tighten or loosen bolts and nuts, the convex head are suitable for use where space is deep concavity.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
159001	10	110	71	64
159002	12	120	105	95
159003	14	130	109	98
159004	17	150	173	156
159005	19	170	204	184
159006	22	190	306	275
159007	24	210	377	339
159008	27	230	459	413
159009	30	250	551	496
159010	32	270	785	707
159011	34	280	816	734
159012	36	290	907	816

159 Wrench, Single Box Convex



Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
159013	41	310	1105	995
159014	42	310	1100	990
159015	46	330	1550	1395
159016	50	350	1696	1526
159017	55	360	2032	1829
159018	60	370	2241	2017
159019	64	380	2750	2475
159020	65	380	2461	2215
159021	70	400	3302	2972
159022	75	420	3388	3049
159023	80	440	4234	3811

Pneumatic Bench Vise



8605006

159 Wrench, Single Box Offset



- QB/T2613.5 ● Die forged
- Used to tighten or loosen bolts and nuts, suitable for use where space is limited or deep concavity.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
159024	6	120	59	53
159025	7	120	59	53
159026	8	120	57	51
159027	9	125	66	59
159028	10	125	55	50
159029	11	130	76	68
159030	12	130	73	66
159031	13	145	105	95
159032	14	145	101	91
159033	15	145	98	88
159034	16	155	123	111
159035	17	155	112	101
159036	18	170	169	152

159 Wrench, Single Box Offset



Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
159037	19	170	158	142
159038	20	190	208	187
159039	21	190	188	169
159040	22	215	224	202
159041	23	215	249	224
159042	24	215	248	223
159043	25	215	245	221
159044	26	230	282	254
159045	27	230	280	252
159046	28	230	278	250
159047	30	265	494	445
159048	32	265	494	445
159049	34	295	630	567
159050	35	295	624	562
159051	36	295	622	560
159052	40	330	883	795
159053	41	330	881	793
159054	46	365	1104	994
159055	50	400	1399	1259
159056	55	445	1827	1644
159057	60	474	2060	1854
159058	65	510	2339	2105
159059	70	555	3250	2925
159060	75	590	3672	3305

159 Wrench, Single Box Offset, Inch



- QB/T2613.5
- Die forged
- Used to tighten or loosen bolts and nuts, suitable for use where space is limited or deep concavity.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
159061	3/8	125	55	50
159062	7/16	130	72	65
159063	1/2	145	105	95
159064	9/16	145	101	91
159065	3/4	170	158	142
159066	13/16	190	182	164
159067	15/16	215	231	208
159068	1	215	219	197

160 Wrench, Striking Box 12 Point



- DIN7444
- Die forged
- Slugging Wrenches are designed for loosening or tightening nuts and bolts where impact or shock loading is required.
- These are used with hammer.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
160001	8	100	63	57
160002	10	110	62	56
160003	11	120	61	55
160004	12	120	57	51
160005	13	130	57	51
160006	14	130	114	103
160007	15	130	112	101
160008	16	140	109	98
160009	17	140	154	139
160010	18	150	145	131
160011	19	150	145	131
160012	20	150	223	201
160013	21	160	223	201
160014	22	160	221	199
160015	24	170	248	223
160016	25	170	246	221
160017	27	180	343	309
160018	28	180	340	306

160 Wrench, Striking Box 12 Point



- DIN7444
- Die forged
- Slugging Wrenches are designed for loosening or tightening nuts and bolts where impact or shock loading is required.
- These are used with hammer.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
160019	29	190	420	378
160020	30	190	418	376
160021	32	200	471	424
160022	33	205	538	484
160023	34	205	535	482
160024	35	210	582	524
160025	36	210	580	522
160026	37	215	707	636
160027	38	215	705	635
160028	39	215	703	633
160029	40	220	750	675
160030	41	220	748	673

160 Wrench, Striking Box 12 Point



Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
160031	42	220	736	662
160032	43	230	733	660
160033	45	240	1002	902
160034	46	240	998	898
160035	47	240	995	896
160036	48	250	1335	1202
160037	49	250	1335	1202
160038	50	250	1331	1198
160039	51	250	1329	1196
160040	52	250	1325	1193
160041	53	260	1338	1204
160042	54	260	1335	1202
160043	55	260	1331	1198
160044	56	260	1328	1195
160045	58	270	1640	1476
160046	59	270	1639	1475

160 Wrench, Striking Box 12 Point



- DIN7444
- Die forged
- Slugging Wrenches are designed for loosening or tightening nuts and bolts where impact or shock loading is required.
- These are used with hammer.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
160047	60	270	1636	1472
160048	61	270	1630	1467
160049	62	270	1627	1464
160050	63	280	2240	2016
160051	64	280	2238	2014
160052	65	280	2236	2012
160053	66	280	2230	2007
160054	67	280	2225	2003
160055	68	290	2615	2354

160 Wrench, Striking Box 12 Point



Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
160056	69	290	2610	2349
160057	70	290	2608	2347
160058	71	290	2600	2340
160059	72	290	2594	2335
160060	73	315	2918	2626
160061	74	315	2915	2624
160062	75	315	2911	2620
160063	76	315	2905	2615
160064	77	315	2900	2610
160065	78	330	3452	3107
160066	79	330	3450	3105
160067	80	330	3447	3102
160068	81	330	3445	3101
160069	82	330	3440	3096
160070	83	345	3440	3096
160071	84	345	3670	3303
160072	85	345	3668	3301

160 Wrench, Striking Box 12 Point



- DIN7444 ● Die forged
- Slugging Wrenches are designed for loosening or tightening nuts and bolts where impact or shock loading is required.
- These are used with hammer.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
160073	86	345	3668	3301
160074	87	345	3665	3299
160075	88	360	4760	4284
160076	90	360	4758	4282
160077	92	360	4767	4290
160078	94	375	4972	4475
160079	95	375	4960	4464
160080	96	375	4955	4460
160081	97	375	4952	4457
160082	98	390	6210	5589
160083	100	390	6204	5584
160084	105	405	6330	5697
160085	106	405	6325	5693

160 Wrench, Striking Box 12 Point



- Q/ZBF-160A ● Precision Casting
- Slugging Wrenches are designed for loosening or tightening nuts and bolts where impact or shock loading is required. These are used with hammer

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
160101	10	105	96	86
160102	12	105	92	83
160103	13	105	94	85
160104	14	105	95	86
160105	17	115	112	101
160106	18	115	142	128
160107	19	115	142	128
160108	21	125	199	179
160109	22	125	197	177
160110	23	135	240	216
160111	24	135	235	212
160112	25	135	230	207
160113	26	150	340	306

160 Wrench, Striking Box 12 Point



- Q/ZBF-160A ● Precision Casting
- Slugging Wrenches are designed for loosening or tightening nuts and bolts where impact or shock loading is required. These are used with hammer

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
160128	42	230	960	864
160129	43	240	1205	1085
160130	44	240	1205	1085
160131	45	240	1200	1080
160132	46	240	1193	1074
160133	47	240	1194	1075
160134	48	250	1572	1415
160135	50	250	1570	1413
160136	51	250	1565	1409
160137	52	265	1640	1476
160138	53	265	1638	1474
160139	54	265	1635	1472

160 Wrench, Striking Box 12 Point



Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
160086	108	420	8395	7556
160087	110	420	8392	7553
160088	115	435	9320	8388
160089	117	435	9318	8386
160090	118	450	10152	9137
160091	120	450	10154	9139
160092	125	465	12930	11637
160093	128	480	14380	12942
160094	130	480	14374	12937
160095	135	495	14585	13127
160096	137	495	14592	13133
160097	140	510	14865	13379
160098	145	525	15338	13804
160099	150	540	16193	14574
160100	155	555	20401	18361

160 Wrench, Striking Box 12 Point



Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
160114	27	150	334	301
160115	28	165	430	387
160116	29	165	430	387
160117	30	165	428	385
160118	31	180	545	491
160119	32	180	540	486
160120	33	190	617	555
160121	34	190	612	551
160122	35	210	748	673
160123	36	210	744	670
160124	37	220	830	747
160125	38	220	826	743
160126	40	230	970	873
160127	41	230	969	872

160 Wrench, Striking Box 12 Point



Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
160140	55	265	1632	1469
160141	56	265	1720	1548
160142	57	275	1941	1747
160143	58	275	1940	1746
160144	60	275	1938	1744
160145	61	275	1935	1742
160146	62	275	1930	1737
160147	63	285	2552	2297
160148	65	285	2550	2295
160149	67	285	2543	2289
160150	68	300	2790	2511
160151	69	300	2788	2509
160152	70	300	2784	2506

160 Wrench, Striking Box 12 Point



- Q/ZBF-160A ● Precision Casting
- Slugging Wrenches are designed for loosening or tightening nuts and bolts where impact or shock loading is required. These are used with hammer

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
160153	75	310	3264	2938
160154	76	310	3260	2934
160155	80	325	3876	3488
160156	84	340	4592	4133
160157	85	340	4590	4131
160158	88	355	4630	4167
160159	90	355	4896	4406
160160	95	370	5508	4957
160161	96	370	5505	4955
160162	98	385	6480	5832
160163	100	385	6477	5829

160 Wrench, Striking Box 12 Point, Inch



- Q/ZBF-160A ● Precision Casting
- Slugging Wrenches are designed for loosening or tightening nuts and bolts where impact or shock loading is required. These are used with hammer

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
160178	5/8	108	111	100
160179	11/16	108	111	100
160180	3/4	117	148	133
160181	13/16	127	196	176
160182	7/8	127	179	161
160183	15/16	138	289	260
160184	1	138	298	268
160185	1-1/16	150	331	298
160186	1-1/8	163	448	403
160187	1-3/16	163	441	397
160188	1-1/4	177	598	538
160189	1-5/16	192	617	555
160190	1-3/8	208	698	628
160191	1-7/16	208	766	689
160192	1-1/2	215	954	859

160 Wrench, Striking Box 12 Point, Inch



- Q/ZBF-160A ● Precision Casting
- Slugging Wrenches are designed for loosening or tightening nuts and bolts where impact or shock loading is required. These are used with hammer

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
160210	2-1/2	286	2182	1964
160211	2-9/16	286	2192	1973
160212	2-5/8	286	2521	2269
160213	2-3/4	298	2811	2530
160214	2-7/8	311	3352	3017
160215	3	311	3085	2777
160216	3-1/16	325	3738	3364
160217	3-1/8	325	3738	3364
160218	3-1/4	339	4436	3992
160219	3-5/16	339	4436	3992
160220	3-3/8	339	4435	3992
160221	3-7/16	340	3974	3577
160222	3-1/2	355	4778	4300
160223	3-9/16	355	4778	4300
160224	3-5/8	355	4778	4300

160 Wrench, Striking Box 12 Point



Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
160164	102	385	6473	5826
160165	105	405	7038	6334
160166	106	405	7035	6332
160167	110	415	7280	6552
160168	115	415	7825	7043
160169	118	425	7405	6665
160170	120	425	8874	7987
160171	125	450	9189	8270
160172	130	465	9205	8285
160173	135	480	9337	8403
160174	140	500	9680	8712
160175	145	520	9675	8708
160176	150	540	9675	8708
160177	160	560	10160	9144

160 Wrench, Striking Box 12 Point, Inch



Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
160193	1-9/16	225	986	887
160194	1-5/8	225	1014	913
160195	1-11/16	243	1451	1306
160196	1-3/4	243	1236	1112
160197	1-13/16	243	1216	1094
160198	1-7/8	243	1275	1148
160199	1-15/16	254	1473	1326
160200	2	254	1510	1359
160201	2-1/16	264	1936	1742
160202	2-1/8	264	1795	1616
160203	2-3/16	264	1623	1461
160204	2-13/64	264	1720	1548
160205	2-7/32	264	1720	1548
160206	2-1/4	275	1864	1678
160207	2-5/16	275	1772	1595
160208	2-3/8	275	1887	1698
160209	2-7/16	275	2055	1850

160 Wrench, Striking Box 12 Point, Inch



Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
160225	3-11/16	370	5692	5123
160226	3-3/4	370	5692	5123
160227	3-13/16	387	6452	5807
160228	3-7/8	387	6452	5807
160229	3-15/16	387	6295	5666
160230	4	387	6295	5666
160231	4-1/16	405	6883	6195
160232	4-3/16	405	6547	5892
160233	4-1/4	410	7280	6552
160234	4-5/16	410	7280	6552
160235	4-3/8	410	7280	6552
160236	4-9/16	410	7825	7043
160237	4-5/8	425	7405	6665
160238	4-11/16	425	8061	7255
160239	4-3/4	425	8061	7255
160240	4-15/16	450	9189	8270

160 Safety Handrail for Striking Wrench



- Matched with striking wrench to tighten or loosen the bolts and nuts in special space.
- It is safety & reliable

Number	Size mm	L mm	Be-Cu (g)	Al-Cu (g)
160241	17-50	500	1387	1248
160242	50-100	610	1887	1698
160243	100-150	650	1683	1515

160 Wrench, Striking Box 6 Point



- DIN7444 ● Die forged
- Slugging Wrenches are designed for loosening or tightening nuts and bolts where impact or shock loading is required.
- These are used with hammer.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
160244	27	175	348	316
160245	32	185	471	428
160246	36	205	654	594
160247	41	225	783	712
160248	46	235	1042	947
160249	50	250	1182	1075

160 Wrench, Striking Box 8 Point



- DIN7444 ● Die forged
- Slugging Wrenches are designed for loosening or tightening nuts and bolts where impact or shock loading is required.
- These are used with hammer.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
160250	30	175	347	312
160251	32	185	473	426
160252	36	200	539	485
160253	41	215	682	614
160254	46	235	979	881
160255	50	235	979	881
160256	55	250	1133	1020
160257	60	265	1430	1287
160258	65	274	1595	1436

160 Wrench, Striking Box Self-Retaining



- DIN7444 ● Die forged
- Slugging Wrenches are designed for loosening or tightening nuts and bolts where impact or shock loading is required.
- These are used with hammer.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
160259	17	145	148	133
160260	19	145	137	123
160261	22	155	212	191
160262	24	165	229	206
160263	27	175	331	298
160264	30	185	446	401
160265	32	185	449	404
160266	36	205	623	561
160267	41	225	746	671
160268	46	235	992	893
160269	50	250	1126	1013
160270	60	275	1693	1524
160271	65	298	2164	1948
160272	70	320	2556	2300
160273	75	326	2938	2644

161 Wrench, Striking Box 12 Point, Inch



- DIN7444 ● Die forged
- Slugging Wrenches are designed for loosening or tightening nuts and bolts where impact or shock loading is required.
- These are used with hammer.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
161001	9/16	130	115	104
161002	5/8	130	109	98
161003	11/16	145	170	153
161004	3/4	145	150	135
161005	25/32	155	215	194
161006	13/16	155	213	192
161007	7/8	155	278	250
161008	15/16	165	229	206
161009	1	165	346	311
161010	1-1/16	175	357	321
161011	1-1/8	175	424	382
161012	1-3/16	185	445	401
161013	1-1/4	185	476	428
161014	1-5/16	200	529	476
161015	1-3/8	205	521	469
161016	1-13/32	205	623	561
161017	1-7/16	215	664	598
161018	1-1/2	215	675	608

161 Wrench, Striking Box 12 Point, Inch



- DIN7444 ● Die forged
- Slugging Wrenches are designed for loosening or tightening nuts and bolts where impact or shock loading is required.
- These are used with hammer.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
161019	1-9/16	225	750	675
161020	1-5/8	225	752	677
161021	1-11/16	225	689	620
161022	1-3/4	235	1049	944
161023	1-13/16	235	990	891
161024	1-7/8	235	955	860
161025	1-15/16	250	1143	1029
161026	2	250	1129	1016
161027	2-1/16	250	1123	1011
161028	2-1/8	265	1344	1210
161029	2-3/16	265	1331	1198
161030	2-7/32	265	1320	1188
161031	2-13/64	275	1775	1598
161032	2-1/4	275	1775	1598
161033	2-5/16	275	1775	1598
161034	2-3/8	275	1693	1524
161035	2-1/2	298	2304	2074

161 Wrench, Striking Box 12 Point, Inch



Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
161036	2-9/16	298	2164	1948
161037	2-5/8	298	1988	1789
161038	2-3/4	320	2556	2300
161039	2-15/16	326	2938	2644
161040	3	326	2868	2581
161041	3-1/16	350	3679	3311
161042	3-1/8	350	3659	3293
161043	3-1/4	350	3543	3189
161044	3-5/16	355	4330	3897
161045	3-3/8	355	4327	3894
161046	3-1/2	380	5062	4556
161047	3-9/16	380	4924	4432
161048	3-5/8	380	4767	4290
161049	3-3/4	390	5095	4586

161 Wrench, Striking Box 12 Point, Inch



- DIN7444 ● Die forged
- Slugging Wrenches are designed for loosening or tightening nuts and bolts where impact or shock loading is required.
- These are used with hammer.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
161050	3-13/16	390	5088	4579
161051	3-7/8	410	6235	5612
161052	3-15/16	410	5721	5149
161053	4-1/16	420	6455	5810
161054	4-1/8	420	6455	5810
161055	4-3/16	420	6389	5750
161056	4-5/16	445	7532	6779
161057	4-7/16	445	7532	6779
161058	4-1/2	460	8202	7382
161059	4-9/16	460	8202	7382
161060	4-5/8	460	7644	6880
161061	4-11/16	480	10273	9246
161062	4-15/16	500	12930	11637
161063	5	520	14596	13136

161 Wrench, Striking Box 6 Point, Inch



- DIN7444 ● Die forged
- Slugging Wrenches are designed for loosening or tightening nuts and bolts where impact or shock loading is required.
- These are used with hammer.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
161064	1-1/16	175	330	297
161065	1-3/16	185	446	401
161066	1-7/16	205	623	561
161067	1-5/8	225	746	671
161068	2	250	1126	1013
161069	2-3/16	265	1341	1207
161070	2-3/8	275	1693	1524
161071	2-9/16	298	2164	1948
161072	2-3/4	320	2556	2300
161073	2-15/16	326	2938	2644
161074	3-1/8	350	3612	3251
161075	3-1/2	380	4924	4432
161076	3-7/8	410	6235	5612
161077	4-1/4	445	7915	7124

161 Wrench, Striking Box, Inch Self-Retaining



- DIN7444 ● Die forged
- Slugging Wrenches are designed for loosening or tightening nuts and bolts where impact or shock loading is required.
- These are used with hammer.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
161078	1-1/4	185	449	404
161079	1-5/8	225	746	671
161080	2	250	1126	1013
161081	2-3/16	265	1331	1198
161082	2-3/8	275	1693	1524
161083	2-9/16	298	2164	1948
161084	2-3/4	320	2556	2300

162 Wrench, Striking Box



- Q/ZBF-162 ● Precision Casting
- This is a specialized thick, stocky wrench with a block end to the handle specifically designed for use with a hammer, enabling one to impact great force.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
162001	24	165	445	401
162002	26	165	620	558
162003	27	165	615	554
162004	28	165	600	540
162005	30	180	880	792
162006	32	180	877	789
162007	34	190	1170	1053
162008	35	190	1165	1049
162009	36	190	1162	1046
162010	37	190	1160	1044
162011	38	200	1670	1503
162012	40	200	1664	1498
162013	41	200	1664	1498

162 Wrench, Striking Box



- Q/ZBF-162 ● Precision Casting
- This is a specialized thick, stocky wrench with a block end to the handle specifically designed for use with a hammer, enabling one to impact great force.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
162014	42	200	1662	1496
162015	45	210	1940	1746
162016	46	210	1938	1744
162017	47	210	1938	1744
162018	50	230	2448	2203
162019	51	230	2446	2201
162020	52	230	2446	2201
162021	54	260	3778	3400
162022	55	260	3774	3397
162023	57	260	3770	3393

162 Wrench, Striking Box



Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
162024	60	290	4651	4186
162025	62	320	5408	4867
162026	65	320	5406	4865
162027	67	320	5400	4860
162028	70	350	7201	6481
162029	75	380	8821	7939
162030	76	380	8820	7938
162031	79	410	10750	9675
162032	80	410	10668	9601
162033	85	425	11113	10002
162034	90	435	13200	11880
162035	95	445	13228	11905

162 Wrench, Offset Striking Box



- Q/ZBF-162B ● Die forged
- Offset pattern, because of its offset angle it raises the level of wrench above surface.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
162036	22	235	608	547
162037	24	235	605	545
162038	27	245	693	624
162039	30	270	1009	908
162040	32	270	1040	936
162041	34	280	1204	1084
162042	35	280	1185	1067
162043	36	280	1183	1065
162044	38	305	1575	1418
162045	39	305	1559	1403
162046	40	305	1560	1404
162047	41	305	1560	1404

162 Wrench, Offset Striking Box



Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
162048	44	310	1940	1746
162049	45	310	1940	1746
162050	46	310	1938	1744
162051	48	320	2235	2012
162052	50	320	2233	2010
162053	52	320	2230	2007
162054	55	320	2519	2267
162055	60	355	3111	2800
162056	65	380	3702	3332
162057	70	400	4212	3791
162058	71	400	4210	3789
162059	73	420	8010	7209
162060	75	420	8007	7206
162061	77	420	8002	7202
162062	78	435	5880	5292

162 Wrench, Offset Striking Box



- Q/ZBF-162B ● Die forged
- Offset pattern, because of its offset angle it raises the level of wrench above surface.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
162063	80	435	5875	5288
162064	85	445	6160	5544
162065	90	455	6650	5985
162066	95	465	8629	7766
162067	100	475	8640	7776
162068	105	485	8655	7790
162069	110	495	8670	7803
162070	115	505	8845	7961
162071	120	515	9241	8317
162072	125	525	9460	8514
162073	137	535	9817	8835

162 Wrench, Offset Striking Box, Inch



- Q/ZBF-162B ● Die forged
- Offset pattern, because of its offset angle it raises the level of wrench above surface.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
162074	1-1/16	245	701	631
162075	1-3/16	270	1154	1039
162076	1-1/4	270	1011	910
162077	1-5/16	270	994	895
162078	1-7/16	280	1154	1039
162079	1-1/2	305	1575	1418
162080	1-5/8	305	1430	1287
162081	1-3/4	310	1952	1757
162082	1-13/16	310	1901	1711
162083	1-7/8	320	2251	2026
162084	2	320	2151	1936
162085	2-1/16	320	2100	1890
162086	2-1/8	320	2530	2277

162 Wrench, Offset Striking Box, Inch



- Q/ZBF-162B ● Die forged
- Offset pattern, because of its offset angle it raises the level of wrench above surface.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
162087	2-3/16	320	2514	2263
162088	2-1/4	355	3230	2907
162089	2-3/8	355	3129	2816
162090	2-7/16	355	3097	2787
162091	2-1/2	380	3693	3324
162092	2-9/16	380	3607	3246
162093	2-5/8	380	3544	3190
162094	2-3/4	400	4343	3909
162095	2-13/16	400	4330	3897
162096	2-7/8	420	5255	4730
162097	3	420	5077	4569

162 Wrench, Offset Striking Box



- Q/ZBF-162B ● Die forged
- Offset pattern, because of its offset angle it raises the level of wrench above surface.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
162098	19	145	203	185
162099	22	160	420	382
162100	24	160	403	366
162101	27	180	492	447
162102	30	200	651	592
162103	32	200	624	567
162104	34	220	802	729
162105	36	220	788	716
162106	38	240	1036	942
162107	41	240	1027	933
162108	42	240	1021	928
162109	46	255	1228	1116
162110	50	270	1530	1391
162111	55	295	2018	1835
162112	56	295	2000	1800

162 Wrench, Offset Striking Box



- Q/ZBF-162B ● Die forged
- Offset pattern, because of its offset angle it raises the level of wrench above surface.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
162113	60	315	2377	2161
162114	65	330	2823	2566
162115	70	350	3733	3394
162116	75	370	4869	4427
162117	80	385	5135	4668
162118	85	400	5575	5068
162119	90	410	6656	6051
162120	95	420	7250	6591
162121	100	435	8188	7443
162122	105	450	9118	8289
162123	110	465	10015	9105
162124	115	475	11200	10182
162125	120	485	12881	11710
162126	125	495	13169	11972

162 Wrench, Offset Striking Box, Inch



- Q/ZBF-162B ● Die forged
- Offset pattern, because of its offset angle it raises the level of wrench above surface.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
162127	7/8	160	420	382
162128	1-1/16	180	492	447
162129	1-1/8	200	651	592
162130	1-1/4	200	624	567
162131	1-7/16	220	788	716
162132	1-5/8	240	1027	933
162133	2	270	1538	1399
162134	2-1/16	295	2042	1856
162135	2-3/8	317	2377	2161
162136	2-9/16	330	2823	2566
162137	2-15/16	370	4869	4427
162138	3	370	4820	4382
162139	3-1/2	410	6656	6051
162140	3-7/8	435	8287	7534
162141	4	435	8257	7506
162142	4-1/4	465	10015	9105
162143	4-7/8	495	13169	11972
162144	5-3/8	520	14586	13260

162 Wrench, Offset Striking Box 6 Point



- Q/ZBF-162B ● Die forged
- Offset pattern, because of its offset angle it raises the level of wrench above surface.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
162145	46	250	1330	1200
162146	50	270	1650	1450
162147	55	295	2054	1867
162148	65	330	2998	2726
162149	70	350	3385	3060

163 Wrench, Striking Convex Box



- Q/ZBF-163 ● Die forged
- Used to tighten or loosen large bolts and nuts.
- The convex head are suitable for use where space is deep concavity.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
163001	14	120	138	124
163002	17	145	232	209
163003	19	145	210	189
163004	22	165	337	303
163005	24	165	314	283
163006	26	175	415	374
163007	27	175	412	371
163008	30	185	607	546
163009	32	185	564	508
163010	34	210	782	704
163011	35	210	780	702
163012	36	210	779	701
163013	38	225	970	873
163014	40	225	966	869
163015	41	225	964	868
163016	42	225	960	864
163017	46	245	1305	1175
163018	50	255	1432	1289
163019	52	255	1430	1287
163020	55	265	1686	1517
163021	58	280	1884	1696
163022	60	280	1884	1696

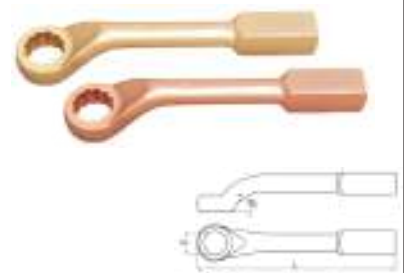
163 Wrench, Striking Convex Box



- Q/ZBF-162B ● Die forged
- Offset pattern, because of its offset angle it raises the level of wrench above surface.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
163023	65	300	2486	2237
163024	70	320	2912	2621
163025	75	325	3366	3029
163026	80	350	3780	3402
163027	85	355	4250	3825
163028	90	380	6093	5484
163029	95	390	6589	5930
163030	100	410	8165	7349
163031	105	420	9009	8108
163032	110	445	9570	8613
163033	115	460	10888	9799
163034	120	480	11670	10503
163035	125	500	12356	11120
163036	130	520	14435	12992

163 Offset Slogging Box Wrench (American Type)



- Q/ZBF-163A ● Die forged
- Used to tighten or loosen large bolts and nuts.
- American type, more durable.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
163037	22	240	960	864
163038	24	240	973	876
163039	27	270	1316	1184
163040	30	280	1591	1432
163041	32	290	1731	1558
163042	34	300	1980	1782
163043	36	300	1979	1781
163044	38	320	1965	1769
163045	41	320	2229	2006
163046	46	340	2869	2582
163047	50	350	3395	3056

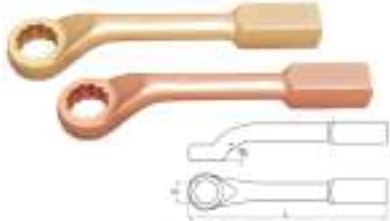
163 Offset Slogging Box Wrench (American Type)



- Q/ZBF-163A ● Die forged
- Used to tighten or loosen large bolts and nuts.
- American type, more durable.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
163048	55	360	4038	3634
163049	60	375	4310	3879
163050	65	390	4434	3991
163051	70	400	5569	5012
163052	75	420	5959	5363
163053	80	440	7585	6827
163054	85	460	8526	7673
163055	90	480	9740	8766
163056	95	495	10245	9221
163057	100	515	11215	10094
163058	110	550	13400	12060
163059	120	585	15500	13950
163060	130	620	17700	15930

163 Offset Slogging Box Wrench Inch (American Type)



- Q/ZBF-163A ● Die forged
- Used to tighten or loosen large bolts and nuts.
- American type, more durable.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
163061	1-1/16	270	1224	1102
163062	1-1/8	280	1530	1377
163063	1-7/16	300	1925	1733
163064	1-5/8	320	2129	1916
163065	1-11/16	320	2112	1901
163066	1-3/4	340	2921	2629
163067	1-13/16	340	2899	2609
163068	1-7/8	340	2863	2577
163069	2	350	3292	2963

163 Offset Slogging Box Wrench Inch (American Type)



- Q/ZBF-163A ● Die forged
- Used to tighten or loosen large bolts and nuts.
- American type, more durable.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
163070	2-1/16	360	4010	3609
163071	2-3/16	360	3773	3396
163072	2-1/4	360	3192	2873
163073	2-3/8	375	4119	3707
163074	2-7/16	375	4089	3680
163075	2-9/16	390	4371	3934
163076	2-5/8	390	4366	3929
163077	2-13/16	400	5485	4937
163078	2-15/16	420	5834	5251
163079	3	420	5628	5065
163080	3-1/16	440	7748	6973
163081	3-3/16	440	7745	6971
163082	3-5/8	480	9740	8766
163083	4-1/16	515	11215	10094
163084	4-1/8	515	10858	9772
163085	5-1/8	620	17700	15930

163 Wrench, Striking Convex Box Inch



- Q/ZBF-163 ● Die forged
- Used to tighten or loosen large bolts and nuts.
- The convex head are suitable for use where space is deep concavity.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
163086	3/4	145	210	189
163087	1	175	397	357
163088	1-3/8	210	775	698
163089	1-13/32	210	748	673
163090	1-5/8	227	896	806
163091	1-3/4	245	1242	1118
163092	2-3/16	267	1660	1494

163 Wrench, Striking Convex Box Bent



- Q/ZBF-164 ● Die forged
- Used to tighten or loosen large bolts and nuts, the bent head are suitable for use where space is narrow or deep concavity.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
163093	32	190	768	691
163094	36	210	992	893
163095	41	225	1292	1163
163096	46	240	1601	1441
163097	50	255	1985	1787
163098	55	270	2185	1967
163099	60	275	2449	2204
163100	65	300	3061	2755
163101	75	315	3705	3335

164 Wrench, Striking Box Bent



- Q/ZBF-164 ● Die forged
- Used to tighten or loosen large bolts and nuts, the bent head are suitable for use where space is narrow or deep concavity.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
164001	17	145	164	148
164002	18	145	155	140
164003	19	145	150	135
164004	20	145	144	130
164005	22	160	302	272
164006	24	160	280	252
164007	26	175	390	351
164008	27	175	388	349
164009	29	190	560	504
164010	30	190	559	503
164011	31	190	565	509
164012	32	190	568	511
164013	34	210	668	601
164014	36	210	664	598
164015	38	225	835	752
164016	40	225	835	752

164 Wrench, Striking Box Bent



- Q/ZBF-164 ● Die forged
- Used to tighten or loosen large bolts and nuts, the bent head are suitable for use where space is narrow or deep concavity.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
164017	41	225	833	750
164018	42	225	830	747
164019	44	240	1170	1053
164020	45	240	1165	1049
164021	46	240	1163	1047
164022	48	255	1290	1161
164023	50	255	1288	1159
164024	51	255	1285	1157
164025	52	255	1281	1153
164026	54	270	1602	1442
164027	55	270	1599	1439
164028	56	270	1594	1435
164029	60	285	1804	1624

164 Wrench, Striking Box Bent



Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
164030	61	285	1800	1620
164031	62	285	1797	1617
164032	64	300	2670	2403
164033	65	300	2668	2401
164034	70	315	3028	2725
164035	73	330	3644	3280
164036	75	330	3640	3276
164037	76	330	3635	3272
164038	80	350	4046	3641
164039	85	365	4828	4345
164040	90	385	7130	6417
164041	95	400	7930	7137
164042	100	425	8340	7506
164043	105	435	8649	7784
164044	110	450	10543	9489

164 Wrench, Striking Box Bent



- Q/ZBF-164 ● Die forged
- Used to tighten or loosen large bolts and nuts, the bent head are suitable for use where space is narrow or deep concavity.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
164045	115	465	11497	10347
164046	120	475	13421	12079
164047	125	490	15700	14130
164048	130	505	17833	16050
164049	135	520	18850	16965
164050	140	535	19986	17987
164051	145	550	21945	19751
164052	150	565	22590	20331
164053	155	575	23698	21328

164 Ring Wrench For Extension



- Q/ZBF-164A ● Die forged
- Matched with extra long extension bar, save effort.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
164054	17	170	420	378
164055	18	170	415	374
164056	19	170	393	354
164057	22	180	535	482
164058	24	180	479	431
164059	25	180	476	428
164060	27	190	530	477
164061	30	200	591	532
164062	32	235	615	554
164063	33	235	625	563
164064	34	245	946	851
164065	35	245	959	863
164066	36	245	969	872
164067	37	245	970	873

164 Ring Wrench For Extension



- Q/ZBF-164A ● Die forged
- Matched with extra long extension bar, save effort.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
164068	38	265	1120	1008
164069	41	265	1117	1005
164070	42	265	1115	1004
164071	46	280	1561	1405
164072	47	280	1558	1402
164073	50	290	1652	1487
164074	52	290	1650	1485
164075	54	300	1910	1719
164076	55	300	1906	1715
164077	56	300	1850	1665

164 Ring Wrench For Extension



Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
164078	58	345	3258	2932
164079	60	345	3255	2930
164080	65	355	3339	3005
164081	70	365	3942	3548
164082	75	375	4345	3911
164083	80	385	4967	4470
164084	85	395	5580	5022
164085	90	410	6265	5639
164086	95	425	6845	6162

Product Display



164 Ring Wrench For Extension Inch



- Q/ZBF-164A ● Die forged
- Matched with extra long extension bar, save effort.

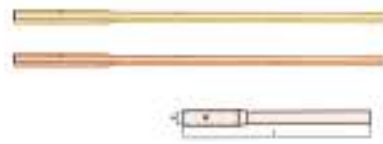
Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
164087	3/4	170	394	355
164088	13/16	180	535	482
164089	7/8	180	498	448
164090	15/16	180	485	437
164091	1	190	545	491
164092	1-1/16	190	527	474
164093	1-1/8	200	629	566
164094	1-3/16	200	620	558
164095	1-1/4	235	854	769
164096	1-5/16	245	970	873
164097	1-3/8	245	957	861

164 Ring Wrench For Extension Inch



Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
164098	1-7/16	245	955	860
164099	1-1/2	265	1142	1028
164100	1-9/16	265	1118	1006
164101	1-5/8	265	1111	1000
164102	1-11/16	280	1557	1401
164103	1-3/4	280	1550	1395
164104	1-13/16	280	1533	1380
164105	1-7/8	290	1753	1578
164106	1-15/16	290	1790	1611
164107	2	300	1885	1697
164108	2-1/16	300	2006	1805
164109	2-1/8	300	1905	1715
164110	2-15/16	375	4335	3902

164 Extension bar



Number	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
164111	19	460	918	826
164112	22	610	1560	1404
164113	25	760	2575	2318
164114	30	860	4284	3856

164 Extension pipe



Number	Φ mm	L mm	Copper (g)	Brass (g)
164115	19	460	880	830
164116	22	610	1280	1210
164117	25	760	2125	2005
164118	30	860	3265	3080

164 Wrench, Striking Box Bent, Inch



- Q/ZBF-164 ● Die forged
- Used to tighten or loosen large bolts and nuts, the bent head are suitable for use where space is narrow or deep concavity.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
164119	7/8	160	302	272
164120	1-1/8	190	532	479
164121	1-3/16	190	529	476
164122	1-1/4	190	508	457
164123	1-7/16	210	640	576
164124	1-5/8	225	780	702
164125	1-13/16	240	1105	995
164126	1-7/8	240	1190	1071
164127	1-15/16	255	1205	1085

164 Wrench, Striking Box Bent, Inch



- Q/ZBF-164 ● Die forged
- Used to tighten or loosen large bolts and nuts, the bent head are suitable for use where space is narrow or deep concavity.

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
164128	2	255	1240	1116
164129	2-3/8	285	1936	1742
164130	2-1/2	300	2242	2018
164131	2-3/4	320	2501	2251
164132	3	330	2674	2407

164 Wrench, Striking Box Bent, 6 Point



- Q/ZBF-164 ● Die forged
- Used to tighten or loosen large bolts and nuts, the bent head are suitable for use where space is narrow or deep concavity.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
164133	27	175	407	366
164134	30	190	552	497
164135	32	190	508	457
164136	34	210	658	592
164137	36	210	651	586
164138	41	225	881	793
164139	42	225	751	676
164140	46	240	1082	974
164141	50	255	1259	1133
164142	55	270	1452	1307
164143	60	285	1999	1799
164144	65	300	2441	2197
164145	70	320	3023	2721
164146	80	340	4328	3895
164147	90	360	6510	5859

164 Wrench, Striking Box Bent



- Q/ZBF-164 ● Die forged
- Used to tighten or loosen large bolts and nuts, the bent head are suitable for use where space is narrow or deep concavity.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
164148	50	245	2950	2655
164149	55	270	3456	3110

165 Valve Square Driver



- Q/ZBF-165 ● Precision Casting
- Used to open and close square valves.

Number	C mm	L mm	Be-Cu (g)	Al-Cu (g)
165001	6	110	68	61
165002	8	120	80	72
165003	9	140	104	94
165004	10	140	107	96
165005	11	160	119	107
165006	12	180	174	157
165007	13	200	197	177
165008	14	230	354	319
165009	15	250	341	307
165010	16	250	341	307
165011	17	300	401	361
165012	18	300	405	365
165013	19	350	589	530
165014	20	350	585	527
165015	21	400	920	828
165016	22	400	918	826
165017	23	450	1353	1218
165018	24	450	1353	1218
165019	25	500	1353	1218
165020	29	500	2299	2069
165021	30	550	2365	2129
165022	31	550	2574	2317
165023	33	600	2574	2317
165024	34	600	2574	2317

165 Valve Square Driver



- Q/ZBF-165A
- Precision Casting
- Used to open and close square valves.

Number	Size	C mm	K mm	L mm	Be-Cu (g)	Al-Cu (g)
165025	DN15	12	8	140	88	79
165026	DN20	14	9	140	86	77
165027	DN25	16	10	160	108	97
165028	DN32	17	11	200	189	170
165029	DN40	18	12	200	189	170
165030	DN45	20	14	230	271	244
165031	DN50	23	15	250	352	317
165032	DN65	24	16	300	418	376
165033	DN80	25	17	350	622	560
165034	DN100	28	18	350	604	544
165035	DN125	32	22	400	890	801
165036	DN150	36	24	500	1340	1206
165037	DN200	38	26	600	1917	1725
165038	DN250	42	28	600	2213	1992

165 Ball Valve Wrench, Head



Number	Size	D mm	K mm	Be-Cu (g)	Al-Cu (g)
165039	DN65	24	16	825	743
165040	DN80	25	17	1045	941
165041	DN100	28	18	1110	999
165042	DN125	32	22	1346	1211
165043	DN150	36	24	1530	1377
165044	DN200	38	26	1535	1382
165045	DN250	42	28	1917	1725

165 Ball Valve Wrench, Rod

Number	Size	D mm	L mm	Copper (g)	Brass (g)
165046	DN65-100	25	1000	1728	1728
165047	DN125-250	30	1000	2218	2218

165 Fire Hydrant Wrench

Number	Size	L mm	Be-Cu (g)	Al-Cu (g)
165048	50	360	1150	1035
165049	55	380	1326	1193
165050	65	400	1632	1469

165 Valve Wrench, Double Ended

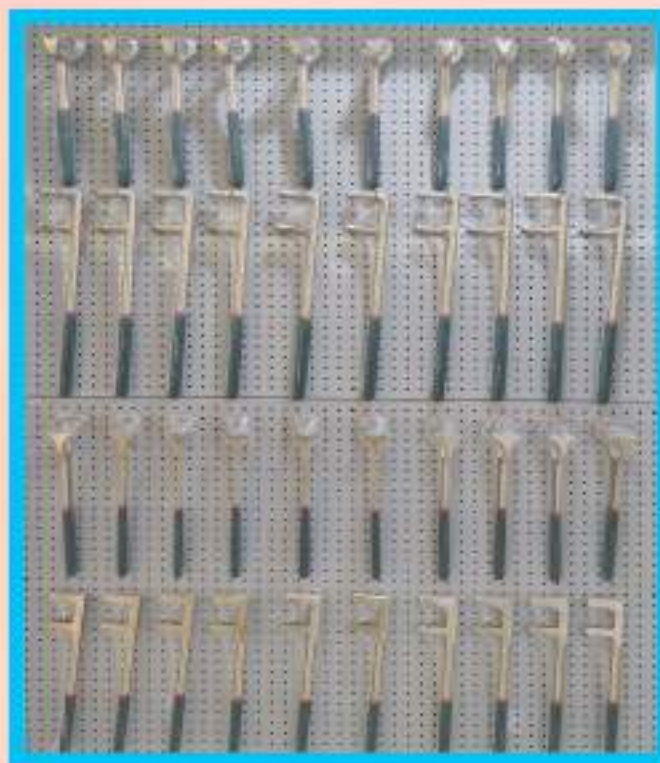
Number	Size mm	L mm	C* C mm	D* K mm	Be-Cu (g)	Al-Cu (g)
165051	DN50	250	18*18	23*15	420	378
165052	DN80	480	19*19	25*17	945	851
165053	DN100	600	20*20	28*18	1260	1134

165 Open-end Wrench, Square hole

Number	C mm	L mm	Be-Cu (g)	Al-Cu (g)
165054	22	500	1635	1472
165055	24	555	1980	1782
165056	27	600	2408	2167



B1



165 Offset Valve Square Driver



- Q/ZBF-165F ● Precision Casting
- Used to open and close square valves.

Number	C mm	L mm	Be-Cu (g)	Al-Cu (g)
165057	9	140	96	86
165058	11	140	121	109
165059	12	190	155	140
165060	13	190	187	168
165061	14	250	333	300
165062	15	250	329	296
165063	16	300	325	293
165064	17	300	430	387
165065	18	350	735	662
165066	19	350	730	657
165067	20	400	725	653
165068	21	400	951	856
165069	22	450	996	896
165070	23	450	1387	1248
165071	24	500	1330	1197
165072	25	500	1323	1191
165073	29	550	2295	2066
165074	30	550	2323	2091
165075	31	600	2574	2317
165076	33	600	2566	2309
165077	37	700	4060	3654

165 Offset Valve Square D



- Q/ZBF-165G ● Precision Casting
- Used to open and close square valves.

Number	C mm	K mm	L mm	Be-Cu (g)	Al-Cu (g)
165078	30	20	400	974	877
165079	32	22	400	925	833
165080	32	25	450	882	794
165081	35	23	450	1341	1207
165082	35	24	500	1359	1223
165083	35	27	500	1922	1730
165084	36	25	550	1359	1223
165085	38	26	550	1877	1689
165086	40	27	600	1979	1781
165087	40	28	600	2216	1994
165088	40	30	650	2234	2011
165089	42	30	650	2246	2021
165090	43	28	700	2255	2030

Hex Key \ Valve Handle P97-P108

⑨ 166001-179025

166 Wrench, Hex Key



- ISO 2936
- Die forged
- To fasten or remove socket screws.

Number	S mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
166001	1.5	70	25	4	4
166002	2	70	25	4	4
166003	2.5	70	25	6	5
166004	3	70	25	8	7
166005	3.5	80	25	8	7
166006	4	80	30	9	8
166007	4.5	80	30	13	12
166008	5	80	32	15	14
166009	5.5	90	32	21	19
166010	6	90	36	25	23
166011	6.5	90	36	29	26
166012	7	90	43	35	32
166013	7.5	100	43	43	39
166014	8	100	44	46	41
166015	8.5	100	44	48	43

166 Wrench, Hex Key



Number	S mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
166016	9	110	44	60	54
166017	9.5	110	44	80	72
166018	10	110	45	85	77
166019	10.5	120	48	105	95
166020	11	120	48	110	99
166021	11.5	130	52	138	124
166022	12	130	52	146	131
166023	13	140	54	168	151
166024	14	150	58	208	187
166025	15	155	60	243	219
166026	16	160	63	295	266
166027	17	165	65	344	310
166028	18	170	69	407	366
166029	19	175	72	465	419
166030	20	175	65	551	496

166 Wrench, Hex Key



- ISO 2936
- Die forged
- To fasten or remove socket screws.

Number	S mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
166031	21	180	74	585	527
166032	22	185	77	612	551
166033	23	185	79	805	725
166034	24	190	82	868	781
166035	25	200	84	957	861
166036	26	205	90	1010	909
166037	27	210	93	1300	1170
166038	28	220	95	1495	1346
166039	29	230	100	1536	1382
166040	30	240	105	1698	1528
166041	31	240	105	1953	1758
166042	32	265	116	2075	1868
166043	34	275	122	2636	2372
166044	35	275	122	2994	2695
166045	36	290	128	3010	2709

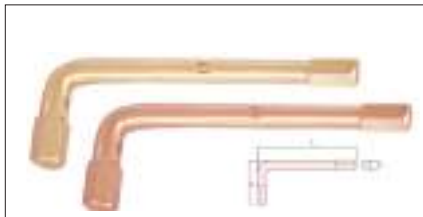
166 Wrench, Hex Key



Number	S mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
166046	37	290	128	3099	2789
166047	38	305	133	3699	3329
166048	39	305	133	3731	3358
166049	40	320	140	4100	3690
166050	41	320	140	4220	3798
166051	46	330	140	4951	4456
166052	48	330	140	4971	4474
166053	50	335	145	5625	5063



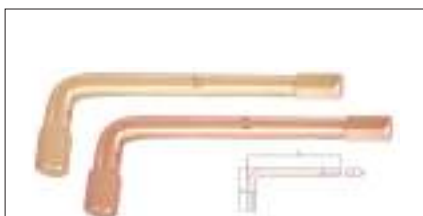
166 Wrench, Hex Key, Long Type



- ISO 2936
- Die forged
- To fasten or remove socket screws.

Number	S mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
166054	1.5	50	15	5	5
166055	2	55	18	6	5
166056	2.5	60	20	7	6
166057	3	70	23	9	8
166058	4	80	29	15	14
166059	5	90	33	20	18
166060	6	100	38	28	25
166061	7	110	41	40	36
166062	8	125	44	60	54
166063	9	140	47	85	77
166064	10	155	50	115	104
166065	11	165	53	150	135
166066	12	185	57	190	171
166067	13	205	63	235	212
166068	14	225	70	290	261

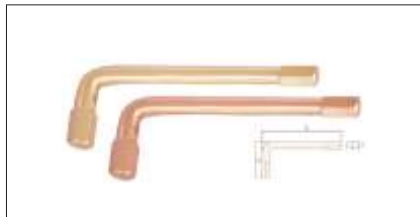
166 Wrench, Hex Key, Long Type



- ISO 2936
- Die forged
- To fasten or remove socket screws.

Number	S mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
166069	2	80	25	6	5
166070	3	90	25	10	9
166071	4	100	30	12	11
166072	5	110	32	20	18
166073	6	120	37	30	27
166074	7	130	43	44	40
166075	8	140	44	59	53
166076	9	155	44	75	68
166077	10	170	45	107	96
166078	12	185	52	182	164
166079	14	200	58	253	228
166080	17	215	65	431	388
166081	19	230	70	465	419

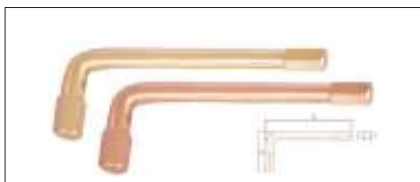
167 Wrench, Hex Key, Inch



- ISO 2936
- Die forged
- To fasten or remove socket screws.

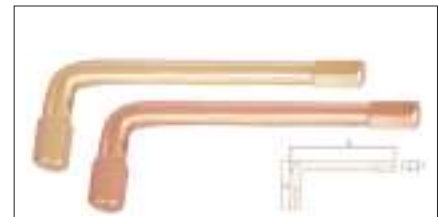
Number	S inch	L mm	H mm	Be-Cu (g)	Al-Cu (g)
167001	1/16	60	25	4	4
167002	5/64	60	25	4	4
167003	3/32	60	25	4	4
167004	7/64	60	25	6	5
167005	1/8	60	25	6	5
167006	9/64	65	30	6	5
167007	5/32	65	30	10	9
167008	3/16	80	31	10	9
167009	13/64	80	32	25	23
167010	7/32	85	37	30	27
167011	15/64	85	37	30	27
167012	1/4	85	37	30	27

167 Wrench, Hex Key, Inch



Number	S inch	L mm	H mm	Be-Cu (g)	Al-Cu (g)
167013	9/32	90	43	30	27
167014	5/16	90	44	40	36
167015	11/32	100	44	60	54
167016	3/8	110	45	80	72
167017	25/64	110	45	85	77
167018	13/32	110	45	88	79
167019	7/16	120	48	110	99
167020	15/32	130	52	149	134
167021	1/2	140	55	160	144
167022	9/16	150	58	210	189
167023	5/8	160	63	270	243
167024	11/16	170	65	350	315
167025	3/4	180	73	450	405
167026	13/16	185	77	570	513
167027	7/8	190	79	680	612
167028	15/16	195	82	850	765

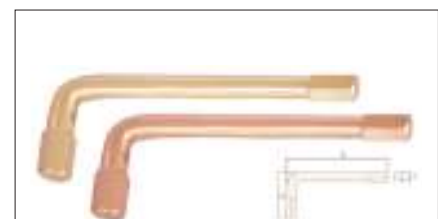
167 Wrench, Hex Key, Inch



- ISO 2936
- Die forged
- To fasten or remove socket screws.

Number	S inch	L mm	H mm	Be-Cu (g)	Al-Cu (g)
167029	1	200	85	1050	945
167030	1-1/32	205	90	1250	1125
167031	1-1/16	215	93	1250	1125
167032	1-1/8	225	105	1454	1309
167033	1-3/16	240	105	1490	1341
167034	1-1/4	260	116	2348	2113
167035	1-9/32	265	116	2684	2416
167036	1-5/16	280	122	2700	2430
167037	1-3/8	280	122	2740	2466
167038	1-7/16	295	128	3008	2707
167039	1-1/2	300	133	3628	3265
167040	1-9/16	320	140	4059	3653
167041	1-5/8	325	140	4325	3893
167042	1-3/4	325	140	4867	4380
167043	2	335	145	6095	5486
167044	2-1/16	345	150	6162	5546

167 Wrench, Hex Key, Inch



- ISO 2936
- Die forged
- To fasten or remove socket screws.

Number	S inch	L mm	H mm	Be-Cu (g)	Al-Cu (g)
167045	1/16	50	15	4.62	4
167046	1/8	70	23	9	8
167047	3/16	90	33	20	18
167048	1/4	100	38	28	25
167049	3/8	155	50	115	104
167050	7/16	170	53	150	135
167051	1/2	205	63	235	212
167052	9/16	225	70	290	261
167053	5/8	245	75	320	288

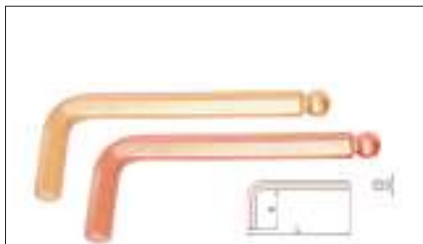
167 Wrench, Hex Key with Ball



- ISO 2936
- It is quicker to use than the conventional type, as the ball point provides a lead-in to screw heads.

Number	S mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
167054	1.5	50	16	2	2
167055	2	50	16	2	2
167056	3	60	20	5	5
167057	4	70	26	10	9
167058	5	80	28	10	9
167059	6	90	32	30	27
167060	7	95	34	40	36
167061	8	100	36	60	54
167062	9	105	38	80	72
167063	10	110	40	100	90
167064	11	120	42	110	99
167065	12	125	45	110	99

167 Wrench, Hex Key with Ball



- ISO 2936
- It is quicker to use than the conventional type, as the ball point provides a lead-in to screw heads.

Number	S mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
167066	1.5	50	15	5	5
167067	2	55	18	6	5
167068	2.5	60	20	7	6
167069	3	70	23	9	8
167070	4	80	29	15	14
167071	5	90	33	20	18
167072	6	100	38	28	25
167073	7	110	41	40	36
167074	8	125	44	60	54
167075	9	140	47	85	77
167076	10	155	50	115	104
167077	11	165	53	150	135
167078	12	185	57	190	171
167079	13	205	63	235	212
167080	14	225	70	290	261

167 Wrench, Hex Key with Ball, Inch



- ISO 2936
- It is quicker to use than the conventional type, as the ball point provides a lead-in to screw heads.

Number	S mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
167087	1.5	50	16	4	4
167088	2	50	16	4	4
167089	2.5	56	18	7	6
167090	3	63	20	7	6
167091	3.5	63	24	9	8
167092	4	70	26	12	11
167093	5	80	28	15	14
167094	5.5	90	32	18	16
167095	6	90	32	34	31
167096	7	95	34	45	41
167097	8	100	36	64	58
167098	9	106	38	85	77
167099	10	112	40	107	96
167100	11	118	42	135	122
167101	12	125	45	135	122
167102	13	140	45	221	199
167103	14	150	45	267	240
167104	15	152	63	319	287
167105	16	164	63	362	326
167106	17	168	63	430	387
167107	18	182	71	516	464
167108	20	183	76	584	526
167109	21	184	77	590	531

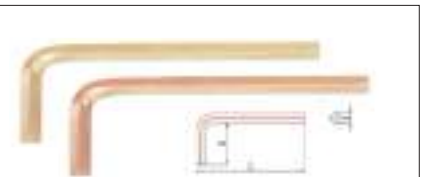
167 Wrench, Hex Key with Ball, Inch



- ISO 2936
- It is quicker to use than the conventional type, as the ball point provides a lead-in to screw heads.

Number	S inch	L mm	H mm	Be-Cu g	Al-Cu g
167081	3/32	55	18	3	3
167082	1/8	65	20	5	5
167083	5/32	70	25	10	9
167084	3/16	80	28	18	16
167085	1/4	90	32	34	31
167086	5/16	100	36	56	51

167 Wrench, Hex Key



- ISO 2936
- Used to fasten or remove socket screws

Number	S mm	L mm	H mm	Be-Cu g	Al-Cu g
167110	1.5	50	16	3	3
167111	2	55	16	3	3
167112	2.5	60	20	3	3
167113	3	65	20	3	3
167114	4	70	25	10	9
167115	5	75	28	20	18
167116	6	80	32	30	27
167117	7	85	34	40	36
167118	8	90	36	60	54
167119	9	100	38	80	72
167120	10	110	40	110	99
167121	11	120	42	130	117
167122	12	130	45	170	153
167123	13	140	60	226	203
167124	14	150	66	271	244
167125	15	160	72	349	314
167126	16	170	72	364	328
167127	17	180	72	438	394
167128	18	190	76	508	457
167129	19	200	76	619	557
167130	22	210	76	959	863

167 Wrench, Hex Key



- ISO 2936
- Used to fasten or remove socket screws

Number	S mm	L mm	H mm	Be-Cu g	Al-Cu g
167131	1.5	50	15	5	5
167132	2	55	18	6	5
167133	2.5	60	20	7	6
167134	3	70	23	9	8
167135	4	80	29	15	14
167136	5	90	33	20	18
167137	6	100	38	28	25
167138	7	110	41	40	36
167139	8	125	44	60	54
167140	9	140	47	85	77
167141	10	155	50	115	104
167142	11	165	53	150	135
167143	12	185	57	190	171
167144	13	205	63	235	212
167145	14	225	70	290	261

167 Wrench, T Type Hex Key

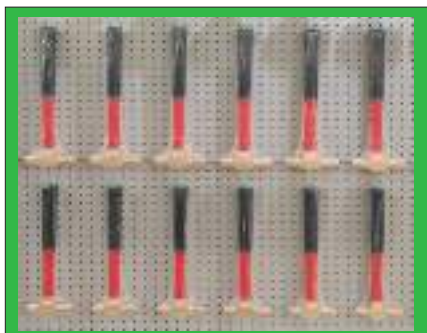
- Q/ZBF-167C
- Used to fasten or remove socket screws.

Number	S mm	L mm	H mm	Be-Cu g	Al-Cu g
167146	2	90	100	51	46
167147	2.5	90	100	51	46
167148	3	90	100	51	46
167149	4	90	100	71	64
167150	5	90	100	102	92
167151	6	90	100	102	92
167152	7	90	100	102	92
167153	8	90	100	102	92
167154	9	90	100	142	128
167155	10	90	100	145	131
167156	12	90	100	201	181
167157	14	90	100	270	243
167158	17	90	100	372	335

167 Wrench, T Type Hex Key, Inch

- Q/ZBF-167C
- Used to fasten or remove socket screws.

Number	S inch	L mm	H mm	Be-Cu g	Al-Cu g
167159	5/32	90	100	72	65
167160	3/16	90	100	86	77
167161	1/4	90	100	104	94
167162	3/8	90	100	151	136
167163	1/2	90	100	206	185
167164	9/16	90	100	275	248



167 Wrench, T Type Hex Key, Long Type

- Q/ZBF-167C
- Used to fasten or remove socket screws.

Number	S mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
167165	3	90	200	139	126
167166	4	90	200	153	139
167167	6	90	200	211	192

167 Wrench, Square Key

- Q/ZBF-167D
- Die forged
- Used to fasten or remove square socket screws

Number	S mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
167168	3	55	24	10	9
167169	4	65	29	12	11
167170	5	75	31	16	14
167171	6	80	36	28	25
167172	7	85	43	37	33
167173	8	90	44	52	47
167174	9	95	44	61	55
167175	10	110	45	102	92
167176	11	120	48	122	110
167177	12	130	52	163	147
167178	13	140	54	224	202
167179	14	150	58	224	202
167180	15	155	60	326	293
167181	16	160	63	336	302
167182	17	165	65	418	376
167183	18	170	69	489	440
167184	19	175	72	571	514
167185	21	180	77	688	619
167186	22	185	78	785	707
167187	23	190	81	896	806
167188	24	195	81	999	899
167189	25	200	89	1122	1010

167 Trox Key Wrench

- Q/ZBF-167E
- Die forged

- The cross section resembles a star.
- Used to fasten or remove star hexagon socket screws

Number	Size	L mm	H mm	Be-Cu (g)	Al-Cu (g)
167190	T6	45	16	3	3
167191	T7	50	16	4	4
167192	T8	55	16	4	4
167193	T9	60	16	4	4
167194	T10	65	17	4	4
167195	T15	70	18	7	6
167196	T20	75	20	8	7
167197	T25	80	20	10	9
167198	T27	85	21	10	9
167199	T30	90	24	20	18
167200	T40	95	26	30	27
167201	T45	100	29	50	45
167202	T50	105	32	60	54
167203	T55	110	35	130	117
167204	T60	115	38	190	171

168 Valve Wrench, C Type

- Q/ZBF-168
- Die forged
- Facilitate fitting and removal of radiator valves

Number	K mm	L mm	Be-Cu (g)	Al-Cu (g)
168001	15	150	158	142
168002	30	200	438	394
168003	30	250	623	561
168004	30	300	695	626
168005	35	350	985	887
168006	40	400	1100	990
168007	40	450	1305	1175
168008	40	500	1327	1194
168009	45	500	1458	1312
168010	45	550	1537	1383
168011	45	600	1704	1534

168 Valve Wrench, C Type



- Q/ZBF-168
- Die forged
- Facilitate fitting and removal of radiator valves

Number	K mm	L mm	Be-Cu (g)	Al-Cu (g)
168012	30	250	512	461
168013	30	300	583	525
168014	40	400	968	871
168015	40	500	1158	1042

169 Valve Wrench, Double C Type



- Q/ZBF-169
- Die forged
- Facilitate fitting and removal of radiator valves.

Number	K1 mm	K2 mm	L mm	Be-Cu (g)	Al-Cu (g)
169001	10	12	100	106	95
169002	10	16	150	269	242
169003	14.5	18.5	200	397	357
169004	17.5	25.5	250	612	551
169005	20	28	300	1176	1058
169006	20	28	350	1250	1125
169007	23	33	400	1566	1409
169008	25.5	34	450	2448	2203

170 Valve Wrench, C Type



- Q/ZBF-170
- Die forged
- Facilitate fitting and removal of radiator valves.

Number	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
170001	32	600	4243	3819
170002	35	700	4889	4400

170 Valve Spanner(U Type)



- Q/ZBF-170A
- Precision Casting
- Tighten or loosen valves, bolts.

Number	K mm	L mm	Be-Cu (g)	Al-Cu (g)
170003	25	195	251	226
170004	20	235	265	239
170005	25	240	260	234
170006	27	250	663	597
170007	30	230	580	522
170008	30	280	846	761
170009	35	335	1040	936
170010	35	400	1632	1469

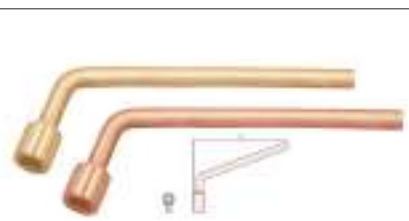
170 Valve Spanner(U Type)



- Q/ZBF-170B
- Precision Casting
- Tighten or loosen valves, bolts.

Number	K mm	L mm	Be-Cu (g)	Al-Cu (g)
170011	20	225	418	376

171 Oxygen Bottle Wrench



- Q/ZBF-171
- Die forged
- Used to open or close valves of the oxygen bottle.

Number	C mm	L mm	Be-Cu (g)	Al-Cu (g)
171001	7	155	202	182
171002	7.5	155	202	182
171003	8	155	204	184
171004	10	155	215	194
171005	10	200	261	235

171 Wrench, Acetylene Cylinder



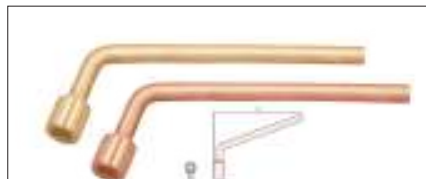
Number	C mm	H mm	L mm	Be-Cu (g)	Al-Cu (g)
171006	8	70	110	122	110
171007	9	70	110	132	119
171008	10	70	110	132	119

171 Wrench, Trigeminal



Number	S mm	A mm	Be-Cu (g)	Al-Cu (g)
171009	6*8*10	135	294	265
171010	8*9*10	135	378	340
171011	8*10*12	135	380	342
171012	9*11*13	135	386	347
171013	10*12*14	135	418	376
171014	11*13*15	135	492	443
171015	12*14*16	135	520	468
171016	12*14*17	135	543	489
171017	13*16*18	135	555	500
171018	13*17*19	135	546	491
171019	14*17*19	135	545	491
171020	15*17*19	135	543	489
171021	17*19*22	135	784	706

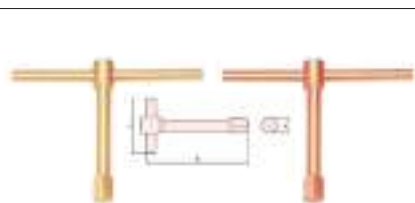
171 Oxygen Bottle Wrench, Inch



- Q/ZBF-171
- Die forged
- Used to open or close valves of the oxygen bottle.

Number	C inch	L mm	Be-Cu (g)	Al-Cu (g)
171022	1/4	155	185	167
171023	5/16	155	200	180
171024	3/8	155	204	184

172 Wrench, T-type Sliding Hex



- Q/ZBF-172 ● Die forged
- Fasten or remove socket head cap screws in deep concavity space or matched with socket.

Number	S mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
172001	3	100	80	52	47
172002	4	100	80	54	49
172003	10	150	110	224	202
172004	12	170	130	316	284
172005	14	170	140	408	367
172006	17	190	150	527	474
172007	19	220	160	683	615
172008	22	240	170	703	633
172009	24	260	180	1009	908
172010	27	260	190	1122	1010
172011	30	280	200	1377	1239
172012	32	280	210	1594	1435
172013	36	300	216	1918	1726
172014	41	300	226	2193	1974

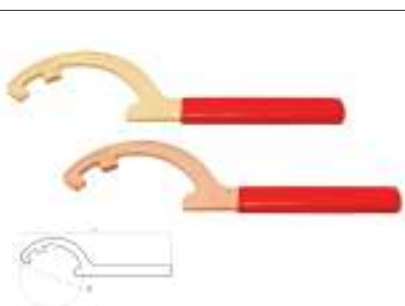
173 Wrench, Hook



- DIN 1810
- Die forged
- Designed to tighten or loosen round head screws, threaded collars and retainer rings, shafts etc.

Number	D mm	L mm	Be-Cu (g)	Al-Cu (g)
173001	12-14	110	27	24
173002	16-20	110	27	24
173003	25-28	135	55	50
173004	30-32	140	55	50
173005	34-36	170	83	75
173006	40-42	175	104	94
173007	45-50	210	153	138
173008	52-55	215	156	140
173009	58-62	245	240	216
173010	68-75	250	232	209
173011	80-90	285	372	335
173012	90-100	285	342	308
173013	95-100	290	342	308
173014	110-115	335	689	620
173015	120-130	345	730	657
173016	135-145	390	1116	1004
173017	155-165	390	1238	1114
173018	165-170	430	1599	1439

173 Wrench, Hook



- Q/ZBF-173A
- Die forged
- Designed to tighten or loosen round head screws, threaded collars and retainer rings, shafts etc.

Number	D mm	L mm	Be-Cu (g)	Al-Cu (g)
173019	118	280	331	298

173 Wrench, Adjustable Hook



- Q/ZBF-173B ● Die forged
- The adjustable hook applied to many sizes avoids changing frequently, easy to use.

Number	D mm	L mm	Be-Cu (g)	Al-Cu (g)
173020	19-50	160	120	108
173021	32-75	205	266	239
173022	60-90	250	347	312
173023	50-120	290	489	440
173024	115-170	310	612	551
173025	150-230	430	1168	1051

173 Hook Wrench With Pin



- Q/ZBF-173B
- Die forged
- The adjustable hook applied to many sizes avoids changing frequently, easy to use.

Number	D mm	L mm	Be-Cu (g)	Al-Cu (g)
173026	30-32	135	52	47
173027	34-36	170	100	90
173028	40-42	170	107	96
173029	45-50	205	184	166
173030	52-55	205	184	166

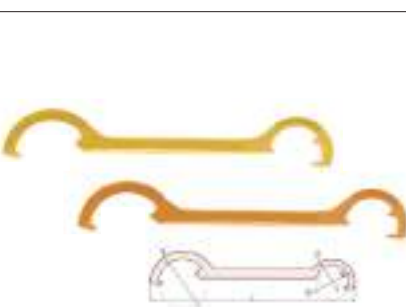
173 Hook Wrench With Pin



- Q/ZBF-173B
- Die forged
- The adjustable hook applied to many sizes avoids changing frequently, easy to use.

Number	D mm	L mm	Be-Cu (g)	Al-Cu (g)
173031	58-62	245	251	226
173032	68-75	245	282	254
173033	80-90	280	397	357
173034	95-100	280	379	341
173035	110-115	335	757	681
173036	205-220	465	2365	2129

173 Wrench, Hook, Double End



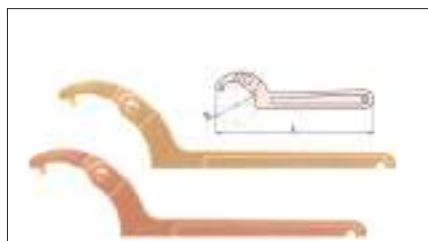
Number	D mm	L mm	Be-Cu (g)	Al-Cu (g)
173037	110-75-52	455	693	630

173 Wrench, Hook, Double Pin



Number	A mm	L mm	d mm	Be-Cu (g)	Al-Cu (g)
173038	35	180	5	120	110

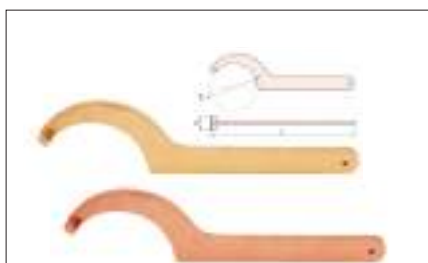
173 Wrench, Hook With Pin, Adjustable



- Q/ZBF-173B ● Die forged
- The adjustable hook applied to many sizes avoids changing frequently, easy to use.

Number	D mm	L mm	Be-Cu (g)	Al-Cu (g)
173039	50-120	288	450	410

173 Wrench, Hook



- Q/ZBF-173C
- Die forged
- The adjustable hook applied to many sizes avoids changing frequently, easy to use.

Number	D mm	L mm	Be-Cu (g)	Al-Cu (g)
173040	110-115	340	900	815

174 Valve Handle



- QB/T2613.9
- Precision Casting
- Tighten or loosen valves, bolts.
- F type, widely used

Number	S mm	L mm	H mm	D mm	Be-Cu (g)	Al-Cu (g)
174001	20	200	44	14	219	197
174002	30	200	44	14	356	320
174003	35	250	49	14	414	373
174004	40	300	50	15	526	473
174005	45	350	61	16	721	649
174006	48	375	61	17	869	782
174007	50	400	67	17	979	881
174008	55	450	73	18	1169	1052
174009	60	500	79	19	1469	1322

174 Valve Handle



- QB/T2613.9
- Precision Casting
- Tighten or loosen valves, bolts.
- F type, widely used

Number	S mm	L mm	H mm	D mm	Be-Cu (g)	Al-Cu (g)
174010						
174011	65	550	80	20	1713	1542
174012	70	600	80	20	1865	1679
174013	75	650	85	20	2421	2179
174014	80	700	91	21	2439	2195
174015	85	750	97	22	3299	2969
174016	90	800	103	23	3315	2984
174017	95	850	107	23	3730	3357
174018	95	900	110	24	3828	3445
174019	100	1000	114	24	4368	3931
174020	105	1200	120	27	6648	5983
174021	105	1300	120	27	7140	6426
174022	120	1600	140	28	8685	7817

174 Valve Handle



- QB/T2613.9
- Precision Casting
- Circular head and thick jaws increased the contact area with the valves.
- Easy to use.

Number	S mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
174023	25	150	42	178	160
174024	30	200	46	310	279
174025	35	250	52	400	360
174026	40	300	54	470	423
174027	45	350	60	650	585
174028	50	375	64	731	658
174029	30	400	60	664	598
174030	50	400	68	800	720
174031	55	450	74	902	812
174032	60	500	80	1260	1134
174033	65	550	83	1510	1359
174034	70	600	88	1520	1368
174035	75	650	93	2035	1832

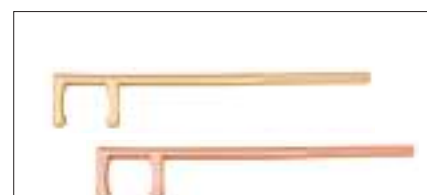
174 Valve Handle



- QB/T2613.9
- Precision Casting
- Circular head and thick jaws increased the contact area with the valves.
- Easy to use.

Number	S mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
174036	80	700	99	2250	2025
174037	85	750	100	2360	2124
174038	90	800	107	3100	2790
174039	95	850	110	3207	2886
174040	95	900	112	3485	3137
174041	100	1000	117	3960	3564
174042	105	1200	120	5599	5039
174043	125	1500	140	8306	7475

174 Valve Handle



- QB/T2613.9
- Precision Casting
- Circular head and thick jaws increased the contact area with the valves. Easy to use.

Number	S mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
174044	30	200	46	312	281
174045	35	250	52	408	367
174046	40	300	54	533	480
174047	45	350	60	661	595
174048	50	375	65	687	618
174049	50	400	68	852	767
174050	55	450	74	963	867
174051	60	500	80	1350	1215
174052	65	550	83	1435	1292
174053	70	600	88	1660	1494
174054	75	650	94	1830	1647
174055	80	700	100	2340	2106
174056	85	750	100	2380	2142
174057	90	800	107	3076	2768
174058	95	850	110	3140	2826
174059	95	900	112	3408	3067
174060	100	1000	117	3896	3506
174061	100	1200	115	4701	4231

174 Valve Handle



- QB/T2613.9
- Precision Casting
- Circular head and thick jaws increased the contact area with the valves.
- Easy to use.

Number	S mm	L mm	H mm	D mm	Be-Cu (g)	Al-Cu (g)
174062	35	250	40	13	545	491
174063	40	300	50	15	591	532
174064	45	375	61	17	911	820
174065	50	400	67	17	1093	984
174066	55	450	73	18	1276	1148
174067	60	500	79	19	1589	1430
174068	65	550	80	20	1855	1670
174069	70	600	80	20	1938	1744
174070	75	650	94	22	2225	2003

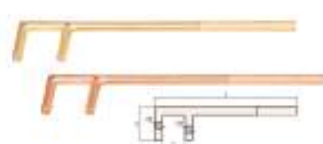
175 Valve Handle, A Type



- QB/T2613.9
- Precision Casting
- Circular head and thick jaws increased the contact area with the valves.
- Easy to use.

Number	S mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
175001	20	150	47	262	236
175002	25	200	50	420	378
175003	30	250	53	481	433
175004	35	300	56	805	725
175005	40	350	60	901	811
175006	45	400	64	1129	1016
175007	50	450	69	1453	1308
175008	55	500	74	1710	1539
175009	60	550	79	2216	1994
175010	65	600	84	2337	2103
175011	75	700	95	3143	2829
175012	80	750	98	3399	3059
175013	85	800	110	3667	3300
175014	100	1000	115	5128	4615
175015	120	1200	128	6999	6299

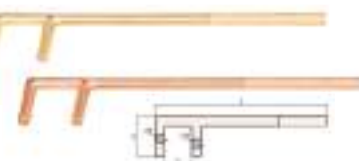
176 Valve Handle



- QB/T2613.9
- Precision Casting
- Circular head and thick jaws increased the contact area with the valves. Easy to use

Number	S mm	L mm	H mm	d mm	Be-Cu (g)	Al-Cu (g)
176001	20	100	33	8	73	66
176002	15	150	29	8	103	93
176003	25	150	40	10	166	149
176004	15	200	25	10	174	157
176005	20	200	55	13	365	329
176006	30	200	44	13	294	265
176007	30	250	45	13	401	361
176008	35	250	47	13	380	342
176009	35	300	50	15	510	459
176010	40	300	50	14	494	445
176011	45	350	58	15	679	611
176012	50	375	62	15	732	659
176013	40	400	67	15	812	731
176014	50	400	67	15	1011	910

176 Valve Handle



Number	S mm	L mm	H mm	d mm	Be-Cu (g)	Al-Cu (g)
176015	65	400	80	16	985	887
176016	45	450	60	16	1052	947
176017	55	450	73	16	1073	966
176018	50	500	35	12	1168	1051
176019	60	500	79	17	1286	1157
176020	55	550	73	16	1253	1128
176021	65	550	82	18	1571	1414
176022	70	600	85	18	1610	1449
176023	75	650	88	18	1930	1737
176024	80	700	91	19	2131	1918
176025	85	750	97	20	2650	2385
176026	90	800	103	20	2767	2490
176027	92	850	106	20	2810	2529
176028	95	900	110	21	3376	3038
176029	100	1000	115	21	3984	3586
176030	105	1200	122	24	5439	4895
176031	120	1500	140	25	7832	7049

176 Valve Spanner



- Q/ZBF-176A
- Precision Casting
- Used to provide leverage on hand-operated valve wheels.

Number	K mm	L mm	Be-Cu (g)	Al-Cu (g)
176032	40	355	1020	918

176 Valve Spanner



- Q/ZBF-176B
- Precision Casting
- Used to provide leverage on hand-operated valve wheels

Number	B mm	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
176033	60	36	370	714	643
176034	80	48	430	1356	1220
176035	100	62	550	2410	2169
176036	60	36	800	3663	3297

176 Valve Spanner



- Q/ZBF-176C
- Precision Casting
- Used to provide leverage on hand-operated valve wheels.

Number	B mm	R mm	L mm	Be-Cu (g)	Al-Cu (g)
176037	30	15	250	367	330
176038	40	20	300	550	495
176039	50	25	400	1040	936
176040	60	30	550	1836	1652
176041	130	65	750	4743	4269

176 Valve Spanner



- Q/ZBF-176C
- Precision Casting
- Used to provide leverage on hand-operated valve wheels.

Number	Size mm	R mm	L mm	Be-Cu (g)	Al-Cu (g)
176042	12.5-18.8	10	240	176	158
176043	25-80	15	250	245	221
176044	50-150	18	325	700	630
176045	125-250	19	445	963	867
176046	250-400	19	555	1647	1482
176047	350-900	20	765	2232	2009

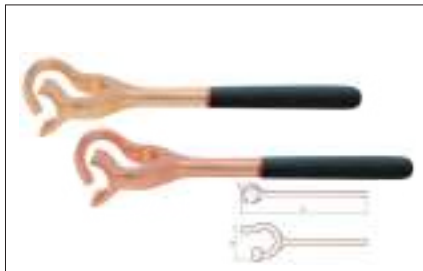
176 Valve Spanner



- Q/ZBF-176C
- Precision Casting
- Used to provide leverage on hand-operated valve wheels.

Number	C mm	B mm	L mm	Be-Cu (g)	Al-Cu (g)
176048	32	55	215	462	416
176049	36	55	290	787	708
176050	48	80	400	1018	916
176051	60	100	490	1524	1372
176052	60	110	800	3636	3272

176 Valve Spanner



- Q/ZBF-176C
- Precision Casting
- Used to provide leverage on hand-operated valve wheels.

Number	C mm	B mm	L mm	Be-Cu (g)	Al-Cu (g)
176053	24	55	215	330	297

176 Valve Spanner



- Q/ZBF-176D
- Precision Casting
- Used to provide leverage on hand-operated valve wheels.

Number	B mm	R mm	L mm	Be-Cu (g)	Al-Cu (g)
176054	50	22.5	290	897	807
176055	60	35.5	430	1603	1443
176056	80	40	520	2345	2606
176057	90	45	660	3399	3777

176 Valve Spanner



- Q/ZBF-176E
- Precision Casting
- Used to provide leverage on hand-operated valve wheels

Number	S mm	H mm	L mm	Be-Cu (g)	Al-Cu (g)
176058	30	53	200	389	350
176059	40	50	300	571	514
176060	50	80	400	982	884
176061	50	70	450	1050	945
176062	55	74	450	1192	1073
176063	70	80	600	1990	1791
176064	90	100	800	2927	2634

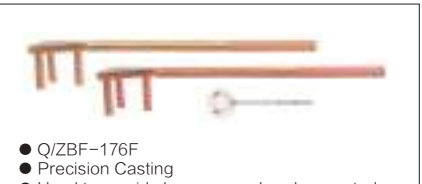
176 Valve Spanner



- Q/ZBF-176F
- Precision Casting
- Used to provide leverage on hand-operated valve wheels

Number	A mm	L mm	Be-Cu (g)	Al-Cu (g)
176065	25	200	244	220
176066	35	250	377	339
176067	45	300	530	477
176068	60	350	754	679
176069	75	400	1142	1028
176070	90	450	1305	1175
176071	110	500	1864	1678
176072	130	550	2335	2102

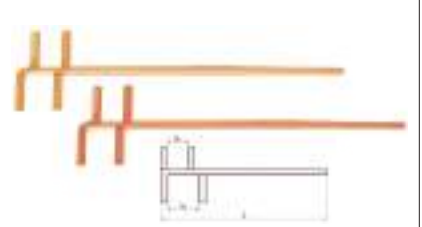
176 Valve Spanner, Long Type



- Q/ZBF-176F
- Precision Casting
- Used to provide leverage on hand-operated valve wheels

Number	A mm	L mm	Be-Cu (g)	Al-Cu (g)
176073	55	400	1060	954
176074	70	600	1635	1472
176075	80	700	2595	2336

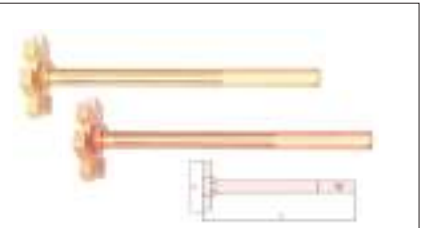
176 Valve Spanner



- Q/ZBF-176F
- Precision Casting
- Used to provide leverage on hand-operated valve wheels

Number	S1 mm	S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
176076	30	45	350	854	776
176077	30	40	500	1030	937

177 Wrench, Bung



- Q/ZBF-177
- Precision Casting
- Used to provide leverage on hand-operated valve wheels

Number	L mm	H mm	Be-Cu (g)	Al-Cu (g)
177001	300	70	773	696
177002	400	70	990	891



178 Wrench, Bung



- QB/T2613.4
- Precision Casting
- Commonly used to open bungs on large oil drums.

Number	L mm	H1 mm	H2 mm	Be-Cu (g)	Al-Cu (g)
178001	350	36	95	1181	1063

179 Wrench, Bung



- Q/ZBF-179
- Precision Casting
- Commonly used to open bungs on large oil drums, American type. multiple uses.

Number	L mm	H1 mm	H2 mm	Be-Cu (g)	Al-Cu (g)
179001	385	93	61	1254	1129

179 Wrench, Bung



- Q/ZBF-179A
- Precision Casting
- Commonly used to open bungs on large oil drums, European. multiple uses.

Number	L mm	S1 mm	S2 mm	Be-Cu (g)	Al-Cu (g)
179002	300	38	52	809	728

179 Wrench, Bung



- Q/ZBF-179B
- Precision Casting
- Commonly used to open bungs on large oil drums, Japanese type. multiple uses.

Number	C mm	L mm	K1 mm	K2 mm	Be-Cu (g)	Al-Cu (g)
179003	19	520	40	73	1235	1122

179 Drum Opener



- Q/ZBF-179C
- Die forged
- Used for opening oil drum

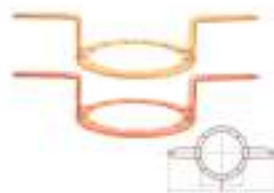
Number	L mm	Be-Cu (g)	Al-Cu (g)
179004	520	3126	2813

179 Drum Wrench



Number	D mm	L mm	Be-Cu (g)	Al-Cu (g)
179005	175	500	1581	1423
179006	250	500	2223	2001

179 Drum Wrench



Number	D mm	L mm	Be-Cu (g)	Al-Cu (g)
179007	175	435	1650	1500
179008	250	550	2000	1800

179 Pointed Knife, Square Bung



Number	K mm	H mm	Be-Cu (g)	Al-Cu (g)
179009	125	200	1203	1083

179 Gas Joint Wrench



Number	L mm	Be-Cu (g)	Al-Cu (g)
179010	75	62	56

179 Pressure Transmitter Cap Opener



- Pressure transmitter open cover.

Number	D mm	L mm	Be-Cu (g)	Al-Cu (g)
179011	85	355	683	615

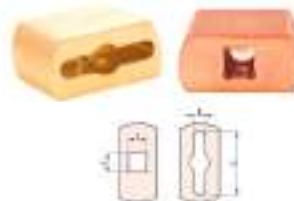
179 Temperature Transmitter Cap Opener



- Open cover for temperature transmitter.

Number	D mm	L mm	Be-Cu (g)	Al-Cu (g)
179012	110	390	1009	908

179 Long Trough Opener, Adaptor



Number	C Inch	K mm	C mm	Be-Cu (g)	Al-Cu (g)
179013	1/2	8	45	396	356

179 Opener, Four-Claw



Number	C Inch	d mm	D mm	Be-Cu (g)	Al-Cu (g)
179014	3/8	28	46	275	250

179 Opener, Rectangle



Number	C Inch	K mm	D mm	Be-Cu (g)	Al-Cu (g)
179015	1/2	10	47	396	360

179 Drum Socket Round Head Plug



Number	C inch	D mm	K mm	Be-Cu (g)	Al-Cu (g)
179016	3/8	19	8	135	120

179 Durm Socket Hex Head Plug



Number	C inch	S mm	D mm	Be-Cu (g)	Al-Cu (g)
179017	3/8	38	19	380	350

179 Drum Socket Round Head



Number	C inch	D mm	K mm	Be-Cu (g)	Al-Cu (g)
179018	1/2	19	8	340	310

179 Opener, Rectangle



Number	K mm	C mm	L mm	Be-Cu (g)	Al-Cu (g)
179019	20	87	400	1595	1450

179 Nut Opener, With hole



Number	K mm	D mm	L mm	Be-Cu (g)	Al-Cu (g)
179020	18	65	400	1595	1450

179 Drum Opener



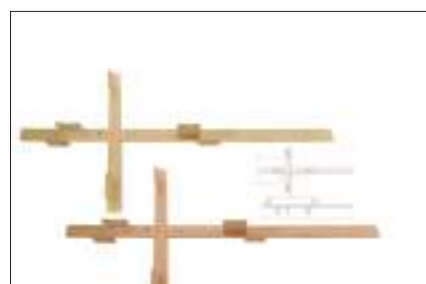
Number	K mm	L mm	Be-Cu (g)	Al-Cu (g)
179021	50	145	500	450

179 Opener, Six-Claw



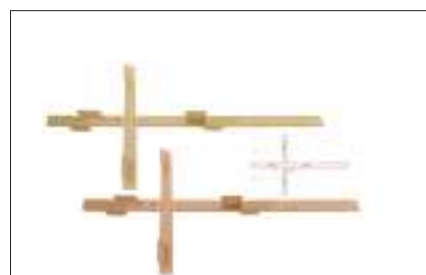
Number	C1 mm	C2 mm	L mm	Be-Cu (g)	Al-Cu (g)
179022	90	75	400	600	550

179 Cross Opener, Six-Claw



Number	L mm	A mm	C mm	Be-Cu (g)	Al-Cu (g)
179023	550	167	243	1470	1325

179 Cross Opener, Eight-Claw



Number	L mm	A mm	C mm	Be-Cu (g)	Al-Cu (g)
179024	550	172	254	2050	1850

179 Opener For 1 Litre



Number	L mm	h mm	Be-Cu (g)	Al-Cu (g)
179025	145	1.5	150	140

Ratchet Wrench P109-P112

10 180001-183058

180 Ratchet Wrench



- Q/ZBF-180 ● Die forged
- Reversing the direction of operation in situ without detaching the sockets. It has built in mechanisms for both right and left operation.
- The ratchets have replaceable gear-pawl assembly.

Number	S mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
180001	10	260	44	381	347
180002	12	260	44	360	327
180003	13	260	44	352	320
180004	17	270	47	505	451
180005	18	270	47	514	467
180006	19	270	47	506	381
180007	20	270	47	485	441
180008	21	270	50	572	520
180009	22	270	50	472	422
180010	23	280	53	693	630
180011	24	280	53	582	509
180012	25	280	53	555	505

180 Ratchet Wrench



Number	S mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
180013	26	290	56	696	633
180014	27	290	56	666	585
180015	28	290	56	630	593
180016	30	310	58	838	746
180017	32	310	60	811	733
180018	34	320	65	1215	1105
180019	35	320	65	1195	1087
180020	36	320	65	1074	959
180021	38	330	65	1161	1037
180022	39	330	65	1219	1108
180023	41	330	70	1632	1373
180024	46	360	75	2000	1780
180025	48	540	78	2997	2725
180026	50	540	78	2876	2615
180027	55	570	83	3442	3129

180 Ratchet Wrench



- Q/ZBF-180B ● Die forged
- Hex wrench with retractable handle. Save effort. This design can achieve expected result.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
180028	22	400-650	1418	1289
180029	24	460-700	1659	1508
180030	27	500-750	1800	1636
180031	30	535-800	2200	2000
180032	32	540-800	2547	2315
180033	36	600-880	3280	2982
180034	41	600-900	3921	3565
180035	46	620-920	4297	3906
180036	48	600-900	4465	4055
180037	55	700-1000	4680	4255

180 Ratchet Wrench, Inch



- Q/ZBF-180 ● Die forged
- Reversing the direction of operation in situ without detaching the sockets. It has built in mechanisms for both right and left operation.
- The ratchets have replaceable gear-pawl assembly.

Number	S inch	L mm	H mm	Be-Cu (g)	Al-Cu (g)
180038	3/8	260	40	381	347
180039	1/2	260	44	378	344
180040	7/8	270	50	570	518

180 Ratchet Wrench



- Q/ZBF180A ● Die forged
- Reversing the direction of operation in situ without detaching the sockets. It has built in mechanisms for both right and left operation.
- The ratchets have replaceable gear-pawl assembly.

Number	S1 mm	S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
180041	8	10	260	360	327
180042	10	12	260	360	327
180043	12	14	260	355	323
180044	13	17	280	427	389

180 Ratchet Wrench



- Q/ZBF180A ● Die forged
- Reversing the direction of operation in situ without detaching the sockets. It has built in mechanisms for both right and left operation.
- The ratchets have replaceable gear-pawl assembly.

Number	S1 mm	S2 mm	L mm	Be-Cu (g)	Al-Cu (g)
180045	14	17	280	454	390
180046	16	18	310	498	446
180047	17	19	310	502	403
180048	17	21	345	590	536
180049	17	22	345	590	541
180050	19	21	345	590	541
180051	19	22	345	596	520
180052	19	24	365	715	683
180053	21	22	345	580	525
180054	21	23	365	728	662
180055	22	24	365	695	617
180056	22	27	380	826	751
180057	24	24	365	710	646
180058	24	27	380	799	729
180059	27	27	380	826	751
180060	24	30	400	1016	924
180061	27	30	400	1041	908
180062	27	32	400	1000	940
180063	30	32	400	1021	911
180064	32	34	450	1510	1373
180065	32	36	450	1511	1327
180066	34	38	495	1860	1690
180067	36	38	495	1912	1738
180068	36	41	495	2010	1691
180069	38	41	490	1946	1769
180070	41	46	520	2385	2242
180071	46	50	540	2830	2573
180072	50	55	570	3361	3056
180073	55	60	590	3973	3612
180074	60	65	600	4430	3990
180075	60	70	610	4874	4431
180076	65	70	610	4900	4410

181 Ratchet Wrench



- Q/ZBF-181 ● Die forged
- Reversing the direction of operation in situ without detaching the sockets. It has built in mechanisms for both right and left operation. The ratchets have replaceable gear-pawl assembly.

Number	S mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
181001	13	270	32	474	431
181002	16	290	35	768	698
181003	17	290	35	783	699
181004	19	300	35	829	740
181005	21	320	38	1068	971
181006	22	320	38	1020	911

181 Ratchet Wrench



- Q/ZBF-181 ● Die forged
- Reversing the direction of operation in situ without detaching the sockets. It has built in mechanisms for both right and left operation. The ratchets have replaceable gear-pawl assembly.

Number	S mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
181007	24	330	39	1289	1151
181008	26	380	39	1553	1412
181009	27	380	39	1523	1360
181010	30	435	42	1939	1731
181011	32	435	42	1980	1768
181012	35	485	43	2580	2320
181013	36	485	43	2653	2369
181014	41	535	45	3078	2798
181015	46	560	48	3956	3596
181016	50	620	48	4800	4320
181017	58	620	50	5070	4610
181018	63	625	50	5059	4599

182 Ratchet Wrench, 6 Point



- Q/ZBF-182 ● Die forged
- Reversing the direction of operation in situ without detaching the sockets. It has built in mechanisms for both right and left operation.
- The ratchets have replaceable gear-pawl assembly.

Number	S mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
182001	12	220	32	601	546
182002	13	225	32	609	548
182003	15	230	35	739	672
182004	16	230	35	728	662
182005	17	240	35	698	623
182006	18	240	35	760	700
182007	19	240	35	747	667
182008	20	240	35	760	700
182009	21	270	38	921	822
182010	22	270	38	979	874
182011	23	270	38	1220	1115
182012	24	270	38	1205	1076
182013	26	290	39	1222	1091
182014	27	290	39	1226	1095
182015	30	315	42	1506	1345
182016	32	315	42	1637	1462
182017	34	340	43	1900	1710
182018	35	340	43	1813	1619
182019	36	340	43	1837	1640
182020	41	360	45	2178	1945
182021	46	380	48	2700	2430
182022	50	400	48	3250	2955
182023	55	420	48	3650	3285
182024	60	450	50	4037	3670
182025	65	450	50	3892	3539

183 Ratchet Wrench, 6 Point



- Q/ZBF-183 Die forged
- Reversing the direction of operation in situ without detaching the sockets. Heavy duty

Number	S mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
183001	17	250	28	8	672
183002	18	250	28	826	751
183003	19	250	28	1019	910
183004	20	250	30	1155	1050
183005	21	250	30	1110	991
183006	22	250	30	1174	1048
183007	24	250	32	1248	1114
183008	26	250	34	1304	1164
183009	27	250	34	1496	1336
183010	29	250	40	1992	1811
183011	30	250	40	1777	1587
183012	32	250	40	1990	1777
183013	35	250	45	2316	2068
183014	36	250	45	2331	2081
183015	41	250	45	2743	2494

183 Ratchet Wrench



- Q/ZBF-183A ● Die forged
- Reversing the direction of operation in situ without detaching the sockets. European type

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
183016	8	150	123	112
183017	9	150	110	101
183018	10	150	115	105
183019	11	150	108	98
183020	13	150	105	95
183021	14	205	218	194
183022	16	205	210	190
183023	17	205	208	176
183024	18	255	375	341
183025	19	255	365	336
183026	22	255	360	312
183027	24	305	601	523
183028	27	305	570	507

183 Ratchet Wrench



- Q/ZBF-183A ● Die forged
- Reversing the direction of operation in situ without detaching the sockets. European type

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
183029	30	400	901	789
183030	32	400	865	772
183031	35	470	1580	1436
183032	36	470	1487	1328
183033	40	470	1480	1350
183034	41	470	1379	1231
183035	46	550	2518	1793
183036	50	550	2502	2234
183037	55	630	3848	3437
183038	58	630	3829	3481
183039	60	630	3739	3338
183040	65	630	3739	3338

183 Ratchet Wrench, Inch



- Q/ZBF-183A ● Die forged
- Reversing the direction of operation in situ without detaching the sockets. European type

Number	S inch	L mm	Be-Cu (g)	Al-Cu (g)
183041	1/2	150	120	105
183042	9/16	205	215	195
183043	3/4	255	380	345
183044	7/8	255	380	345
183045	1	305	430	390
183046	1-1/2	470	1507	1370
183047	1-9/16	470	1507	1370
183048	1-3/4	550	2460	2236
183049	2	550	2460	2236
183050	2-3/16	630	3190	2900

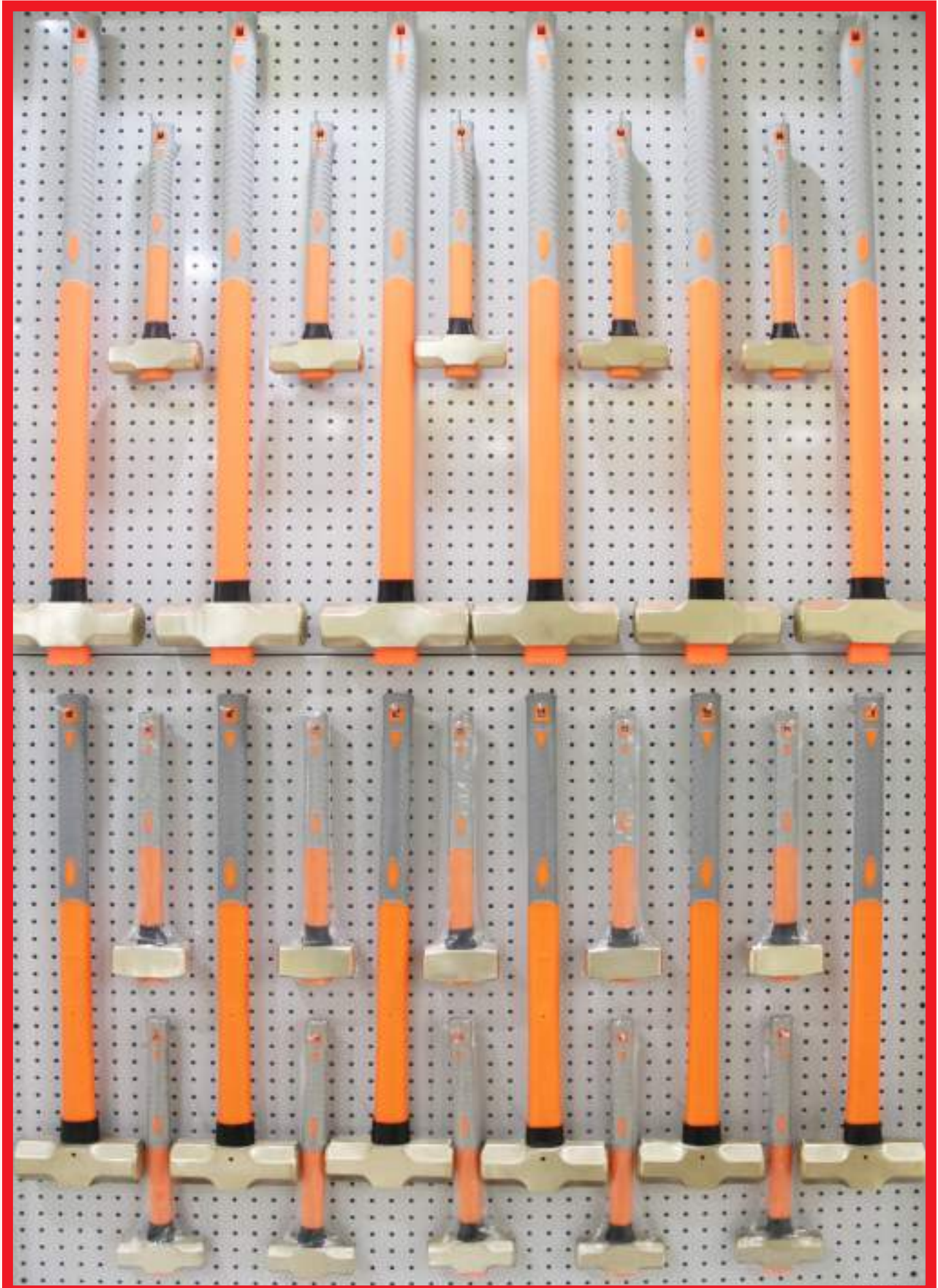
183 Ratchet Wrench with long handle (Europe Type)



- Ratchet structure, the use of friction principle, long handle easy to apply force.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
183051	46	650	2634	2352
183052	50	650	2606	2283
183053	55	780	3750	3400
183054	60	780	4166	3720

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
183055	65	850	5500	5000
183056	70	850	5500	5000
183057	75	935	7700	7000
183058	80	935	7700	7000





Hammer \ Shovel P113-P124

Safety Tools



Safety Tools



Hammer P113-P121

⑪ 184001-197004

184 Hammer, Bricklayers'



- Q/ZBF-184 ● Precision Casting.
- Used to striking the brick and tile.
- With Safety Pin

Number	H g	L mm	△ g
184001	230	290	385
184002	600	365	875
184003	800	400	1120
184004	1350	550	1893

184 Hammer, Bricklayers' With Wooden Handle



- Q/ZBF-184 ● Precision Casting.
- Used to striking the brick and tile.
- With Safety Pin

Number	H g	L mm	△ g
184005	230	280	300
184006	600	320	760
184007	800	320	960
184008	1350	360	1520

185 Hammer, Claw



- QB/T 1290.8 ● Precision Casting
- The claw hammer is frequently used to strike or remove nails
- With Safety Pin

Number	H g	L mm	△ g
185001	230	290	385
185002	250	290	405
185003	300	310	470
185004	340	310	510
185005	450	340	710
185006	500	340	760
185007	680	365	955
185008	910	400	1230

185 Carpenter's Hammer



- Q/ZBF-185A ● Precision Casting
- Frequently used to strike or remove nails.
- With Safety Pin

Number	H g	L mm	△ g
185009	500	340	760
185010	600	365	875

185 Carpenter's Hammer With Wooden Handle



- Q/ZBF-185A ● Precision Casting
- Frequently used to strike or remove nails.
- With Safety Pin

Number	H g	L mm	△ g
185011	500	310	630
185012	600	310	730

185 Hammer, Claw With Wooden Handle



- QB/T 1290.8 ● Precision Casting
- The claw hammer is frequently used to strike or remove nails
- With Safety Pin

Number	H g	L mm	△ g
185013	230	280	405
185014	250	280	390
185015	300	280	440
185016	340	280	480
185017	450	300	652
185018	500	300	700
185019	680	330	953
185020	910	375	1205

186 Hammer, Cross Pein Engineers'



- DIN 1041 ● Precision Casting
- Applied in metal shaping and flanging remove nails.
- With Safety Pin

Number	H g	L mm	△ g
186001	100	290	255
186002	150	290	300
186003	200	290	355
186004	230	290	385
186005	250	290	405
186006	300	310	470
186007	400	340	660
186008	500	340	760
186009	600	365	875
186010	680	365	955
186011	700	365	975
186012	720	365	995
186013	750	365	1025
186014	800	400	1120
186015	900	400	1220
186016	1000	430	1350
186017	1250	430	1600
186018	1300	550	1843
186019	1500	550	2043
186020	1800	550	2343
186021	2000	645	2787
186022	2500	645	3287
186023	3000	750	4070
186024	4000	855	5220
186025	5000	855	6220
186026	8000	1065	9440
186027	10000	1170	11610

186 Hammer, Cross Pein Engineers' Sleeved



- DIN 1041 ● Precision Casting
- Applied in metal shaping and flanging remove nails.
- With Safety Pin

Number	H g	L mm	△ g
186028	300	310	470
186029	400	340	660
186030	500	340	760
186031	800	400	1120
186032	1000	430	1350
186033	1500	550	2043
186034	1800	550	2343

186 Hammer, Cross Pein Engineers' With Wooden Handle



- DIN 1041 Precision Casting
- Applied in metal shaping and flanging
- With Safety Pin

Number	H g	L mm	△ g
186035	200	280	270
186036	300	280	370
186037	400	310	530
186038	500	310	630
186039	600	320	760
186040	800	320	960
186041	1000	320	1160
186042	1500	360	1670
186043	2000	380	2180
186044	3000	700	3560
186045	5000	800	5700

186 Hammer, Cross Pein Engineers' Sleeved With Wooden Handle



- DIN 1041 Precision Casting
- Applied in metal shaping and flanging
- With Safety Pin

Number	H g	L mm	△ g
186046	300	280	370
186047	400	310	530
186048	500	310	630
186049	600	320	760
186050	800	320	960
186051	1000	320	1160
186052	1500	360	1670



Sledge Hammer

186 Hammer Pointed With Wooden Handle



- Percussion tools for fitters, welders, assembly, maintenance, etc.

Number	H g	L mm	△ g
186053	1000	320	1160
186054	3000	700	3560

186 Hammer Pointed



- Percussion tools for fitters, welders, assembly, maintenance, etc.

Number	H g	L mm	△ g
186055	1000	400	1320
186056	3000	750	4070

187 Hammer, Ball Pein



- QB/T 2613.7 ● Precision Casting
- Most common striking tools. Used in metal working
- With Safety Pin

Number	H g	L mm	△ g
187001	100	290	250
187002	230	290	385
187003	340	310	510
187004	450	340	710
187005	500	340	760
187006	680	365	955
187007	750	365	1025
187008	800	365	1075
187009	910	400	1230
187010	950	400	1270
187011	1000	400	1320

187 Hammer, Ball Pein



- QB/T 2613.7 ● Precision Casting
- Most common striking tools. Used in metal working
- With Safety Pin

Number	H g	L mm	△ g
187012	1130	430	1480
187013	1200	430	1550
187014	1350	550	1890
187015	1400	550	1940
187016	1500	550	2040
187017	1800	550	2340
187018	2500	645	3290
187019	4500	855	5720

187 Hammer, Ball Pein, Sleeved



- QB/T 2613.7 ● Precision Casting
- Most common striking tools. Used in metal working
- With Safety Pin

Number	H g	L mm	△ g
187020	340	310	495
187021	450	340	690
187022	680	365	920
187023	910	400	1180
187024	1130	430	1480

187 Hammer, Ball Pein With Wooden Handle



- QB/T 2613.7 ● Precision Casting
- Hickory handle

Number	H g	L mm	△ g
187025	230	300	300
187026	340	300	410
187027	450	325	565
187028	680	365	865
187029	910	365	1095
187030	1130	400	1390
187031	1800	400	2060

187 Hammer, Ball Pein Sleeved With Wooden Handle



- QB/T 2613.7
- Precision Casting
- Hickory handle

Number	H g	L mm	△ g
187032	230	300	300
187033	340	300	410
187034	450	325	565
187035	680	365	865
187036	910	365	1095
187037	1130	400	1390

187 Hammer, Double Face



Number	H g	L mm	△ g
187038	450	340	710
187039	500	340	760

188 Hammer, Cutoff



- Q/ZBF-188
- Precision Casting
- Applied in metal shaping and flanging

Number	H g	L mm	△ g
188001	300	310	470
188002	340	310	510
188003	450	340	710
188004	500	340	760
188005	600	365	875
188006	650	365	925
188007	1000	400	1320
188008	1300	550	1845
188009	2000	645	2790
188010	3000	750	4070

188 Hammer, Cutoff With Wooden Handle



- Q/ZBF-188
- Precision Casting
- Applied in metal shaping and flanging

Number	H g	L mm	△ g
188011	300	300	370
188012	450	325	565
188013	600	365	785

189 Hammer, Pein



- Q/ZBF-189
- Precision Casting
- Applied in metal shaping and flanging.
- With Safety Pin

Number	H g	L mm	△ g
189001	100	290	255
189002	200	290	355
189003	250	290	405
189004	300	310	600
189005	380	310	640
189006	420	340	680
189007	450	340	710
189008	500	340	760
189009	680	365	955
189010	800	365	1120
189011	900	400	1250
189012	1000	400	1350
189013	1500	550	2043
189014	2200	645	2990

189 Hammer, Cutoff (Japan Type)



- Q/ZBF-189A
- Die forged
- Applied in metal shaping and flanging. Hickory handle.

Number	H g	L mm	△ g
189015	230	280	420
189016	380	330	500
189017	450	350	580

189 Hammer, Engineer's Cross Pein



- QB/T 1290.4
- Precision Casting
- Applied in metal shaping and flanging

Number	H g	L mm	△ g
189018	500	340	1150
189019	900	400	2000
189020	2000	645	4310

189 Hammer, Engineer's Cross Pein With Wooden Handle



- QB/T 1290.4
- Precision Casting
- Applied in metal shaping and flanging

Number	H g	L mm	△ g
189021	500	310	630
189022	900	320	1060
189023	2000	380	2180

190 Hammer, Scaling



- QB/T 1290.6
- Precision Casting
- Mainly used for cleaning rust, welding slag
- With Safety Pin

Number	H g	L mm	△ g
190001	100	290	255
190002	150	290	305
190003	200	290	355
190004	230	290	385
190005	250	290	405
190006	300	310	470
190007	340	310	510
190008	400	340	660

190 Hammer, Scaling



- QB/T 1290.6 ● Precision Casting
- Mainly used for cleaning rust, welding slag
- With Safety Pin

Number	H g	L mm	△ g
190009	450	340	710
190010	500	340	760
190011	600	365	875
190012	680	365	955
190013	700	365	975
190014	900	400	1220
190015	1100	430	1450
190016	1350	550	1895
190017	1500	550	2045

190 Hammer, Scaling With Wooden Handle



- QB/T 1290.6 ● Precision Casting
- Mainly used for cleaning rust, welding slag
- With Safety Pin

Number	H g	L mm	△ g
190018	100	280	165
190019	150	280	215
190020	200	280	265
190021	230	300	300
190022	250	300	320
190023	300	300	370
190024	340	300	410
190025	400	325	515
190026	450	325	565
190027	500	325	615
190028	600	325	715
190029	680	365	865
190030	700	365	885
190031	900	365	1085
190032	1100	400	1320
190033	1350	400	1570
190034	1500	400	1720

191 Hammer, Sledge



- QB/T 2613.6 ● Precision Casting
- The sledge hammer can apply more force than other hammers, due to its large size.
- With Safety Pin

Number	H g	L mm	△ g
191001	300	310	470
191002	450	340	710
191003	500	340	760
191004	600	365	875
191005	800	365	1075
191006	900	400	1220
191007	1000	400	1320
191008	1130	430	1480
191009	1400	550	1945
191010	1500	550	2045
191011	1800	550	2345
191012	2000	645	2790

191 Hammer, Sledge



Number	H g	L mm	△ g
191013	2200	645	2990
191014	2500	645	3290
191015	2700	750	3770
191016	3000	750	4070
191017	3400	750	4470
191018	3600	750	4670
191019	4000	855	5220
191020	4500	855	5720
191021	5000	855	6220
191022	5400	960	6720
191023	6000	960	7320
191024	6300	960	7620
191025	6400	960	7720
191026	6800	960	8120
191027	7000	960	8320
191028	7200	1065	8640
191029	8000	1065	9440
191030	8200	1065	9640
191031	9000	1065	10440

191 Hammer, Sledge



- QB/T 2613.6 ● Precision Casting
- The sledge hammer can apply more force than other hammers, due to its large size.
- With Safety Pin

Number	H g	L mm	△ g
191032	9100	1170	10710
191033	9900	1170	11510
191034	10000	1170	11610
191035	10800	1170	12410
191036	12000	1170	13610
191037	14400	1170	16010
191038	15000	1170	16610
191039	16200	1170	17810
191040	18000	1170	19610

191 Hammer, Sledge, Sleeves



- QB/T 2613.6 ● Precision Casting
- The sledge hammer can apply more force than other hammers, due to its large size.
- With Safety Pin

Number	Size g	L mm	△ g
191041	450	340	710
191042	1000	400	1320
191043	1400	550	1945
191044	1800	550	2345
191045	2000	645	2790
191046	2200	645	2990
191047	2500	645	3290



292014 Safety Buckle

191 Hammer, Sledge



- QB/T 2613.6 ● Precision Casting
- The sledge hammer can apply more force than other hammers, due to its large size.
- With Safety Pin

Number	Size g	L mm	△ g
191048	450	340	450
191049	500	340	500
191050	675	365	680
191051	800	365	800
191052	900	400	910
191053	1000	400	1000
191054	1130	430	1130
191055	1350	550	1350
191056	1400	550	1400
191057	1500	550	1500
191058	1800	550	1800
191059	2000	645	2000
191060	2200	645	2200

191 Hammer, Sledge



Number	Size g	L mm	△ g
191061	2500	645	2500
191062	2700	750	2700
191063	3000	750	3000
191064	3150	750	3150
191065	3600	750	3600
191066	4000	855	4000
191067	4500	855	4500
191068	5000	855	5000
191069	5400	960	5400
191070	6000	960	6000
191071	6400	960	6400
191072	6800	960	6800
191073	7200	1065	7200
191074	8000	1065	8000
191075	8200	1065	8200
191076	9100	1170	9100
191077	9900	1170	9900
191078	10800	1170	10800
191079	11250	1170	11250

191 Hammer, Sledge, Sleeves



- QB/T 2613.6 ● Precision Casting
- The sledge hammer can apply more force than other hammers, due to its large size.
- With Safety Pin

Number	Size g	L mm	△ g
191080	450	300	710
191081	1000	360	1320
191082	1400	400	1945
191083	1800	450	2345
191084	2000	500	2790
191085	2200	550	2990
191086	2500	600	3290

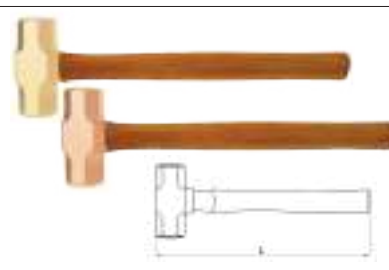
191 Hammer, Sledge With Wooden Handle



- Q/ZBF-191B ● Precision Casting
- The sledge hammer can apply more force than other hammers, due to its large size.
- German type.

Number	Size g	L mm	△ g
191087	450	310	450
191088	910	320	910
191089	1000	320	1000
191090	1130	360	1130
191091	1350	360	1350
191092	1400	360	1400
191093	1500	360	1500
191094	1800	380	1800
191095	2000	380	2000
191096	2200	400	2200
191097	2500	400	2500
191098	2700	400	2700
191099	3000	700	3000
191100	3500	700	3500
191101	3600	700	3600
191102	4000	800	4000
191103	4500	800	4500
191104	5000	800	5000
191105	5400	800	5400
191106	6000	800	6000
191107	6400	800	6400
191108	7200	900	7200
191109	8000	900	8000
191110	8200	900	8200
191111	9100	900	9100
191112	9900	900	9900
191113	10000	900	10000
191114	12000	900	12000

191 Hammer, Sledge Sleeves With Wooden Handle



- Q/ZBF-191B ● Precision Casting
- The sledge hammer can apply more force than other hammers, due to its large size.
- German type.

Number	Size g	L mm	△ g
191115	450	310	615
191116	1000	320	1350
191117	1400	360	1690
191118	1500	360	1840
191119	1800	380	2190
191120	2000	380	2390
191121	2200	400	2600
191122	2500	400	2900

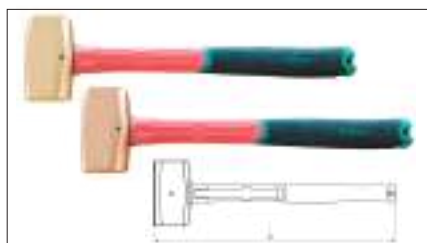
191 Hammer, Sledge (German Type)



- QB/T 2613.6 ● Precision Casting
- The sledge hammer can apply more force than other hammers, due to its large size
- With Safety Pin

Number	H g	L mm	△ g
191123	450	340	710
191124	500	340	760
191125	700	365	975
191126	800	365	1075
191127	900	400	1220
191128	1000	400	1320
191129	1130	430	1480
191130	1500	550	2045
191131	1800	550	2345
191132	2000	645	2790
191133	2500	645	3290
191134	3000	750	4070
191135	3600	750	4670
191136	4000	855	5220
191137	4500	855	5720
191138	5000	855	6220
191139	6000	960	7320
191140	6400	960	7720
191141	8000	1065	9440

191 Club Hammer



- QB/T 2613.6 ● Precision Casting
- The sledge hammer can apply more force than other hammers, due to its large size
- With Safety Pin

Number	Size lb	L mm	g
191142	2	400	1230
191143	3	550	1900
191144	4	550	2340

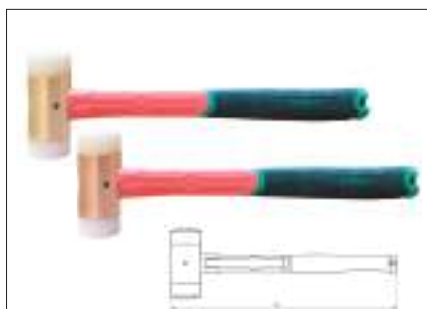
191 Club Hammer



- Q/ZBF-191D ● Precision Casting
- It is useful for light demolition work, driving masonry nails, and for use with a steel chisel when cutting stone or metal. it is a heavy one-handed hammer with a double - faced head
- With Safety Pin

Number	H g	L mm	g
191145	1500	550	2045
191146	2000	645	2790
191147	3000	750	4070
191148	5000	855	6220

191 Nylon Hammer



- Q/ZBF-191E ● Precision Casting
- The nylon head are used to protect the striking surface from damage.
- With Safety Pin

Number	Size g	L mm	g
191149	800	365	1075
191150	1000	400	1320
191151	1200	430	1550
191152	1500	550	2045

191 Nylon Hammer



- Q/ZBF-191F ● Precision Casting
- The nylon head are used to protect the striking surface from damage.
- With Safety Pin

Number	Size g	L mm	g
191153	420	340	420
191154	650	365	650

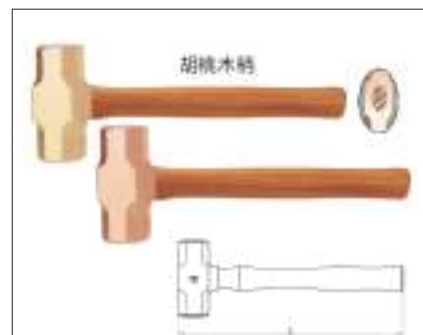
191 Hammer, Sledge With Wooden Handle



- Hickory handle

Number	H g	L mm	g
191155	450	310	580
191156	500	310	630
191157	680	320	840
191158	900	320	1060
191159	1000	320	1160
191160	1400	360	1570
191161	1500	360	1670
191162	1800	380	1980
191163	2000	380	2180
191164	2200	400	2430
191165	2500	400	2730
191166	2700	400	2930
191167	3000	700	3560
191168	3600	700	4160
191169	4000	800	4700
191170	4500	800	5200
191171	5000	800	5700
191172	5400	800	6100
191173	6400	800	7100
191174	7200	900	7990
191175	8000	900	8790
191176	8200	900	8990
191177	9100	900	9890
191178	9900	900	10690

191 Hammer, Sledge Sleeves With Wooden Handle



- Hickory handle

Number	H g	L mm	g
191179	450	310	580
191180	1000	320	1160
191181	1400	360	1570
191182	1500	360	1670
191183	1800	380	1980
191184	2000	380	2240
191185	2200	400	2460
191186	2500	400	2760

191 Hammer, Sledge (German Type) With Wooden Handle



- QB/T2613.6 ● Precision Casting
- Hickory handle

Number	H g	L mm	g
191187	500	310	630
191188	1000	320	1160
191189	1500	360	1670
191190	2000	380	2180
191191	2500	400	2730
191192	3000	700	3560
191193	4000	800	4700
191194	4500	800	5200
191195	5000	800	5700
191196	8000	900	8790
191197	10000	900	10790

192 Hammer, Testing



- QB/T 2613.3 ● Precision Casting
- Mainly used for hitting railroad or equipment.
- With Safety Pin

Number	H g	L mm	 g
192001	150	250	270
192002	250	290	405
192003	450	340	710
192004	680	365	955
192005	1350	550	1895

192 Hammer, Testing With Wooden Handle Long Type



- QB/T 2613.3 ● Precision Casting
- Mainly used for hitting railroad or equipment.
- With Safety Pin

Number	H g	L mm	 g
192032	150	450	270
192033	250	490	420
192034	450	540	650
192035	680	565	980
192036	1350	750	1670

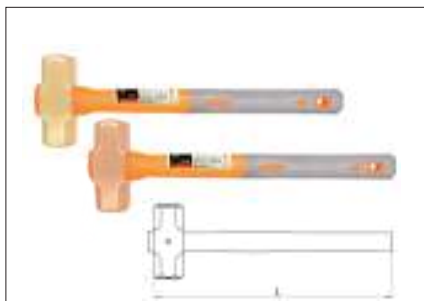
192 Sledge Hammer



- Q/ZBF-192A ● Precision Casting
- New fixing system increased the safety of the users.

Number	H g	L mm	 g
192048	1400	370	1400
192049	1500	370	1500
192050	1800	370	1800
192051	2000	370	2000
192052	2200	370	2200
192053	2500	700	2500
192054	2700	700	2700
192055	3000	700	3000
192056	3600	700	3600
192057	4000	900	4000
192058	4500	900	4500
192059	5000	900	5000
192060	5400	900	5400
192061	6400	900	6400
192062	6800	900	6800
192063	7200	900	7200
192064	8000	900	8000
192065	8200	900	8200
192066	9100	900	9100
192067	9900	900	9900
192068	10000	900	10000
192069	12000	900	12000
192070	15000	900	15000

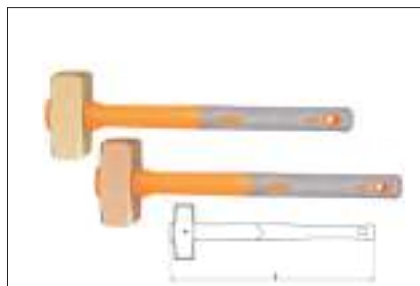
192 Sledge Hammer



- Q/ZBF-192A ● Precision Casting
- New fixing system increased the safety of the users.

Number	H g	L mm	 g
192006	450	370	700
192007	900	370	1150
192008	1000	370	1250
192009	1400	370	1650
192010	1500	370	1750
192011	1800	370	2050
192012	2000	370	2250
192013	2200	370	2450
192014	2500	700	3280
192015	2700	700	3480
192016	3000	700	3780
192017	3600	700	4380
192018	4000	900	5100
192019	4500	900	5600
192020	5000	900	6100
192021	5400	900	6500
192022	6400	900	7500
192023	6800	900	7900
192024	7200	900	8300
192025	8000	900	9100
192026	8200	900	9300
192027	9100	900	10200
192028	9900	900	11000
192029	10000	900	11100
192030	12000	900	13100
192031	15000	900	16100

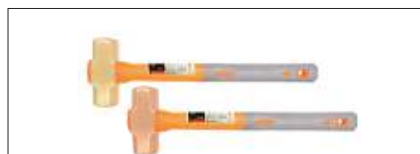
192 Sledge Hammer



- Q/ZBF-192A ● Precision Casting
- New fixing system increased the safety of the users.

Number	H g	L mm	 g
192037	1000	370	1250
192038	1500	370	1750
192039	2000	370	2250
192040	2500	700	3280
192041	3000	700	3780
192042	3500	700	4280
192043	4000	900	5100
192044	5000	900	6100

192 Sledge Hammer



- Q/ZBF-192A ● Precision Casting
- New fixing system increased the safety of the users.

Number	H g	L mm	 g
192045	450	370	450
192046	900	370	900
192047	1000	370	1000

193 Hammer, Plumb



- Q/ZBF-193 ● Precision Casting
- Plumb hammer bob were used to provide vertical datum lines for the building measurements

Number	H mm	Φ mm	Be-Cu (g)	Al-Cu (g)
193001	59	50	306	275

194 Pick Railroad



- QB/T 2290 Precision Casting
- For breaking up hard, rocky soil.

Number	Size	A mm	L mm	Be-Cu (g)	Al-Cu (g)
194001	1#	360	910	2325	2093
194002	2#	385	910	2764	2488
194003	3#	410	910	3100	2790
194004	4#	470	910	3692	3323

194 Pick Railroad With Wooden Handle



- QB/T 2290 Precision Casting
- For breaking up hard, rocky soil.

Number	Size	A mm	L mm	Be-Cu (g)	Al-Cu (g)
194013	1#	360	1050	1894	1722
194014	2#	385	1050	2426	2205
194015	3#	410	1050	3396	3087
194016	4#	470	1050	3939	3581

196 Axe, Pick Head



- Q/ZBF-196A Precision Casting
- For cutting application
- With Safety Pin

Number	Size g	L mm	B mm	Be-Cu (g)	Al-Cu (g)
196006	1800	920	120	2650	2385

194 Pick Railroad



- QB/T 2290 Precision Casting
- For breaking up hard, rocky soil.

Number	Size	A mm	L mm	Be-Cu (g)	Al-Cu (g)
194005	1#	380	910	2325	2093
194006	2#	400	910	3182	2864
194007	3#	430	910	3529	3176
194008	4#	500	910	4330	3897

195 Axe Fireman



- QB/T 2565.1 Precision Casting
- For cutting application. mainly used by firefighters.
- With Safety Pin

Number	L mm	H mm	B mm	Be-Cu (g)	Al-Cu (g)
195001	365	190	98	1425	1300

197 Anvil Block



- Q/ZBF-197 Precision Casting
- It is a block with a hard surface on which another object is struck. In most cases the anvil is used as a forging tool.

Number	Size g	H mm	K mm
197001	3000	63	92
197002	5000	75	110
197003	10000	95	130
197004	16000	114	160

194 Pick Railroad



- QB/T 2290 Precision Casting
- For breaking up hard, rocky soil.

Number	H g	L mm	Be-Cu (g)	Al-Cu (g)
194009	1100	910	2200	2200
194010	1700	910	2800	2800
194011	2000	910	3100	3100
194012	3300	910	4400	4400

196 Axe



- GB 8389.6 Precision Casting
- For cutting application

Number	L mm	H mm	B mm	Be-Cu (g)	Al-Cu (g)
196001	340	125	70	750	710
196002	365	145	82	990	920
196003	430	150	86	1450	1350
196004	920	170	100	2970	2800
196005	920	170	113	3300	3000



Crow Foot \ Plug

Shovel P122-P124

12 198001-201022

198 装柄方锹



- QB/T 2095
- Cold Rolled
- For digging, lifting, and moving application.
- National Patent: 2008300837435

Number	L(A) mm	L(B) mm	B mm	Be-Cu (g)	Al-Cu (g)
198001	940	870	175	1391	1252
198002	990	940	240	1882	1694
198003	940	870	175	1666	1499
198004	990	940	240	2148	1933

198 Shovel, Square With Wooden Handle



- QB/T 2095 Cold Rolled
- For digging, lifting, and moving application.

Number	L mm	B mm	H mm	Be-Cu (g)	Al-Cu (g)
198005	1400	195	340	1533	1460
198006	1450	240	418	2096	2081

198 Shovel, Square (Euro Type)



- QB/T 2095 ● Cold Rolled
- For digging, lifting, and moving application.

Number	L mm	B mm	H mm	Be-Cu (g)	Al-Cu (g)
198007	1900	240	505	2544	2435

198 Shovel, Square With Long Handle



- QB/T 2095 ● Cold Rolled
- For digging, lifting, and moving application.

Number	L mm	B mm	H mm	Be-Cu (g)	Al-Cu (g)
198008	1750	195	340	2009	1938

199 Dust Pan



- QB/T 2095 Cold Rolled
- For digging, lifting, and moving application.

Number	L(A) mm	L(B) mm	B mm	H mm	Be-Cu (g)	Al-Cu (g)
199001	1040	990	280	520	2557	2541
199002	1040	990	280	520	2769	2753

200 Shovel, Round Point



- QB/T 2095
- Cold Rolled
- For digging, lifting, and moving application
- National Patent: 200830083744X

Number	L(A) mm	L(B) mm	B mm	H mm	Be-Cu (g)	Al-Cu (g)
200001	990	930	230	420	1686	1565
200002	990	930	230	420	1898	1776

200 Shovel, Round Point



- QB/T 2095 ● Cold Rolled
- For digging, lifting, and moving application.
- Japanese type.

Number	L mm	B mm	H mm	Be-Cu (g)	Al-Cu (g)
200003	830	170	300	1175	1180

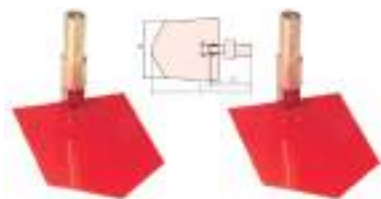
200 Shovel, Round Point



- QB/T 2095 ● Cold Rolled
- For digging, lifting, and moving application.
- Extra long handle.

Number	L mm	B mm	H mm	Be-Cu (g)	Al-Cu (g)
200004	1450	230	420	1900	1778

201 Folding Spade



- Q/ZBF-201 Cold Rolled
- Dual-use. The spade can be fold back used as a hoe.

Number	L mm	B mm	H mm	Be-Cu (g)	Al-Cu (g)
201001	320	180	130	1230	1107

201 Edging Spade



- Q/ZBF-201A ● Precision Casting
- Designed primarily for the purpose of digging, high strength.

Number	L mm	B mm	H mm	Be-Cu (g)	Al-Cu (g)
201002	1390	195	290	1883	1826
201003	1440	180	270	2071	1998

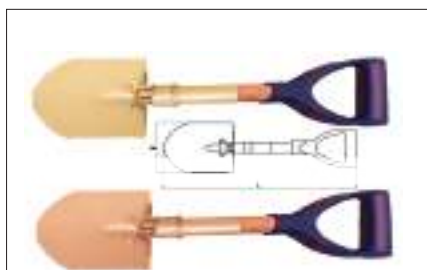
201 Shovel, Snow



- Q/ZBF-201B
- Cold Rolled
- Accumulation, dispersion of powder foam, granular industrial material.

Number	B mm	H mm	L mm	Copper (g)	Brass (g)
201004	570	280	1430	2423	2423

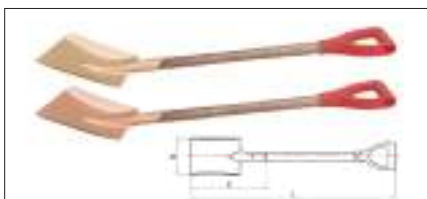
201 Shovel, Military



- Q/ZBF-201C Laser Cutting, Precision assembly
- Foldable and easy to carry

Number	B mm	L mm	Be-Cu (g)	Al-Cu (g)
201005	150	570	1245	1121

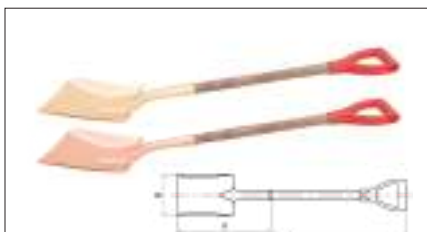
201 No.3 Shovel, Square



- Q/ZBF-1987 ● Cold Rolled
- For digging, lifting and moving application
- D type Wooden handle

Number	L mm	B mm	H mm	Be-Cu (g)	Al-Cu (g)
201006	970	195	350	1381	1310

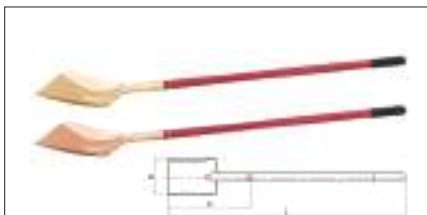
201 Shovel, Bending long-sleeved Square



- Q/ZBF-1993 ● Cold Rolled
- For digging, lifting and moving application
- D type Wooden handle, locking hoop

Number	L mm	B mm	H mm	Be-Cu (g)	Al-Cu (g)
201007	1100	230	500	2030	1917

201 Shovel, Bending long-sleeved Square



- Q/ZBF-1996 ● Cold Rolled
- For digging, lifting and moving application
- Long plastic handle with rubber hose, locking hoop

Number	L mm	B mm	H mm	Be-Cu (g)	Al-Cu (g)
201008	1500	230	500	2398	2285

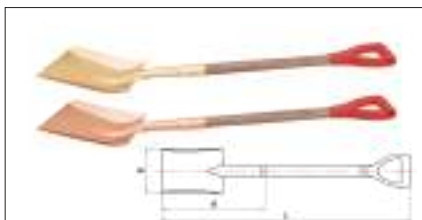
201 Shovel, Bending long-sleeved Square



- Q/ZBF-1997 ● Cold Rolled
- For digging, lifting and moving application
- Long plastic handle with rubber hose, locking hoop

Number	L mm	B mm	H mm	Be-Cu (g)	Al-Cu (g)
201009	1500	230	505	2347	2259

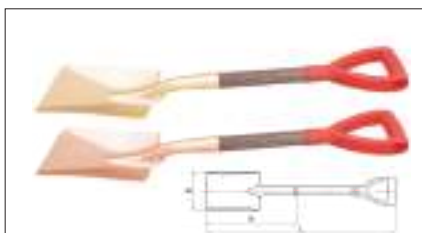
201 Shovel, Bending long-sleeved Square



- Q/ZBF-1998 ● Cold Rolled
- For digging, lifting and moving application
- D type Wooden handle, locking hoop

Number	L mm	B mm	H mm	Be-Cu (g)	Al-Cu (g)
201010	1080	230	500	1979	1891

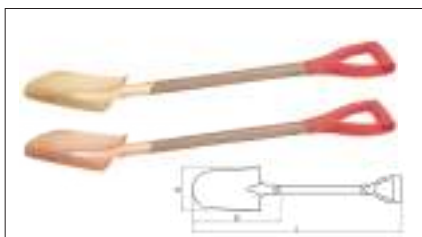
201 Shovel, Bending long-sleeved Square



- Q/ZBF-2001 ● Cold Rolled
- For digging, lifting and moving application
- D type Wooden handle

Number	L mm	B mm	H mm	Be-Cu (g)	Al-Cu (g)
201011	700	150	345	802	805

201 Shovel, Round point



- Q/ZBF-2004 ● Cold Rolled
- For digging, lifting and moving application
- D type Wooden handle

Number	L mm	B mm	H mm	Be-Cu (g)	Al-Cu (g)
201012	1030	180	430	1766	1643

201 Shovel, Long type round point



- Q/ZBF-2007 ● Cold Rolled
- For digging, lifting and moving application
- D type Wooden handle

Number	L mm	B mm	H mm	Be-Cu (g)	Al-Cu (g)
201013	1030	235	430	1640	1511

201 Shovel, Round point



- Q/ZBF-2010 ● Cold Rolled
- For digging, lifting and moving application
- D type Wooden handle

Number	L mm	B mm	H mm	Be-Cu (g)	Al-Cu (g)
201014	740	150	380	820	804

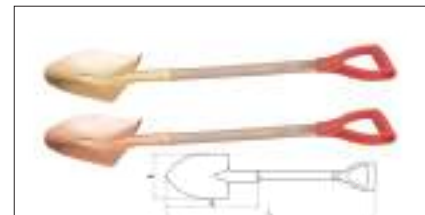
201 Shovel, Bending Long-Sleeved Square



- Q/ZBF-2016 ● Cold Rolled
- For digging, lifting and moving application
- D type Wooden handle, locking hoop

Number	L mm	B mm	H mm	Be-Cu (g)	Al-Cu (g)
201015	740	150	380	922	904

201 Straight Sleeves Shovel, Round Point D Type Fiberglass Handle With Locking Hoop



- Q/ZBF-2016 ● Cold Rolled
- For digging, lifting and moving application
- D type Wooden handle, locking hoop

Number	L mm	B mm	H mm	Be-Cu (g)	Al-Cu (g)
201016	1030	220	425	1528	1448

201 Offset Sleeves Shovel, Round Point D Type Fiberglass Handle With Locking Hoop



- Q/ZBF-2016 ● Cold Rolled
- For digging, lifting and moving application
- D type Wooden handle, locking hoop

Number	L mm	B mm	H mm	Be-Cu (g)	Al-Cu (g)
201017	1030	210	500	1753	1710

201 Offset Sleeves Shovel, Round Point Fiberglass Handle With Locking Hoop



- Q/ZBF-2019 ● Cold Rolled
- For digging, lifting and moving application
- Long plastic handle with rubber hose, locking hoop

Number	L mm	B mm	H mm	Be-Cu (g)	Al-Cu (g)
201018	1530	210	500	2097	2078

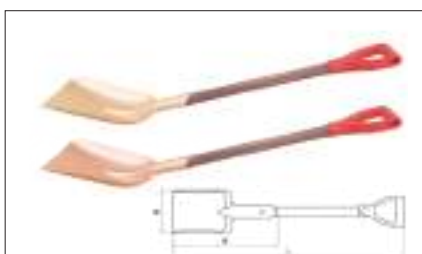
201 Shovel, Dust pan



- Q/ZBF-2026 ● Cold Rolled
- For digging, lifting and moving application
- D type Wooden handle

Number	L mm	B mm	H mm	Be-Cu (g)	Al-Cu (g)
201019	1030	280	515	2548	2532

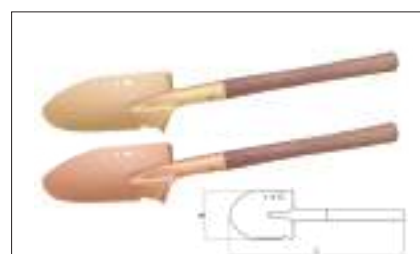
201 Shovel, Dust pan



- Q/ZBF-2029 ● Cold Rolled
- For digging, lifting and moving application
- D type Wooden handle

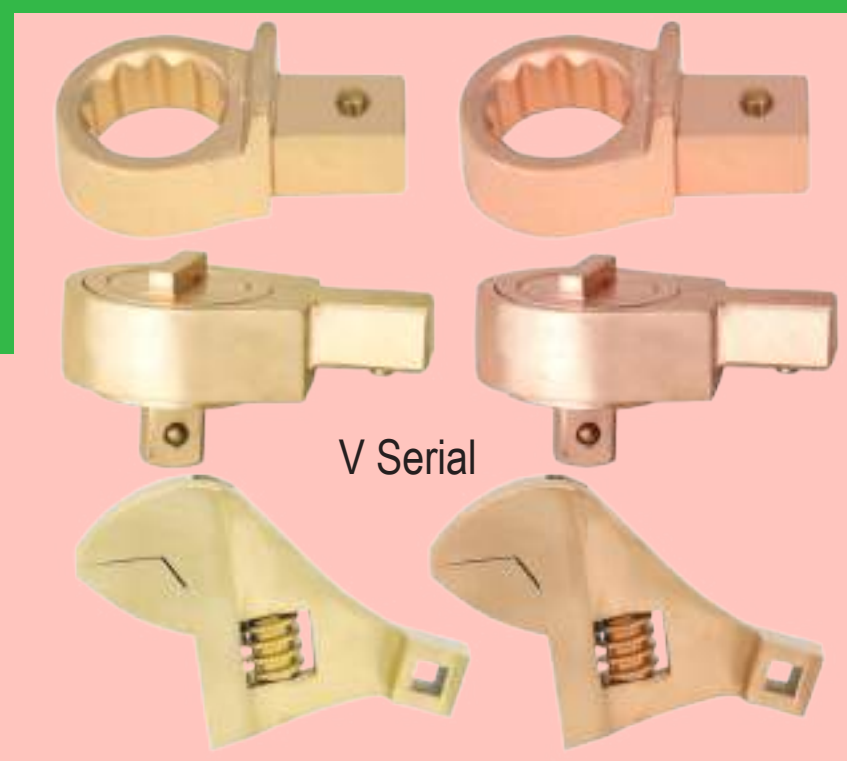
Number	L mm	B mm	H mm	Be-Cu (g)	Al-Cu (g)
201020	1030	240	440	1788	1609

201 Shovel, Military portable, short wooden handle



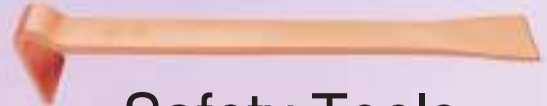
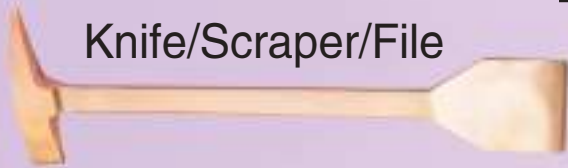
- Q/ZBF-2038 ● Cold Rolled
- For digging, lifting and moving application
- Short type Wooden handle

Number	L mm	B mm	H mm	Be-Cu (g)	Al-Cu (g)
201021	550	130	255	587	570
201022	630	170	335	952	933





Knife/Scraper/File



Safety Tools



Safety Tools

P125-P138



Knife \ Scraper \ File P125-P131

(13) 202001-221005

202 Knife, Common



- Q/ZBF-202
- Cold Rolled
- Cutting tool, plastic handle.

Number	L mm	L1 mm	Be-Cu (g)	Al-Cu (g)
202001	80	185	97	87
202002	100	205	106	95
202003	145	250	114	102
202004	200	305	105	116
202005	300	405	137	123
202006	400	505	165	149

202 Knife



- Q/ZBF-202A
- Cold Rolled
- Cutting tool, plastic handle.

Number	L mm	L1 mm	Be-Cu (g)	Al-Cu (g)
202007	90	200	109	97
202008	100	215	115	105

202 Knife, Common



- Q/ZBF-202B
- Cold Rolled
- Cutting tool, plastic handle.

Number	L mm	L1 mm	Be-Cu (g)	Al-Cu (g)
202009	80	200	114	102
202010	137	250	126	112

202 Knife



- Q/ZBF-202
- Cold Rolled
- Cutting tool, plastic handle.

Number	L mm	L1 mm	Be-Cu (g)	Al-Cu (g)
202011	145	250	107	97
202012	200	300	116	104

203 Knife, Putty



- QB/T 2083
- Cold Rolled
- Suitable for scraping or spreading.

Number	L mm	L1 mm	Be-Cu (g)	Al-Cu (g)
203001	25	200	97	87
203002	40	200	105	95
203003	50	200	110	99
203004	60	200	115	104
203005	65	200	120	108
203006	80	200	126	113

203 Knife, Putty



- QB/T2083
- Cold Rolled
- Suitable for scraping or spreading.

Number	L mm	L1 mm	Be-Cu (g)	Al-Cu (g)
203007	25	200	99	95
203008	30	200	105	96
203009	40	200	112	100
203010	50	200	115	108
203011	60	200	121	115
203012	65	200	128	122
203013	80	200	131	125

203 Knife, Putty



- QB/T2083
- Cold Rolled
- Suitable for scraping or spreading.

Number	L mm	L1 mm	Be-Cu (g)	Al-Cu (g)
203014	75	200	130	110
203015	80	200	133	115
203016	100	200	150	145
203017	150	253	252	240

204 Knife, Putty



- QB/T2083
- Cold Rolled
- Suitable for scraping or spreading

Number	L mm	L1 mm	Be-Cu (g)	Al-Cu (g)
204001	75	200	130	124
204002	100	200	150	143
204003	120	200	166	158
204004	150	250	310	295

204 Spatula



- Q/ZBF-204A
- Cold Rolled
- Used for mixing and spreading

Number	K mm	L mm	L1 mm	Be-Cu (g)	Al-Cu (g)
204005	30	90	200	99	95
204006	50	105	220	115	110
204007	90	120	230	160	145

204 Electrician Knife



- QB/T2208
- Die forged
- Cutting tool, mainly used in electrician's job.

Number	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
204008	60	195	210	185

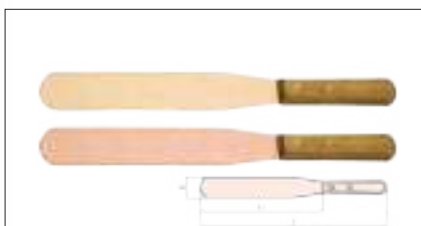
204 Knife, Putty With Wooden Handle



- QB/T2083
- Cold Rolled
- Suitable for scraping or spreading,
- Wood handle.

Number	K mm	L mm	Be-Cu (g)	Al-Cu (g)
204009	25	200	95	85
204010	40	200	105	90
204011	50	200	110	95
204012	60	200	115	98
204013	65	200	120	100

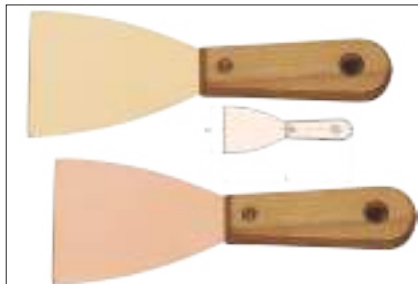
204 Spatula



- Q/ZBF-204D
- Cold Rolled
- Suitable for scraping or spreading, extra long blade.

Number	K mm	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
204014	40	230	350	168	150

204 Knife, Putty With Wooden Handle



- QB/T2083
- Cold Rolled
- Suitable for scraping or spreading,
- Wood handle.

Number	K mm	L mm	Be-Cu (g)	Al-Cu (g)
204015	50	200	105	95
204016	60	200	110	99
204017	75	200	130	110
204018	80	200	140	115
204019	100	200	150	125
204020	120	200	180	150
204021	150	250	310	215

204 Knife



- Q/ZBF-204F
- Cold Rolled
- Knife with leather case.

Number	L mm	L1 mm	Be-Cu (g)	Al-Cu (g)
204022	110	215	100	90

204 Knife



- Q/ZBF-204G
- Cold Rolled
- Knife with long wooden handle

Number	L mm	L1 mm	Be-Cu (g)	Al-Cu (g)
204023	75	180	31	30

204 Knife



- Q/ZBF-204H
- Cold Rolled
- Knife with wooden handle, suitable for cutting and scraping.

Number	L mm	L1 mm	Be-Cu (g)	Al-Cu (g)
204024	120	230	91	82

204 Sickle



- Crescent-shaped, wooden handle, used for harvesting.

Number	B mm	L mm	Be-Cu (g)	Al-Cu (g)
204025	144	360	319	285

205 Scraper



- Q/ZBF205
- Cold Rolled
- Scraper with long wooden handle

Number	B mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
205001	50	900	2	656	587

205 Scraper



- Q/ZBF-205A
- Cold Rolled
- Scraper with long plastic handle.

Number	B mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
205002	50	900	2	980	941

205 Scraper, Long Handle



- Q/ZBF-205A
- Cold Rolled
- Scraper with long plastic handle.

Number	B mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
205003	75	1400	2	1050	1000

206 Scraper, Flat



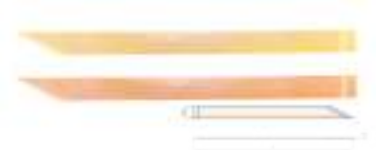
Number	B mm	L mm	L1 mm	Be-Cu (g)	Al-Cu (g)
206001	30	200	325	260	234
206002	50	200	325	633	575
206003	75	200	325	900	818
206004	20	225	335	473	425
206005	20	240	365	515	463
206006	30	250	375	325	293
206007	18	300	430	420	378
206008	25	300	430	494	449
206009	30	300	430	390	351
206010	35	300	430	590	531
206011	40	300	430	680	618
206012	20	310	440	651	586
206013	35	350	490	640	580
206014	40	350	490	800	727
206015	50	350	525	953	866
206016	40	400	575	850	773
206017	60	400	575	1114	1013
206018	65	400	575	1419	1290
206019	40	500	675	2100	1890

206 Scraper



Number	B mm	L mm	Be-Cu (g)	Al-Cu (g)
206020	20	400	410	370
206021	30	690	1 050	950

206 Scraper



Number	B mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
206022	10	300	2	50	45
206023	15	300	2	75	68
206024	20	300	2	100	90

207 Scraper, Deck



- Q/ZBF-207
- Die forged
- Scraping tool.

Number	B mm	L mm	Be-Cu (g)	Al-Cu (g)
207001	28	150	129	118
207002	22	200	148	134
207003	30	200	177	161
207004	40	250	225	205
207005	32	300	205	185
207006	45	300	355	333
207007	55	300	346	311
207008	55	350	531	483
207009	50	400	456	415
207010	55	450	856	778
207011	50	500	969	872
207012	55	500	1260	1134
207013	55	650	1405	1290
207014	60	750	1710	1572

207 Scraper, Deck, Inch



- Q/ZBF-207
- Die forged
- Scraping tool.

Number	B inch	L inch	Be-Cu (g)	Al-Cu (g)
207015	2	12	460	425

208 Scraper, Deck



- Q/ZBF-208
- Precision Casting
- Scraping tool.

Number	B mm	L mm	Be-Cu (g)	Al-Cu (g)
208001	40	270	394	352

209 Scraper, Deck



- Q/ZBF-209
- Die forged
- Scraping tool.

Number	B mm	L mm	Be-Cu (g)	Al-Cu (g)
209001	48	300	476	425

210 Scraper, Deck



- Q/ZBF-210
- Die forged
- Scraping tool.

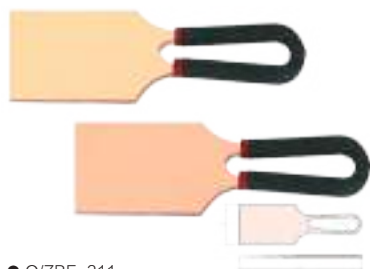
Number	B mm	L mm	Be-Cu (g)	Al-Cu (g)
210001	38	380	876	782

210 Scraper



Number	B mm	L mm	Be-Cu (g)	Al-Cu (g)
210002	125	235	935	850

211 Scraper, Spray Booth



- Q/ZBF-211
- Precision Casting
- Used for spray paint booth operations, labor saving

Number	B mm	L mm	Be-Cu (g)	Al-Cu (g)
211001	76	235	445	397

211 Scraper



Number	B mm	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
211002	39	75	120	65	70
211003	39	170	215	90	105

211 Scraper



Number	B mm	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
211004	75	85	200	160	155

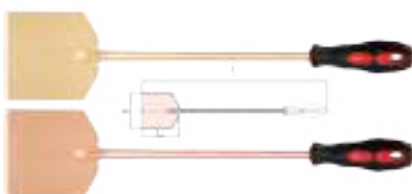
212 Scraper



- Q/ZBF-212
- Die forged
- New type, sharp blade, labor saving

Number	B mm	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
212001	50	90	690	682	608
212002	60	90	690	693	630
212003	75	100	705	865	772
212004	100	115	720	925	826
212005	125	130	730	1291	1162
212006	150	150	765	1550	1384

212 Scraper, Hand Style



- Q/ZBF-212A
- Die forged
- New type, sharp blade, labor saving.

Number	B mm	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
212007	95	95	480	511	456

212 Scraper, Rust



- Q/ZBF-212B
- Die forged
- Cleaning irregularly arc surface.

Number	B mm	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
212008	75	75	600	408	365

212 Scraper, Wooden Handle



- For removal and cleaning, wooden handle, can be used with both hands, easy to force.

Number	B mm	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
212009	120	100	260	319	285
212010	160	130	305	570	535
212011	180	150	350	675	630

212 Scraper



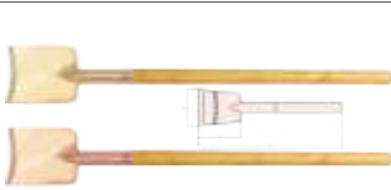
Number	B mm	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
212012	50	90	1200	2928	2662
212013	75	100	1200	3154	2868
212014	100	115	1220	3239	2944
212015	150	150	1220	3800	3440

212 Scraper



Number	B mm	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
212016	50	90	1200	2200	1935
212017	75	100	1200	2435	2150
212018	100	115	1220	2540	2245
212019	150	150	1220	3100	2740

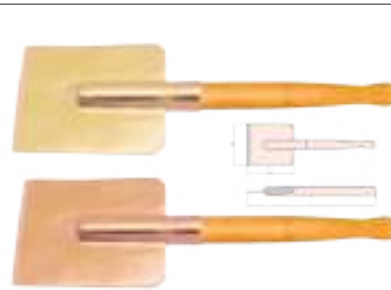
213 Scraper, Arched



- Q/ZBF-213
- Die forged
- Cleaning irregularly arc surface

Number	B mm	L mm	L1 mm	Be-Cu (g)	Al-Cu (g)
213001	50	120	690	383	342
213002	75	120	710	575	517
213003	100	120	710	628	561
213004	150	120	720	1056	944

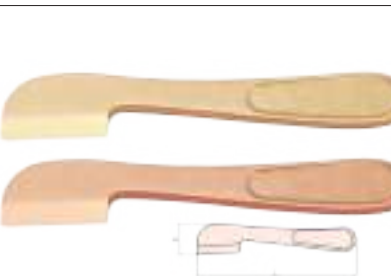
213 Scraper, Floor



- Q/ZBF-213A
- Precision Casting
- Scraping tool with wide blade

Number	B mm	L mm	L1 mm	Be-Cu (g)	Al-Cu (g)
213005	150	170	460	1030	920
213006	216	170	460	2086	1896

214 Opener Carbide Drum



- Q/ZBF-214
- Die forged
- Used to open the oil drum

Number	B mm	L mm	Be-Cu (g)	Al-Cu (g)
214001	53	280	697	622

215 Scraper Tile Cleaver



- QB/T 2212.17
- Die forged
- Used for bricklaying.

Number	B mm	L mm	L1 mm	Be-Cu (g)	Al-Cu (g)
215001	55	180	350	571	510

215 Trowel Bricklayer's



- QB/T2212.14
- Cold Rolled
- Used for bricklaying

Number	B mm	L mm	L1 mm	Be-Cu (g)	Al-Cu (g)
215002	130	215	335	480	428

215 Trapezia Shovel Bricklayer's



- QB/T2212.12
- Cold Rolled
- Used for bricklaying.

Number	B mm	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
215003	80	160	290	420	390

215 Trowel Bricklayer's



- Flammable and explosive places, shovel ash, smooth, clean up, can be customized pointed and other shapes.

Number	B mm	L mm	Be-Cu (g)	Al-Cu (g)
215004	150	300	670	625

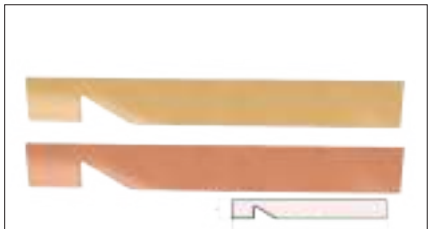
215 Knife



- Used in flammable and explosive places for cutting.

Number	B mm	L mm	L1 mm	Be-Cu (g)	Al-Cu (g)
215005	85	185	300	516	469

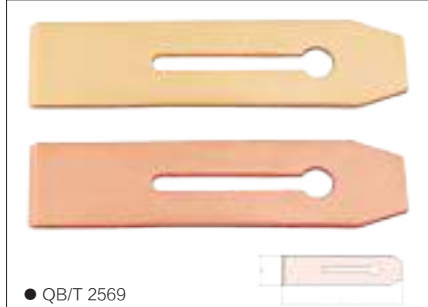
215 Bakin Knife



- Used in flammable and explosive places, for cutting, triangular mouth with two edges.

Number	B mm	L mm	Be-Cu (g)	Al-Cu (g)
215006	50	400	470	425
215007	60	600	1730	1570
215008	60	800	2320	2110
215009	60	1000	2915	2650

216 Plane's Blade



- QB/T 2569
- Die forged
- Used to cut fine amounts of material from a workpiece.
- Bastard & Medium & Smooth

Number	B mm	L mm	Be-Cu (g)	Al-Cu (g)
216001	43	175	209	186

217 File, Flat



- QB/T 2569
- Die forged
- Used to cut fine amounts of material from a workpiece.
- Bastard & Medium & Smooth

Number	L inch	L mm	B mm	H mm	Be-Cu (g)
217001	6	150	16	4	143
217002	8	200	21	4.5	214
217003	10	250	25	6	398
217004	12	300	30	6.5	653
217005	14	350	32	8	873
217006	16	400	32	9.5	1214

218 File, Half Round



- QB/T 2569
- Die forged
- Used to cut fine amounts of material from a workpiece.
- Bastard & Medium & Smooth

Number	L inch	L mm	B mm	H mm	Be-Cu (g)
218001	6	150	22	6	138
218002	8	200	23	7	177
218003	10	250	26	8	322
218004	12	300	28	9	347
218005	14	350	30	10	554

219 File, Round



- QB/T 2569
- Die forged
- Used to cut fine amounts of material from a workpiece.
- Bastard & Medium & Smooth

Number	L inch	L mm	B mm	φ mm	Be-Cu (g)
219001	6	150	6.5	58	112
219002	8	200	7.5	95	137
219003	10	250	8.5	148	183
219004	12	300	9.5	244	244
219005	14	350	10.5	313	336

220 File, Square



- QB/T 2569
- Die forged
- Used to cut fine amounts of material from a workpiece.
- Bastard & Medium & Smooth

Number	L inch	L mm	B mm	Be-Cu (g)
220001	8	200	8	142
220002	10	250	10	183
220003	12	300	11	234
220004	14	350	12	318

221 File, Triangle



- QB/T 2569
- Die forged
- Used to cut fine amounts of material from a workpiece
- Bastard & Medium & Smooth

Number	L inch	L mm	B mm	Be-Cu (g)
221001	8	200	12	142
221002	10	250	13	183
221003	12	300	14	265
221004	14	350	14	285

221 File Set-5pcs



- QB/T 2569
- Die forged
- Used to cut fine amounts of material from a workpiece

Number	L mm	φ mm	Be-Cu (g)
221005	○180	5	140
	□180	5	
	△180	5	
	□180	5	
	D180	5	

Punch\Chisel\Bar P131-P138
14 222001-228002

222 Punch, Machinists'



- Q/ZBF-222
- Die forged
- For creating a dimple in wood or plastic.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
222001	12	100	94	85
222002	12	150	129	116
222003	13	150	149	134
222004	14	150	183	165
222005	14	250	299	269
222006	16	160	248	223
222007	16	200	315	284
222008	16	250	420	378
222009	17	300	542	488
222010	18	200	408	367
222011	18	250	511	460
222012	19	200	439	395
222013	19	250	560	504
222014	19	300	698	628
222015	20	150	355	320
222016	20	200	474	427
222017	20	240	570	513
222018	20	250	632	569
222019	20	300	754	679
222020	22	300	952	857
222021	22	350	1110	999
222022	25	250	765	689
222023	30	300	1298	1168

222 Punch, Center, Hex



Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
222024	10	150	94	85
222025	12	100	90	82
222026	17	250	456	415

223 Chisel, Pneumatic Bull Point



- Q/ZBF-223
- Die forged
- Designed to fit pneumatic tools.

Number	S mm	L mm	L1 mm	Be-Cu (g)	Al-Cu (g)
223001	19	500	72	1165	1058
223002	22	235	70	791	719
223003	24	500	150	2085	1895
223004	25	500	150	2316	2105
223005	28	500	150	2772	2520
223006	32	500	150	3540	3218

223 Punch, Machinists'



- DIN 6450
- Die forged
- Used to drive pins for affixing a fixture to a rotating shaft.

Number	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
223007	3	130	140	130
223008	4	110	130	120
223009	4	120	135	125
223010	4	180	215	200
223011	5	120	125	115
223012	5	150	237	215
223013	5	215	350	320
223014	6	150	244	222
223015	6	160	270	245
223016	7	150	263	239
223017	8	150	292	266
223018	9	150	306	278
223019	10	100	295	285
223020	10	150	330	297
223021	10	180	420	382
223022	10	345	716	788
223023	12	150	475	432
223024	13	200	750	682
223025	14	160	630	573
223026	16	300	1106	995
223027	18	150	713	648
223028	20	200	1154	1049

223 Drift Cylindrical



- DIN 6450
- Die forged
- Used to drive pins for affixing a fixture to a rotating shaft.

Number	Φ mm	Φ1 mm	L mm	Be-Cu (g)	Al-Cu (g)
223029	1	3	100	14	13
223030	1	9	110	52	47
223031	1.4	6	110	23	21
223032	2	6	110	25	23
223033	2	8	100	42	38
223034	2	8	110	46	42
223035	2	9	110	47	43
223036	3	9	110	50	45
223037	3	9	150	64	58
223038	4	10	110	53	48
223039	5	8	120	62	57
223040	5	10	110	57	51
223041	5	11	110	66	60
223042	5	11	115	69	63

223 Drift Cylindrical



Number	Φ mm	Φ1 mm	L mm	Be-Cu (g)	Al-Cu (g)
223043	5	11	150	95	85
223044	5	12	115	88	80
223045	5	13	110	95	85
223046	6	10	120	65	59
223047	6	12	115	85	77
223048	6	12	120	89	81
223049	6	12	150	121	110
223050	7	12	115	75	68
223051	7	13	120	103	93
223052	7	13	150	140	125
223053	8	12	150	115	105
223054	8	13	120	107	98
223055	8	13	150	165	150
223056	8	14	120	121	110
223057	8	14	150	162	146
223058	8	15	120	137	125

223 Drift Cylindrical



- DIN 6450
- Die forged
- Used to drive pins for affixing a fixture to a rotating shaft.

Number	Φ mm	Φ1 mm	L mm	Be-Cu (g)	Al-Cu (g)
223059	9	15	110	85	75
223060	9	15	120	141	128
223061	9	15	130	157	143
223062	10	16	120	164	149
223063	10	16	145	201	183
223064	12	18	160	282	256
223065	14	20	180	417	372
223066	16	24	200	641	583
223067	16	25	200	668	607
223068	18	30	200	955	868
223069	18	30	225	1070	960
223070	20	32	225	1230	1110
223071	32	40	250	2272	2065

223 Drift Cylindrical, Inch



- DIN 6450
- Die forged
- Used to drive pins for affixing a fixture to a rotating shaft.

Number	Φ inch	Φ1 inch	L inch	Be-Cu (g)	Al-Cu (g)
223072	1-1/4	1-9/16	10	2310	2100

223 Drift Cylindrical, Hexagon



- DIN 6450
- Die forged
- Used to drive pins for affixing a fixture to a rotating shaft.

Number	Φ mm	S mm	L mm	Be-Cu (g)	Al-Cu (g)
223073	5	10	150	77	70
223074	6	15	150	83	76

223 Punch



- Q/ZBF-223C
- Die forged
- Used to drive pins for affixing a fixture to a rotating shaft.

Number	Φ mm	Φ1 mm	L mm	Be-Cu (g)	Al-Cu (g)
223075	1	10	150	105	95
223076	2	10	150	105	95
223077	2	11	150	115	104
223078	3	10	130	100	90
223079	3	10	150	115	104
223080	3	11	120	105	95
223081	3	12	120	115	104
223082	3	12	150	145	130
223083	4	9	120	81	74
223084	4	10	120	84	76
223085	4	10	150	104	95
223086	4	11	120	85	76
223087	4	11	150	105	96
223088	4	12	120	152	137
223089	5	11	150	105	95
223090	5	12	120	155	140

223 Punch



Number	Φ mm	Φ1 mm	L mm	Be-Cu (g)	Al-Cu (g)
223091	6	10	140	148	134
223092	6	10	150	159	145
223093	6	12	120	123	110
223094	6	12	150	130	118
223095	6	13	120	105	95
223096	6	15	150	200	180
223097	6	20	200	355	323
223098	7	12	150	130	118
223099	7	13	150	150	135
223100	8	12	150	140	126
223101	8	14	150	173	155
223102	8	20	200	380	346
223103	8	21	200	399	363
223104	8	22	200	418	380
223105	8	25	230	550	497
223106	9	10	150	165	150

223 Punch



- Q/ZBF-223C
- Die forged
- Used to drive pins for affixing a fixture to a rotating shaft.

Number	Φ mm	Φ1 mm	L mm	Be-Cu (g)	Al-Cu (g)
223107	9	17	170	340	310
223108	9	18	170	360	325
223109	9	28	210	692	623
223110	10	14	150	213	191
223111	10	15	180	398	362
223112	10	16	150	220	200
223113	10	16	175	255	230
223114	10	19	230	460	415
223115	10	21	190	525	475
223116	10	25	300	990	900
223117	12	16	150	235	210
223118	12	18	150	275	250
223119	12	18	175	335	300
223120	12	18	250	495	450

223 Punch



Number	Φ mm	Φ1 mm	L mm	Be-Cu (g)	Al-Cu (g)
223121	12	20	200	525	475
223122	12	25	250	880	800
223123	12	31	300	1615	1465
223124	13	29	255	1180	1060
223125	14	20	280	1125	1010
223126	14	24	255	1250	1125
223127	16	31	230	1410	1280
223128	16	33	250	1650	1500
223129	17	36	280	2185	1985
223130	19	39	300	2740	2490
223131	19	41	300	2945	2675
223132	20	42	310	3235	2940
223133	20	50	300	4075	3705
223134	21	44	340	3905	3550
223135	25	30	250	1485	1348
223136	25	48	340	4715	4285
223137	27	50	360	5475	4975

223 Punch, Inch



- Q/ZBF-223C
- Die forged
- Used to drive pins for affixing a fixture to a rotating shaft.

Number	Φ inch	Φ1 inch	L inch	Be-Cu (g)	Al-Cu (g)
223138	5/16	53/64	8	535	485
223139	5/16	7/16	10	845	765

223 Punch, Machinists'



- Q/ZBF-223D
- Die forged
- Drilling tool

Number	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
223140	3	120	8	7
223141	4	120	15	12
223142	5	120	20	18
223143	5	300	52	47
223144	6	100	25	20
223145	6	115	30	25
223146	6	120	40	35
223147	7	120	45	40
223148	8	120	50	45
223149	8	130	60	55
223150	8	500	219	200
223151	9	150	75	65
223152	10	150	95	85
223153	12	150	130	120
223154	12	160	145	130
223155	14	160	172	156
223156	14	200	236	214
223157	16	110	146	132
223158	16	160	230	210
223159	16	200	337	307
223160	16	300	479	436
223161	18	100	160	145
223162	18	150	261	237
223163	18	160	282	256
223164	18	200	373	339
223165	18	250	476	425
223166	18	300	588	525
223167	18	400	794	710
223168	20	200	459	417

223 Punch, Machinists'



- Q/ZBF-223D
- Die forged
- Drilling tool

Number	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
223169	20	250	708	644
223170	20	300	850	773
223171	20	400	975	869
223172	20	500	1289	1172
223173	20	600	1519	1381
223174	20	700	1745	1585
223175	20	800	2115	1920
223176	20	1000	2585	2350
223177	20	1200	3245	2940
223178	22	200	815	745
223179	22	800	2545	2310
223180	24	250	825	750
223181	25	250	981	892
223182	25	300	1178	1071
223183	25	400	1473	1339
223184	25	500	1906	1733
223185	25	800	3211	2919
223186	25	1000	3990	3630
223187	25	1200	4851	4410
223188	27	200	663	603
223189	27	250	904	822
223190	27	400	1735	1580
223191	28	1000	5115	4650
223192	30	300	1445	1314
223193	30	400	1926	1751
223194	30	500	2408	2189
223195	30	800	3853	3503
223196	30	1000	4816	4378
223197	35	1500	8715	7930

223 Punch, Machinists' , Inch



- Q/ZBF-223D
- Die forged
- Drilling tool

Number	Φ inch	L inch	Be-Cu (g)	Al-Cu (g)
223198	1/2	6	140	125
223199	3/4	8	459	417
223200	1	10	981	892

223 Drift pin, barrel straight



- Q/ZBF-223E
- Die forged
- Used as an aid in aligning bolt or rivet holes prior to inserting a fastener.

Number	Φ mm	Φ 1 mm	L mm	Be-Cu (g)	Al-Cu (g)
223201	2	8	120	44	40
223202	2	10	150	72	65
223203	3	10	150	94	85
223204	4	7	110	42	38
223205	4	8	120	46	42
223206	4	9	110	52	47
223207	4	9	150	60	55
223208	4	10	120	66	60
223209	4	10	150	75	68
223210	4	11	120	75	68
223211	4	11	150	97	88
223212	5	10	150	73	66
223213	5	11	150	94	85
223214	5	12	120	88	80

223 Drift pin, barrel straight



Number	Φ mm	Φ 1 mm	L mm	Be-Cu (g)	Al-Cu (g)
223215	6	9	150	74	66
223216	6	10	100	78	71
223217	6	10	140	96	87
223218	6	10	150	100	91
223219	6	13	150	138	125
223220	6	14	150	165	150
223221	7	10	150	89	81
223222	7	11	150	104	95
223223	7	12	150	127	115
223224	7	13	150	149	135
223225	7	17	150	231	210
223226	8	10	150	110	105
223227	8	11	150	120	109
223228	8	12	150	134	120
223229	8	13	120	116	105
223230	8	21	205	506	460
223231	9	14	150	173	155
223232	10	13	145	165	148

223 Drift pin, barrel straight



- Q/ZBF-223E
- Die forged
- Used as an aid in aligning bolt or rivet holes prior to inserting a fastener.

Number	Φ mm	Φ 1 mm	L mm	Be-Cu (g)	Al-Cu (g)
223233	10	13	150	156	142
223234	10	14	150	174	159
223235	10	16	120	176	160
223236	10	16	175	242	220
223237	10	20	200	429	390
223238	11	14	150	175	160
223239	11	16	150	221	200
223240	12	15	150	208	189
223241	12	16	150	220	200
223242	12	16	160	242	220
223243	12	16	175	264	240
223244	12	18	175	322	300
223245	12	20	200	437	416
223246	13	15	150	213	193
223247	13	15	180	250	225
223248	13	16	180	290	264
223249	13	18	150	284	258
223250	13	18	200	394	358
223251	14	18	150	306	275
223252	14	18	180	358	325
223253	14	18	200	371	337

223 Drift pin, barrel straight



Number	Φ mm	Φ 1 mm	L mm	Be-Cu (g)	Al-Cu (g)
223254	15	19	200	435	390
223255	15	20	200	465	423
223256	16	20	175	429	390
223257	16	20	200	485	433
223258	16	22	300	922	838
223259	16	24	200	680	618
223260	17	21	200	542	485
223261	17	22	200	578	525
223262	18	20	200	545	492
223263	18	22	250	733	655
223264	19	23	250	845	755

223 Drift pin, barrel straight



- Q/ZBF-223E
- Die forged
- Used as an aid in aligning bolt or rivet holes prior to inserting a fastener.

Number	Φ mm	Φ 1 mm	L mm	Be-Cu (g)	Al-Cu (g)
223265	20	24	250	885	790
223266	21	25	250	950	885
223267	21	26	250	988	889
223268	22	24	200	726	660
223269	22	26	250	1046	951
223270	24	27	200	1007	915
223271	24	28	250	1148	1044
223272	25	26	250	1122	1020
223273	25	29	250	1300	1170
223274	26	27	255	1408	1280
223275	26	30	175	968	880
223276	26	30	200	1106	995
223277	26	30	250	1390	1250
223278	27	30	200	1126	1050
223279	27	31	250	1454	1322
223280	27	31	300	1900	1770
223281	28	32	250	1541	1401
223282	28	32	300	2008	1825
223283	30	34	250	1780	1618
223284	30	34	300	2250	2045
223285	30	35	400	3088	2808
223286	33	37	300	2625	2363

223 Drift pin, barrel straight, Inch



- Q/ZBF-223E
- Die forged
- Used as an aid in aligning bolt or rivet holes prior to inserting a fastener.

Number	Φ inch	Φ 1 inch	L inch	Be-Cu (g)	Al-Cu (g)
223287	1/4	1/2	6	149	135
223288	9/32	11/16	6	281	255
223289	9/16	1-1/4	10	1524	1385
223290	1	1-1/8	10	1271	1155
223291	1-1/16	1-3/8	10	1870	1700
223292	1-5/16	1-3/4	10	2783	2530

223 Punch, Center



- Die forged
- Used to mark the centre of a hole when drilling holes.

Number	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
223293	12	100	80	72
223294	13	120	117	106

223 Punch Set - 8 pcs



- Used in flammable and explosive places, chisel, punching, bagging packaging, easy to take.

Number	名称	Size	Be-Cu (g)	Al-Cu (g)
223295	顶出冲子	3x150 4x150 5x150 6x150 8x150	715	650
	六角尖铲	4x150		
	六角扁铲	15x150		
	六角尖冲子	10x150		

224 Scraper, Triangular



- Q/ZBF-224
- Precision Casting
- Scraping tool

Number	K mm	L mm	L1 mm	Be-Cu (g)	Al-Cu (g)
224001	22	160	280	260	230
224002	25	200	320	492	447
224003	25	250	380	601	546
224004	26	300	425	753	673

224 Scraper Plate



- Q/ZBF-224A
- Die forged
- Scraping tool

Number	B mm	L mm	Be-Cu (g)	Al-Cu (g)
224005	50	200	137	125
224006	100	400	441	397
224007	150	470	900	810

224 Scraper, Halfmoon



- Q/ZBF-224B
- Die forged
- Scraping tool

Number	B mm	L mm	Be-Cu (g)	Al-Cu (g)
224008	100	326	260	235

224 Scraper, Triangular



- Q/ZBF-224C
- Die forged
- Scraping tool

Number	K mm	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
224009	20	300	440	440	396

224 Scraper, Half Round



- Q/ZBF-224D
- Die forged
- Scraping tool

Number	B mm	H mm	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
224010	30	5	300	440	459	410

225 Chisel,Cross



- Q/ZBF-225
- Die forged
- Used for cutting grooves and slots.

Number	S mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
225001	10	130	4	87	79
225002	11	150	4	116	105
225003	12	150	4	146	133
225004	14	150	5	185	168
225005	16	200	6	335	305
225006	17	200	6	410	373
225007	17	300	6	627	570
225008	18	150	6	304	276
225009	18	160	6	324	295
225010	18	200	6	455	414
225011	19	250	7	570	513
225012	20	200	8	486	435
225013	20	250	8	681	620
225014	20	300	8	858	780

225 Chisel,Cross



Number	S mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
225015	20	400	8	1143	1040
225016	22	230	8	776	705
225017	22	250	8	832	756
225018	22	385	8	1305	1187
225019	22	485	8	1652	1502
225020	23	300	9	1044	949
225021	23	350	9	1282	1166
225022	24	250	9	953	866
225023	25	230	10	922	838
225024	25	250	10	1040	945
225025	25	300	10	1155	1050
225026	27	300	10	1444	1313
225027	28	400	10	2079	1890

225 Chisel,Cross Cutting



- DIN6451
- Die forged
- Used for cutting grooves and slots.

Number	B mm	H mm	L mm	Be-Cu (g)	Al-Cu (g)
225028	18	6	140	172	156
225029	18	6	150	178	162
225030	24	7	200	392	356
225031	25	8	300	728	662
225032	25	8	400	1043	948

225 Scraper Pick And Scaler



- Q/ZBF-225B
- Die forged
- Dual-use, one end used to striking the brick and tile and the other end used as a scraper.

Number	B mm	L mm	Be-Cu (g)	Al-Cu (g)
225033	50	300	409	391
225034	75	450	1302	1243

225 Chisel,Flat



- DIN6453
- Die forged
- Used for cutting grooves and slots

Number	B mm	L mm	Be-Cu (g)	Al-Cu (g)
225035	13	150	98	89
225036	13	300	223	203
225037	14	100	100	91
225038	14	150	116	105
225039	14	160	127	116
225040	14	200	152	139
225041	14	300	254	228

225 Chisel,Flat



- DIN6453
- Die forged
- Used for cutting grooves and slots

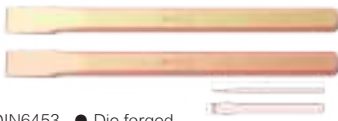
Number	B mm	L mm	Be-Cu (g)	Al-Cu (g)
225042	15	160	162	147
225043	16	160	179	163
225044	17	200	252	227
225045	17	250	282	256
225046	18	150	198	180
225047	18	170	217	197
225048	18	250	368	331
225049	19	150	225	205
225050	19	350	479	436
225051	20	170	266	242
225052	20	200	323	294
225053	20	225	352	320
225054	20	250	389	350

225 Chisel,Flat



Number	B mm	L mm	Be-Cu (g)	Al-Cu (g)
225055	20	500	850	765
225056	22	100	164	149
225057	22	150	251	228
225058	22	200	343	306
225059	22	230	394	355
225060	22	250	432	386
225061	22	300	520	467
225062	22	320	653	593
225063	24	200	423	384
225064	24	240	486	442
225065	24	250	528	480
225066	24	270	547	498
225067	24	300	670	609

225 Chisel, Flat



- DIN6453
- Die forged
- Used for cutting grooves and slots

Number	B mm	L mm	Be-Cu (g)	Al-Cu (g)
225068	25	200	469	426
225069	25	250	619	563
225070	25	300	731	653
225071	26	200	404	368
225072	26	460	1232	1120
225073	27	400	1061	965
225074	27	600	1980	1800
225075	30	350	1140	1037
225076	38	200	855	777
225077	50	300	1523	1370

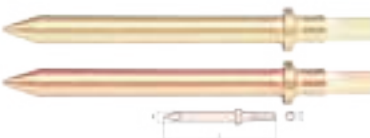
225 Chisel, Flat



- Q/ZBF-225D
- Die forged
- Designed to fit pneumatic tools

Number	B mm	L mm	Be-Cu (g)	Al-Cu (g)
225078	22	150	355	305
225079	22	200	425	375
225080	24	250	575	525
225081	25	300	840	790
225082	27	400	1255	1205

226 Chisel, Pneumatic



- Q/ZBF-226
- Die forged
- Designed to fit pneumatic tools.

Number	S mm	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
226001	10	12	125	116	105
226002	10	12	175	168	143

226 Chisel, Pneumatic



- Q/ZBF-226A
- Die forged
- Designed to fit pneumatic tools.

Number	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
226003	20	300	705	670
226004	24	360	1325	1265
226005	30	455	2460	2232
226006	24	500	1980	1780

226 Chisel, Pneumatic, Round Point



- Q/ZBF-226A
- Die forged
- Designed to fit pneumatic tools.

Number	S mm	D mm	L mm	Be-Cu (g)	Al-Cu (g)
226007	15	17	300	610	550
226008	19	19	500	1240	1120

226 Chisel, Pneumatic, Flat



- Q/ZBF-226C
- Die forged
- Designed to fit pneumatic tools

Number	S mm	B mm	L mm	Be-Cu (g)	Al-Cu (g)
226009	15	17	300	610	550
226010	19	25	500	1240	1120

Insulated Tools Set

7516001



226 Chisel, Pneumatic, Flat



- Q/ZBF-226D
- Die forged
- Designed to fit pneumatic tools

Number	D mm	L mm	d mm	Be-Cu (g)	Al-Cu (g)
226011	14.2	300	10	610	550

226 Chisel, Pneumatic, Round



- Q/ZBF-226E
- Die forged
- Designed to fit pneumatic tools

Number	D mm	L mm	d mm	Be-Cu (g)	Al-Cu (g)
226012	14.2	300	10	610	550

226 Chisel, Pneumatic



- Q/ZBF-226F
- Die forged
- Designed to fit pneumatic tools

Number	d mm	L mm	D mm	Be-Cu (g)	Al-Cu (g)
226013	10	125	12	115	105
226014	10	175	12	155	140
226015	17	245	20	610	560

226 Chisel, Pneumatic With Groove



- Q/ZBF-226G
- Die forged
- Designed to fit pneumatic tools.

Number	d mm	L mm	D mm	Be-Cu (g)	Al-Cu (g)
226016	10	125	12	115	105
226017	10	175	12	155	140

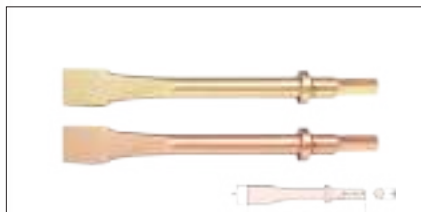
226 Chisel, Pneumatic



- Q/ZBF-226
- Die forged
- Designed to fit pneumatic tools.

Number	S inch	D inch	L inch	Be-Cu (g)	Al-Cu (g)
226018	1	1-1/8	16	2183	1985

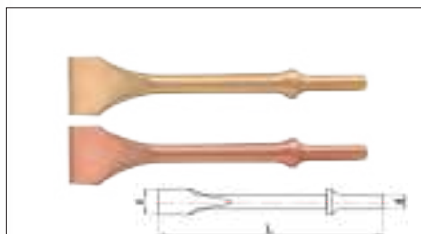
227 Chisel, Pneumatic



- Q/ZBF-227
- Die forged
- Designed to fit pneumatic tools

Number	S mm	B mm	H mm	L mm	Be-Cu (g)	Al-Cu (g)
227001	10	20	2	125	110	105
227002	10	20	2	175	160	152
227003	10	40	2	175	210	190
227004	10	70	2	175	295	265

227 Chisel, Pneumatic



- Q/ZBF-227
- Die forged
- Designed to fit pneumatic tools

Number	d mm	B mm	L mm	Be-Cu (g)	Al-Cu (g)
227005	10	20	125	115	105
227006	10	30	125	135	120
227007	10	35	125	150	135
227008	10	40	125	170	155
227009	10	20	175	155	140
227010	10	30	175	175	160
227011	10	35	175	190	170
227012	10	40	175	210	190
227013	10	20	200	180	160
227014	10	30	200	200	180
227015	10	35	200	215	195
227016	10	40	200	235	210

227 Chisel, Pneumatic with Groove



- Q/ZBF-227
- Die forged
- Designed to fit pneumatic tools

Number	d mm	L mm	B mm	Be-Cu (g)	Al-Cu (g)
227017	10	125	20	115	105
227018	10	175	20	155	140

227 Chisel, Pneumatic



- Q/ZBF-227
- Die forged
- Designed to fit pneumatic tools

Number	S mm	L mm	B mm	Be-Cu (g)	Al-Cu (g)
227019	13	176	30	300	270
227020	13	176	40	335	300
227021	13	176	60	365	330
227022	13	176	100	515	465

227 Chisel, Pneumatic



- Q/ZBF-227
- Die forged
- Designed to fit pneumatic tools

Number	S mm	L mm	B mm	Be-Cu (g)	Al-Cu (g)
227023	22	466	25	1575	1415
227024	22	466	75	1890	1700
227025	19	400	70	1359	1297
227026	19	400	75	1304	1244

227 Chisel, Pneumatic



- Q/ZBF-227
- Die forged
- Designed to fit pneumatic tools

Number	S mm	L mm	B mm	Be-Cu (g)	Al-Cu (g)
227027	22	338	75	1470	1340
227028	25	378	180	3900	3510

227 Chisel, Pneumatic



- Q/ZBF-227
- Die forged
- Designed to fit pneumatic tools

Number	S mm	L mm	B mm	Be-Cu (g)	Al-Cu (g)
227029	22	375	28	1400	1280

228 Chisel, Pneumatic

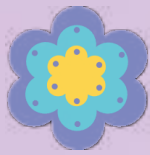


Number	S mm	B mm	L mm	Be-Cu (g)	Al-Cu (g)
228001	10	20	125	152	117
228002	10	20	175	190	171



S类

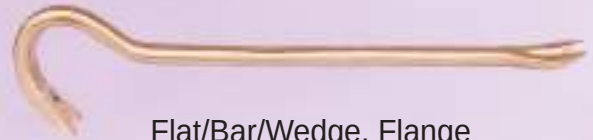
Rawhide Hammer



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Flat/Bar/Wedge, Flange



Flat/Bar/Wedge, Flange



Safety Tools



Punch \ Chisel \ Bar P139-P154 ⑮ 228003-241001

228 Chisel, Pneumatic with Groove



- Q/ZBF-228
- Die forged
- Designed to fit pneumatic tools

Number	d mm	B mm	L mm	Be-Cu g	Al-Cu g
228003	10	20	125	115	105
228004	10	20	175	155	140

228 Chisel, Pneumatic



- Q/ZBF-228
- Die forged
- Designed to fit pneumatic tools

Number	C inch	B mm	L mm	Be-Cu g	Al-Cu g
228005	1/2	30	155	205	185

229 Chisel, Pneumatic



- Q/ZBF-229
- Die forged
- Designed to fit pneumatic tools.

Number	S mm	B mm	H mm	L mm	Be-Cu (g)	Al-Cu (g)
229001	10	20	2	125	110	99
229002	10	20	2	175	160	144

230 Chisel, Pneumatic



- Q/ZBF-230
- Die forged
- Designed to fit pneumatic tools

Number	S mm	B mm	H mm	L mm	Be-Cu (g)	Al-Cu (g)
230001	10	20	2	125	127	112
230002	10	20	2	175	178	160

231 Chisel, Flat



- Q/ZBF-231
- Die forged
- Cutting tool matched with mallet or hammer

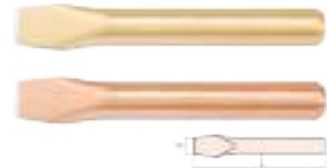
Number	Φ mm	B mm	L mm	Be-Cu (g)	Al-Cu (g)
231001	10	12	100	65	59
231002	10	12	150	92	84
231003	10	12	160	104	95
231004	10	12	200	129	118
231005	11	13	300	281	255
231006	12	14	80	74	66
231007	12	14	100	83	75
231008	12	14	125	111	101
231009	12	14	130	116	105
231010	12	14	150	131	119
231011	12	14	160	140	127
231012	12	14	200	189	170
231013	14	16	125	148	134
231014	14	16	140	165	150
231015	14	16	150	191	173
231016	14	16	160	202	181

231 Chisel, Flat



Number	Φ mm	B mm	L mm	Be-Cu (g)	Al-Cu (g)
231017	14	16	200	292	265
231018	14	16	250	315	287
231019	14	16	300	390	354
231020	15	17	150	220	200
231021	15	17	160	230	209
231022	15	17	165	235	214
231023	15	17	190	275	250
231024	15	17	200	290	264
231025	15	17	500	736	669
231026	16	18	80	120	109
231027	16	18	150	225	205
231028	16	18	160	265	241
231029	16	18	165	275	250
231030	16	18	180	285	259

231 Chisel, Flat



- Q/ZBF-231
- Die forged
- Cutting tool matched with mallet or hammer

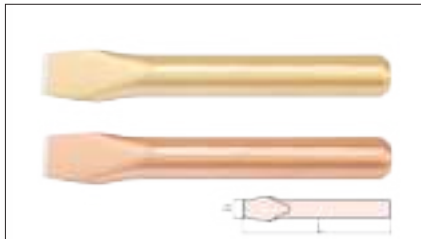
Number	Φ mm	B mm	L mm	Be-Cu (g)	Al-Cu (g)
231031	16	18	200	326	293
231032	16	18	230	374	340
231033	16	18	250	416	378
231034	16	18	300	490	445
231035	16	18	600	979	890
231036	17	19	180	323	294
231037	17	19	250	467	424
231038	17	19	300	566	515
231039	18	20	135	280	255
231040	18	20	150	297	270
231041	18	20	160	330	300
231042	18	20	180	358	326
231043	18	20	195	380	340
231044	18	20	200	420	382
231045	18	20	250	514	467
231046	18	20	300	601	546

231 Chisel, Flat



Number	Φ mm	B mm	L mm	Be-Cu (g)	Al-Cu (g)
231047	19	21	150	312	284
231048	19	21	180	407	370
231049	19	21	200	445	404
231050	19	21	250	578	525
231051	19	21	300	693	630
231052	20	22	150	354	320
231053	20	22	160	372	338
231054	20	22	170	404	368
231055	20	22	180	425	385
231056	20	22	200	473	430
231057	20	22	250	591	532
231058	20	22	300	710	640
231059	20	22	400	946	851
231060	20	22	500	1183	1064

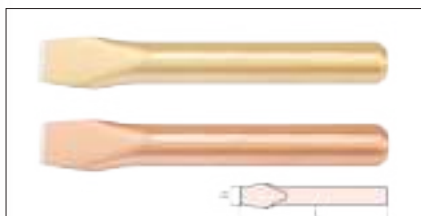
231 Chisel, Flat



- Q/ZBF-231
- Die forged
- Cutting tool matched with mallet or hammer

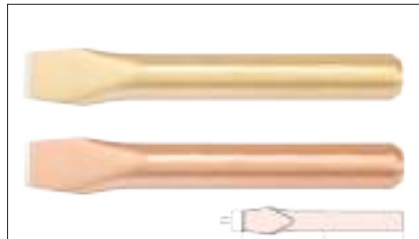
Number	Φ mm	B mm	L mm	Be-Cu (g)	Al-Cu (g)
231061	20	22	600	1584	1440
231062	21	23	200	562	511
231063	21	23	300	843	767
231064	22	24	150	518	466
231065	22	24	175	605	544
231066	22	24	180	622	560
231067	22	24	200	691	622
231068	22	24	220	760	684
231069	22	24	250	864	777
231070	22	24	300	1037	933
231071	22	24	350	1209	1088
231072	22	24	385	1330	1197
231073	22	24	400	1382	1243
231074	22	24	485	1675	1508
231075	22	24	500	1726	1554

231 Chisel, Flat



Number	Φ mm	B mm	L mm	Be-Cu (g)	Al-Cu (g)
231076	22	24	600	1887	1715
231077	23	25	250	800	728
231078	23	25	800	2761	2510
231079	24	26	200	694	624
231080	24	26	240	833	749
231081	24	26	250	868	775
231082	24	26	300	1041	937
231083	24	26	420	1457	1312
231084	24	26	500	1736	1562
231085	25	27	180	676	614
231086	25	27	200	723	650
231087	25	27	230	831	747
231088	25	27	240	874	780

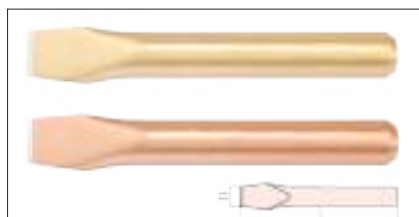
231 Chisel, Flat



- Q/ZBF-231
- Die forged
- Cutting tool matched with mallet or hammer

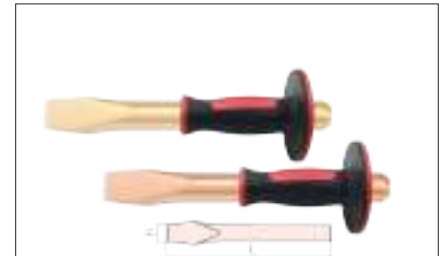
Number	Φ mm	B mm	L mm	Be-Cu (g)	Al-Cu (g)
231089	25	27	250	1038	934
231090	25	27	265	1100	990
231091	25	27	300	1245	1121
231092	25	27	350	1453	1307
231093	25	27	400	1660	1494
231094	25	27	500	2075	1868
231095	25	27	600	2490	2241
231096	26	28	400	1726	1553
231097	26	28	450	1941	1747
231098	27	29	180	807	726
231099	27	29	200	896	806
231100	27	29	250	1120	1008
231101	27	29	300	1345	1210
231102	27	29	400	1793	1613

231 Chisel, Flat



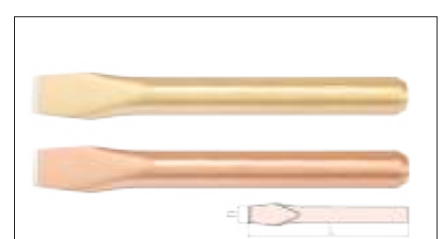
Number	Φ mm	B mm	L mm	Be-Cu (g)	Al-Cu (g)
231103	27	29	600	2853	2594
231104	28	30	150	666	606
231105	28	30	300	1499	1363
231106	30	32	180	1026	923
231107	30	32	200	1140	1026
231108	30	32	250	1425	1283
231109	30	32	280	1596	1436
231110	30	32	300	1710	1539
231111	30	32	400	2280	2052
231112	30	32	500	2850	2565
231113	31	33	500	3100	2818
231114	35	37	200	1588	1443
231115	40	42	400	3777	3434
231116	40	42	500	4978	4526

231 Chisel, Flat With Sheath



Number	Φ mm	B mm	L mm	Be-Cu (g)	Al-Cu (g)
231117	14	16	160	320	288
231118	16	18	160	377	340
231119	18	20	160	428	385
231120	18	20	200	530	477
231121	20	22	200	612	551
231122	24	26	250	1040	936
231123	24	26	300	1346	1212
231124	25	27	300	1367	1230
231125	25	27	400	1723	1551
231126	25	27	500	2122	1903
231127	30	32	500	3029	2726

231 Chisel, Flat, Inch



- Q/ZBF-231
- Die forged
- Cutting tool matched with mallet or hammer

Number	Φ inch	B inch	L inch	Be-Cu (g)	Al-Cu (g)
231128	1/2	1/2	6	165	150
231129	5/8	5/8	8	306	292
231130	7/8	7/8	9	656	626

533001 Safety Tools Set 100Pcs



232 Chisel Hex/6 Point



- DIN 7254
- Die forged
- Cutting tool, hexagon shaft.

Number	S mm	B mm	L mm	Be-Cu (g)	Al-Cu (g)
232001	8	10	150	68	62
232002	8	10	160	90	81
232003	10	12	140	90	85
232004	10	12	150	105	96
232005	11	13	150	116	104
232006	12	14	100	96	87
232007	12	14	150	126	113
232008	12	14	160	134	121
232009	12	14	200	168	151
232010	12	14	210	176	159
232011	12	14	300	251	226
232012	13	15	100	104	94
232013	13	15	150	137	129
232014	14	16	150	148	133
232015	14	16	160	158	142
232016	14	16	170	168	151
232017	14	16	200	198	178
232018	14	16	250	248	223

232 Chisel Hex/6 Point



- DIN 7254
- Die forged
- Cutting tool, hexagon shaft.

Number	S mm	B mm	L mm	Be-Cu (g)	Al-Cu (g)
232029	17	19	155	315	284
232030	17	19	160	325	295
232031	17	19	170	336	306
232032	17	19	175	342	311
232033	17	19	180	350	318
232034	17	19	200	395	359
232035	17	19	230	462	416
232036	17	19	240	460	418
232037	17	19	250	504	459
232038	17	19	300	583	530
232039	17	19	350	720	655
232040	18	20	150	326	273
232041	18	20	160	348	316
232042	18	20	175	404	368
232043	18	20	180	410	373
232044	18	20	200	439	399
232045	19	21	200	492	447
232046	19	21	205	476	433

232 Chisel Hex/6 Point



- DIN 7254
- Die forged
- Cutting tool, hexagon shaft.

Number	S mm	B mm	L mm	Be-Cu (g)	Al-Cu (g)
232056	20	22	230	660	600
232057	20	22	250	691	628
232058	20	22	300	845	769
232059	20	22	350	979	890
232060	20	22	600	1795	1632
232061	21	23	200	601	546
232062	21	23	800	2500	2273
232063	22	24	150	516	464
232064	22	24	175	602	541
232065	22	24	200	688	618
232066	22	24	240	825	743
232067	22	24	250	851	774
232068	22	24	600	2063	1876
232069	23	25	215	772	695
232070	23	25	230	826	743
232071	23	25	250	898	808
232072	23	25	400	1438	1295

232 Chisel Hex/6 Point



Number	S mm	B mm	L mm	Be-Cu (g)	Al-Cu (g)
232019	14	16	260	258	232
232020	14	16	400	397	357
232021	15	17	150	159	143
232022	15	17	180	191	172
232023	15	17	200	212	191
232024	16	18	150	170	153
232025	16	18	160	181	163
232026	16	18	180	204	183
232027	16	18	200	227	204
232028	16	18	250	284	255

232 Chisel Hex/6 Point



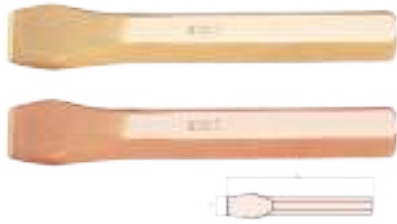
Number	S mm	B mm	L mm	Be-Cu (g)	Al-Cu (g)
232047	19	21	240	605	545
232048	19	21	250	630	573
232049	19	21	400	1030	936
232050	20	22	100	280	255
232051	20	22	150	380	345
232052	20	22	170	462	336
232053	20	22	180	483	336
232054	20	22	200	539	490
232055	20	22	220	595	541

232 Chisel Hex/6 Point



Number	S mm	B mm	L mm	Be-Cu (g)	Al-Cu (g)
232073	23	25	600	2157	1941
232074	24	26	180	675	607
232075	24	26	220	825	742
232076	24	26	240	900	810
232077	24	26	250	937	843
232078	24	26	300	1124	1012
232079	24	26	600	2249	2024
232080	25	27	150	585	527
232081	25	27	180	703	632
232082	25	27	200	781	703

232 Chisel Hex/6 Point



- DIN 7254
- Die forged
- Cutting tool, hexagon shaft.

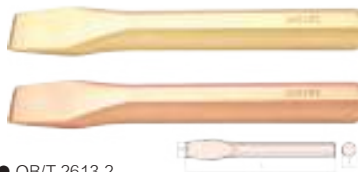
Number	S mm	B mm	L mm	Be-Cu (g)	Al-Cu (g)
232083	25	27	240	988	898
232084	25	27	250	1068	971
232085	25	27	260	1087	988
232086	25	27	300	1280	1163
232087	27	29	250	1712	1540
232088	27	29	300	1513	1376
232089	27	29	350	1546	1475
232090	27	29	400	1975	1796
232091	30	32	300	1809	1644
232092	30	32	500	3043	2767
232093	35	37	300	3066	2759

232 Chisel Hex/6 Point



Number	S mm	B mm	L mm	Be-Cu (g)	Al-Cu (g)
232094	10	12	150	267	242
232095	14	16	200	435	395
232096	16	18	160	445	405
232097	14	16	250	503	457
232098	17	19	300	749	681
232099	17	19	350	1003	953
232100	22	24	600	2224	2022
232101	25	28	300	1517	1379
232102	30	35	500	3185	2866

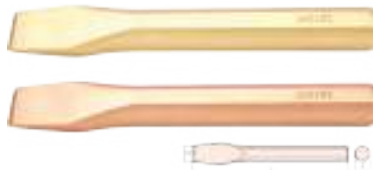
233 Chisel 8 Point



- QB/T 2613.2
- Die forged
- Cutting tool, octagon shaft.

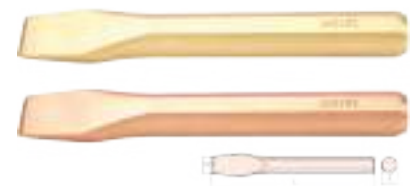
Number	S mm	B mm	L mm	Be-Cu (g)	Al-Cu (g)
233001	10	12	150	96	87
233002	13	15	160	182	164
233003	14	16	125	150	136
233004	14	16	150	185	168
233005	14	16	160	196	178
233006	14	16	250	302	275
233007	14	16	260	318	287
233008	15	17	150	198	178
233009	16	18	150	211	191
233010	16	18	155	240	216
233011	16	18	160	248	226
233012	16	18	180	288	262

233 Chisel 8 Point



Number	S mm	B mm	L mm	Be-Cu (g)	Al-Cu (g)
233013	17	19	150	306	278
233014	17	19	180	347	315
233015	17	19	300	578	525
233016	18	20	180	381	347
233017	18	20	200	410	373
233018	18	20	400	815	741
233019	19	21	180	417	379
233020	19	21	200	482	439
233021	19	21	300	723	650
233022	20	22	150	370	336
233023	20	22	170	439	399
233024	20	22	200	507	456
233025	20	22	225	578	525
233026	20	22	300	762	693
233027	22	24	150	462	420

233 Chisel 8 Point



- QB/T 2613.2
- Die forged
- Cutting tool, octagon shaft.

Number	S mm	B mm	L mm	Be-Cu (g)	Al-Cu (g)
233028	22	24	155	485	437
233029	22	24	200	642	583
233030	22	24	220	706	636
233031	22	24	250	803	730
233032	23	25	200	658	599
233033	24	26	200	699	635
233034	24	26	250	872	792
233035	24	26	300	1046	942
233036	24	26	500	1727	1569
233037	25	27	180	728	656
233038	25	27	200	785	714
233039	25	27	230	902	812
233040	25	27	250	976	887
233041	25	27	300	1165	1060
233042	27	29	200	907	824
233043	27	29	400	1831	1664
233044	30	32	300	1398	1258
233045	30	32	400	2452	1678
233046	40	42	500	4086	3715

233 Chisel, Diamond Point



- Q/ZBF-233A
- Die forged
- Diamond-shaped cutting face for cutting V grooves or sharp internal corners

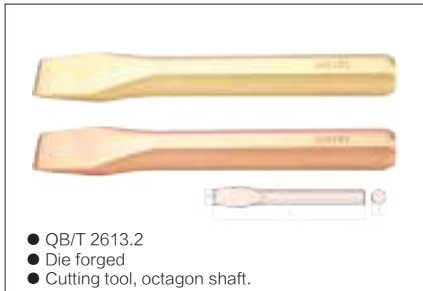
Number	S mm	B mm	L mm	Be-Cu (g)	Al-Cu (g)
233047	20	13	200	554	504
233048	20	15	250	693	623
233049	22	17	300	993	903
233050	24	18	350	1204	1090
233051	25	20	400	1861	1702

233 Chisel 8 Point



Number	S mm	B mm	L mm	Be-Cu (g)	Al-Cu (g)
233052	14	14	160	357	324
233053	16	16	160	407	370
233054	19	19	180	578	525
233055	19	19	200	643	584
233056	22	22	200	802	729
233057	24	24	250	1049	954
233058	24	24	300	1271	1156
233059	27	27	400	1991	1810
233060	30	30	300	1877	1706

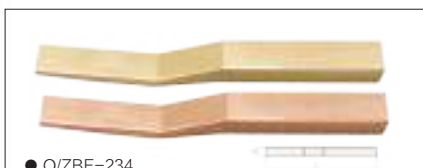
233 Chisel 8 Point, Inch



- QB/T 2613.2
- Die forged
- Cutting tool, octagon shaft.

Number	S inch	B inch	L inch	Be-Cu (g)	Al-Cu (g)
233061	3/4	3/4	6	341	310
233062	1/16	1/16	9-1/8	433	394

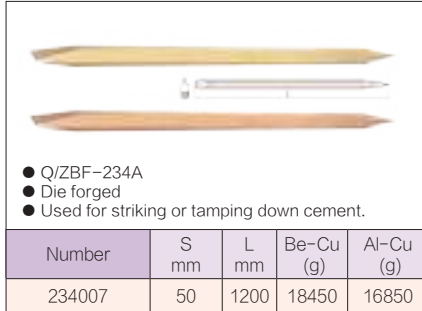
234 Caulking Tool



- Q/ZBF-234
- Die forged
- Used to seal joints or seams

Number	B mm	H mm	L mm	Be-Cu (g)	Al-Cu (g)
234001	20	5	200	522	474
234002	25	6	150	598	544
234003	19	6	200	635	578
234004	20	8	250	628	571
234005	25	7	170	670	609
234006	25	8	200	814	740

234 Caulking Tool



- Q/ZBF-234A
- Die forged
- Used for striking or tamping down cement.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
234007	50	1200	18450	16850

235 Wedge, Flange



- Q/ZBF-235
- Die forged
- Used to lever up equipments.

Number	L mm	B mm	H mm	Be-Cu (g)	Al-Cu (g)
235001	50	25	8	50	45
235002	50	50	12	162	147
235003	60	30	8	75	68
235004	75	20	30	208	189
235005	75	40	20	283	257
235006	75	50	12	217	197
235007	80	13	6	28	26
235008	80	15	6	37	34
235009	80	20	30	208	189
235010	80	30	15	211	192
235011	80	50	13	248	226
235012	80	60	30	676	614
235013	81	50	6	135	123
235014	81	50	16	301	274
235015	81	51	19	360	328
235016	82	50	19	348	316
235017	90	15	30	180	164
235018	90	30	15	190	173
235019	90	50	10	230	209
235020	100	19	13	114	104
235021	100	20	15	146	132
235022	100	25	20	238	216
235023	100	30	10	150	136
235024	100	30	40	543	494
235025	100	40	50	860	782
235026	100	50	10	241	219
235027	100	50	13	327	297
235028	100	50	15	352	320

235 Wedge, Flange



- Q/ZBF-235
- Die forged
- Used to lever up equipments.

Number	L mm	B mm	H mm	Be-Cu (g)	Al-Cu (g)
235029	100	50	40	889	809
235030	100	60	10	295	268
235031	100	80	30	1103	1003
235032	102	40	10	195	177
235033	103	19	13	122	111
235034	105	19	13	125	114
235035	110	40	20	420	382
235036	120	40	15	322	293
235037	120	70	15	630	567
235038	125	31	22	382	347
235039	125	40	35	767	697
235040	130	30	15	268	244
235041	135	50	18	549	499
235042	140	35	30	650	591

235 Wedge, Flange



Number	L mm	B mm	H mm	Be-Cu (g)	Al-Cu (g)
235043	140	90	20	1150	1045
235044	150	23	8	134	120
235045	150	13	23	208	189
235046	150	23	13	216	196
235047	150	25	8	146	133
235048	150	25	13	224	204
235049	150	25	20	358	326
235050	150	30	13	273	248
235051	150	30	30	643	585
235052	150	32	13	297	270
235053	150	38	19	543	494
235054	150	40	8	241	219
235055	150	40	10	282	256

235 Wedge, Flange



- Q/ZBF-235
- Die forged
- Used to lever up equipments.

Number	L mm	B mm	H mm	Be-Cu (g)	Al-Cu (g)
235056	150	40	13	378	344
235057	150	40	50	1328	1208
235058	150	50	8	276	248
235059	150	50	10	342	310
235060	150	50	12	410	369
235061	150	50	13	449	408
235062	150	50	15	518	466
235063	150	50	18	615	559
235064	150	50	19	650	584
235065	150	50	25	849	769
235066	150	50	30	1015	914
235067	150	50	40	1340	1218
235068	152	32	13	298	271
235069	152	38	19	490	445
235070	152	50	19	654	594

235 Wedge, Flange



Number	L mm	B mm	H mm	Be-Cu (g)	Al-Cu (g)
235071	152	51	19	676	614
235072	180	13	6	87	79
235073	180	23	15	213	193
235074	180	32	13	347	315
235075	180	32	19	520	473
235076	180	43	30	1040	945
235077	180	45	32	1222	1111
235078	180	50	10	446	405
235079	180	50	13	550	500
235080	180	50	18	760	691

235 Wedge, Flange



- Q/ZBF-235
- Die forged
- Used to lever up equipments.

Number	L mm	B mm	H mm	Be-Cu (g)	Al-Cu (g)
235081	180	50	19	750	683
235082	180	50	20	790	710
235083	180	50	30	1175	1068
235084	180	90	19	1350	1215
235085	190	50	20	867	788
235086	200	20	20	340	306
235087	200	20	30	511	464
235088	200	25	25	560	509
235089	200	25	30	638	574
235090	200	25	40	843	766
235091	200	30	20	540	486
235092	200	30	30	811	737
235093	200	35	40	1180	1060
235094	200	38	19	640	582
235095	200	38	25	851	766
235096	200	38	41	1386	1260

235 Wedge, Flange



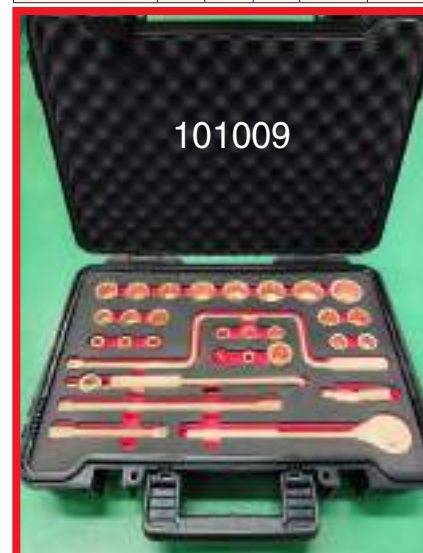
Number	L mm	B mm	H mm	Be-Cu (g)	Al-Cu (g)
235097	200	40	25	840	763
235098	200	40	30	1018	916
235099	200	40	40	1358	1235
235100	200	50	12	591	538
235101	200	50	13	639	581
235102	200	50	19	935	842
235103	200	50	25	1218	1108
235104	200	50	50	2436	2216
235105	200	51	13	670	609
235106	200	80	8	660	600
235107	200	80	10	800	727
235108	200	80	12	930	845

235 Wedge, Flange



- Q/ZBF-235
- Die forged
- Used to lever up equipments.

Number	L mm	B mm	H mm	Be-Cu (g)	Al-Cu (g)
235109	200	80	16	1247	1134
235110	200	100	12	1238	1126
235111	200	100	20	1813	1649
235112	203	41	38	1401	1274
235113	203	51	19	922	838
235114	215	50	32	1600	1454
235115	229	38	19	746	678
235116	230	20	20	419	381
235117	230	38	19	765	695
235118	230	40	19	797	725
235119	230	40	20	802	729
235120	230	41	20	968	880
235121	240	40	40	1721	1565
235122	240	50	50	2590	2355
235123	250	25	25	768	698
235124	250	40	20	911	828
235125	250	40	30	1223	1112
235126	250	50	34	1929	1754
235127	250	54	12	785	714
235128	300	40	30	1733	1575
235129	300	40	40	2090	1900
235130	300	50	40	2569	2336
235131	300	50	50	3230	2936
235132	400	50	40	3480	3164



235 Wedge, Flange, Inch



- Q/ZBF-235
- Die forged
- Used to lever up equipments.

Number	L inch	B inch	H inch	Be-Cu (g)	Al-Cu (g)
235133	4	3/4	1/2	124	112
235134	4	2	1	581	528
235135	5	2	1	747	679
235136	6	1	1/2	265	239
235137	6	1-1/2	3/8	286	260
235138	6	1-1/2	3/4	508	462
235139	6	2	1/2	450	410
235140	6	2	1	903	821
235141	6	2	1-1/4	1103	1003
235142	7	1	3/4	395	359
235143	7	1	1	509	463
235144	7	1-1/4	1/2	349	317
235145	7	2	3/8	450	410
235146	7	2	3/4	819	744
235147	7	2	1	1040	945
235148	7	3	1-1/4	1972	1792

235 Wedge, Flange, Inch



Number	L inch	B inch	H inch	Be-Cu (g)	Al-Cu (g)
235149	8	1-1/2	3/4	696	633
235150	8	1-1/2	1	886	806
235151	8	1-1/2	1-5/8	1453	1321
235152	8	2	1/2	680	618
235153	8	2	3/4	856	778
235154	8	2	1	1250	1136
235155	8	2	1-1/4	1484	1349
235156	8	2-1/2	1	1587	1443
235157	8-1/2	2	1-1/4	1582	1438
235158	8-1/2	3	1-1/4	2426	2205
235159	9	1-3/4	2	2300	2091
235160	9-1/2	2-3/4	1-7/8	3690	3355
235161	11	7/8	7/8	693	630

235 Wedge, Flange, Trapezoid



- Q/ZBF-235
- Die forged
- Used to lever up equipments.

Number	L mm	B mm	H mm	Be-Cu (g)	Al-Cu (g)
235162	330	25	40	1073	1024
235163	380	40	50	1931	1843

236 Punch, Center



- Q/ZBF-236
- Die forged
- Used to mark the centre of a hole when drilling holes.

Number	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
236001	3	100	6	5
236002	4	100	11	10
236003	4	110	11	10
236004	5	125	20	18
236005	6	100	26	24
236006	6	110	29	26
236007	6	150	34	31
236008	8	100	42	38
236009	9	80	43	39
236010	10	100	60	55
236011	10	115	72	65
236012	12	100	90	82
236013	12	150	132	120
236014	12	300	269	245
236015	13	125	133	121
236016	13	150	148	135
236017	16	100	151	138
236018	16	125	183	166
236019	16	150	230	209
236020	16	180	295	268
236021	16	200	307	279
236022	18	160	315	284
236023	18	175	362	329

236 Punch, Center



- Q/ZBF-236
- Die forged
- Used to mark the centre of a hole when drilling holes.

Number	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
236024	18	180	362	329
236025	18	200	410	372
236026	18	250	524	477
236027	18	300	600	546
236028	18	400	819	745
236029	20	200	504	458
236030	20	300	778	708
236031	20	400	1050	954
236032	20	500	1279	1163
236033	25	300	1190	1082
236034	25	400	1618	1471
236035	25	500	2025	1841
236036	27	200	864	785
236037	27	250	1093	994
236038	30	500	2934	2667

236 Punch, Center, 6 Point



- Q/ZBF-236
- Die forged
- Used to mark the centre of a hole when drilling holes.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
236039	12	100	86	78
236040	14	110	123	112



237 Bar

- TB 1517
- Die forged
- Used for prying, moving, rolling, or lifting heavy objects.



Number	B mm	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
237001	11	10	500	320	291
237002	11	10	600	407	370
237003	13	12	500	477	429
237004	13	12	600	554	504
237005	13	12	1000	858	772
237006	14	13	300	341	310
237007	14	13	500	529	481
237008	14	13	800	899	817
237009	15	14	300	384	349
237010	15	14	400	519	471
237011	15	14	500	648	589
237012	15	14	600	754	685
237013	15	14	800	1037	933
237014	15	14	1000	1283	1166

237 Bar

- TB 1517
- Die forged
- Used for prying, moving, rolling, or lifting heavy objects.



Number	B mm	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
237026	18	16	165	278	250
237027	18	16	300	505	459
237028	18	16	400	647	588
237029	18	16	455	742	674
237030	18	16	500	805	732
237031	18	16	600	965	877
237032	18	16	700	1167	1061
237033	18	16	800	1318	1198
237034	18	16	900	1567	1425
237035	18	16	1000	1683	1515
237036	19	17	400	843	766
237037	19	17	500	1054	948
237038	20	18	300	627	570

237 Bar

- TB 1517
- Die forged
- Used for prying, moving, rolling, or lifting heavy objects.



Number	B mm	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
237050	21	19	400	1006	915
237051	21	19	450	1062	965
237052	21	19	500	1139	1035
237053	21	19	600	1366	1230
237054	22	20	200	508	462
237055	22	20	300	761	692
237056	22	20	350	912	830
237057	22	20	400	1030	937
237058	22	20	445	1087	988
237059	22	20	450	1110	999
237060	22	20	500	1234	1122
237061	22	20	600	1503	1366
237062	22	20	700	1834	1667

237 Bar

- TB 1517
- Die forged
- Used for prying, moving, rolling, or lifting heavy objects.



Number	B mm	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
237015	17	15	200	295	268
237016	17	15	250	368	331
237017	17	15	300	437	397
237018	17	15	350	494	449
237019	17	15	400	619	563
237020	17	15	450	646	581
237021	17	15	455	647	588
237022	17	15	500	718	653
237023	17	15	600	897	816
237024	17	15	700	1005	905
237025	17	15	800	1137	1033

237 Bar

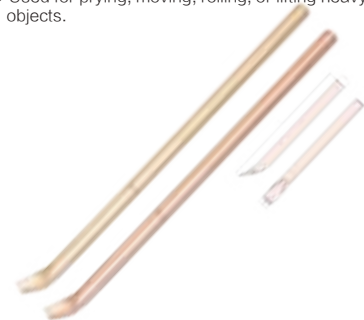
- TB 1517
- Die forged
- Used for prying, moving, rolling, or lifting heavy objects.



Number	B mm	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
237039	20	18	400	824	749
237040	20	18	450	953	866
237041	20	18	500	1073	975
237042	20	18	600	1224	1113
237043	20	18	700	1438	1307
237044	20	18	750	1617	1470
237045	20	18	800	1709	1554
237046	20	18	1000	1970	1791
237047	20	18	1200	2577	2343
237048	20	18	1500	3363	3057
237049	21	19	300	765	695

237 Bar

- TB 1517
- Die forged
- Used for prying, moving, rolling, or lifting heavy objects.



Number	B mm	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
237063	22	20	750	1851	1666
237064	22	20	800	1956	1778
237065	22	20	900	2198	1979
237066	22	20	1000	2598	2361
237067	22	20	1140	2757	2506
237068	22	20	1200	2932	2665
237069	22	20	1500	3700	3330
237070	23	20	800	1957	1779
237071	24	22	300	946	860
237072	24	22	400	1281	1164

237 Bar

- TB 1517
- Die forged
- Used for prying, moving, rolling, or lifting heavy objects.



Number	B mm	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
237073	24	22	450	1470	1323
237074	24	22	500	1535	1395
237075	24	22	550	1688	1520
237076	24	22	600	1823	1657
237077	24	22	700	2127	1915
237078	24	22	750	2475	2250
237079	24	22	800	2640	2376
237080	24	22	900	2940	2673
237081	24	22	1000	3025	2750
237082	24	22	1200	3709	3372
237083	25	23	300	1051	956
237084	25	23	400	1418	1289
237085	25	23	500	2008	1826
237086	25	23	600	2142	1947

237 Bar

- TB 1517
- Die forged
- Used for prying, moving, rolling, or lifting heavy objects.



Number	B mm	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
237087	25	23	700	2432	2211
237088	25	23	800	3120	2810
237089	25	23	900	3510	3160
237090	25	23	1000	3882	3529
237091	25	23	1200	4896	4406
237092	25	23	1500	5850	5265
237093	26	24	300	1073	975
237094	26	24	500	1823	1657
237095	26	24	600	2210	2009

237 Bar

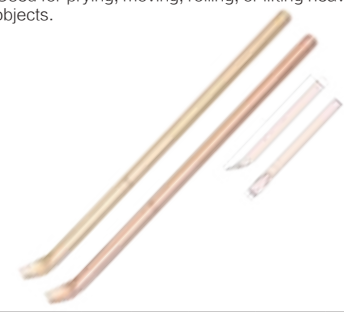
- TB 1517
- Die forged
- Used for prying, moving, rolling, or lifting heavy objects.



Number	B mm	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
237096	26	24	700	2503	2253
237097	26	24	800	2832	2575
237098	26	24	900	3186	2868
237099	26	24	1000	3505	3186
237100	26	24	1500	5258	4732
237101	28	25	250	909	826
237102	28	25	300	1091	992
237103	28	25	350	1304	1185
237104	28	25	400	1600	1454
237105	28	25	450	1783	1621
237106	28	25	500	1969	1790
237107	28	25	600	2363	2127
237108	28	25	650	2560	2304

237 Bar

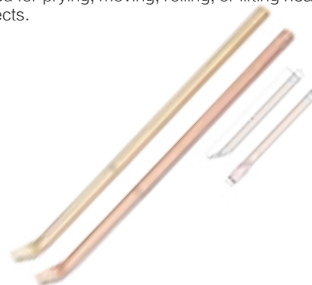
- TB 1517
- Die forged
- Used for prying, moving, rolling, or lifting heavy objects.



Number	B mm	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
237109	28	25	700	2757	2481
237110	28	25	750	2954	2658
237111	28	25	800	3150	2835
237112	28	25	900	3544	3190
237113	28	25	980	3859	3473
237114	28	25	1000	3938	3544
237115	28	25	1100	4332	3899
237116	28	25	1200	4726	4253
237117	28	25	1500	5907	5316
237118	28	25	1800	7088	6380
237119	29	26	800	3442	3129

237 Bar

- TB 1517
- Die forged
- Used for prying, moving, rolling, or lifting heavy objects.



Number	B mm	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
237120	29	26	900	3939	3581
237121	29	26	1000	4449	4045
237122	29	26	1200	5311	4828
237123	29	26	1500	7257	6597
237124	30	27	400	2100	1890
237125	30	27	500	2625	2363
237126	30	27	600	3150	2835
237127	30	27	800	4200	3780
237128	30	27	850	4465	4018
237129	30	27	1000	5250	4725
237130	30	27	1200	6300	5670
237131	30	27	1500	6825	6142
237132	31	28	400	2177	1959
237133	31	28	500	2558	2326
237134	31	28	600	3100	2818
237135	31	28	700	3603	3275
237136	31	28	800	4097	3724

237 Bar

- TB 1517
- Die forged
- Used for prying, moving, rolling, or lifting heavy objects.



Number	B mm	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
237137	31	28	900	4515	4064
237138	31	28	1000	4821	4383
237139	31	28	1200	6208	5644
237140	31	28	1400	6749	6075
237141	31	28	1500	7159	6508
237142	33	30	250	1424	1295
237143	33	30	300	1632	1484
237144	33	30	400	2261	2056
237145	33	30	500	2715	2468
237146	33	30	600	3512	3193
237147	33	30	650	3804	3425

237 Bar

- TB 1517
- Die forged
- Used for prying, moving, rolling, or lifting heavy objects.



Number	B mm	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
237148	33	30	700	4056	3687
237149	33	30	800	4454	4049
237150	33	30	850	4795	4315
237151	33	30	900	5010	4509
237152	33	30	1000	5610	5100
237153	33	30	1100	6170	5553
237154	33	30	1200	6987	6326
237155	33	30	1500	8659	7872
237156	33	30	1600	9165	8332
237157	33	30	1800	10345	9405
237158	33	30	1900	10920	9928
237159	33	30	2000	11494	10449
237160	33	30	2500	14368	13061
237161	34	31	400	3219	2926
237162	34	31	500	3985	3623
237163	34	31	800	6438	5794

237 Bar

- TB 1517
- Die forged
- Used for prying, moving, rolling, or lifting heavy objects.



Number	B mm	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
237164	34	31	1200	9450	8505
237165	34	31	1500	11800	10630
237166	35	32	500	4115	3702
237167	37	34	800	6825	6143
237168	37	34	1000	7875	7088
237169	39	36	1000	10575	9614
237170	39	36	1200	12674	11406
237171	39	36	1500	15497	14088
237172	43	40	500	5271	4792

237 Bar,Pinch

- Q/ZBF-237A
- Die forged
- Used for prying, moving, rolling, or lifting heavy objects.
- One end of the bar is tapered to a point.



Number	B mm	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
237173	13	12	400	360	327
237174	13	12	500	448	407
237175	13	12	600	564	512
237176	15	14	400	486	442
237177	15	14	500	608	546
237178	15	14	700	924	840
237179	16	15	200	315	284
237180	16	15	250	336	305
237181	16	15	300	417	379
237182	16	15	350	448	412
237183	16	15	375	495	450
237184	16	15	400	568	517
237185	16	15	450	640	582
237186	16	15	455	683	614
237187	16	15	500	679	617
237188	16	15	600	879	799

237 Bar,Pinch

- Q/ZBF-237A
- Die forged
- Used for prying, moving, rolling, or lifting heavy objects.
- One end of the bar is tapered to a point.



Number	B mm	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
237189	16	15	1500	2100	1890
237190	18	16	300	435	395
237191	18	16	400	606	545
237192	18	16	450	681	613
237193	18	16	500	840	756
237194	18	16	600	931	846
237195	18	16	800	1241	1128
237196	19	17	500	758	677

237 Bar,Pinch

- Q/ZBF-237A
- Die forged
- Used for prying, moving, rolling, or lifting heavy objects.
- One end of the bar is tapered to a point.



Number	B mm	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
237197	20	18	200	332	302
237198	20	18	250	462	416
237199	20	18	400	824	749
237200	20	18	450	927	834
237201	20	18	500	998	907
237202	20	18	600	1147	1043
237203	20	18	1000	2004	1822
237204	21	19	300	673	605
237205	21	19	500	1122	1020
237206	22	20	200	415	377
237207	22	20	300	644	585
237208	22	20	350	780	709
237209	22	20	400	934	849
237210	22	20	450	1052	956
237211	22	20	500	1230	1118

237 Bar,Pinch

- Q/ZBF-237A
- Die forged
- Used for prying, moving, rolling, or lifting heavy objects.
- One end of the bar is tapered to a point.



Number	B mm	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
237212	22	20	600	1385	1259
237213	22	20	700	1680	1527
237214	22	20	800	1979	1799
237215	22	20	1000	2526	2296
237216	22	20	1200	2936	2669
237217	22	20	1500	3681	3346
237218	23	21	500	1320	1188
237219	23	21	800	2110	1899
237220	24	22	200	576	518

237 Bar, Pinch

- Q/ZBF-237A
- Die forged
- Used for prying, moving, rolling, or lifting heavy objects.
- One end of the bar is tapered to a point.



Number	B mm	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
237221	24	22	500	1440	1309
237222	24	22	600	1693	1539
237223	24	22	700	1981	1801
237224	24	22	750	2201	2001
237225	24	22	800	2349	2126
237226	24	22	900	2642	2378
237227	24	22	1000	2952	2684
237228	25	23	300	899	817
237229	25	23	500	1515	1377
237230	25	23	600	2092	1902
237231	25	23	700	2264	2058
237232	25	23	800	2530	2277
237233	25	23	900	2966	2696

237 Bar, Pinch

- Q/ZBF-237A
- Die forged
- Used for prying, moving, rolling, or lifting heavy objects.
- One end of the bar is tapered to a point.



Number	B mm	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
237234	25	23	1000	3302	3002
237235	26	24	500	1750	1591
237236	26	24	600	2086	1896
237237	26	24	1000	3689	3354
237238	28	25	300	977	888
237239	28	25	500	1890	1718
237240	28	25	600	2092	1902
237241	28	25	650	2266	2039
237242	28	25	750	2588	2353
237243	28	25	800	2760	2485

237 Bar, Pinch

- Q/ZBF-237A
- Die forged
- Used for prying, moving, rolling, or lifting heavy objects.
- One end of the bar is tapered to a point.



Number	B mm	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
237244	28	25	1000	3417	3106
237245	28	25	1200	4100	3690
237246	28	25	1500	5074	4613
237247	30	27	1000	3690	3320
237248	31	28	500	2264	2058
237249	31	28	800	3792	3447
237250	31	28	1000	4804	4367
237251	31	28	1500	7613	6851
237252	33	30	500	2608	2347
237253	33	30	600	3235	2941
237254	33	30	800	4173	3756
237255	33	30	850	4435	3991
237256	33	30	900	4695	4225
237257	33	30	1000	5217	4743
237258	33	30	1200	6765	6150
237259	33	30	1250	6789	6172
237260	33	30	1500	8547	7770
237261	33	30	1800	10395	9450
237262	35	32	1000	6405	5765
237263	53	50	1500	23100	21000
237264	53	50	1500	23100	21000

237 Bar (Hex) Pinch

- Q/ZBF-237B
- Die forged
- Used for prying, moving, rolling, or lifting heavy objects.
- One end of the bar is tapered to a point.



Number	B mm	S mm	L mm	Be-Cu (g)	Al-Cu (g)
237265	17	15	500	830	755
237266	18	16	400	703	639
237267	18	16	455	818	744
237268	18	16	500	900	819
237269	19	17	600	1552	1411
237270	19	17	1000	2352	2117
237271	20	18	300	651	592
237272	20	18	400	889	809
237273	20	18	450	966	878

237 Bar (Hex) Pinch

- Q/ZBF-237B
- Die forged
- Used for prying, moving, rolling, or lifting heavy objects.
- One end of the bar is tapered to a point.



Number	B mm	S mm	L mm	Be-Cu (g)	Al-Cu (g)
237274	20	18	500	1060	964
237275	20	18	600	1270	1145
237276	20	18	800	1679	1526
237277	20	18	1000	2120	1908
237278	21	19	500	1202	1093
237279	21	19	600	1448	1316
237280	21	19	800	2048	1843
237281	22	20	500	1392	1265
237282	22	20	600	1680	1512
237283	22	20	650	1785	1607
237284	22	20	700	1883	1712
237285	22	20	750	2155	1959
237286	22	20	800	2378	2162
237287	22	20	900	2580	2345
237288	22	20	1000	3340	2974
237289	22	20	1200	3460	3146
237290	24	22	200	683	614

237 Bar (Hex) Pinch

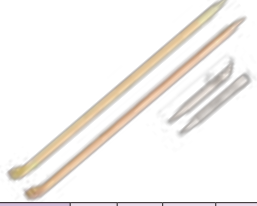
- Q/ZBF-237B
- Die forged
- Used for prying, moving, rolling, or lifting heavy objects.
- One end of the bar is tapered to a point.



Number	B mm	S mm	L mm	Be-Cu (g)	Al-Cu (g)
237291	24	22	500	1619	1472
237292	24	22	600	2080	1891
237293	24	22	650	2260	1891
237294	24	22	700	2302	2093
237295	24	22	750	2600	2364
237296	24	22	760	2630	2391
237297	24	22	800	2780	2527
237298	24	22	900	2950	2682
237299	24	22	1000	3378	3071

237 Bar (Hex) Pinch

- Q/ZBF-237B
- Die forged
- Used for prying, moving, rolling, or lifting heavy objects.
- One end of the bar is tapered to a point.



Number	B mm	S mm	L mm	Be-Cu (g)	Al-Cu (g)
237300	24	22	1200	4012	3647
237301	25	23	1000	3302	3002
237302	25	23	1500	5850	5265
237303	27	24	500	2070	1882
237304	27	24	760	3146	2860
237305	27	24	1000	4140	3764
237306	27	24	1200	4960	4509
237307	28	25	500	2222	2020
237308	28	25	600	2450	2227
237309	28	25	700	2963	2694
237310	28	25	750	3255	2930
237311	28	25	800	3466	3151
237312	28	25	1000	4444	4040
237313	28	25	1200	5198	4725
237314	28	25	1250	5670	5103

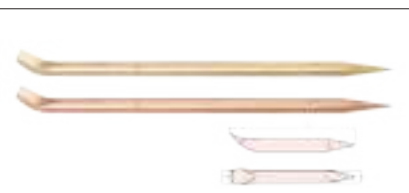
237 Bar (Hex) Pinch

- Q/ZBF-237B
- Die forged
- Used for prying, moving, rolling, or lifting heavy objects.
- One end of the bar is tapered to a point.



Number	B mm	S mm	L mm	Be-Cu (g)	Al-Cu (g)
237315	28	25	1500	6642	6038
237316	30	27	1000	5082	4620
237317	30	27	1250	6720	6048
237318	31	28	1000	5523	5021
237319	31	28	1500	7751	7046
237320	33	30	400	2253	2048
237321	33	30	500	2840	2582
237322	33	30	1000	6183	5621
237323	33	30	1200	7263	6603
237324	33	30	1500	9638	8762
237325	35	32	1000	7022	6384
237326	37	34	1500	12030	10827
237327	38	35	1000	8109	7298
237328	38	35	1500	12384	11258
237329	53	50	1000	15985	14532
237330	53	50	1200	19335	17577

237 Bar, Pinch Inch



- Q/ZBF-237A
- Die forged
- Used for prying, moving, rolling, or lifting heavy objects.
- One end of the bar is tapered to a point.

Number	Φ inch	B inch	L inch	Be-Cu (g)	Al-Cu (g)
237331	1	1	18	1689	1535
237332	1	1	30	3026	2751

237 Bar (Hex) Pinch Inch



- Q/ZBF-237B
- Die forged
- Used for prying, moving, rolling, or lifting heavy objects.
- One end of the bar is tapered to a point.

Number	S inch	B inch	L inch	Be-Cu (g)	Al-Cu (g)
237333	3/4	3/4	18	1158	1053
237334	7/8	7/8	30	2562	2329
237335	1	1	26	2707	2461
237336	1	1	36	4483	4075

237 Bar Crow



- Q/ZBF-237C
- Die forged
- Used for prying, moving, rolling, or lifting heavy objects. One end of the bar is tapered to a point.

Number	B mm	H mm	L mm	Be-Cu (g)	Al-Cu (g)
237337	18	15	300	525	473
237338	20	17	650	1160	1045
237339	22	19	500	1050	945
237340	23	20	300	840	756
237341	23	20	500	1470	1323
237342	23	20	650	1855	1675
237343	25	22	1000	3885	3276
237344	30	27	1500	7950	7155
237345	35	30	1200	7200	6545
237346	35	30	1500	8910	8110

237 Bar Crow, Inch



- Q/ZBF-237C
- Die forged
- Used for prying, moving, rolling, or lifting heavy objects. One end of the bar is tapered to a point.

Number	B inch	L inch	H inch	Be-Cu (g)	Al-Cu (g)
237347	1-3/8	60	1-1/4	7680	6912

237 Bar Crow



- Q/ZBF-237C
- Die forged
- Used for prying, moving, rolling, or lifting heavy objects. One end of the bar is tapered to a point.

Number	B mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
237348	32	1525	28	7125	6801

237 Bar, Pinch



- Q/ZBF-237D
- Die forged
- Used for prying, moving, rolling, or lifting heavy objects.

Number	B mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
237349	16	260	1.5	158	142
237350	38	500	2.5	1342	1208
237351	45	500	3	1550	1400
237352	52	600	3	2750	2500
237353	52	850	3	3896	3506
237354	52	1000	3	4583	4125
237355	52	1200	3	5500	4950
237356	62	1500	4	7138	6489

237 Spike



- Q/ZBF-237E
- Precision Casting
- Used for prying, moving, rolling, or lifting heavy objects. The fulcrum provide more leverage.

Number	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
237357	22	600	2450	2205

237 Tire Pry Bar



- Q/ZBF-237F
- Cold Drawn
- Used for prying, moving, rolling, or lifting heavy objects, grilled tire disassembling etc.

Number	B mm	L mm	Be-Cu (g)	Al-Cu (g)
237358	22	200	214	195
237359	22	300	347	315
237360	22	500	673	605
237361	22	600	785	714
237362	25	500	896	815
237363	25	600	1100	990
237364	26	800	1453	1321
237365	30	1000	2471	2246

237 Multifunctional Harley Crowbar



- Used to open holes, chisel brick walls and other hard objects and wooden doors and Windows, plate shaped duck beak pry body can be used to pry plate pry or chisel off chains, bolts, etc., can also be used to chisel brick walls and other hard objects and wooden doors and Windows, nailing pry fork on both sides of the balance, suitable for breaking all kinds of different materials such as heavy metal or synthetic materials door locks, locks and door frames. In case of emergency, it can also be used to pull out nails and close gas valves.

Number	L inch	Be-Cu (g)	Al-Cu (g)
237366	30	5000	4550

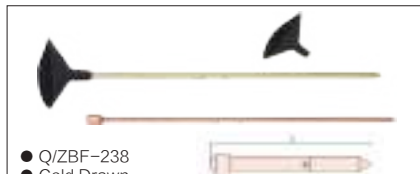
237 Bar, Inch



- TB 1517
- Die forged
- Used for prying, moving, rolling, or lifting heavy objects.

Number	Φ inch	B inch	L inch	Be-Cu (g)	Al-Cu (g)
237367	5/8	5/8	24	700	636
237368	1-1/4	1-1/4	60	9922	9020

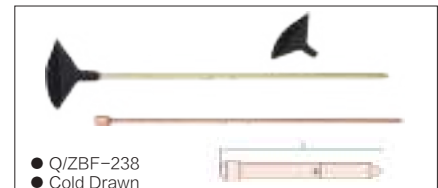
238 Hearing Needle



- Q/ZBF-238
- Cold Drawn
- This is an ideal tool to accurately judge and find out the problems upon the principal of sound transmission.
- Black Sound Receiver

Number	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
238001	3	175	21	19
238002	4	250	42	38
238003	5	280	60	55
238004	6	150	45	41
238005	6	200	57	52
238006	6	250	69	63
238007	6	300	82	75
238008	6	400	104	95
238009	6	500	134	122
238010	6	600	156	142
238011	6	700	180	164
238012	6	800	200	182
238013	6	900	221	198
238014	6	1000	259	235
238015	7	350	126	113
238016	7	400	143	130
238017	7	500	176	160
238018	7	600	232	211
238019	7	800	267	243
238020	8	200	139	126
238021	8	250	151	137
238022	8	300	128	117
238023	8	350	154	140

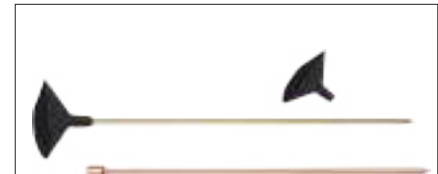
238 Hearing Needle



- Q/ZBF-238
- Cold Drawn
- This is an ideal tool to accurately judge and find out the problems upon the principal of sound transmission.
- Black Sound Receiver

Number	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
238024	8	400	179	163
238025	8	450	208	189
238026	8	500	226	206
238027	8	600	260	236
238028	8	650	276	251
238029	8	700	315	287
238030	8	750	347	315
238031	8	800	364	331
238032	8	1000	439	399
238033	9	800	421	383

238 Hearing Needle



Number	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
238034	10	400	274	249
238035	10	450	321	292
238036	10	500	344	313
238037	10	600	415	377
238038	10	700	480	437
238039	10	800	549	499
238040	10	850	601	546
238041	10	900	605	550
238042	10	1000	685	623
238043	10	1200	834	758
238044	10	1500	1005	914
238045	12	800	751	683
238046	12	1000	856	778
238047	12	1200	1122	1020
238048	12	1500	1460	1327
238049	14	1000	1246	1133
238050	14	1200	1595	1450
238051	15	400	601	546
238052	15	800	998	907

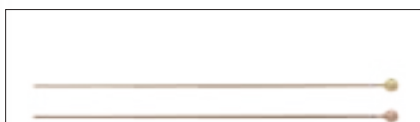
238 Hearing Needle With Ball



- Q/ZBF-238A
- Cold Drawn
- This is an ideal tool to accurately judge and find out the problems upon the principal of sound
- Black Sound Receiver

Number	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
238053	3	180	23	21
238054	6	250	65	58
238055	6	400	102	93
238056	6	500	128	116
238057	6	600	146	133
238058	6	800	197	179
238059	6	1000	237	215
238060	8	300	130	118
238061	8	500	210	191
238062	8	600	260	236
238063	8	1000	289	263
238064	10	500	330	300
238065	10	600	405	368
238066	10	800	524	476
238067	10	1000	832	756
238068	12	1200	993	903

238 Hearing Needle With Ball



- Q/ZBF-238B
- Cold Drawn
- Used for cleaning rust.

Number	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
238069	6	250	93	85
238070	6	300	105	95
238071	6	400	130	120
238072	8	500	250	230
238073	8	600	295	270
238074	8	700	340	310
238075	8	800	385	350
238076	8	900	430	390
238077	8	1000	470	430
238078	8	1200	560	510
238079	8	1500	690	630

238 Needle



- Q/ZBF-238B
- Cold Drawn
- Used for cleaning rust.

Number	Φ mm	L mm	Be-Cu (g)
238080	3	180	12

238 Hearing Needle



- Q/ZBF-238C
- Cold Drawn Adjustable length, portability
- Black Sound Receiver

Number	L mm	Be-Cu (g)	Al-Cu (g)
238081	400-1000	146	132

238 Mine Prodder



- Q/ZBF-238D
- Cold Drawn
- It is developed to locate mines buried at depths up to 250mm.
- Primarily intended for situations where a magnetic device could be considered important.

Number	D mm	L mm	Be-Cu (g)	Al-Cu (g)
238082	5	350-600	359	326
238083	5	575-1000	413	376

238 Probe



- It is used for cargo inspection, explosion-proof and non-magnetic, to prevent dangerous goods from causing explosions.

Number	D mm	L mm	L1 mm	Be-Cu (g)	Al-Cu (g)
238084	5	350	245	100	95
238085	8	500	373	230	220
238086	8	650	523	290	275

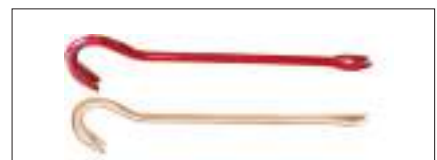
239 Bar, Wrecking



- Q/ZBF-239
- Die forged
- Used for prying and removing nails.

Number	Φ mm	B mm	H mm	L mm	Be-Cu (g)	Al-Cu (g)
239001	13	15	1.5	250	269	245

240 Bar, Wrecking



- Q/ZBF-240
- Precision Casting
- Curved at the forked end to provide more leverage.

Number	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
240001	12	400	578	520
240002	16	400	826	751
240003	16	450	924	840
240004	16	455	945	851
240005	16	460	914	822
240006	16	600	1232	1120
240007	19	800	2200	2011
240008	19	900	3675	3308
240009	20	600	1680	1512
240010	20	1200	3580	3255
240011	22	400	578	520
240012	25	1200	4705	4277



865001 Heavy Duty Bench Vice

240 Bar, Wrecking Hex



- Q/ZBF-240A
- Precision Casting
- Curved at the forked end to provide more leverage.

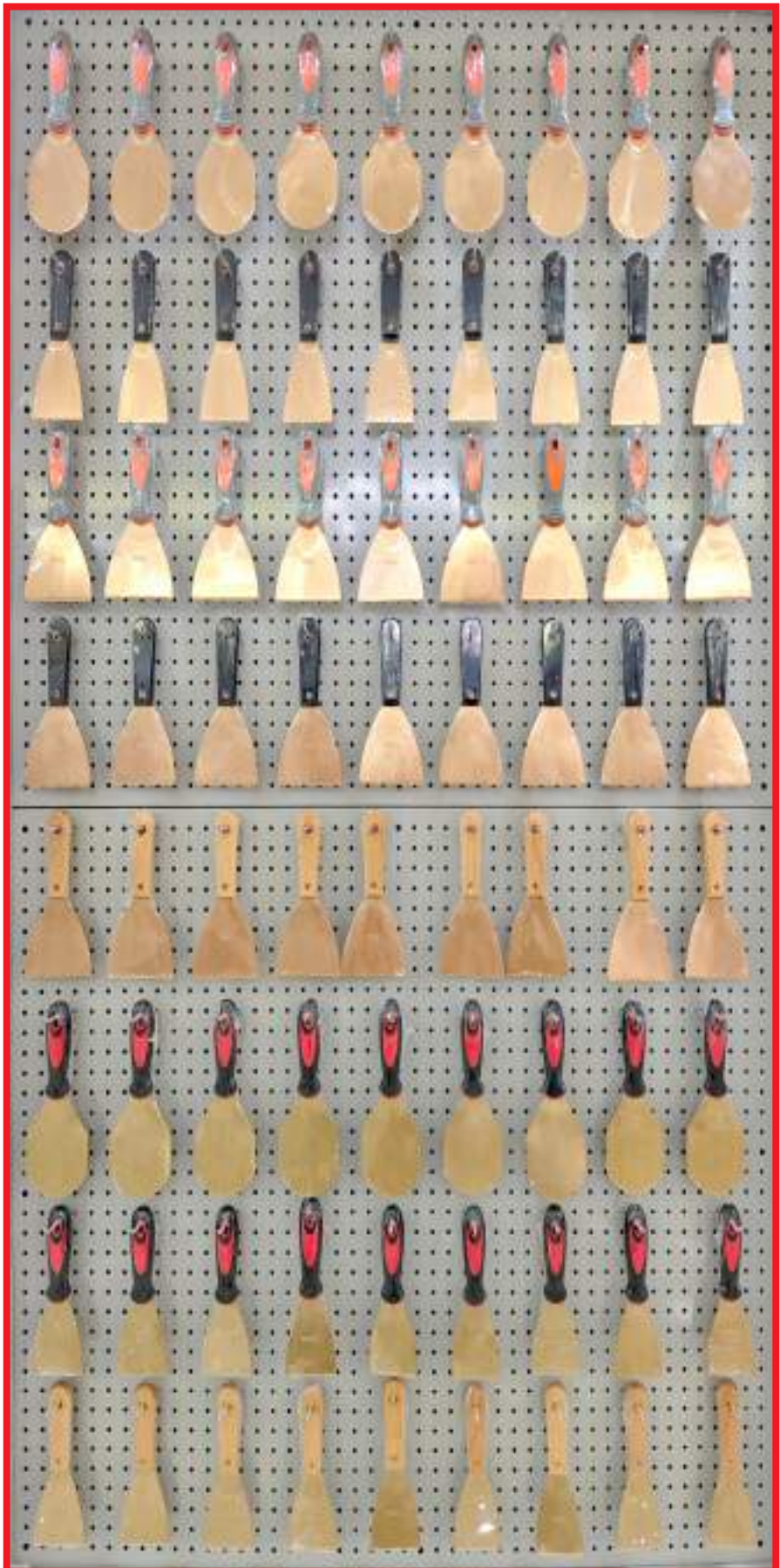
Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
240013	16	460	1021	928
240014	17	460	1125	1013
240015	19	450	1397	1257
240016	19	760	2086	1896
240017	19	900	2806	2551
240018	20	600	1853	1684
240019	22	760	3084	2804
240020	22	920	3473	3157

241 Crate Opener



- Q/ZBF-241
- Die forged
- One end used for a wrecking bar and the other end used as a hammer.

Number	H mm	L mm	Be-Cu (g)	Al-Cu (g)
241001	70	230	459	417





Shear \ Pliers P155-P161



Safety Tools



Safety Tools



Shears \ Pliers P155-P162
16 242001-258007

242 Shears, Cutting



- QB/T 1966
- Die forged
- Hand-operated cutting instruments.

Number	L mm	Be-Cu g	Al-Cu g
242001	150	62	56
242002	200	116	104

243 Shears, Cutting



- Q/ZBF-243
- Die forged
- Hand-operated cutting instruments.

Number	L mm	B mm	Be-Cu g	Al-Cu g
243001	270	91	282	254
243002	360	107	960	864

244 Shears, Tin



- Q/ZBF-244
- Die forged
- Used for sheet-metal work, it is equipped with high-leverage handles to facilitate cutting the metal sheet.

Number	L mm	B mm	Be-Cu g	Al-Cu g
244001	200	50	283	255
244002	300	75	421	379

244 Scissors



- Q/ZBF-244A
- Precision Casting
- Hand-operated cutting instruments

Number	L inch	L mm	B mm	Be-Cu g	Al-Cu g
244003	9	225	98	228	205

244 Tinner's Snip Plate Shear



- Q/ZBF-244B
- Die forged
- Hand-operated cutting instruments.

Number	L mm	Be-Cu g	Al-Cu g
244004	280	429	386

244 Shears



- Q/ZBF-244C
- Die forged
- This is a handheld, hinged instrument used for grasping and holding objects.

Number	L mm	Be-Cu g	Al-Cu g
244005	200	117	105

244 Mini Scissors



Number	L mm	Be-Cu g	Al-Cu g
244006	195	111	100

245 Pliers, Adjustable Combination



- QB/T 2319
- Die forged
- Serrated teeth with slip joint

Number	K mm	L mm	Be-Cu g	Al-Cu g
245001	8	150	190	171
245002	13	175	326	293
245003	13	200	310	279
245004	16	250	445	401

245 Gas Pliers



- Q/ZBF-245A
- Die forged
- Serrated teeth used to grip pipe line or other cylinders.

Number	L mm	Be-Cu g	Al-Cu g
245005	200	350	315

245 Pliers, Adjustable Combination (Germany Type)



- Die forged
- Serrated teeth with slip joint

Number	Size inch	L mm	Be-Cu g	Al-Cu g
245006	6	150	190	165
245007	8	200	310	270

246 Pliers, Lineman



- ISO 5746
- Die forged
- Used for cutting and crimping metal or wire.

Number	L inch	L mm	Be-Cu g	Al-Cu g
246001	6	150	260	234
246002	7	175	316	284
246003	8	200	408	367
246004	10	250	608	547

247 Pliers, Cutting



- Q/ZBF-247
- Die forged
- Used for cutting and crimping metal or wire.

Number	L inch	L mm	Be-Cu g	Al-Cu g
247001	6	150	260	234
247002	8	200	438	394

247 Pliers, Cutting (Japan Type)



- Die forged
- Used for cutting and crimping metal or wire.

Number	L inch	L mm	Be-Cu g	Al-Cu g
247003	7	175	326	293
247004	8	200	489	440

247 Pliers, Labor-saving Lineman (Germany Type)



- Cut, pull, clamp, twist and tighten objects.
- Eccentric design saves effort.

Number	L inch	L mm	Be-Cu g	Al-Cu g
247005	7	175	280	252
247006	8	200	350	315

247 Bent Pliers, Labor-saving Lineman (Germany Type)



- Cut, pull, clamp, twist and tighten objects.
- Eccentric design, labor saving, bend suitable for special occasions.

Number	L inch	L mm	Be-Cu g	Al-Cu g
247007	7	175	300	265
247008	7-1/2	190	315	285

247 Multifunctional Pliers, Lineman



- Clamping, cutting, stripping, pressing, breaking, winding multi-function, eccentric design, labor saving.

Number	L inch	L mm	Be-Cu g	Al-Cu g
247009	7	175	350	330
247010	8	200	390	350

248 Pliers, Diagonal Cutting



- ISO 5749
- Die forged
- Mostly used for cutting wire.

Number	L inch	L mm	Be-Cu g	Al-Cu g
248001	6	150	224	202
248002	8	200	367	330

248 Power Side Cutter (American Patten)



- ISO 5749
- Die forged
- Mostly used for cutting wire

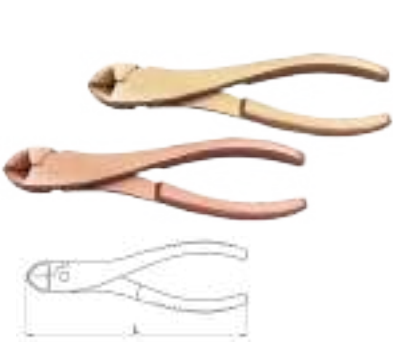
Number	L inch	L mm	Be-Cu g	Al-Cu g
248003	6	150	204	184
248004	8	200	387	348

248 Mini Pliers, Diagonal Cutting



Number	L inch	L mm	Be-Cu g	Al-Cu g
248005	5	125	46	41
248006	7	175	80	72

248 Pliers, Diagonal Cutting (American Type)



- Die forged
- Mostly used for cutting wire

Number	L inch	L mm	Be-Cu g	Al-Cu g
248007	6	150	208	187
248008	8	190	359	323

249 Pincers



- ISO 9243
- Die forged
- The concentration of force is either to a point, or to an edge perpendicular to the length of the tool.
- This allows pincers to be brought close to a surface, as is often required when working with nails.

Number	L inch	L mm	Be-Cu g	Al-Cu g
249001	6	150	280	252
249002	8	200	387	348

249 Pincers



- ISO 5748
- Die forged
- The concentration of force is either to a point, or to an edge perpendicular to the length of the tool.
- This allows pincers to be brought close to a surface, as is often required when working with nails.

Number	L inch	L mm	Be-Cu g	Al-Cu g
249003	7	175	250	225
249004	8	200	300	280

249 Pincers



Number	L inch	L mm	Be-Cu g	Al-Cu g
249005	6	150	175	158
249006	8	200	220	198

250 Pliers, Flat Nose



- ISO 5745
- Die forged
- Used for holding and crimping metal or wire.

Number	L inch	L mm	Be-Cu g	Al-Cu g
250001	5	125	165	149
250002	6	150	204	184
250003	8	200	357	321

251 Pliers, Groove Joint



- QB/T 2440.4
- Die forged
- The upper jaw can be moved to a number of positions by sliding along a tracking section under the lower jaw.
- An advantage of this design is that the pliers can adjust to a number of sizes without the distance in the handle growing wider.
- Commonly used for turning and holding bolts and nuts, gripping irregularly shaped objects and clamping materials.

Number	L inch	L mm	Kmax mm	Be-Cu g	Al-Cu g
251001	6	150	25	193	174
251002	8	200	30	340	306
251003	10	250	45	443	399
251004	12	300	55	668	601
251005	14	350	55	887	798

252 Pliers, Slip Joint



- ISO 8976
- Die forged
- The lower jaw can be moved to a number of positions by sliding along a tracking section under the upper jaw.
- An advantage of this design is that the pliers can adjust to a number of sizes without the distance in the handle growing wider.
- Commonly used for turning and holding bolts and nuts, gripping irregularly shaped objects, and clamping materials.

Number	L inch	L mm	Kmax mm	Be-Cu g	Al-Cu g
252001	8	200	22	255	230
252002	10	250	32	392	353

252 Pliers, Water Pump



- QB/T 2440.4
- Die forged
- The upper jaw can be moved to a number of positions by sliding along a tracking section under the lower jaw.
- An advantage of this design is that the pliers can adjust to a number of sizes without the distance in the handle growing wider.

Number	L inch	L mm	Kmax mm	Be-Cu g	Al-Cu g
252003	6	150	18	198	178
252004	8	200	22	231	208
252005	10	250	32	377	339
252006	12	300	52	622	560
252007	14	350	55	866	779

252 Pliers, Slip Joint



- ISO 8976 ● Die forged
- The lower jaw can be moved to a number of positions by sliding along a tracking section under the upper jaw.
- An advantage of this design is that the pliers can adjust to a number of sizes without the distance in the handle growing wider.
- Commonly used for turning and holding bolts and nuts, gripping irregularly shaped objects, and clamping materials

Number	K mm	L mm	Be-Cu g	Al-Cu g
252008	25	165	161	145
252009	35	250	459	413
252010	38	300	619	557

253 Pliers, Snipe Nose



- ISO 5745
- Die forged
- Used for cutting wire or holding tiny components.

Number	L inch	L mm	Be-Cu g	Al-Cu g
253001	6	150	213	192
253002	7	175	265	239
253003	8	200	306	275

254 Pliers, Long Nose



- ISO 5745
- Die forged
- Used for cutting wire or holding tiny components.

Number	L inch	L mm	Be-Cu g	Al-Cu g
254001	6	150	204	184
254002	7	175	248	223
254003	8	200	306	275

254 Pliers, Labor-saving Snipe Nose (Germany Type)



- Small space clamping small parts, with shear function.
- Eccentric design saves effort.

Number	L inch	L mm	Be-Cu g	Al-Cu g
254004	6	150	210	189
254005	8	200	244	220

254 Bent Pliers, Labor-saving Snipe Nose (Germany Type)



- Small space clamping small parts, with shear function.
- Eccentric design, labor saving, bend suitable for special occasions.

Number	L inch	L mm	Be-Cu g	Al-Cu g
254006	6	150	250	225
254007	9	225	306	275

254 Multifunctional Pliers, Snipe Nose



- Clamping, cutting, stripping, pressing, breaking multi-function, eccentric design, labor saving.

Number	L inch	L mm	Be-Cu g	Al-Cu g
254008	6	150	220	198
254009	8	200	316	284

255 Pliers, Round Nose



- ISO 5745
- Die forged
- The tapered, conical jaws for bending and shaping.

Number	L inch	L mm	Be-Cu g	Al-Cu g
255001	6	150	210	189
255002	8	200	290	261

255 Pliers, Round Plier 45 Degree Bent



- ISO 5745
- Die forged
- Cutting wire or holding tiny components.

Number	L inch	L mm	Be-Cu g	Al-Cu g
255003	6	150	193	174
255004	8	200	295	266

256 Pliers, Snap Ring-Internal (Straight)



- DIN 5254
- Die forged
- Install and remove snap rings.

Number	L inch	L mm	Be-Cu g	Al-Cu g
256001	5	125	116	104
256002	6	150	127	114
256003	7	180	208	187
256004	8	200	244	220
256005	9	225	308	277
256006	10	250	398	358
256007	12	300	575	518
256008	13	325	594	535
256009	14	350	638	574

256 Pliers, Snap Ring-Internal (Bent)



Number	L inch	L mm	Be-Cu g	Al-Cu g
256010	5	125	116	104
256011	6	150	127	114
256012	7	180	208	187
256013	8	200	244	220
256014	9	225	308	277
256015	10	250	398	358
256016	12	300	575	518
256017	13	325	594	535
256018	14	350	638	574

257 Pliers, Snap Ring-External (Straight)



- DIN 5254
- Die forged
- Install and remove snap rings

Number	L inch	L mm	Be-Cu g	Al-Cu g
257001	5	125	116	104
257002	6	150	126	113
257003	7	180	208	187
257004	8	200	275	248
257005	9	225	308	277
257006	10	250	413	372
257007	12	300	578	520
257008	13	325	594	535
257009	14	350	638	574

257 Pliers, Snap Ring-External (Bent)



Number	L inch	L mm	Be-Cu g	Al-Cu g
257010	5	125	116	104
257011	6	150	126	113
257012	7	180	208	187
257013	8	200	275	248
257014	9	225	308	277
257015	10	250	413	372
257016	12	300	578	520
257017	13	325	594	535
257018	14	350	638	574

257 Bolt Chipper



- ISO 5749
- Die forged
- Used for cutting chains, padlocks, bolts and wire mesh. It typically has long handles and short blades, with compound hinges to maximize leverage and cutting

Number	L mm	L inch	Be-Cu g	Al-Cu g
257019	250	10	500	450
257020	350	14	1310	1179
257021	450	18	2000	1800
257022	600	24	3366	3029
257023	900	36	7609	6848

257 Crimping Tool, Insulated Cable Connectors



- Q/ZBF-257B
- Die forged
- Easily strips and cuts solide or stranded wire.

Number	L inch	L mm	Be-Cu g	Al-Cu g
257024	6	150	95	86
257025	8	200	143	129

257 Wire Stripping Pliers



- QB/T 2207
- Die forged
- Remove insulation without damaging the conductor.

Number	L mm	Be-Cu g	Al-Cu g
257026	170	204	184
257027	200	250	225

257 Locking Pliers



- QB/T 2207
- Die forged
- Single-handed operation with quick-release lever, adjusting screw and integrated wire cutter.

Number	Size inch	L mm	D mm	Be-Cu g	Al-Cu g
257028	7	175	35	378	340
257029	10	225	40	436	392

257 Wire Stripper



- Q/ZBF-257E
- Die forged
- Especially apply to cut wires, electronic parts, plastic products, metal wire, etc.
- Used for repair of electronic industry, model making etc.

Number	L inch	L mm	Be-Cu g	Al-Cu g
257030	6	160	112	101
257031	7	175	188	169

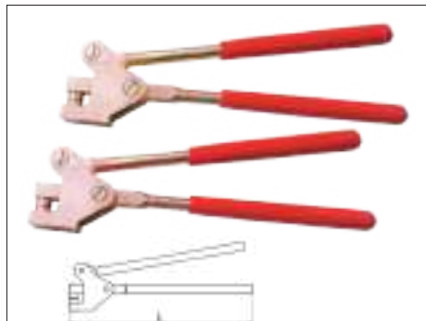
257 Stocker Plier



- Q/ZBF-257F
- Die forged
- Easily strips and cuts solide wire

Number	L inch	L mm	Be-Cu g	Al-Cu g
257032	7	180	160	144
257033	8	200	235	212

257 Vice Sealing Pliers



- Flattening the lead seal bean on the electricity meter and water meter for locking and anti-theft.

Number	L mm	Be-Cu g	Al-Cu g
257034	150	292	263
257035	200	382	344

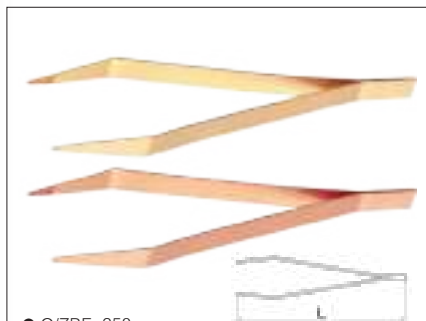
257 Pliers, Snap Ring Dual Purpose



- Both inside and outside rings, switch freely.

Number	L mm	Be-Cu g	Al-Cu g
257036	135	100	90

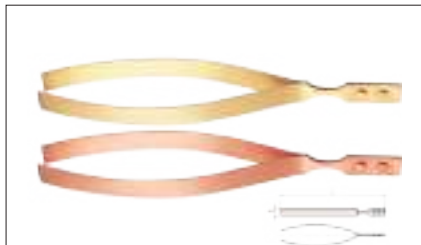
258 Tweezers, Neat Tips



- Q/ZBF-258
- Die forged
- Pick up small objects like metal particles.

Number	L mm	Be-Cu g	Al-Cu g
258001	100	19	17
258002	150	26	23
258003	200	38	34

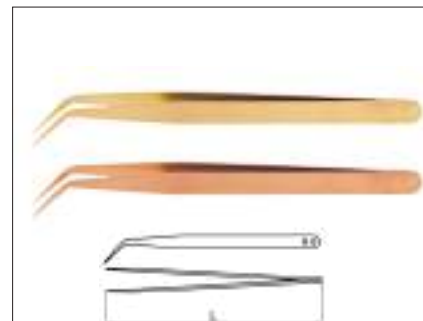
258 Tweezers, Flat Nose



- Q/ZBF-258A
- Die forged
- Pick up small objects like metal particles.

Number	L mm	B mm	Be-Cu g	Al-Cu g
258004	100	8	20	25
258005	150	10	45	40
258006	200	15	53	55

258 Tweezers, Bent Nose



Number	L mm	B mm	Be-Cu g	Al-Cu g
258007	150	9	30	25



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Safety Tools

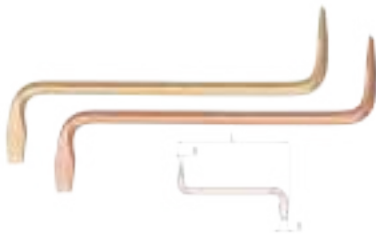


Screwdriver \ Bits P163-P170



Screwdriver \ Bits P163-P170 17 259001-266017

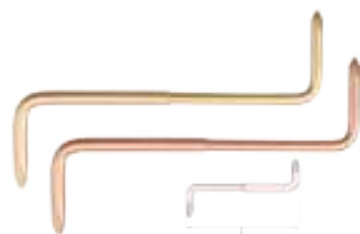
259 Slotted Offset Screwdriver



- DIN 5200
- Cold Rolled
- A screwdriver with the head set perpendicular to the shaft for access to screws in otherwise awkward places.

Number	K mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
259001	4	125	0.8	16	14
259002	6	75	1.1	21	19
259003	6	80	1.1	26	23
259004	6	120	1.1	35	32
259005	6	125	1.1	36	32
259006	6	130	1.1	37	33
259007	6	135	1.1	38	34
259008	6	140	1.1	40	36
259009	6	150	1.1	46	41
259010	7	120	1.2	52	47
259011	7	130	1.2	58	52
259012	8	125	1.2	64	58
259013	8	140	1.2	68	61
259014	8	150	1.2	75	68
259015	8	160	1.2	88	79
259016	9	195	1.4	96	86
259017	10	140	1.6	65	59
259018	10	195	1.6	125	113

259 Phillips Offset Screwdriver



- Q/ZBF-259A
- Cold Rolled
- A screwdriver with the head set perpendicular to the shaft for access to screws in otherwise awkward places.

Number	L mm	size	Be-Cu (g)	Al-Cu (g)
259019	120	PH1*PH2	34	31

260 Slotted Screwdriver



- ISO 2380
- Cold Rolled
- Fasten and unload slotted bolt.

Number	B mm	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
260001	3	50	135	35	33
260002	3	75	160	35	32
260003	3	100	185	29	28
260004	3	150	235	32	31
260005	4	50	135	31	30
260006	4	75	160	45	42
260007	4	100	185	45	42
260008	4	200	285	46	45
260009	4.5	50	135	43	40
260010	5	75	180	70	65
260011	5	100	205	75	70
260012	5	150	255	77	75
260013	5	200	305	95	93
260014	5	300	405	90	88
260015	6	100	215	85	80
260016	6	125	240	100	95
260017	6	150	265	110	105
260018	6	160	275	107	105
260019	6	200	315	123	120
260020	6	220	335	107	105
260021	6	250	365	128	125
260022	6	300	415	143	140

260 Slotted Screwdriver



Number	B mm	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
260023	7	150	265	125	120
260024	7	200	315	150	147
260025	8	75	200	39	67
260026	8	150	275	140	135
260027	8	200	325	165	155
260028	8	250	375	195	190
260029	8	350	475	215	210
260030	9	150	275	184	180
260031	9	250	375	185	175
260032	9	300	425	215	210

260 Slotted Screwdriver



- ISO 2380
- Cold Rolled
- Fasten and unload slotted bolt.

Number	B mm	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
260033	10	200	325	195	190
260034	10	250	375	210	205
260035	10	300	425	245	230
260036	10	400	525	290	285
260037	11	250	375	260	245
260038	11	300	425	290	275
260039	11	350	475	320	300
260040	12	400	550	450	430
260041	13	450	600	485	450

260 Stubby Slotted Screwdriver



- Cold Rolled
- Fasten and unload slotted bolt(screw nail) in narrow place.

Number	B mm	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
260042	3	36	85	30	27
260043	4	36	85	40	36
260044	5	36	85	40	36
260045	6	36	85	50	45

260 Slotted Screwdriver, Inch



- ISO 2380
- Cold Rolled
- Fasten and unload slotted bolt.

Number	B inch	L1 inch	L mm	Be-Cu (g)	Al-Cu (g)
260046	5/16	3	200	123	120
260047	7/16	6	275	200	195

261 Phillips Screwdriver



- ISO 8764
- Cold Rolled
- Fasten and unload phillips bolts(screw nail).

Number	size	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
261001	PH0(Φ2)	75	160	36	35
261002	PH0(Φ2)	100	185	38	37
261003	PH0(Φ2)	150	235	41	40
261004	PH0(Φ3)	50	135	35	32
261005	PH0(Φ3)	60	145	31	30
261006	PH0(Φ3)	75	160	36	35
261007	PH0(Φ3)	80	165	36	35
261008	PH0(Φ3)	100	185	38	37
261009	PH0(Φ3)	125	210	39	38
261010	PH0(Φ3)	150	235	41	40
261011	PH0(Φ3)	160	245	41	40
261012	PH0(Φ3)	200	285	44	43
261013	PH0(Φ3)	205	290	44	43
261014	PH1(Φ4)	50	135	70	68
261015	PH1(Φ4)	60	145	70	68

261 Phillips Screwdriver



- ISO 8764
- Cold Rolled
- Fasten and unload phillips bolts(screw nail).

Number	size	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
261031	PH1(Φ5)	150	255	83	80
261032	PH1(Φ5)	200	305	86	83
261033	PH1(Φ5)	250	355	93	90
261034	PH1(Φ5)	300	405	105	100
261035	PH2(Φ6)	25	140	62	60
261036	PH2(Φ6)	30	145	62	60
261037	PH2(Φ6)	38	155	62	60
261038	PH2(Φ6)	40	155	62	60
261039	PH2(Φ6)	50	165	72	70
261040	PH2(Φ6)	75	190	88	85
261041	PH2(Φ6)	100	215	93	90
261042	PH2(Φ6)	105	220	93	90
261043	PH2(Φ6)	125	240	100	95
261044	PH2(Φ6)	150	265	110	105
261045	PH2(Φ6)	160	275	115	110

261 Phillips Screwdriver



- ISO 8764
- Cold Rolled
- Fasten and unload phillips bolts(screw nail).

Number	size	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
261061	PH3(Φ8)	280	405	190	185
261062	PH3(Φ8)	300	425	200	195
261063	PH3(Φ8)	350	475	220	215
261064	PH4(Φ9)	200	325	205	200
261065	PH4(Φ9)	250	375	215	210
261066	PH4(Φ9)	300	425	245	230
261067	PH4(Φ9)	350	475	270	255
261068	PH4(Φ9)	400	550	295	280
261069	PH4(Φ9)	450	600	320	300
261070	PH4(Φ10)	150	275	225	220
261071	PH4(Φ10)	200	325	315	310
261072	PH4(Φ10)	220	345	335	330
261073	PH4(Φ10)	250	375	345	340

261 Phillips Screwdriver



Number	size	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
261016	PH1(Φ4)	75	160	70	63
261017	PH1(Φ4)	80	165	72	70
261018	PH1(Φ4)	100	185	75	73
261019	PH1(Φ4)	125	210	77	75
261020	PH1(Φ4)	150	235	78	76
261021	PH1(Φ4)	200	285	83	80
261022	PH1(Φ5)	12	120	62	60
261023	PH1(Φ5)	25	130	62	60
261024	PH1(Φ5)	38	145	62	60
261025	PH1(Φ5)	50	155	67	65
261026	PH1(Φ5)	60	165	67	65
261027	PH1(Φ5)	75	180	67	65
261028	PH1(Φ5)	80	185	67	65
261029	PH1(Φ5)	100	205	75	70
261030	PH1(Φ5)	125	230	75	73

261 Phillips Screwdriver



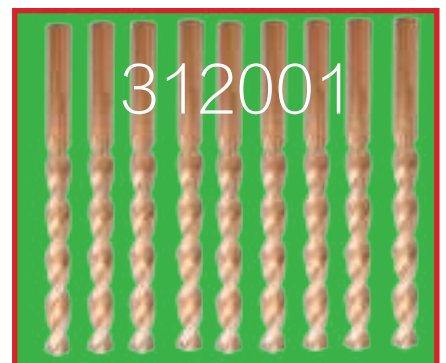
Number	size	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
261046	PH2(Φ6)	200	315	125	120
261047	PH2(Φ6)	220	335	130	125
261048	PH2(Φ6)	225	340	135	130
261049	PH2(Φ6)	250	365	145	140
261050	PH2(Φ6)	300	415	147	142
261051	PH2(Φ7)	150	265	125	120
261052	PH2(Φ7)	200	315	140	135
261053	PH3(Φ8)	75	200	110	105
261054	PH3(Φ8)	100	225	122	117
261055	PH3(Φ8)	150	275	140	135
261056	PH3(Φ8)	175	300	145	140
261057	PH3(Φ8)	180	305	150	145
261058	PH3(Φ8)	200	325	165	155
261059	PH3(Φ8)	250	375	185	170
261060	PH3(Φ8)	260	385	180	175

261 Stubby Phillips Screwdriver



- Cold Rolled
- Fasten and unload phillips bolt(screw nail) in narrow place

Number	Size	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
261074	0	36	85	41	37
261075	1	36	85	42	38
261076	2	36	85	45	41



262 Screwdriver



- Q/ZBF-262
- Die forged
- Fasten and unload slotted bolts(screw nail).

Number	B mm	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
262001	8	100	200	122	110
262002	8	110	250	163	147
262003	10	160	300	235	212
262004	11	350	500	357	321

263 Slotted Screwdriver



- Q/ZBF-263
- Cold Rolled
- Fasten and unload slotted bolt, the handle can be striken

Number	B mm	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
263001	3	50	110	30	27
263002	3	75	135	31	28
263003	3	100	160	36	32
263004	3	140	200	38	34
263005	3	150	210	39	35
263006	4	75	155	50	45
263007	4	100	180	60	54
263008	4	150	230	70	63
263009	4	165	245	70	63
263010	5	75	155	70	63
263011	5	100	180	71	64
263012	5	150	230	78	70
263013	5	170	250	78	70
263014	6	100	195	90	81
263015	6	125	220	103	93
263016	6	150	245	110	99
263017	7	150	245	122	110
263018	7	180	275	135	122
263019	8	80	190	175	158
263020	8	150	260	190	171
263021	8	170	280	200	180
263022	8	200	310	214	193
263023	8	250	360	215	194
263024	8	300	410	260	234
263025	9	250	360	224	202
263026	9	260	370	215	194
263027	10	300	425	306	275
263028	10	420	545	330	297
263029	11	350	475	387	348
263030	11	470	595	430	387
263031	11	500	625	440	396
263032	12	300	425	400	360

263 Electrician Screwdriver



- Q/ZBF-263A
- Cold Rolled
- Fasten and unload electrician slotted bolt

Number	B mm	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
263033	1.5	50	135	18	16
263034	2.5	50	135	20	18
263035	2.5	75	160	24	22
263036	2.5	100	185	35	32
263037	3	50	135	21	19
263038	4	50	135	25	23
263039	4	100	185	41	37
263040	4	125	210	52	47
263041	5	100	205	72	65
263042	5	150	255	83	75
263043	6	100	215	92	83
263044	8	100	225	130	117
263045	8	150	275	153	138
263046	9	200	325	210	189
263047	10	200	325	235	212

263 Driver Hex Nut



- Q/ZBF-263B
- Die forged
- Fasten and unload Hex blot.Hex nut in the narrow place that hand can not touch.

Number	S mm	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
263048	5.5	90	205	90	81
263049	6	90	205	92	83
263050	7	90	205	95	86
263051	7	100	215	98	88
263052	7	150	265	105	95
263053	8	100	215	102	92
263054	10	110	225	123	111
263055	13	110	235	130	117
263056	14	110	235	142	128
263057	15	120	245	188	169
263058	16	120	245	194	175
263059	17	120	245	204	184
263060	17	130	260	240	216
263061	19	150	275	270	243

263 Driver Hex Nut, Inch



- Q/ZBF-263B
- Die forged
- Fasten and unload Hex blot.Hex nut in the narrow place that hand can not touch.

Number	S inch	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
263062	1/4	90	205	85	80
263063	5/16	100	215	100	85
263064	3/8	110	225	140	130

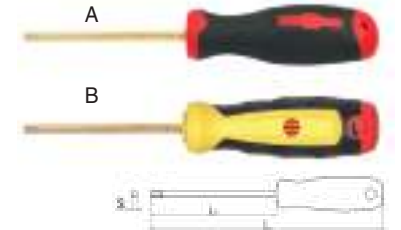
263 Driver Nut, 12 Point



- Q/ZBF-263B
- Die forged
- Fasten and unload Hex blot.Hex nut in the narrow place that hand can not touch.

Number	S mm	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
263065	7	90	205	95	90
263066	8	100	215	100	95
263067	10	110	225	105	100
263068	11	110	225	110	105
263069	13	110	235	185	172

263 Driver Hex Key



- GB/T 5358
- Cold Rolled
- Fasten and unload Pozidriv bolt

Number	S mm	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
263070	1.5	50	135	35	33
263071	2	50	135	36	34
263072	2.5	50	135	38	36
263073	3	50	135	42	40
263074	4	75	180	46	44
263075	5	100	215	85	81
263076	6	150	215	125	119
263077	8	200	325	175	167
263078	10	250	325	200	190

263 Phillips Screwdriver



- Q/ZBF-263C
- Cold Rolled
- Fasten and unload soltted bolt,the handle can be striken

Number	size mm	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
263079	PH0(Φ3)	50	110	31	30
263080	PH0(Φ3)	75	135	33	32
263081	PH0(Φ3)	100	160	36	35
263082	PH1(Φ4)	100	180	66	65
263083	PH1(Φ5)	75	155	70	68
263084	PH1(Φ5)	100	180	75	73
263085	PH2(Φ6)	100	195	92	90
263086	PH2(Φ6)	125	220	103	100
263087	PH2(Φ6)	150	245	110	105
263088	PH2(Φ7)	200	295	140	135
263089	PH3(Φ8)	100	210	175	170
263090	PH3(Φ8)	150	260	190	185
263091	PH3(Φ8)	200	310	202	197
263092	PH3(Φ8)	250	360	215	210
263093	PH3(Φ8)	260	370	220	215
263094	PH3(Φ8)	300	410	260	250
263095	PH4(Φ9)	250	375	260	250
263096	PH4(Φ9)	260	385	270	260
263097	PH4(Φ9)	300	425	285	275
263098	PH4(Φ9)	350	475	310	300
263099	PH4(Φ10)	300	425	345	335
263100	PH4(Φ10)	500	625	460	450

264 Pozidriv Screwdriver



- GB/T 5358
- Cold Rolled
- Fasten and unload Pozidriv bolt

Number	Size	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
264001	PZ0(Φ3)	50	135	31	28
264002	PZ0(Φ3)	150	235	41	37
264003	PZ1(Φ4)	75	160	41	37
264004	PZ1(Φ4)	200	285	83	75
264005	PZ1(Φ5)	100	205	85	77
264006	PZ2(Φ6)	100	215	92	83
264007	PZ3(Φ8)	150	275	153	138
264008	PZ3(Φ8)	200	325	165	149
264009	PZ4(Φ9)	200	325	235	212

264 Torx Screwdriver



- ISO 8764
- Cold Rolled
- Fasten and unload trox bolt

Number	Size	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
264010	T3	70	155	70	63
264011	T4	70	155	70	63
264012	T5	70	155	70	63
264013	T5	75	160	70	63
264014	T5	80	165	70	63
264015	T6	70	155	70	63
264016	T6	75	160	70	63
264017	T7	70	155	70	63
264018	T7	75	160	70	63
264019	T7	80	165	70	63
264020	T8	70	155	70	63
264021	T9	70	155	70	63
264022	T10	75	180	70	63
264023	T15	75	180	70	63
264024	T20	100	215	100	95
264025	T25	125	240	105	100
264026	T27	125	140	105	100
264027	T27	135	250	105	100
264028	T27	150	385	110	105
264029	T30	150	265	110	100
264030	T40	200	325	165	155
264031	T45	250	375	185	175
264032	T50	300	425	205	195
264033	T55	350	500	245	225
264034	T60	400	550	280	255

264 Screwdriver Bit, Slotted



- Cold Rolled
- Hand operation on impact tools or electric tools.

Number	Size	L mm	Be-Cu (g)	Al-Cu (g)
264035	4.5mm	25	8	8
264036	6.5mm	25	8	8
264037	8mm	25	8	8

264 Screwdriver Bit, Phillips



- Cold Rolled
- Hand operation on impact tools or electric tools.

Number	Size	L mm	Be-Cu (g)	Al-Cu (g)
264038	PH1	25	8	8
264039	PH2	25	8	8
264040	PH3	25	8	8
264041	PH4	25	8	8

264 Screwdriver Bit, Pozidriv



- Cold Rolled
- Hand operation on impact tools or electric tools.

Number	Size	L mm	Be-Cu (g)	Al-Cu (g)
264042	PZ1	25	8	8
264043	PZ2	25	8	8
264044	PZ3	25	8	8
264045	PZ4	25	8	8

264 Screwdriver Bit, Hex



- Cold Rolled
- Hand operation on impact tools or electric tools.

Number	Size	L mm	Be-Cu (g)	Al-Cu (g)
264046	3mm	25	8	8
264047	4mm	25	8	8
264048	5mm	25	8	8
264049	6mm	25	8	8
264050	7mm	25	8	8
264051	10mm	25	8	8

264 Screwdriver Bit, Torx



- Cold Rolled
- Hand operation on impact tools or electric tools.

Number	Size	L mm	Be-Cu (g)	Al-Cu (g)
264052	T10	25	8	8
264053	T15	25	8	8
264054	T20	25	8	8
264055	T25	25	8	8
264056	T27	25	8	8
264057	T30	25	8	8
264058	T40	25	8	8

264 Pneumatic Screwdriver Bit (1/4")



- Cold Rolled
- Hand operation on impact tools or electric tools.

Number	size	L mm	Be-Cu (g)	Al-Cu (g)
264059	PH2	65	22	20

264 Pneumatic Screwdriver Bit , Slotted (1/4")



- Cold Rolled
- Hand operation on impact tools or electric tools.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
264060	4.5	50	16	15
264061	6.5	50	16	15
264062	8	50	17	15

264 Pneumatic Screwdriver Bit , Phillips (1/4")



- Cold Rolled
- Hand operation on impact tools or electric tools.

Number	size	L mm	Be-Cu (g)	Al-Cu (g)
264063	PH1	50	16	15
264064	PH2	50	16	15
264065	PH3	50	17	15
264066	PH4	50	17	15

264 Pneumatic Screwdriver Bit , Pozidriv (1/4")



- Cold Rolled
- Hand operation on impact tools or electric tools.

Number	size	L mm	Be-Cu (g)	Al-Cu (g)
264067	PZ1	50	16	15
264068	PZ2	50	16	15
264069	PZ3	50	17	15
264070	PZ4	50	17	15

264 Pneumatic Screwdriver Bit , Hex (1/4")



- Cold Rolled
- Hand operation on impact tools or electric tools.

Number	S mm	L mm	Be-Cu (g)	Al-Cu (g)
264071	1.5	50	16	15
264072	2	50	16	15
264073	2.5	50	16	15
264074	3	50	16	15
264075	4	50	17	15
264076	5	50	17	15
264077	6	50	17	15

264 Pneumatic Screwdriver Bit , Torx (1/4")



- Cold Rolled
- Hand operation on impact tools or electric tools.

Number	size	L mm	Be-Cu (g)	Al-Cu (g)
264078	T6	50	16	15
264079	T7	50	16	15
264080	T8	50	16	15
264081	T9	50	16	15
264082	T10	50	16	15
264083	T15	50	17	15
264084	T20	50	17	15
264085	T25	50	17	15
264086	T27	50	17	15
264087	T30	50	18	16
264088	T40	50	18	16

264 Ratchet Screwdriver



- Standard 1/4" screw head for comfortable grip.

Number	L mm	inch	Be-Cu (g)
264089	165	1/4	115

264 Manual Impact screwdriver set



- Cold Rolled
- Strong and durable, plastic case for convenient storage.

Number	size	PCS	Be-Cu g	Al-Cu g
264090	⌀ 8*72	2	825	750
	⊕ PH4*72	2		
	⌀ 8*36	1		
	⊕ PH4*36	1		

264 Adjustable Ratchet crewdriver



- Equipped with standard 1/4" screw head, multi-angle rotation, effectively avoid obstacles, handle comfortable holding.

Number	L mm	inch	Be-Cu (g)
264091	200	1/4	125

265 Slotted Screwdriver With Wooden Handle



- ISO 2380
- Cold Rolled
- Fasten and unload slotted bolt.

Number	B mm	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
265001	3	50	150	33	30
265002	3	75	175	37	33
265003	3	330	430	50	45
265004	3	350	450	50	45
265005	4	75	175	43	39
265006	4	100	200	46	41
265007	4.5	50	150	38	34
265008	5	75	175	45	41
265009	5	100	200	49	44
265010	6	100	200	63	57
265011	6	125	225	67	60
265012	6	150	250	72	65

265 Slotted Screwdriver With Wooden Handle



Number	B mm	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
265013	7	150	250	96	86
265014	8	150	250	114	103
265015	8	200	320	150	135
265016	9	250	370	196	176
265017	10	300	450	302	272
265018	11	250	400	295	266
265019	11	300	450	400	360
265020	11	350	500	400	360
265021	11	420	570	360	324
265022	12	400	550	400	360
265023	13	450	600	642	578
265024	15	250	400	390	351

266 Phillips Screwdriver With Wooden Handle



- ISO 8764
- Cold Rolled
- Fasten and unload phillips bolts (screw nail)

Number	size	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
266001	PH0(Φ3)	50	150	35	32
266002	PH0(Φ3)	75	175	40	36
266003	PH1(Φ4)	60	160	40	36
266004	PH1(Φ4)	75	175	41	37
266005	PH1(Φ5)	100	200	54	49
266006	PH2(Φ6)	100	200	68	61
266007	PH2(Φ6)	125	225	70	63
266008	PH2(Φ6)	150	250	72	65
266009	PH2(Φ6)	300	400	120	108
266010	PH3(Φ8)	200	320	150	135
266011	PH3(Φ8)	250	370	170	153

266 Phillips Screwdriver With Wooden Handle



- ISO 8764
- Cold Rolled
- Fasten and unload phillips bolts (screw nail)

Number	size	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
266012	PH4(Φ9)	300	450	260	234
266013	PH4(Φ9)	350	500	270	243
266014	PH4(Φ9)	400	550	328	295
266015	PH4(Φ9)	450	600	361	325
266016	PH4(Φ9)	500	650	405	365
266017	PH4(Φ9)	600	750	498	448



Safety Tools **G**

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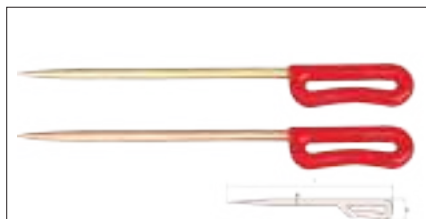
Safety Tools



Container & Lifting Machinery P171-P187

18 267001-332013

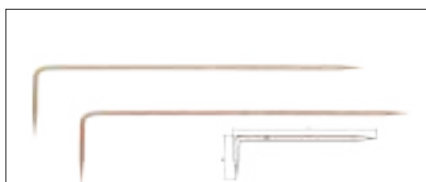
267 Marking Tool



- Q/ZBF-267
- Die forged
- Punch hole on the rubber plate, carton plate etc.

Number	Φ mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
267001	12	400	40	448	403
267002	16	600	50	1275	1148

268 Marking Tool



- Q/ZBF-268
- Cold Rolled
- Mark hole on the plastic plate, carton plate to be location.

Number	Φ mm	L mm	H mm	Be-Cu (g)	Al-Cu (g)
268001	4	187	32	22	20
268002	4	252	42	30	27
268003	10	280	75	115	105
268004	13	300	100	168	151

269 Awl



- Q/ZBF-269
- Cold Rolled
- Mark hole on the plastic plate, carton plate etc to be location

Number	Φ mm	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
269001	3	100	184	30	27
269002	3	120	204	33	30
269003	3	200	284	56	51
269004	5	100	205	53	47
269005	5	150	255	73	66
269006	6	100	215	81	74
269007	6	150	265	110	100
269008	8	138	265	185	168

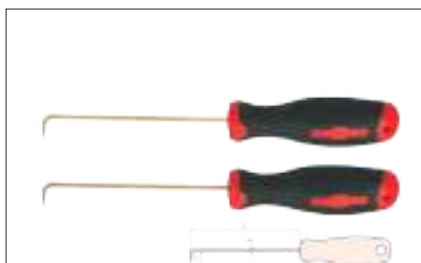
269 Dividers



- JB/T 3411.54
- Die forged
- Used for drawing circles, measuring distances or chart etc.

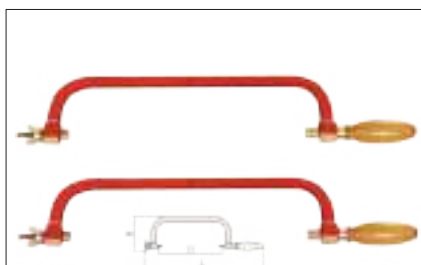
Number	Dmax mm	H mm	Be-Cu (g)	Al-Cu (g)
269009	200	200	182	164
269010	250	250	254	229
269011	300	300	368	331
269012	350	350	599	539
269013	400	400	754	679
269014	500	500	928	835

269 Awl, Bent



Number	Φ mm	L1 mm	H mm	Be-Cu (g)	Al-Cu (g)
269015	3	100	10	50	45

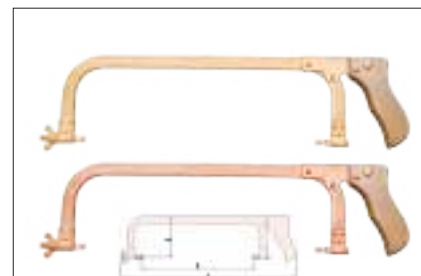
270 Hacksaw Frame



- QB/T 1108
- Precision Casting
- Installed hacksaw blade, cut rubber plastic, aluminium pipe etc.

Number	L mm	D mm	H mm	Be-Cu (g)	Al-Cu (g)
270001	500	300	110	544	490

270 Hacksaw Frame



- QB/T 1108
- Precision Casting
- Installed hacksaw blade, cut rubber plastic, aluminium pipe etc

Number	L mm	D mm	H mm	Be-Cu (g)	Al-Cu (g)
270002	470	300	90	688	619

271 Hacksaw Blade



- QB/T 14764
- Cold Rolled
- Installed on hacksaw frame, cut rubber, plastic, aluminium pipe etc.

Number	L mm	B mm	Be - Cu (g)
271001	300	12	35

272 Hand saw



- QB/T 2094.5
- Cold Rolled
- Sawing the narrow hole and small parts

Number	L mm	H mm	Be-Cu (g)	Al-Cu (g)
272001	300	114	125	115
272002	370	114	156	140

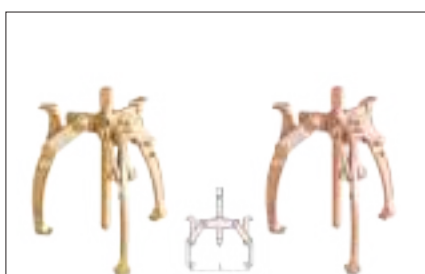
272 Hand saw



- QB/T 2094.6
- Cold Rolled
- Sawing expensive wood and soft material

Number	L mm	B mm	Be-Cu (g)	Al-Cu (g)
272003	700	35	542	488

273 3 Leg Gear Puller



- JB/T 3411.51
- Die forged
- Unload bearing, gear, connector, change belt wheel etc

Number	Lmax mm	Be-Cu (g)	Al-Cu (g)
273001	100	1200	1090
273002	150	2800	2540
273003	200	5720	5200
273004	250	7370	6700
273005	350	10470	9520

273 2 Leg Gear Puller



- JB/T 3411.50
- Die forged
- Unload non-circular machine parts instead of 3 leg gear puller.

Number	Lmax mm	Be-Cu (g)	Al-Cu (g)
273006	100	890	865
273007	150	2065	1880
273008	200	4275	3885
273009	350	8200	7455

273 Hydraulic Gear Puller



- Q/ZBF-273B
- Die forged
- Widely used to remove the disc, gears, bearings, pulley, etc.
- Saving energy, prevent slippery, not by space limit

Number	Safe load T	Φ mm	Be-Cu (g)	Al-Cu (g)
273010	5	200	7940	7210
273011	10	250	11530	10480
273012	20	350	20160	18330
273013	30	400	26200	25000
273014	50	500	45700	43500

274 G 型夹



- JB/T 3411.49
- Die forged
- Fastening tool.

Number	Kmax mm	B mm	Be-Cu (g)	Al-Cu (g)
274001	60	36	1183	1065
274002	80	36	1417	1275
274003	100	36	1621	1459
274004	150	50	2142	1928
274005	250	153	5945	5351

274 Clamp



- Q/ZBF-274A
- Precision Casting
- Fastening tool.

Number	Kmax mm	B mm	Be-Cu (g)	Al-Cu (g)
274006	19	19	116	105
274007	115	75	5713	5194
274008	165	90	11100	10000

274 Clamp



- Q/ZBF-274B
- Precision Casting
- Fastening tool.

Number	Kmax mm	B mm	Be-Cu (g)	Al-Cu (g)
274009	25	26	245	220
274010	38	31	370	335
274011	50	36	468	425
274012	75	46	880	800
274013	100	56	1520	1380

275 Fork, Three Prong



- Q/ZBF-275
- Precision Casting
- Unclogging and readjusting tool.

Number	B mm	H mm	L mm	Be-Cu (g)	Al-Cu (g)
275001	120	50	1000	525	473
275002	120	105	1000	1050	945
275003	200	185	900	2346	2111

276 Fork, Four Prong



- Q/ZBF-276
- Precision Casting
- Unclogging and readjusting tool.

Number	B mm	L1 mm	L mm	Be-Cu (g)	Al-Cu (g)
276001	200	327	1100	2805	2525

277 Cleaning Rust Rake



- Q/ZBF-277
- Precision Casting
- Unclogging and readjusting tool.

Number	B mm	H mm	L mm	Be-Cu (g)	Al-Cu (g)
277001	98	105	350	979	881

278 Oil Funnel



- Q/ZBF-278
- Cold Rolled
- Channel liquids to the vessel with small mouth.
- Material: Be-Cu

Number	Φ mm	H mm	g
278001	130	120	242
278002	160	130	263
278003	160	150	288
278004	170	160	305
278005	265	210	695

278 Oil Funnel



- Adopting Wedo-German technology, used by special copper alloy sheet, the whole body is made by strong spinning, no splicing, uniform in thickness
- Completely replaced the traditional technology of the hand-made non-sparking bucket which is rolled edge, material splicing and relying on the welding seam slugging process.
- Seamless, environmental friendly, tight, long service life.
- Material: Brass Copper

Number	Φ mm	H mm	g
278006	160	130	326
278007	160	150	323

279 Portable Oil Pump



- Q/ZBF-279
- Cold Rolled
- Dip up the liquids.
- Material: Be-Cu Brass Copper

Number	Φ mm	H mm	g
279001	165	1100	2312

279 Manual Portable Oil Pump



Patent No. ZL2014207144142X

- Q/ZBF-293
- Precision Casting
- Drawing all kinds of liquids oil

Number	D mm	L mm	Be-Cu (g)	Al-Cu (g)
279002	25	1300	5423	5304

280 Oil Dipper



- Q/ZBF-280
- Cold Rolled
- Dip up the liquids.
- Material: Brass Copper

Number	Size ml	L mm	Copper (g)	Brass (g)
280001	50	430	110	100
280002	100	430	150	140
280003	250	430	225	210
280004	500	440	350	330

280 Bucket



- Q/ZBF-280A
- Cold Rolled
- Store liquids
- Material: Brass Copper

Number	Size L	H mm	g
280005	10	300	1824
280006	20	370	2540

280 Bucket



- Q/ZBF-280B
- Cold Rolled
- Widely used in pharmaceutical, chemical, oil, coal and other potential explosive environment, long nose design convenient refueling equipment or container of small mouth.
- Material: Brass Copper

Number	Size L	H mm	g
280007	10	325	1834

280 Hand Cadger



- Q/ZBF-280C
- Cold Rolled
- Widely used in pharmaceutical, chemical, oil, coal and other potential explosive environment, long nose design easy to use, for equipment maintenance.
- Material: Brass Copper

Number	Size L	H mm	g
280008	2	100	611

280 Bottom Deposit Sampler



- Q/ZBF-280D
- Cold Rolled
- In oil refinery, oil tank, oil depot, the collection of the sample at the bottom of container.
- Material: Brass Copper

Number	Size ml	D mm	H mm	g
280009	300	50	150	550
280010	500	65	150	1305
280011	1000	80	200	2200

280 Double Tube Stratified Sampler



- Extract powder and granular items, rotate the handle, you can quickly open and close, convenient for quick sampling, easy to operate.

Number	L mm	Be-Cu (g)	Al-Cu (g)
280012	800	1100	1030

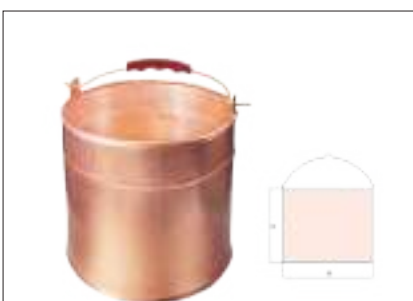
280 Sampling Apparatus



- Extract powder and granular items, rotate the handle, you can quickly open and close, convenient for quick sampling, easy to operate.

Number	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
280013	38	1500	4000	3650

281 Bucket



- Q/ZBF-281
- Cold Rolled
- Store the liquids.
- Material: Be-Cu

Number	Size L	Φ mm	H mm	g
281001	14	270	248	1592

281 Bucket



- Q/ZBF-281A
- Cold Rolled
- Store liquids.
- Material: Be-Cu

Number	Size L	H mm	g
281002	1	150	420
281003	3	165	850
281004	5	180	1100
281005	10	250	1550
281006	15	280	2160

281 Bucket



- Q/ZBF-281B
- Cold Rolled
- Store liquids, mostly used for fire-fighting.
- Material: Be-Cu

Number	Size L	H mm	g
281007	10	250	1200
281008	15	280	1550

281 Spinning Seamless Bucket



- Q/ZBF-280C
- Cold Rolled
- Widely used in pharmaceutical, chemical, oil, coal and other potential explosive environment, long nose design easy to use, for equipment maintenance.
- Material: Copper Brass

Number	Size L	Φ mm	H mm	Copper (g)	Brass (g)
281009	5	195	180	1350	1106
281010	14	270	250	2123	1980
281011	20	300	320	2518	2320

281 Spinning Seamless Fire Bucket



- Adopting Wedo-German technology, used by special copper alloy sheet, the whole body is made by strong spinning, no splicing, uniform in thickness
- Completely replaced the traditional technology of the hand-made non-sparking bucket which is rolled edge, material splicing and relying on the welding seam slugging process.
- Seamless, environmental friendly, tight, long service life

Number	Size L	H mm	Copper (g)	Brass (g)
281012	10	250	1633	1568
281013	15	280	1969	1874

281 Spinning Seamless Bucket



- Adopting Wedo-German technology, used by special copper alloy sheet, the whole body is made by strong spinning, no splicing, uniform in thickness
- Completely replaced the traditional technology of the hand-made non-sparking bucket which is rolled edge, material splicing and relying on the welding seam slugging process.
- Seamless, environmental friendly, tight, long service life

Number	Size L	Φ mm	H mm	Copper (g)	Brass (g)
281014	5	195	180	1685	1457
281015	14	270	250	2929	2754

281 Spinning Seamless Fire Bucket



- Adopting Wedo-German technology, used by special copper alloy sheet, the whole body is made by strong spinning, no splicing, uniform in thickness
- Completely replaced the traditional technology of the hand-made non-sparking bucket which is rolled edge, material splicing and relying on the welding seam slugging process.
- Seamless, environmental friendly, tight, long service life

Number	Size L	H mm	Copper (g)	Brass (g)
281016	10	250	1660	1450
281017	15	280	2950	2550

282 Dustpan



- Q/ZBF-282 ● Cold Rolled
- Gather granular thing and trash.
- Material: Be-Cu Brass Copper

Number	L mm	B mm	H mm	Copper (g)	Brass (g)
282001	150	130	20	196	171
282002	175	130	50	355	323
282003	200	200	50	440	439
282004	270	250	50	653	629
282005	300	270	50	748	680
282006	300	300	50	830	755

282 Dustpan



- Q/ZBF-282A ● Cold Rolled
- Gather granular thing and trash.
- Material: Be-Cu Brass Copper

Number	L mm	B mm	H mm	Copper (g)	Brass (g)
282007	150	130	20	196	171
282008	200	200	50	440	439
282009	270	250	50	653	629

282 Dustpan



- Q/ZBF-282 ● Cold Rolled
- Gather granular thing and trash.
- Material: Be-Cu Brass Copper

Number	L mm	B mm	H mm	L1 mm	g
282010	250	270	50	600	900
282011	250	270	50	700	1000

283 Scoop, Sugar



- Q/ZBF-283 ● Cold Rolled
- Scoop all kinds of granular thing and liquids.
- Material: Brass Copper

Number	Size L	L mm	H mm	Φ1 mm	Φ2 mm	g
283001	1.5	320	80	160	135	384

283 Scoop, Sugar



- Q/ZBF-283A ● Cold Rolled
- Gather granular thing.
- Material: Brass Copper

Number	B mm	L mm	g
283002	75	230	287
283003	140	400	808

283 Scoop



- Q/ZBF-283B
- Cold Rolled
- Scoop all kinds of granular things and liquids.

Number	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
283004	112	500	830	747

283 Strainer



- Q/ZBF-283C
- Cold Rolled
- Take something from the liquids.
- Material: Brass Copper

Number	Φ mm	L mm	g
283005	300	600	1463

283 Basin



- Q/ZBF-283D
- Cold Rolled
- Containing articles.
- Material: Brass Copper

Number	D mm	Copper (g)	Brass (g)
283006	390	1559	1453
283007	465	2082	1864
283008	600	4825	4386

283 Scoop, Sugar



- Q/ZBF-283E
- Cold Rolled
- Gather granular thing.
- Material: Brass Copper

Number	B mm	L mm	g
283009	85	300	397
283010	110	300	466

283 Oil Pans



- Stamping integrated forming, no splicing, no gap, tight, long life, wide edge design, easy to move.

Number	Specifications mm	g
283011	540*380*100	2587

283 Antique Basin



- Stamping integrated forming, no splicing, no gap, tight, long life, wide edge design, easy to move.

Number	D mm	Copper (g)	Brass (g)
283012	445	1870	1744

284 Brush, Flat Back, Scratch



- Q/ZBF-284
- Wire Drawing
- Cleaning the metal surface.
- Material: Phosphor Copper Brass

Number	L*B mm	Rows	H mm	g
284001	205*48	6*16	41	318

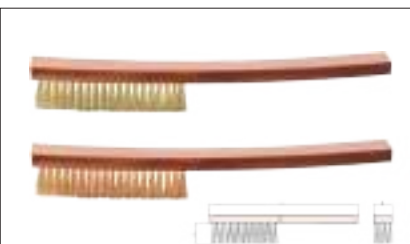
285 Brush



- Q/ZBF-285
- Wire Drawing
- Cleaning the metal surface.
- Material: Phosphor Copper Brass

Number	L*B mm	Rows	H mm	g
285001	290*29	4*16	28	192

285 Brush



- Q/ZBF-285A
- Wire Drawing
- Cleaning the metal surface.
- Material: Phosphor Copper Brass

Number	L*B mm	Rows	H mm	g
285002	350*28	4*19	30	217

286 Brush



- Q/ZBF-286
- Wire Drawing
- Cleaning the metal surface.
- Material: Phosphor Copper Brass

Number	L*B mm	Rows	H mm	g
286001	215*29	6*15	15	92

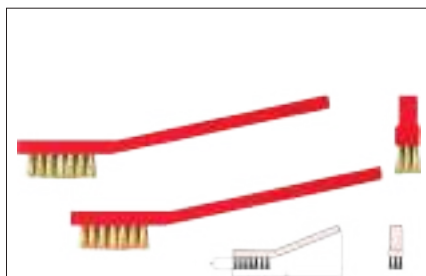
286 Brush, shoe handle



- Q/ZBF-286A
- Wire Drawing
- Cleaning the metal surface.
- Material: Phosphor Copper Brass

Number	L mm	Rows	H mm	g
286002	255	4*16	30	197

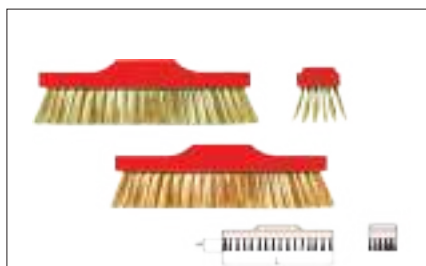
286 Brush,spark-plug cleaning



- Q/ZBF-286B ● Wire Drawing
- Cleaning the metal surface.
- Material: Phosphor Copper Brass

Number	L mm	Rows	H mm	g
286003	196	3*7	13	30

286 Broom,round wire



- Q/ZBF-286C ● Wire Drawing
- Cleaning the metal surface.
- Material: Phosphor Copper Brass

Number	L mm	Rows	H mm	g
286004	310	6*25	55	980

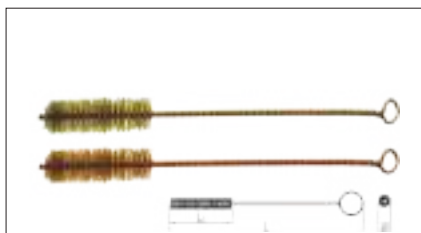
286 Scrubbing Broom,round wire



- Q/ZBF-286D ● Wire Drawing
- Cleaning the metal surface.
- Material: Phosphor Copper Brass

Number	L mm	Rows	H mm	g
286005	210	6*17	40	378

287 Brush,Tube



- Q/ZBF-287 ● Wire Drawing
- Cleaning the metal surface.
- Material: Phosphor Copper Brass

Number	Φ mm	L1 mm	L mm	g
287001	20	100	320	42

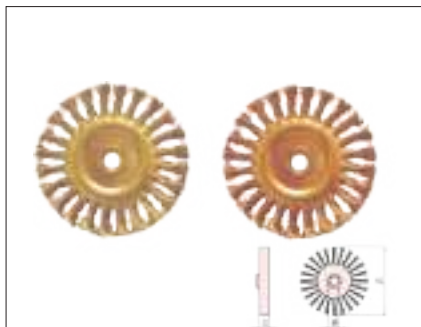
288 Brush,Wheel



- Q/ZBF-288 ● Wire Drawing
- Cleaning the metal surface.
- Material: Phosphor Copper Brass

Number	Φ mm	Φ1 mm	H mm	g
288001	75	6	10	94

289 Wheel Brush,knot Wire



- Q/ZBF-289 ● Wire Drawing
- Cleaning the metal surface.
- Material: Phosphor Copper Brass

Number	Φ mm	M mm	H mm	g
289001	125	14	15	374

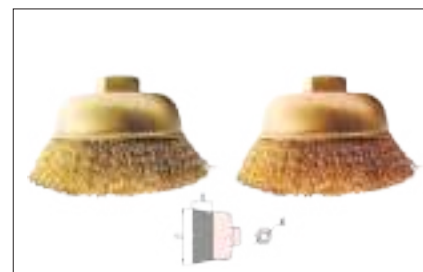
289 Brush,Wheel,Crimped Wire



- Q/ZBF-289A ● Wire Drawing
- Cleaning the metal surface.
- Material: Phosphor Copper Brass

Number	Φ mm	M mm	H mm	g
289002	125	14	15	370

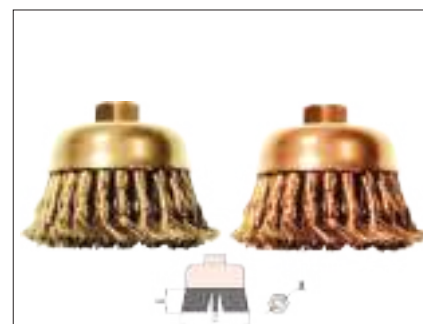
290 Brush,Cup



- Q/ZBF-290 ● Wire Drawing
- Cleaning the metal surface.
- Material: Phosphor Copper Brass

Number	Φ mm	M mm	H mm	g
290001	100	14	30	432

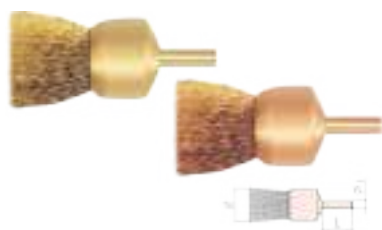
290 Cup Brush,knot wire



- Q/ZBF-290A ● Wire Drawing
- Cleaning the metal surface.
- Material: Phosphor Copper Brass

Number	Φ mm	M mm	H mm	g
290002	100	14	30	638

290 Brush, End



- Q/ZBF-290B ● Wire Drawing
- Cleaning the metal surface.
- Material: Phosphor Copper Brass

Number	Φ mm	Φ1 mm	L mm	g
290003	26	6	25	118

290 Brush, Ball



- Q/ZBF-290C ● Wire Drawing
- Cleaning the metal surface

Number	g
290004	18

291 Hoe



- Q/ZBF-291 ● Precision Casting
- Excavating soil or run sands and stones

Number	B mm	H mm	L mm	Be-Cu (g)	Al-Cu (g)
291001	130	130	860	1658	1562
291002	200	200	1050	2668	2471

292 Shackle



- Q/ZBF-292 ● Precision Casting
- Connect wire rope or chain, unload easily.

Number	Size T	K mm	H mm	Be-Cu (g)	Al-Cu (g)
292001	1	30	40	132	119
292002	2	33	45	510	459
292003	3	37	78	918	826
292004	5	45	110	1805	1625
292005	10	60	120	4314	3883

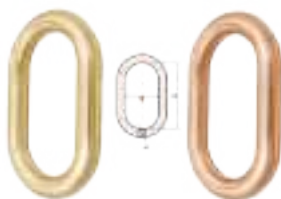
292 Shackle, Inch



- Q/ZBF-292 ● Precision Casting
- Connect wire rope or chain, unload easily.

Number	d inch	K mm	H mm	Be-Cu (g)	Al-Cu (g)
292006	3/16	10	25	15	14
292007	1/4	13	51	32	30
292008	3/8	19	42	115	105
292009	7/16	25	50	175	160
292010	9/16	28	64	360	325

292 Master Link



- With chain, rigging, etc., hoisting use.

Number	Capacity T	L mm	B mm	d mm	Be-Cu (g)	Al-Cu (g)
292011	3	140	70	19	1000	900
292012	5	160	90	22	1550	1400
292013	15	220	110	35	5750	5200

292 Safety Buckle



- With chain, rigging, etc., hoisting use.

Number	L mm	d mm	Be-Cu (g)	Al-Cu (g)
292014	80	8	75	70

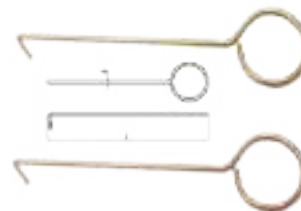
294 Barrel Hook, Adjustable



- Q/ZBF-294 ● Precision Casting
- Pick up the oil bucket.

Number	H kg	K mm	Be-Cu (g)	Al-Cu (g)
294001	700	1060	3438	3070

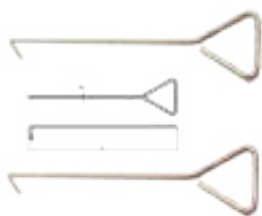
294 Well Cover Hook



- Q/ZBF294A/B
- Precision casting
- It's easy to hook up the manhole cover and move.

Number	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
294002	10	500	520	468
294003	10	600	570	513
294004	10	700	770	693
294005	10	800	850	765

294 Well Cover Hook



- Q/ZBF294A/B
- Precision casting
- It's easy to hook up the manhole cover and move.

Number	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
294006	10	500	520	468
294007	10	600	570	513
294008	10	700	770	693
294009	10	800	850	765

294 Well Cover Hook



- Q/ZBF294A/B
- Precision casting
- It's easy to hook up the manhole cover and move.

Number	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
294010	8	750	590	535

294 Well Cover Hook



- Q/ZBF294A/B
- Precision casting
- It's easy to hook up the manhole cover and move.

Number	B mm	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
294011	10	12	900	1080	980

295 Screw Clamp



- Q/ZBF-295
- Die forged
- Clamping or fixing tools

Number	B mm	Kmax mm	Be-Cu (g)	Al-Cu (g)
295001	120	400	2223	2000

296 Rake



- Q/ZBF-296
- Precision Casting
- Planishing tools.

Number	H mm	B mm	L mm	Be-Cu (g)	Al-Cu (g)
296001	100	350	1270	1938	1744
296002	120	450	1275	2223	2000

297 Chisel



- QB/T 1201
- Die forged
- Woodworking tool.

Number	B mm	L mm	Be-Cu (g)	Al-Cu (g)
297001	14	280	224	202
297002	18	320	295	266

298 Rake



- Q/ZBF-298
- Precision Casting
- Planishing tools

Number	H mm	B mm	L mm	Be-Cu (g)	Al-Cu (g)
298001	150	300	1130	2090	1900
298002	200	300	1130	2570	2080

299 Rake



- Q/ZBF-299
- Precision Casting
- Planishing tools.

Number	H mm	B mm	L mm	Be-Cu (g)	Al-Cu (g)
299001	80	160	780	816	734
299002	100	350	1000	2350	2115

300 Fire Hook



- Q/ZBF-300
- Precision Casting
- Fire-fighting tool.

Number	L mm	L1 mm	Be-Cu (g)	Al-Cu (g)
300001	270	1215	1122	1010

301 Self Locking Pipe Vice



- QB/T 2211
- Precision Casting
- Fixing or Cutting pipe.

Number	D mm	Be-Cu (g)	Al-Cu (g)
301001	10-60	5013	4550
301002	10-90	5939	5400
301003	15-115	10537	9580
301004	30-220	29453	26700
301005	30-300	38000	35000

302 Chain Adjuster



- Q/ZBF-302
- Precision Casting
- Suitable for chain rigging when lifting goods, adjust the length of the chain.

Number	S mm	Load T	L mm	Be-Cu (g)	Al-Cu (g)
302001	6	1.12	73	225	200
302002	8	2	100	500	450
302003	10	3.15	137	1111	1002

303 Safety Belt



- GB6095-2009
- Electrical installation and maintenance operations, ensure the security of person.

Number	Size	g
303001	全身型	1200
303002	双肩型	1000

304 Tube Bender



- Q/ZBF-304
- Precision Casting
- Suitable for manual bend copper tube, aluminum tube etc, maximum bending Angle of 180 degrees.

Number	Size Φ (mm)	Be-Cu (g)	Al-Cu (g)
304001	6/8/10	967	879

304 Tube Bender



- Q/ZBF-304
- Precision Casting
- Suitable for manual bend copper tube, aluminum tube etc, maximum bending Angle of 180 degrees.

Number	Size Φ (mm)	Be-Cu (g)	Al-Cu (g)
304002	12	1246	1133
304003	14	2466	2242

305 Pipe Cutter



- QB/T 2350
- Precision Casting
- Cutting the pipe.

Number	D inch	D mm	Be-Cu (g)	Al-Cu (g)
305001	3/8-2	10-50	2284	2056
305002	3/8-3	10-75	4314	3883

305 Pipe Cutter



- QB/T 2350
- Precision Casting
- Cutting the pipe.

Number	D inch	D mm	Be-Cu (g)	Al-Cu (g)
305003	4-6	100-150	12128	11025
305004	8-12	200-300	21000	19000

306 Hydraulic Pallet Truck



- Q/ZBF-306
- Precision Casting
- Carrying and Lifting all kinds of machine etc.

Number	Load kg	L mm	H mm	B1 mm	B2 mm	
306001	1000	1100	1160	140	530	
	h1 mm	h2 mm	Φ1 inch	Φ2 inch	Be-Cu kg	Al-Cu kg
	90	190	7	3	110	105

Number	Load kg	L mm	H mm	B1 mm	B2 mm	
306002	2000	1135	1160	145	540	
	h1 mm	h2 mm	Φ1 inch	Φ2 inch	Be-Cu kg	Al-Cu kg
	90	190	7	3	129	118

Number	Load kg	L mm	H mm	B1 mm	B2 mm	
306003	3000	1190	1160	160	545	
	h1 mm	h2 mm	Φ1 inch	Φ2 inch	Be-Cu kg	Al-Cu kg
	90	190	7	3	148	135

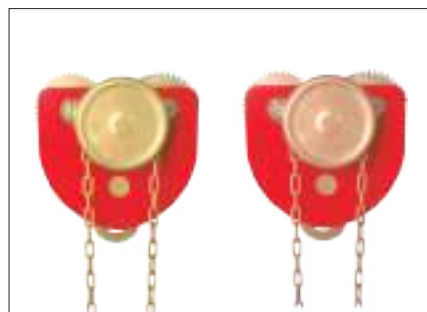
306 Platform hand truck



- Q/ZBF306B
- Used in flammable and explosive places, push and pull smooth and freely, weak people are also easy to carry.

Number	Load kg	Length mm	Width mm	Height mm	kg
306004	300	2000	1500	1000	98

307 Trolley For Chain Hoist (Pull Type)



- JB/T 7332 ● Die forged
- Designed to combine with chain hoist to form a lifting machine. Moving along the slide-way of the I-Beam, easy to be pulled by hand.

Number	Capacity T	Lifting m	I-Beam Width mm	kg
307001	0.5	2.5	68-94	17
307002	1	2.5	68-100	17
307003	2	2.5	94-124	27
307004	3	3	116-140	30
307005	5	3	142-180	42
307006	10	3	142-180	68
307007	16	3	142-180	170

307 Oil drum handing trolley



- Q/ZBF306A
- In inflammable and explosive places, it is suitable for handling ordinary 55 gallon steel oil drum and 200L double plastic closed and open plastic oil drums.

Number	Load kg	Length mm	Width mm	Height mm	kg
307008	450	1450	700	850	22.5

307 Trolley For Chain Hoist (Pull Type)



- JB/T 7332 ● Die forged
- Designed to combine with chain hoist to form a lifting machine.
- Moving along the slide-way of the I-Beam, easy to be pulled by hand

Number	Capacity T	Lifting m	I-Beam Width mm	kg
307009	0.5	2.5	68-94	13
307010	1	2.5	68-100	14
307011	2	2.5	94-124	22
307012	3	3	116-140	24
307013	5	3	142-180	34
307014	10	3	142-180	68
307015	16	3	142-180	170
307016	20	3	142-180	170

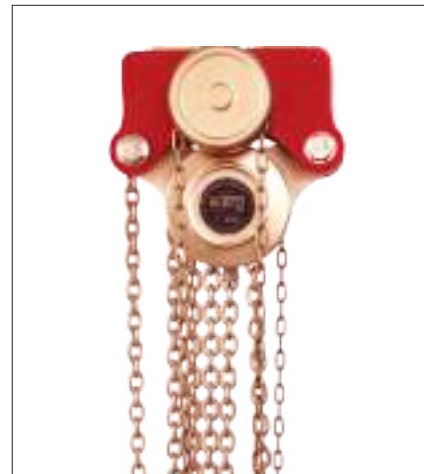
307 Trolley For Chain Hoist, Steerable



- The steerable trolley installed hand chain drives the monorail in the flammable and explosive workshop, which can be used in conjunction with the hand hoist for flexible steering operation.
- Beryllium Copper alloy, Aluminum bronze alloy.

Number	Capacity T	Lifting m	I-Beam Width mm	kg
307025	1	2.5	68-100	15

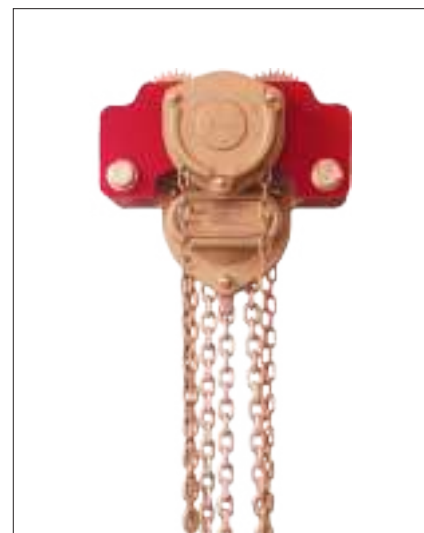
307 Chain Hoist With Trolley



- Q/ZBF-307C ● Die forged
- Used for lifting or lowering heavy loads in a confined space.

Number	Capacity T	Lifting m	I-Beam Width mm	kg
307017	0.5	2.5	68-94	23
307018	1	2.5	68-100	28
307019	2	2.5	94-124	40
307020	3	3	116-140	42

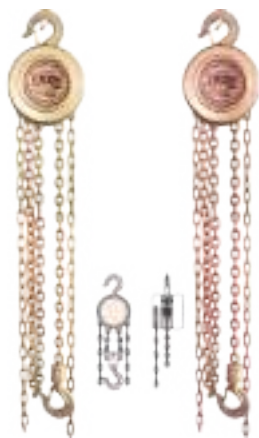
307 Chain Hoist With Trolley



- Q/ZBF-307D ● Die forged
- Used for lifting or lowering heavy loads in a confined space.

Number	Capacity T	Lifting m	I-Beam Width mm	kg
307021	0.5	2.5	68-94	25
307022	1	2.5	68-100	35
307023	2	2.5	94-124	48
307024	3	3	116-140	50

308 Chain Hoist



PATENT NO: ZL200310109687.4

- JB/T 7334 ● Die forged
- The simple lifting machine, used for lifting or lowering heavy loads.

Number	Capacity T	Lifting m	kg
308001	0.5	2.5	10
308002	1	2.5	14
308003	1.5	2.5	20
308004	2	2.5	22
308005	3	3	24
308006	5	3	38
308007	10	3	70
308008	16	3	192
308009	20	3	195

308 Ratchet Lever Hoist



- Q/ZBF-308B
- Die forged
- The ratchet lever hoist is a versatile tool used in a wide variety of applications, both in industry and in the private sector. Its versatility allows it to be used in confined spaces, and also allows for heavy loads to be maneuvered and positioned safely and efficiently.

Number	Capacity T	Lifting m	kg
308016	0.75	1.5	7
308017	1.5	1.5	10
308018	3	1.5	18
308019	6	1.5	32
308020	9	1.5	47

308 Chain Hoist



- Q/ZBF-308A ● Die forged
- The simple lifting machine, used for lifting or lowering heavy loads.

Number	Capacity T	Lifting m	kg
308010	0.5	2.5	11
308011	1	2.5	16
308012	1.5	2.5	22
308013	2	2.5	25
308014	3	3	27
308015	5	3	38

308 Come Along



- Q/ZBF-308C ● Die forged
- Used to strain wires in overhead line construction

Number	Size T	kg
308021	1	3
308022	2	4.5
308023	3	6.3
308024	4	7.8

309 Torque Wrench



- GB/T 15729 ● Die forged
- Used to precisely apply a specific torque to fasteners like bolts and nuts.

Number	C inch	Torque N.m	L mm	Be-Cu (g)	Al-Cu (g)
309001	1/4	25	207	165	150
309002	3/8	100	310	600	540
309003	1/2	260	490	1340	1210
309004	3/4	450	560	2050	1930
309005	1	900	700	4720	4290

309 Lock Torque Wrench-Window Display



- GB/T 15729 ● Die forged
- Used to precisely apply a specific torque to fasteners like bolts and nuts. plastic handle, humanization design, comfortable hand

Number	C inch	Torque N.m	L mm	Be-Cu (g)	Al-Cu (g)
309006	1/4	5-25	265	500	455
309007	3/8	10-50	295	608	543
309008	1/2	20-100	395	1062	948
309009	1/2	40-200	470	1348	1204
309010	1/2	50-260	575	2165	1933
309011	3/4	150-670	1085	5846	5220
309012	1	300-900	1340	8100	7364

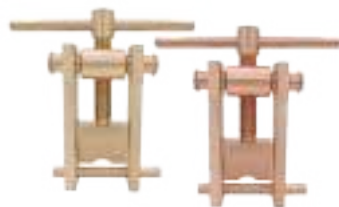
309 Torque Wrench- Window Display



- GB/T 15729 ● Die forged
- Used to precisely apply a specific torque to fasteners like bolts and nuts. plastic handle, humanization design, comfortable hand

Number	接口尺寸 mm	扭力范围 N.m	L mm	Be-Cu (g)	Al-Cu (g)
309013	9*12	5-25	245	400	370
309014	9*12	5-60	275	440	410
309015	9*12	10-110	360	730	680
309016	14*18	40-200	455	1000	960
309017	14*18	50-350	550	1850	1740
309018	14*18	100-500	600	2000	1900

310 Flange Prop



- Q/ZBF-310
- Die forged
- Unloading or welding the flange.

Number	Size mm	Be-Cu (g)	Al-Cu (g)
310001	FZM16-24	5691	5122
310002	FZM27-36	7497	6747

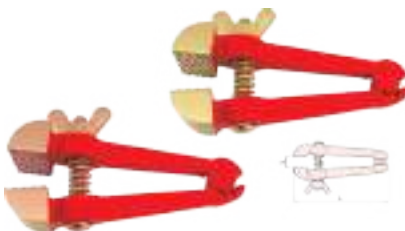
311 Parallel Vice



- QB/T 1588.2
- Precision Casting
- Bench tool, clamping the parts.

Number	B mm	Kmax mm	Be-Cu (g)	Al-Cu (g)
311001	90	90	7129	5980
311002	125	125	13580	12525
311003	150	150	14183	12894
311004	170	170	14739	12903

311 Hand Vice



- Q/ZBF-311A
- Precision Casting
- Clamping the small parts.

Number	K mm	L mm	Be-Cu (g)	Al-Cu (g)
311005	50	165	915	830

312 Drill Bit



- Q/ZBF-312 ● Die forged
- It is a cutting tools used to create cylindrical holes.

Number	Φ mm	L mm	Be-Cu (g)
312001	1	50	10
312002	2	50	10
312003	2.5	55	10
312004	3	60	10
312005	4	100	14
312006	4	110	18
312007	4	150	20
312008	5	80	10
312009	5	90	16
312010	5	100	18
312011	5	150	22
312012	6	100	19
312013	6	110	22
312014	7	120	29
312015	8	140	43
312016	8	65	25
312017	9	160	60
312018	10	100	64
312019	10	180	79
312020	11	200	108

312 Drill Bit



- Q/ZBF-312 ● Die forged
- It is a cutting tools used to create cylindrical holes.

Number	Φ mm	L mm	Be-Cu (g)
312021	12	220	140
312022	13	240	193
312023	14	260	232
312024	15	280	239
312025	16	300	341
312026	16	450	525
312027	17	300	382
312028	18	320	436
312029	19	320	505
312030	20	320	550
312031	20	330	572
312032	22	320	648
312033	24	330	721

312 Drill Bit, Inch



- Q/ZBF-312 ● Die forged
- It is a cutting tools used to create cylindrical holes.

Number	Φ inch	L mm	Be-Cu (g)
312034	1/16	45	10
312035	3/32	50	12
312036	1/8	60	10
312037	3/16	90	12
312038	1/4	110	10
312039	5/16	145	10

313 Releasing Static Device



- Q/ZBF-313
- Die forged
- Applied to eliminate human static in flammable and explosive environment.

Number	L mm	D mm	Be-Cu (g)	Al-Cu (g)
313001	1150	90	3900	3700

313 Releasing Static Device



- Q/ZBF-313B
- Die forged
- Applied to eliminate human static in flammable and explosive environment.

Number	L mm	D mm	Be-Cu (g)	Al-Cu (g)
313002	1000	90	2959	2907

314 Screw Jack



- JB/T 2592
- Die forged
- Commonly used for lifting heavy weights

Number	Model	Capacity T	MIN.H mm	Lifting mm
314001	FBQL3.2	3.2	220	110
314002	FBQL 5	5	250	130
314003	FBQL10	10	280	150
314004	FBQL16	16	320	180
314005	FBQL20	20	325	180
314006	FBQL25	25	395	200
314007	FBQL32	32	395	200
314008	FBQL50	50	452	250



315 Packing tool



- Q/ZBF-315
- Die forged
- Tools used for drawing and fitting packing

Number	Be-Cu (g)	Al-Cu (g)
315001	900	800

315 Packing hook



- Q/ZBF315A
- Precision casting
- It's easy to hook up and move.

Number	D mm	L mm	Be-Cu (g)	Al-Cu (g)
315002	8	470	225	205

315 Hook, with Wooden Handle



- Q/ZBF315B
- Precision casting
- It's easy to hook up and move.

Number	D mm	L mm	Be-Cu (g)	Al-Cu (g)
315003	6	250	225	205

316 Hydraulic Cylinder



- Q/ZBF-316 ● Die forged
- Commonly used for lifting heavy weights

Number	Model	Height mm	Lifting mm	△ g
316001	ZBYG-10T	48	58	1600
316002	ZBYG-20T	56	67	2700
316003	ZBYG-30T	62	75	4600
316004	ZBYG-50T	72	88	7800

316 Hydraulic Pumps



- Q/ZBF-316 ● Die forged
- Commonly used for lifting heavy weights

Number	Model	Working Pressure MPa	oil capacity cc	△ g
316005	ZBB-700C	70	60-350	5500

317 Ruler



- Q/ZBF-317 ● Cold Rolled
- Used for measurement.

Number	Size mm	Be-Cu g	Al-Cu g
317001	150	40	36
317002	200	50	45
317003	300	95	86
317004	500	143	129
317005	1000	460	414

318 T Square



- Q/ZBF-318 ● Cold Rolled
- Explosion-proof T square, Mostly used for drawing and measure.

Number	Size mm	△ g
318001	1000	1479

319 Filler Gauge



- Q/ZBF-319
- Cold Rolled
- Consists of a set of thin gauge from 0.05mm to 1.00 mm, for measuring the gap size.

Number	Size mm	L mm	△ g
319001	0.05-1.0	100	70

320 L- Square Ruler



- Q/ZBF-320 ● Cold Rolled
- Used to test work-piece verticality and the relative position of work-piece verticality etc.

Number	Size mm	Be-Cu (g)	Al-Cu (g)
320001	150*300	153	138
320002	250*500	204	183

321 Vernier Caliper (Brass & Chrome Plated)



Number	Division Value mm	Range mm	△ g
321001	0.02	0-150	150

322 Master Link



- With chain, rigging, etc., hoisting use.

Number	range m	L mm	mm	△ g
322001	5	220	22*120	615
322002	10	220		625
322003	15	220		635
322004	20	220		645
322005	30	220		660

323 Block Device



- Die Forged
- Oil drum cover for special purpose

Number	Φ mm	L mm	Be-Cu (g)	Al-Cu (g)
323001	35	390	2183	1964
323002	70	390	2958	2662

324 Copper Lock



● For oil tanks, fuel tanks, gas stations, can be used with copper chain, there are ordinary and long options.

Number	H mm	B mm	D mm	Brass (g)
324001	18.5	15	5	85
324002	21	19	5	100
324003	22	20	7	175
324004	26	23	9	280
324005	58	15	5	100
324006	59	19	5	115
324007	62	20	7	200
324008	66	23	9	325

325 Test Pencil



● Used for flammable and explosive goods warehouse, electrolysis workshop, communication machine assembly workshop, rod for a word and cross two ends, removable head.

Number	mm	L mm	⊕	Be-Cu (g)	Al-Cu (g)
325001	4.5	150	PH1	35	33
325002	5	175	PH1	40	37

326 Nut Splitter



● Cut through rusty or broken nuts.

Number	Size mm	L mm	Be-Cu (g)	Al-Cu (g)
326001	9-12	80	112	101
326002	12-16	102	224	202
326003	16-22	130	489	440
326004	22-27	150	724	652

327 Wrench, Lock Body



Number	C1 inch	C2 inch	S inch	L mm	Be-Cu (g)	Al-Cu (g)
327001	1/4	5/16	1/8	200	260	235

328 Key Wrench, Triangle



Number	C mm	D mm	L mm	Be-Cu (g)	Al-Cu (g)
328002	9	7	100	80	75

329 Key Wrench, Square



Number	C mm	L mm	Be-Cu (g)	Al-Cu (g)
329001	5	100	55	50

330 Spring Wrench, H Type



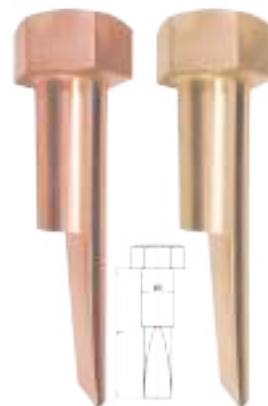
Number	A mm	L mm	Be-Cu (g)	Al-Cu (g)
330001	198	500	2600	2350

331 Blender



Number	D mm	L mm	d mm	Be-Cu (g)	Al-Cu (g)
331001	40	500	20	1180	1065

332 Fangle Alignment Pin



Number	Size	L mm	D mm	Be-Cu (g)	Al-Cu (g)
332001	3/4	85	19	210	190
332002	7/8	90	22	300	270
332003	1	100	25	455	410
332004	1-1/8	125	28.5	700	630
332005	1-1/4	130	32	950	855
332006	1-3/8	155	35	1340	1205
332007	1-1/2	165	38	1650	1485
332008	1-5/8	180	41	2175	1960
332009	1-3/4	195	45	2750	2475
332010	2	225	50	3935	3540
332011	2-1/8	300	54	6270	5645
332012	2-3/8	335	60	8490	7640
332013	2-5/8	350	66	11125	10010



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①9 333 Cordless Impact Wrench



Number	Dr mm	Power	V	Carbon Brush	Torque N.m	No-load Speed r/min	Battery Capacity mAh	
333001	14	Li-Battery	20	No	380	2300	2500	1800

Safety Tools Safety Tools

Tools Set P189-P200



Tool Set P189-P200 ② 501001-568001

501 Double Open End Wrench Set



Tools	Description mm
501001 (9PCS)	8*10,10*12,12*14,14*17,17*19,19*22,22*24,24*27,30*32
501002 (10PCS)	8*10,10*12,12*14,14*17,17*19,19*22,22*24,24*27,27*30,30*32
501003 (11PCS)	8*10,9*11,10*12,12*14,14*17,17*19,19*22,22*24,24*27,27*30,30*32
501004 (12PCS)	6*7,8*9,10*11,12*13,14*15,16*17,18*19,20*22,21*23,24*26,25*28,30*32
501005 (13PCS)	5.5*7,6*7,8*10,9*11,10*12,12*14,14*17,17*19,19*22,22*24,24*27,27*30,30*32

502 Combination Wrench Set



Tools	Description mm
502001 (9PCS)	8,10,12,14,17,19,22,24,27
502002 (10PCS)	10,12,14,17,19,22,24,27,30,32
502003 (11PCS)	8,10,12,14,17,19,22,24,27,30,32
502004 (12PCS)	6,8,10,12,14,17,19,22,24,27,30,32
502005 (13PCS)	8,10,12,13,14,16,17,19,22,24,27,30,32

503 Double Box Offset Wrench Set



Tools	Description mm
503001 (9PCS)	8*10,10*12,12*14,14*17,17*19,19*22,22*24,24*27,30*32
503002 (10PCS)	8*10,10*12,12*14,14*17,17*19,19*22,22*24,24*27,27*30,30*32
503003 (11PCS)	8*10,9*11,10*12,12*14,14*17,17*19,19*22,22*24,24*27,27*30,30*32
503004 (12PCS)	6*7,8*9,10*11,12*13,14*15,16*17,18*19,20*22,21*23,24*26,25*28,30*32
503005 (13PCS)	5.5*7,6*7,8*10,9*11,10*12,12*14,14*17,17*19,19*22,22*24,24*27,27*30,30*32

503 Drill Bit Set-15pcs



L *W *H 400 *290 *70mm

Tools	Description
503006 (15PCS)	6*100mm,7*120mm,8*140mm,9*160mm,10*180mm,11*200mm,12*220mm,13*240mm,14*260mm,15*280mm,16*300mm,17*300mm,18*320mm,19*320mm,20*330mm

505001 Tool Set-9pcs



L *W *H 400 *290 *90mm

Number	Be-Cu Al-Cu	Description mm
		(9PCS)
125	Wrench,Adjustable	36*300mm
246	Pliers,Lineman	8"
252	Pliers,Groove Joint	10"
260	Slotted Screwdriver	6*150mm,8*200mm
261	Phillips Screwdriver	#2*150mm,#3*200mm
186	Hammer,Cross Pein Engineers	1kg
203	Knife,Putty	50mm*200mm
	Tools Case	

506001 Tool Set-15pcs



L *W *H 400 *290 *90mm

Number	Be -Cu/Al-Cu	Description
		(15PCS)
146	Double Open End Wrench	8*10mm,10*12mm,12*14mm,14*17mm,17*19mm,19*22mm,22*24mm,24*27mm,30*32mm
125	Adjustable Wrench	30*250mm
246	Lineman Plier	8"
254	Long Nose Plier	8"
260	Slotted Screwdriver	8*200mm
261	Phillips Screwdriver	#3*200mm
187	Ball Pein Hammer	0.91kg
	Tools Bag	

507001 Tool Set-16pcs



Number	Be- Cu/Al-Cu	Description mm
		(16PCS)
153	Wrench,Double Box	8"10, 10"12, 14"17, 19"22mm
125	Wrench,Adjustable	30"250mm
131	Wrench,Pipe	50"350mm
252	Pliers,Water Pump	10"
245	Pliers,Adjustable,Combination	6" , 8"
260	Slotted Screwdriver	6"150mm
261	Phillips Screwdriver	#2"150mm
185	Hammer,Claw	0.45kg
203	Knife,Putty	25"200mm
202	Knife,Common	137"250mm
207	Scraper,Deck	45"300mm
285	Brush	4"16Rows
	Tools Box	

509001 Tool Set-26pcs



Number	Be- Cu/Al-Cu	Description mm
		(26PCS)
231	Chisel Flat	18"20"200mm
125	Wrench,Adjustable	18"150mm
246	Pliers,Lineman	8"
245	Pliers,Adjustable Combination	8"
253	Pliers,Snipe Nose	6"
260	Phillips Screwdriver	6"150mm,8"200mm
261	Slotted Screwdriver	#2"150mm,#3"200mm
104	Socket(1/2")Dr	8mm,10mm,12mm,14mm,17mm
117	Sliding T Handle	1/2" * 250mm
192	Hammer,Testing	0.15kg
135	Wrench,Combination	8mm,10mm,12mm,14mm,17mm
167	Wrench,Hex Key	4mm,5mm,6mm,8mm,10mm
	Tools Bag	

511001 Tool Set-28pcs



Number	Be- Cu/Al-Cu	Description mm
		(28PCS)
191	Hammer,Sledge	1.8kg
187	Hammer,Ball Pein	0.91Kg
185	Hammer,Claw	0.45kg
130	Wrench,Pipe	40"300mm,60"450mm
125	Wrench,Adjustable	24"200mm,36"300mm
135	Wrench,Combination	8mm,10mm,12mm,14mm,17mm,19mm,22mm,24mm,27mm,30mm,32mm
246	Pliers,Lineman	8"
254	Pliers,Long Nose	8"
245	Pliers,Adjustable Combination	8"
237	Bar,Pinch	Φ25"300mm
231	Chisel,Flat	25"27"300mm
260	Slotted Screwdriver	5"100mm,8"200mm
261	Phillips Screwdriver	#1"100mm,#3"200mm
174	Valve Handle	50"400mm
	Tools Case	

508001 Tool Set-17pcs



Number	Be- Cu/Al-Cu	Description mm
		(17PCS)
130	Wrench,Pipe	50"350mm
125	Wrench,Adjustable	24"200mm,36"300mm
135	Wrench,Combination	14mm,17mm,19mm,22mm,24mm,27mm
246	Pliers,Lineman	8"
254	Pliers,Long Nose	8"
245	Pliers,Adjustable Combination	8"
223	Punch,Machinists	18"160mm
231	Chisel,Flat	18"20"160mm
260	Slotted Screwdriver	6"150mm
261	Phillips Screwdriver	#2"150mm
187	Hammer,Ball Pein	0.91Kg
	Tools Bag	

510001 Tool Set-26pcs



Number	Be- Cu/Al-Cu	Description mm
		(26PCS)
130	Wrench,Pipe	60"450mm,30"250mm
125	Wrench,Adjustable	46"375mm,36"300mm,24"200mm,18"150mm
187	Hammer,Ball Pein	0.91kg
246	Pliers,Lineman	8"
254	Pliers,Snipe Nose	8"
260	Slotted Screwdriver	12"400mm,8"200mm
261	Phillips Screwdriver	#4"400mm,#3"200mm
174	Valve Handle	60"500mm
151	Wrench,Double Box	30"27mm,27"24mm,24"22mm,
146	Wrench,Double Open End	22"19mm,19"17mm,17"14mm,30"32mm,27"30mm,24"27mm,22"24mm,19"22mm,17"19mm
	Tools Case	

512001 Tool Set-18pcs



Number	Be- Cu/Al-Cu	Description mm
		(18PCS)
135	Wrench,Combination	24mm, 27mm
153	Wrench,Double Box	8"10, 10"12, 14"17, 19"22mm
125	Wrench,Adjustable	30"250mm
131	Wrench,Pipe	50"350mm
252	Pliers,Water Pump	10"
245	Pliers,Adjustable,Combination	6" , 8"
260	Slotted Screwdriver	6"150mm
261	Phillips Screwdriver	#2"150mm
185	Hammer,Claw	0.45kg
203	Knife,Putty	25"200mm
202	Knife,Common	137"250mm
207	Scraper,Deck	45"300mm
285	Brush	4"16Rows
	Tools Box	

513001 Tool Set-36pcs



L *W *H 650 *450 *140mm

Number	Be-Cu/Al-Cu	Description mm
		(36PCS)
191		Hammer,Sledge 1.8kg
187		Hammer,Ball Pein 0.91kg
130		Wrench,Pipe 60*450mm
125		Wrench,Adjustable 18*150mm, 24*200mm
135		Wrench,Combination 10mm, 8mm
246		Pliers,Lineman 6" ,8"
253		Pliers,Snipe Nose 6"
245		Pliers,Adjustable,Combination 8"
255		Pliers,Round Nose 6"
250		Pliers,Flat Nose 6"
248		Pliers,Diagonal Cutting 6"
260		Slotted Screwdriver 4*75, 5*100, 6*150, 8*200mm
261		Phillips Screwdriver #1*75, #1*100, #2*150, #3*200mm
259		Slotted Offset Screwdriver 6*75, 8*125, 10*195mm
233		Chisel 8 Point 16*160mm
242		Shears,Cutting 150mm
202		Knife,Common 137*250mm
203		Knife,Putty 50*200mm
258		Tweezers,Neat Tips 200mm
237		Bar 19*500mm
268		Marking Tool 4*252mm
240		Bar,Wrecking 16*400mm
270		Hacksaw Frame 500mm
271		Hacksaw Blade 300mm
284		Brush,Flat Back,Scratch 6*16Rows
	Tools Case	

515001 Tool Set-40pcs



L *W *H 570 *370 *210mm

Number	Be-Cu/Al-Cu	Description mm
		(40PCS)
191		Hammer,Sledge 1kg
185		Hammer,Claw 0.23kg
187		Hammer,Ball Pein 0.45kg
130		Wrench,Pipe 25*200mm
125		Wrench,Adjustable 18*150mm, 30*250mm
246		Pliers,Lineman 6"
243		Pliers,Snipe Nose 6"
248		Pliers,Flat Nose 6"
250		Pliers,Diagonal Cutting 6"
245		Pliers,Adjustable,Combination 6"
249		Pincers 8"
242		Shears,Cutting 150mm
260		Slotted Screwdriver 4*75mm, 5*100mm, 6*150mm
261		Phillips Screwdriver #1*75mm, #1*100mm, #2*150mm,
259		Slotted Offset Screwdriver 6*72mm, 8*125mm, 10*196mm
166		Wrench,Hex Key 3mm, 4mm, 5mm, 6mm, 7mm, 8mm
232		Chisel,6 Point 16*160mm
239		Bar,Wrecking 13*250mm
202		Knife,Common 137*250mm
203		Knife,Putty 25*200mm
258		Tweezers,Neat Tips 150mm
221		File,Triangle 200mm
238		Hearing Needle 6*250mm
268		Marking Tool 4*252mm
272		Hand Saw 370mm
270		Hacksaw Frame 500mm
271		Hacksaw Blade 300mm
284		Brush 6*16Rows
	Tools Case	

516001 Tool Set-56pcs



L *W *H 650 *450 *150mm

Number	Be-Cu/Al-Cu	Description mm
		(56PCS)
146		Wrench,Double Open End 5.5*7,6*7,8*10,9*11,10*12, 12*14,14*17,17*19,19*22, 22*24,24*27,27*30,30*32mm
167		Wrench,Hex Key 2mm, 3mm, 4mm, 5mm, 6mm, 7mm, 8mm, 10mm
260		Slotted Screwdriver 3*50mm, 4*75mm, 5*100mm, 6*150mm
261		Phillips Screwdriver #0*50mm, #1*75mm, #1*100mm, #2*150mm
125		Wrench,Adjustable 30*250mm
258		Tweezers,Neat Tips 150mm
246		Pliers,Lineman 6"
253		Pliers,Snipe Nose 6"
252		Pliers,Groove Joint 10"
309		Torque Wrench 1/4" ,3/8"
102		1/4" Socket 4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm
103		3/8" Socket 10mm, 11mm, 12mm, 13mm, 14mm, 17mm, 19mm
124		Driver Type Handle 1/4" *55mm
119		Ratchet Wrench 3/8" 200mm
		Straight Joint 3/8"
122		Driver Extension 3/8" *75mm
111		Spark Plug 3/8" *13/16"
	Tools Case	

517001 Tool Set-50pcs



L *W *H 650 *450 *150mm

Number	Be-Cu Al-Cu	Description mm
(50PCS)		
191	Hammer,Sledge	1.8kg
187	Hammer,Ball Pein	0.91kg
185	Hammer,Claw	0.45kg
130	Wrench,Pipe	40*300mm,60*450mm
125	Wrench,Adjustable	24*200mm,36*300mm
135	Wrench,Combination	8mm,10mm,12mm,14mm,17mm,19mm,22mm,24mm,27mm,30mm,32mm
246	Pliers,Lineman	8"
254	Pliers,Long Nose	8"
245	Pliers,Adjustable Combination	8"
237	Bar,Pinch	Φ25*300mm
231	Chisel,Flat	25*27*300mm
223	Punch,Machinists	Φ20*300mm
260	Slotted,Screwdriver	5*100mm,8*200mm
261	Phillips,Screwdriver	#1*100mm,#3*200mm
174	Valve,Handle	50*400mm
202	Knife,Common	137*250mm
270	Hacksaw Frame	500mm
271	Hacksaw Blade	300mm
104	1/2" Socket	10mm,11mm,12mm,14mm,17mm,19mm,22mm,24mm,27mm,30mm,32mm
120	Ratchet Wrench	1/2" *245mm
122	Driver Extension	1/2" *125mm,1/2" *250mm
123	Speed Handle	1/2" *400mm
117	Sliding T Handle	1/2" *250mm
112	Universal Joint	1/2" *80mm
203	Putty Knife	25*200mm
	Tools Case	

518001 Tool Set-62pcs



Number	Be-Cu Al-Cu	Description mm
(62PCS)		
125	Wrench,Adjustable	24*200mm,30*250mm,36*300mm
135	Wrench,Combination	8mm,10mm,12mm,14mm,17mm,19mm,22mm,24mm,27mm
135	Wrench,Combination	3/8" , 1/2" , 9/16" , 5/8" , 11/16" , 3/4" , 13/16" , 7/8" , 1"
131	Wrench,Pipe	25*200mm,50*350mm
251	Pliers,Groove Joint	10"
245	Pliers,Adjustable,Combination	6" , 8"
246	Pliers,Lineman	8"
253	Pliers,Snipe Nose	6"
260	Slotted Screwdriver	4*75mm,5*100mm,6*150mm,8*200mm,#1*75mm,#1*100mm,#2*150mm,#3*200mm
261	Phillips Screwdriver	16*400mm
240	Bar,Wrecking	Φ19*500mm
237	Bar,Pinch	137*250mm
202	Knife,Common	40*200mm,50*200mm,100*200mm
203	Knife,Putty	55*350mm
207	Scraper,Deck	385mm
179	Wrench,Bung	16*18*160mm,18*20*200mm
231	Chisel,Flat	0.5kg,1kg
186	Hammer,Cross Pein Engi-neers	0.45kg
185	Hammer,Claw	8mm,10mm,13mm,14mm,16mm,17mm,19mm,21mm,22mm,26mm
104	1/2" Socket	1/2" *200mm
122	Driver Extension	1/2" *245mm
120	Ratchet Wrench	1/2" *250mm
118	Hinged Handle	
	Tools Case	

519001 Tool Set-100pcs



L *W *H 625 *375 *745mm

Number	Be-Cu Al-Cu	Description mm
(100PCS)		
187	Hammer,Ball Pein	0.23kg,0.45kg
185	Hammer,Claw	0.23kg
125	Wrench,Adjustable	8*150mm,24*200mm,30*250mm
135	Wrench,Combination	8mm,10mm,12mm,14mm,17mm,19mm,22mm,24mm,27mm,30mm,32mm
246	Pliers,Lineman	8"
253	Pliers,Snipe Nose	6"
245	Pliers,Adjustable Combination	6"
250	Pliers,Flat Nose	6"
249	Pincers	8"
255	Pliers,Round Nose	6"
248	Pliers,Diagonal Cutting	8"
258	Tweezer,Neat Tips	150mm
232	Flat 6 Chisel	14*160mm,16*160mm,18*160mm
223	Centre Punch	Φ16*100mm,Φ18*200mm,Φ20*300mm
	Punch,Machinists	Φ18*160mm,Φ18*250mm,Φ20*300mm
236	Slotted Screwdriver	5*75mm,6*100mm,7*150mm,8*200mm,9*300mm,11*350mm
260	Phillips Screwdriver	#1*75mm,#2*150mm,#3*250mm,#4*300mm
261	Knife,Common	137*250mm
202	Hacksaw Frame	500mm
270	Hacksaw Blade	300mm
271	Hand Saw	370mm
272	Scraper,Flat	35*350mm
206	File,Half Round With Handle	200mm
218	File,Flat With Handle	200mm
217	File,Square With Handle	200mm
220	File,Triangle With Handle	200mm
221	1/4" *3/8" Socket	Set-20pcs
101	3/4" *1" Socket	Set-26pcs
101	Torch	2"
	Tools Trolley	

520001 Tool Set-120pcs



L *W *H 625 *375 *745mm

Number	Be-Cu Al-Cu	Description mm (120PCS)
135	Wrench,Combination	8mm,10mm,12mm,13mm,14mm,16mm,17mm,19mm,22mm,24mm,27mm,30mm,32mm
174	Valve Handle	50*400mm
191	Hammer,Sledge	1kg, 1.8kg
185	Hammer,Claw	0.45kg
187	Hammer,Ball Pein	0.45kg
131	Wrench,Pipe	20*150mm,25*200mm,30*250mm,40*300mm,50*350mm
125	Wrench,Adjustable	18*150mm,24*200mm, 30*250mm,36*300mm
246	Pliers,Lineman	6" , 8"
253	Pliers,Snipe Nose	6" , 8"
248	Pliers,Flat Nose	6" , 8"
250	Pliers,Diagonal Cutting	6" , 8"
245	Pliers,Adjustable,Combination	6" , 8"
249	Pincers	8"
242	Shears,Cutting	150mm
252	Pliers,Groove Joint	10"
260	Slotted Screwdriver	4*75mm,5*100mm,6*150mm,8*200mm
261	Phillips Screwdriver	#1*75mm,#1*100mm,#2*150mm,#3*200mm
259	Slotted Offset Screwdriver	6*72mm,8*125mm,10*196mm
167	Wrench,Hex Key	3mm,4mm,5mm,6mm,7mm,8mm,10mm
232	Chisel 6 Point	16*160mm
239	Bar,Wrecking	13*250mm
178	Wrench,Bung	350mm
202	Knife,Common	137*250mm
203	Knife,Putty	25*200mm
258	Tweezers,Neat Tips	150mm
221	File,Triangle	200mm
238	Hearing Needle	6*250mm
268	Marking Tool	4*250mm
272	Hand Saw	370mm
270	Hacksaw Frame	500mm
271	Hacksaw Blade	300mm
186	Brush	6*15Rows
101	1/2" Dr Socket	Set-28pcs
101	3/4" Dr Socket	Set-21pcs
	Tools Trolley	

521001 Tool Set-176pcs



L *W *H 1000 *500 *665mm

Number	Be-Cu Al-Cu	Description mm (176PCS)	Q'ty
135	Wrench,Combination	6mm,8mm,10mm,12mm,13mm,14mm,15mm,16mm,17mm,19mm,22mm,24mm,27mm,30mm,32mm,41mm,42mm,44mm,46mm,48mm,50mm,55mm,60mm	2
140	Wrench,Single Open End	8*10mm,9*11mm,12*14mm,13*16mm,16*18mm,17*19mm,20*22mm,21*23mm,24*27mm,30*32mm	2
146	Wrench,Double Open End	8mm,10mm,12mm,13mm,14mm,15mm,16mm,17mm,19mm,22mm,24mm,27mm,30mm,32mm	2
121	Wrench,Socket L-Type	8mm,10mm,12mm,13mm,14mm,15mm,16mm,17mm,19mm,22mm,24mm,27mm,30mm,32mm	2
167	Wrench,Hex Key	8mm,10mm,12mm,13mm,14mm,17mm,19mm,22mm	2
125	Wrench,Adjustable	24*200mm,36*300mm	2
260	Slotted Screwdriver	4*100mm,6*150mm,8*200mm	2
261	Phillips Screwdriver	#1*100mm,#2*150mm,#3*200mm	2
246	Pliers,Lineman	8"	2
251	Pliers,Groove Joint	10"	2
160	Wrench,Striking Box	22mm,24mm,27mm,30mm,32mm,34mm,36mm,38mm,41mm,46mm,50mm,55mm,60mm,65mm,70mm	2
232	Chisel,Hex 6 Point	14*160mm	3
222	Punch,Machinists	14*150mm	3
284	Brush,Flat Back,Scratch	4*16Rows	3
285	Brush	4*16Rows	3
191	Hammer,Sledge	1kg,1.8kg,2.7kg,4.5kg	1
	Tools Trolley		

522 Hex Key Wrench Set



Tools	Description
522001	1.5,2,2.5,3,4,5,6,8,10mm 9PCS
522002	2,3,4,5,6,7,8,9,10,11,12mm 11PCS
522003	2,3,4,5,6,7,8,9,10,11,12,13,14mm 13PCS

523001 Tool Set-6pcs



Number	Be-Cu Al-Cu	Description
260	Slotted Screwdriver	5/16 " *3 "
261	Phillips Screwdriver	PH2(Φ6)*4"
125	Wrench,Adjustable	24*200mm
241	Crate Opener	230mm
252	Pliers,Water Pump	10"
245	Pliers,Adjustable Combination	8*150mm
	Tools Bag	

525001 Tool Set-10pcs



Number	Be-Cu Al-Cu	Description
260	Slotted Screwdriver	5/16 " *3 "
261	Phillips Screwdriver	#2*4 "
125	Wrench,Adjustable	6 " , 10 "
185	Hammer,Claw	0.45kg
252	Pliers,Water Pump	10 "
204	Knife,Putty	1-1/4 " *3-9/16 "
202	Knife,Common	3-1/8 "
245	Pliers,Adjustable Combination	8*150mm
131	Wrench,Pipe (American Type)	30*250mm
	Tools Bag	

526001 Tool Set-6pcs



Number	Be-Cu Al-Cu	Description
260		Slotted Screwdriver 5/16 " *3 " , 7/16 " *6 " , 25/64 " *8 "
261		Phillips Screwdriver #1*3 " , #2*4 " , #3*6 "
	Tools Bag	

527001 Tool Set-21pcs



Number	Be-Cu Al-Cu	Description
104	1/2"Socket	5/16 " , 3/8 " , 7/16 " , 1/2 " ,
		9/16 " , 19/32 " ,
		5/8 " , 11/16 " 3/4 " ,
		25/32 " , 13/16 " , 7/8 " ,
		15/16 " , 1 " , 1-1/16 " , 1-1/8 " ,
118	Hinged Handle	1/2"
120	Ratchet Wrench	1/2"
122	Driver Extension	1/2"*250mm
117	Sliding Bar	1/2"*275mm
	Tools Bag	

528001 Tool Set-16pcs



Number	Be-Cu Al-Cu	Description
260		Slotted Screwdriver 5/16"*3"
261		Phillips Screwdriver PH3(Φ8)*150
125		Wrench,Adjustable 24*200mm , 36*300mm
185		Hammer,Claw 450g
241		Crate Opener 230mm
252		Pliers,Water Pump 12 "
204		Knife,Putty 1-1/4 " *3-9/16 "
202		Knife,Cimmon 5-3/4 "
244		Shears,Tin 300mm
253		Pliers,Snipe Nose 7"
245		Pliers,Adjustable Combination 13*200mm
211		Scraper,Spray Booth 3"
210		Scraper,Deck 380mm
131		Wrench,Pipe(American Type) 50*350mm
179		Wrench,Bung 12"
	Tools Bag	

529001 Tool Set-34pcs



Number	Be-Cu Al-Cu	Description
146		Wrench,Double Open End 6*7,8*9,9*11,10*12,11*13, 14*15,16*18,17*19,20*22, 21*23,24*26,27*30,32*36,
167		Wrench,Hex Key 1/16",3/32",2mm,3mm,4mm,
166		Wrench,Hex Key 5mm,6mm,8mm,10mm
260		Slotted Screwdriver 8*150,5*100,4*75,3*50
261		Phillips Screwdriver #0*75 , #1*100,#2*150
258		Tweezers,Neat Tips 150mm
252		Pliers,Water Pump 10"
125		Wrench,Adjustable 30*250mm
248		Pliers,Diagonal Cutting 6"
253		Long Nose Plier 6"
	Tools Case	

530001 Tool Set-85pcs



Number	Be-Cu Al-Cu	Description
258		Tweezers,Neat Tips 200mm
268		Marking Tool 4*187mm
202		Knife,Common 250mm
244		Scissors 225mm
270		Hacksaw Frame 500mm
271		Hacksaw Blade 300mm
203		Knife,Putty 40*200mm
260		Slotted Screwdriver 3*50 , 4.5*150 , 6*100 8*150 , 10*300
259		Phillips Offset Screwdriver 6*150 , 6*130 , 10*140
261		Phillips Screwdriver #1*75 , #2*125 , #3*200 #4*300
245		Pliers,Adjustable Combination 8"
250		Pliers,Flat Nose 6"
253		Pliers,Snipe Nose 6"
248		Pliers,Diagonal Cutting 6"
257		Wire Stripping Pliers 170mm
255		Pliers,Round Nose 6"
246		Pliers,Lineman 8"
125		Wrench,Adjustable 18*150mm , 30*250mm
131		Wrench,Pipe(American Type) 50*350mm
187		Hammer,Ball Pein 0.45kg
191		Club Hammer 1800g
231		Chisel,Pneumatic 16*18*160mm , 25*27*230mm
237		Bar 17*455mm
240		Bar,Wrecking 16*455mm
120		Ratchet Wrench 1/2"*245mm
117		Sliding T Handle 1/2"*250mm
122		Driver Extension 1/2"*100mm,1/2"*250mm
112		Universal Joint 1/2"*80mm
104		1/2" Dr Socket 10,11,12,13,14,15,17, 19,22,24,27,30,mm, 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"
166		Wrench,Hex Key 1.5,2,2.5,3,4,5,6,8,10,mm
167		Wrench,Hex Key 1/16",5/64",3/32",1/8", 5/32",3/16",7/32",1/4", 5/16",3/8",7/16"
	Tools Case	

531001 Tool Set-36pcs



Number	Be-Cu Al-Cu	Description
258		Tweezers 200mm
268		Probe-Straight And Right Angled 4*187mm
202		Knife 185mm
244		Scissors 225mm
270		Hacksaw Frame 500mm
271		Hacksaw Blade 300mm
203		Putty Knife / Scraper 40mm *200mm
285		Wire Brush 4*19Rows
260		Screwdriver Flat 3*50,4.5*150,6*100, 8*150,10*300mm
259		Screwdriver Offset 6*150,6*130, 10*140mm
261		Screwdriver Cross Head #1*75,#2*125, #3*200,#4*300mm
245		Pliers Adjustable 8"
250		Pliers Flat Nose 6"
253		Pliers Snipe Nose 6"
248		Side Cutter 6"
257		Wire Snipper 170mm
255		Pliers Round Nose 6"
246		Pliers Combination 8"
125		Adjustable Spanner 18*150mm,30*250mm
131		Adjustable Pipe Wrench 50*350mm
187		Ballpein Hammer 0.68Kg
191		Club Hammer 1.8Kg
231		Cold Chisel 16*18*160,25*27*230mm
237		Pry Bar 17*455mm
240		Swan Neck Bar (Wrecking Bar) 16*455mm
120		Ratchet Wrench 1/2" *245mm
117		Sliding Bar 1/2" *250mm
122		Extension Bar 1/2" *100mm,1/2" *250mm
112		Universal Joint 1/2" *80mm
104		Socket 1/2" 10,11,12,13,14,15,17,19, 22,24,27,30mm 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"
166		Hex Wrench 1.5,2,2.5,3,4,5,6,8,10mm
167		Hex Wrench 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 1/2", 5/16", 3/8", 7/16"
147		Double Open End Wrench 7/16" *1/2", 1/2" *11/16", 9/16" *5/8", 3/4" *13/16", 7/8" *15/16", 1" *1-1/8", 1-1/16" *1-1/4"
145		Double Open End Wrench 10" *11, 12" *13, 14" *15, 16" *17, 18" *19, 20" *22mm
252		Water Pump Plier 10"
238		Mine Prodder 575-1000mm
		Tools Bag

532001 Tool Set-85pcs



Number	Be-Cu Al-Cu	Description
258		Tweezers 200mm
268		Probe-Straight And Right Angled 4*187mm
202		Knife 185mm
244		Scissors 225mm
270		Hacksaw Frame 500mm
271		Hacksaw Blade 300mm
203		Putty Knife / Scraper 40*200mm
285		Wire Brush 4*16Rows
260		Screwdriver Flat 3*50,4.5*150,6*100, 8*150,10*300mm
259		Screwdriver Offset 6*150,6*130,10*140mm
261		Screwdriver Cross Head #1*75,#2*125, #3*200,#4*300mm
245		Pliers Adjustable 8"
250		Pliers Flat Nose 6"
253		Pliers Snipe Nose 6"
248		Side Cutter 6"
257		Wire Snipper 170mm
255		Pliers Round Nose 6"
246		Pliers Combination 8"
125		Adjustable Spanner 18*150,30*250mm
131		Adjustable Pipe Wrench 50*350mm
187		Ballpein Hammer 0.68Kg
191		Club Hammer 1.8Kg
231		Cold Chisel 16*18*160,25*27*230mm
237		Pry Bar 17*455mm
240		Swan Neck Bar (Wrecking Bar) 16*455mm
120		Ratchet Wrench 1/2" *245mm
117		Sliding Bar 1/2" *250mm
122		Extension Bar 1/2" *100mm,1/2" *250mm
112		Universal Joint 1/2" *80mm
104		Socket 1/2" 10,11,12,13,14,15,17,19, 22,24,27,30mm 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"
166		Hex Wrench 1.5,2,2.5,3,4,5,6,8,10mm
167		Hex Wrench 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 1/2", 5/16", 3/8", 7/16"
		Tools Bag

533001 Tool Set-100pcs



Number	Be-Cu Al-Cu	Description
258		Tweezers 200mm 268.Probe-Straight And Right Angled 4*187mm
202		Knife 185mm 244.Scissors 225mm
270		Hacksaw Frame 500mm 271.Hacksaw Blade 300mm
203		Putty Knife / Scraper 40*200mm
285		Wire Brush 4*19Rows
260		Screwdriver Flat 3*50,4.5*150,6*100mm 8*150,10*300mm
259		Screwdriver Offset 6*150,6*130,10*140mm
261		Screwdriver Cross Head #1*75,#2*125, #3*200,#4*300mm
245		Pliers Adjustable 8" 250.Pliers Flat Nose 6"
253		Pliers Snipe Nose 6" 248.Side Cutter 6"
257		Wire Snipper 170mm 255.Pliers Round Nose 6"
246		Pliers Combination 8"
125		Adjustable Spanner 18*150,30*250mm
131		Adjustable Pipe Wrench 50*350mm
187		Ballpein Hammer 0.68Kg
191		Club Hammer 1.8Kg
231		Cold Chisel 16*18*160,25*27*230mm
237		Pry Bar 17*455mm
240		Swan Neck Bar (Wrecking Bar) 16*455mm
120		Ratchet Wrench 1/2" *245mm
117		Sliding Bar 1/2" *250mm
122		Extension Bar 1/2" *100mm,1/2" *250mm
112		Universal Joint 1/2" *80mm
104		Socket 1/2" 10,11,12,13,14,15,17,19, 22,24,27,30mm 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"
166		Hex Wrench 1.5,2,2.5,3,4,5,6,8,10mm
167		Hex Wrench 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 1/2", 5/16", 3/8", 7/16"
147		Double Open End Wrench 7/16" *1/2", 1/2" *11/16", 9/16" *5/8", 3/4" *13/16", 7/8" *15/16", 1" *1-1/8", 1-1/16" *1-1/4"
145		Double Open End Wrench 10" *11, 12" *13, 14" *15, 16" *17, 18" *19, 20" *22mm
252		Water Pump Plier 10"
238		Mine Prodder 575-1000mm
		Tools Bag



535001 Tool Set-5pcs



Number	Be-Cu Al-Cu	Description
A	Awl	168mm
B	Awl	168mm
C	Awl	168mm
D	Awl	168mm
248	Mini Pliers, Diagonal Cutting	5"
Tools Box		

536001 Tool Set-68pcs



Number	Be-Cu Al-Cu	Description
104	1/2" Socket	8mm, 10mm, 12mm, 13mm, 15mm, 16mm, 17mm, 18mm, 19mm, 22mm, 24mm, 27mm, 30mm
111	1/2" Internal Hexagon Socket	8mm, 10mm, 12mm
112	Universal Joint	1/2" 80mm
120	Ratchet Wrench	1/2" 245mm
122	Driver Extension	1/2" 100mm
125	Wrench, Adjustable	18" 150mm, 24" 200mm, 36" 300mm
136	Combination Wrench	7mm, 8mm, 10mm, 12mm, 13mm, 15mm, 16mm, 17mm, 18mm, 19mm, 22mm, 24mm, 27mm, 30mm
167	Wrench, Hex Key	2mm, 3mm, 4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm
187	Hammer, Ball Pein	340g
191	Hammer, Sledge	1000g
202	Knife	185mm
206	Scraper, Flat	30" 200mm
222	Punch, Machinist	14" 150mm
223	Drift, Cylindrical	6" 12" 115mm, 8" 14" 120mm, 10" 16" 145mm
247	Pliers, Cutting	8"
248	Pliers, Diagonal Cutting	6"
252	Pliers, Slip Joint	10"
253	Pliers, Long Nose	6"
260	Slotted Screwdriver	4" 100mm, 4" 75mm, 5" 100mm, 6" 150mm, 11" 350mm
261	Phillips Screwdriver	#1 100mm, #2 125mm, #3 200mm, #4 300mm
Tools Case		

537001 Tool Set-9pcs



Number	Be-Cu Al-Cu	Description
203	Putty Knife	50" 200mm
203	Putty Knife	100" 200mm
206	Flat Scraper	30" 200mm
224	Triangular Scraper	300mm
225	Scraper Pick And Scaler	75" 450mm
212	Scraper	75" 1200mm
213	Arched scraper	100mm
286	Brush	4" 16 Rows
Tools Bag		

538001 Tool Set-16pcs



Number	Be-Cu Al-Cu	Description
203	Putty Knife	50" 200mm
252	Water Pump Pliers	12"
244	Tin Shears	300mm
125	Adjustable Wrench	24" 200mm, 36" 300mm
179	Bung Wrench	385mm
246	Lineman Pliers	8"
254	Snipe Nose Pliers	8"
185	Claw Hammer	680g
286	Brush	4" 16 Rows
202	Common Knife	137" 250mm
209	Deck Scraper	300mm
261	Phillips Screwdriver	#2 150mm
260	Slotted Screwdriver	8" 150mm
131	Pipe Wrench (American Type)	50" 350mm
Tools Bag		

539001 Tool Set-18pcs



Number	Be-Cu Al-Cu	Description
255	Round Nose Pliers	6"
250	Flat Nose Pliers	6"
248	Diagonal Cutting Pliers	6"
246	Lineman Pliers	6"
258	Neat Tips Tweezer	150mm
257	Wire Stripping Pliers	170mm
125	Adjustable Wrench	18" 150mm
260	Slotted Screwdriver	3" 75mm, 4" 100mm, 6" 150mm
261	Phillips Screwdriver	#0 50mm, #1 75mm
167	Hex Key With Ball Wrench	3mm, 4mm, 5mm
202	Common Knife	137" 250mm
244	Scissors	225mm
Tools Bag		

550001 Tool Set-21pcs



Number	Be-Cu Al-Cu	Description
131	Pipe Wrench (American Type)	50" 350mm
135	Combination Wrench	10mm, 11mm, 12mm, 13mm, 14mm, 17mm, 19mm, 22mm
261	Phillips Screwdriver	#1 100mm
260	Slotted Screwdriver	8" 150mm
125	Adjustable Wrench	30" 250mm
246	Lineman Pliers	8"
254	Snipe Nose Pliers	8"
185	Claw Hammer	680g
286	Brush	4" 16 Rows
209	Deck Scraper	300mm
203	Putty Knife	25" 200mm
202	Common Knife	137" 250mm
252	Water Pump Pliers	10"
Tools Bag		

551001 Tool Set-18pcs



Number	Be-Cu Al-Cu	Description
240	Wrecking Bar	19*800mm
125	Adjustable Wrench	30*250mm, 36*300mm, 46*375mm
187	Ball Pein Hammer	450g, 680g
190	Scaling Hammer	300g
191	Sledge Hammer	2500g
209	Deck Scraper	300mm
213	Arched Scraper	100mm
260	Slotted Screwdriver	8*200mm, 10*300mm
232	Hex Chisel/6Point	18*160mm
231	Flat Chisel	22*24*250mm
131	Pipe Wrench (American Type)	25*200mm, 30*250mm, 50*350mm
	Tools Bag	

552001 Tool Set-38pcs



Number	Be-Cu Al-Cu	Description
135	Combination Wrench	10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 17mm, 19mm, 22mm, 24mm
252	Water Pump Pliers	10"
202	Common Knife	137*250mm
203	Putty Knife	50*200mm
286	Brush	4*16Rows
166	Hex Wrench	2mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm
246	Lineman Pliers	8"
248	Pliers, Diagonal Cutting	6"
128	Wrench, Swedish Type 45°	38*430mm
125	Adjustable Wrench	30*250mm, 36*300mm
186	Hammer, Cross Pein Engineers	500g
191	Hammer, Sledge	2000g
260	Slotted Screwdriver	5*100mm, 8*150mm
261	Phillips Screwdriver	#1*75mm, #2*150mm
231	Chisel, Flat	18*20*200mm
225	Scraper Pick And Scalder	200mm
223	Punch, Machinists	5*11*150mm, 8*14*150mm
244	Shears, Tin	225mm
	Tools Bag	

553001 Tool Set-16pcs



Number	Be-Cu Al-Cu	Description
261	Phillips Screwdriver	#1*75mm, #1*100mm
260	Slotted Screwdriver	4*100mm, 5*100mm
167	Wrench, Hex Key With Ball	2mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm
246	Pliers, Lineman	6"
248	Pliers, Diagonal Cutting	6"
253	Pliers, Snipe Nose	6"
252	Pliers, Water Pump	10"
125	Wrench, Adjustable	24*200mm
	Tools Case	

555001 Tool Set-20pcs



Number	Be-Cu Al-Cu	Description
261	Phillips Screwdriver	#1*75mm
260	Slotted Screwdriver	5*75mm
246	Pliers, Lineman	6"
125	Wrench, Adjustable	36*250mm
130	Wrench, Pipe	30*250mm
191	Hammer, Sledge	1800g
203	Knife, Putty	65*200mm
135	Wrench, Combination	8mm, 10mm, 12mm, 13mm, 14mm, 17mm, 19mm, 22mm, 24mm
231	Chisel, Flat	14*16*160mm
223	Punch, Machinists	20*200mm
166	Wrench, Hex Key	4mm
248	Pliers, Diagonal Cutting	6"
	Tools Case	

556001 Tool Set-28pcs



Number	Be-Cu Al-Cu	Description
261	Phillips Screwdriver x 2	#1*100mm, #2*150mm
260	Slotted Screwdriver x 2	5*100mm, 7*150mm
135	Wrench, Combination	8mm, 10mm, 12mm, 14mm, 17mm, 19mm, 22mm, 24mm, 27mm, 30mm, 32mm, 36mm
125	Wrench, Adjustable	24*200mm, 30*250mm, 36*300mm
130	Wrench, Pipe	60*450mm, 50*350mm, 75*600mm
246	Pliers, Lineman x 2	8"
	Tools Case	

557001 Tool Set-35pcs



Number	Be-Cu Al-Cu	Description
135	Combination Wrench	6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 21mm, 22mm, 23mm, 24mm, 25mm, 26mm, 27mm, 30mm, 32mm, 34mm, 35mm, 36mm, 38mm, 41mm, 46mm, 50mm, 55mm, 60mm, 65mm, 70mm
	Tools Case	

558001 Tool Set-36pcs



Number	Be-Cu Al-Cu	Description
146	Wrench, Double Open End	5.5*7mm, 6*7mm, 8*10mm, 9*11mm, 10*12mm, 12*14mm, 14*17mm, 17*19mm, 19*22mm, 22*24mm, 24*27mm, 27*30mm, 30*32mm
135	Wrench, Combination x 3	8mm, 10mm, 13mm, 16mm, 30mm, 32mm
130	Wrench, Pipe x 2	40*300mm
125	Wrench, Adjustable x 2	55*450mm
187	Hammer, Ball Pein	450g
	Tools Case	

560001 Tool Set-14 pcs



Number	Be-Cu Al-Cu	Description
185	Claw Hammer, wooden handle	0.23kg
125	Adjustable Wrench	30*250mm
247	Pliers, Lineman, Bent, German type	7-1/2"
254	Pliers, Snipe Nose, German type	8"
260	Screwdriver Slotted	6*150mm
261	Screwdriver Phillips	#2*150mm
231	Chisel, Flat	18*20*200
166	Wrench, Hex Key	2mm/2.5mm/3mm/4mm /5mm/6mm/8mm
	Brass Case	

559001 Tool Set-47pcs



Number	Be-Cu Al-Cu	Description
135	Combination Wrench	8mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 17mm, 19mm, 21mm, 22mm, 24mm, 26mm, 27mm, 30mm
104	Socket 1/2"	8mm, 11mm, 12mm, 13mm, 14mm, 15mm, 17mm, 19mm, 21mm, 22mm, 24mm, 26mm, 27mm, 30mm, 36mm, 41mm
261	Phillips Screwdriver	#1*75mm, #2*125mm
260	Slotted Screwdriver	4*100mm, 6*100mm
186	Hammer, Cross Pein Engineers	200g, 300g
223	Punch	3*11*120mm, 4*11*120mm
120	Ratchet Wrench	1/2*245mm
122	Driver Extension	1/2*100mm
118	Hinged Handle	1/2*400mm
285	Brush	4*19Rows
256	Pliers, Snap Ring-Internal	8", 10"
257	Pliers, Snap Ring-External	8", 10"
	Tools Case	

561001 Tool Set-13 pcs



Number	Be-Cu Al-Cu	Description
187	Ball Pein Hammer, wooden handle	230g
257	Wire Stripper	6"
254	Pliers, Snipe Nose, Bent, German type	9"
125	Adjustable Wrench	24*200mm
135	Wrench, Combination	6mm/8mm/10mm/12mm/14mm/17mm /19mm/22mm/24mm
	Brass Case	

562001 crewdriver Set-14 pcs



Number	Be-Cu Al-Cu	Description
261	Phillips Screwdriver	#0*50mm/#1*75mm/ #1*100mm/#2*125mm/ #2*150mm/#3*200mm/ #3*250mm
260	Slotted Screwdriver	3*50mm/4*100mm/5*100mm/ /6*150mm/8*200mm
260	Stubby Phillips Screwdriver	6*36mm
261	Stubby Slotted Screwdriver	#2*36mm
	Tools Box	520*280*60mm

563001 InspectionSet-13 pcs (for oil depot)



Number	Be-Cu Al-Cu	Description
206	Scraper, Flat	30*200mm
286	Brush	6*15Rows
244	Shears, Tin	300mm
246	Pliers, Lineman	8"
260	Slotted Screwdriver	6*150mm
261	Phillips Screwdriver	#2*150mm
185	Hammer, Claw	0.45kg
125	Adjustable Wrench	36*300mm
151	Wrench, Double Box Offset	14*17mm
231	Chisel, Flat	18*20*200mm
268	Marking Tool	4*252mm
	Hand Cadger	
	Grease Gun	
	Tools Case	

565001 Inspection Set-51 pcs (for oil depot)



Number	Be-Cu Al-Cu	Description	Q ' ty
270	Hacksaw Frame	500mm	1
206	Scraper, Flat	30*200mm	2
286	Brush	6*15Rows	1
244	Shears, Tin	300mm	1
253	Pliers, Long Nose	8"	1
246	Pliers, Lineman	8 "	1
260	Slotted Screwdriver	3*50mm/5*100mm/ 6*150mm/8*200mm	1
261	Phillips Screwdriver	#0*50mm/#1*100mm/ #2*150mm/#3*200mm	1
231	Chisel, Flat	18*20*200mm	1
185	Hammer, Claw	0.45kg	1
151	Wrench, Double Box Offset	14*17mm	1
125	Wrench, Adjustable	36*300mm	1
166	Wrench, Hex Key	2mm/3mm/4mm /5mm/6mm/7mm /8mm/10mm/12mm /14mm16mm	1
271	Hacksaw Blade	300mm	20
	Hand Cadger		1
	Tools Case		

566001 Inspection Set-20 pcs (for oil depot)



Number	Be-Cu Al-Cu	Description
263	Scraper, Flat	30*200mm
286	Brush	6*15Rows
244	Shears, Tin	300mm
253	Pliers, Long Nose	8"
246	Pliers, Lineman	8 "
260	Slotted Screwdriver	6*150mm
261	Phillips Screwdriver	#2*150mm
185	Hammer, Claw	0.45kg
151	Wrench, Double Box Offset	14*17mm/22*24mm/30*32mm
125	Wrench, Adjustable	30*250mm/36*300mm
146	Wrench, Double Open End	19*22mm/22*24mm/24*27mm
217	File, Flat	150mm
223	Punch, Machinists'	18*300mm
131	Wrench, Pipe	50*350mm
231	Chisel, Flat	18*20*200mm
	Tools Case	

567001 Tool Set-24 pcs



Number	Be-Cu Al-Cu	Description
104	Socket	1/4 " , 5/16 " , 3/8 " , 7/16 " , 1/2 " 9/16 " , 19/32 " , 5/8 " , 11/16 " 3/4 " ,25/32 " , 13/16 " ,7/8 " , 15/16 " ,1 " ,1-1/16 " ,1-1/8 " , 1-1/4 "
118	Hinged Handle	1/2 " *250mm
120	Ratchet Wrench	1/2 " *245mm
122	Driver Extension	1/2 " *125mm,1/2 " *250mm
117	Sliding Bar	1/2 " *11 "
123	Speed Handle	1/2 " *390mm
	Tools Bag	

568001 Tool Set-36 pcs



Number	Be-Cu Al-Cu	Description
135	Combination Wrench	8mm, 10mm,11mm,12mm, 13mm,14mm,15mm,17mm, 19mm,22mm,24mm
252	Water Pump Pliers	10"
202	Common Knife	137*250mm
203	Putty Knife	50*200mm
286	Brush	4*16Rows
166	Wrench,Hex Key	2mm, 3mm, 4mm, 5mm 6mm,8mm,10mm
246	Lineman Pliers	8 "
248	Pliers,Diagonal Cutting	6"
128	Wrench,Swedish Type 45°	38*430mm
125	Adjustable Wrench	30*250mm, 36*300mm
260	Slotted Screwdriver	5*100mm, 8*150mm
261	Phillips Screwdriver	#1*75mm, #2*150mm
231	Chisel,Flat	18*20*200mm
225	Chisel,Cross	200mm
223	Punch	5*11*150mm, 8*14*150mm
244	Scissor	225mm
	Tools Bag	

569001 Tool Set-120 pcs



Number	Be-Cu Al-Cu	Description mm
135	Wrench,Combination	(120PCS) 8mm,10mm,12mm,13mm,14mm , 16mm,17mm,19mm,22mm,24mm, 27mm,30mm,32mm
174	Valve Handle	50*400mm
191	Hammer,Sledge	1kg, 1.8kg
185	Hammer,Claw	0.45kg
187	Hammer,Ball Pein	0.45kg
131	Wrench,Pipe	20*150mm,25*200mm,30*250mm, 40*300mm,50*350mm
125	Wrench,Adjustable	18*150mm,24*200mm, 30*250mm,36*300mm
246	Pliers,Lineman	6" , 8"
253	Pliers,Snipe Nose	6" , 8"
248	Pliers,Flat Nose	6" , 8"
250	Pliers,Diagonal Cutting	6" , 8"
245	Pliers,Adjustable,Combination	6" , 8"
249	Pincers	8"
242	Shears,Cutting	150mm
252	Pliers,Groove Joint	10"
260	Slotted Screwdriver	4*75mm,5*100mm,6*150mm,8*200mm
261	Phillips Screwdriver	#1*75mm,#1*100mm,#2*150mm, #3*200mm
259	Slotted Offset Screwdriver	6*72mm,8*125mm,10*196mm
167	Wrench,Hex Key	3mm,4mm,5mm,6mm,7mm,8mm, 10mm
232	Chisel 6 Point	16*160mm
239	Bar,Wrecking	13*250mm
178	Wrench,Bung	350mm
202	Knife,Common	137*250mm
203	Knife,Putty	25*200mm
258	Tweezers,Neat Tips	150mm
221	File,Triangle	200mm
238	Hearing Needle	6*250mm
268	Marking Tool	4*250mm
272	Hand Saw	370mm
270	Hacksaw Frame	500mm
271	Hacksaw Blade	300mm
186	Brush	6*15Rows
101	1/2" Dr Socket	Set-28pcs
101	3/4" Dr Socket	Set-21pcs
	Tools Trolley	



Leaking Stoppage P201-P202

(21) 601001-606001

601001 Leaking Stoppage Drivepipe Set



- The plugging driverpipe is a necessary special equipment for emergency plugging.
- It has the characteristics of wide range of pipe diameter, large plugging area, convenient installation, reuse, excellent sealing performance, vibration resistance, aging resistance, oil resistance, weak acid and weak alkali resistance and so on.
- Plugging media: oil, water, natural gas, pipe.

Tools	Description
Plugging pipe	13mm、19mm、25mm、32mm、38mm、51mm、64mm、76mm、89mm、102mm
Ratchet wrench	1/2"
Sleeve	1/2"

602001 Leaking Stoppage Wedge Set



- Cone, cylindrical, trustum of a pyramid wooden wedge and hammer.
- Plug leakage medium temperature range 120°C (From minus 30 degrees to 90 degrees above zero)
- Wood hammer;
- Wood bar;
- Woodward;
- Cylindrical wood wedge, cube wood wedge

Tools	Description
Wood hammer	L240mm 1pc
Wood bar	11mm*25mm L225mm 1pc narrow path 2mm Majordiameter 27mm length
Woodward	2mm*27mm L125mm 5pcs 10mm
Cylindrical wood	L40mm 19pcs
wedgcube wood wedge	10*10mm L35mm 10pcs

603001 Injection Plugging Tools



- Injection plugging tools are widely used in chemical enterprises, oil fields, gas reservoirs, and various places where high temperature and high pressure, toxic and harmful, flammable and explosive media leakage may occur. Can effectively deal with pipeline, flange, valve and other parts of the leakage.
- The injection plugging tool can plug the temperature range of the leak medium -200°C -650°C , and bear the pressure of the leak medium to more than 300 MPa.
- The suitable medium varieties cover almost all kinds of acids, bases, salts, water, oil, gas and various chemical solvents.

Tools	Description
Glue gun	1pc
Manual oil pump	(With quick coupling) 1pc
Oil tube with rapid connector	Speed joint for tubing
Angle adapter	Angle adapter M12 1pcRubber
Rubber nut	nut M12,M14,M16, 1pc
Plugging gel	eachplugging gel 2pcs/box

605001 Adhesive Plugging Equipment



For sealing leaks in flat surfaces, pipeline channels, and various storage tanks (square, vertical/horizontal, etc.). For large tanks, two operators work together—one lowers the tool by rope from above, the other seals the leak mid-air, then the rope is retrieved.

606001 Plugging Tools Set



- Paste-type plugging tools are widely used in chemical enterprises, oil fields and other pharmaceutical industries.
- Flammable and, electrolytic workshops,communication and assembly workshops in oil tankers and liquefied petroleum gas vehicles, aircraft and other industries are suitable for installation, maintenance and operation inspection of equipment combustible gas and combustible dust environments.

Tools	Description
Non-sparking Tensioner	30mm 1pcs.
Non-sparking Beryllium Copper Belt	2.5m 2pcs.
Non-sparking buckle	10pcs.
Non-sparking brush	24*260 1pcs.
Non-sparking block	large, medium, small 9pcs.
Quick plugging glue	20*200 1pcs.
Combination pliers	200mm 1pcs.
Explosion proof round head hammer	1P 1pcs.
Slotted screwdriver	100mm 1pcs.
Phillips screwdriver	100mm 1pcs.
Hex Key	1pcs.
Flat Chisel	18*200 1pcs.

Tools	Description
Non-sparking magnetic block	FBGD-300
Non-sparking handle	40*450mm
Non-sparking Screws	M14 2pcs
Brush, Shoe handle	4*16
Hammer, Ball Pein	0.45kg
Wrench, Adjustable	18*150mm,36*300mm
Wrench, Double Open End	14*17mm,19*22mm
Slotted Screwdriver	5*100mm
Phillips Screwdriver	5*100mm
Pb Plumb	9pcs
Copper plate	120*170mm 4pcs
KHT Glue	20*200mm*114g
Tools case	



河北省科技专家企业工作站

河北省科学技术协会
二〇二四年七月



Forcible Entry Tools P203-P206

② 607001-610001



The application scenarios of explosion-proof demolition tools are as follows:



607001 Non-Magnetic, Non-Sparking Tools Set



Tools	Description	Q'ty
Marking Tool	Length 400mm	1
Hand saw	Length 370mm	1
Flat chisel	14*160mm	1
Flat chisel	18*200mm	1
Claw hammer	230g	1
Sledge hammer	1400g	1
Pipe wrench	300mm	1
Wrecking Bar	13*250mm,	1
Long nose plier	6"	1
Adjustable combination pliers	8"	1
Diagonal cutting plier	6"	1
Lineman plier	8"	1
Slotted screwdriver	4" 6" 8"	3
Phillips screwdriver	4" 6" 8"	3
Hearing Needle	6*250mm	1
Knife	250mm	1
Brush	230*29mm	1
Tweezer	150mm	1
Putty knife	25*200mm	1
Hex key	2,4,6,8,10,12,14mm	7
Slotted offset screwdriver	6*80mm、8*125mm、12*200mm	3
Combination wrench	8,10,12,14,17,19,22,24,27	9
Adjustable wrench	6" 8" each 1pc	2
Shears, cutting	6"	1
Thin sheet	100*100*0.1mm,	6
Support plate	10*10*0.8mm,	6
Leaf spring	40*0.8mm	6
Hook knife	length:200 mm, hook mouth 1 mm, blade 0.3 mm,	1
Split hook	2*100mm	1
Line needle	2*100mm	1
Probe needle	2*100mm	1
Extension bar	8*400mm	1
Special Toolbox	Material: Aluminum Plastics	1

608001 Hook and Line Tools Set



Tools	Description	Q'ty
Robbin		1
Main Rope	Diameter not more than 5.5 mm, length not less than 100 meters Material: Nylon	1
Nylon rope	Diameter not more than 5.5mm, length 2m、5m 1pc each	2
Steel wire rope	length 2 m, diameter 1.5 mm ,2 mm , 3 mm 2 pc each,Material: Zinc-plated steel wire	6
Rope Puller	anti-stripping double grooves, used to pull rope Material: Aluminum alloy	1
Slip tray	foldable, unfolded. Volume :580 mm X310 X160 mm, material: Nylon fabric	1
Single flat hook	Opening dimensions of hook: 14 mm ,25 mm , 50 mm 1pc each; Material: stainless steel	3
Double flat hook	Opening dimension of hook: 25mm Material: stainless steel	1
Clamps	Clamps up to 22 mm	2
Pliers	adjustable from 17mm to 38 mm, Material: steel	1
Wide band	No less than 80 mm X1200 mm Material: leather	1
Shackle	Throat width 12 mm, throat depth 22 mm, Material: stainless steel	2
Flat steel cone	cone length not less than 80 mm, Material: steel	2
Tip steel cone	cone length not less than 75 mm, Material: steel	2
Expansion bar	705mm~1150mm, made of stainless steel	2
Disc	Adjustable, opening width not less than 200mm Material: Slide bar: steel, Clip arm: plastic.	1
Multi-functional Tools	No less than 9 kinds of tool functions (knife, pliers, scissors, file, ruler, slotted screwdriver, phillips screwdriver, bottle opening and can opening function, etc.) Material: high quality alloy steel	1
Open Pulley	Material: Aluminum alloy	4
Bucket pulley	Material: Aluminum alloy	1
Stretch rod	extension length is not less than 3 meters, Material: carbon fiber	1
Long groove extension bar	diameter :13 mm , long groove, Material, steel.	1
Double needle rod	diameter: 12 mm , double positioning needle, Material: steel	1
Large anti-decoupling	135 mm X80 X12 mm, Material: steel	1
Small anti-decoupling	135 mm X80 X12 mm, Material: steel	1
Throw hook	Triple anchor hook, Material: steel	2
Adhesive plate	not less than 75 mm X75 mm, Material: Aluminum alloy	10
Double suction cup	material: cast Aluminum alloy	1
Lock ring	23 mm X25 mm, Material: Steel	4
Wire block	clamp the cable with 5.5 mm diameter, with ring can bear tension of not less than 50 kg, Material: Aluminum alloy	1
Lock	D type, opening 13 mm, opening anti-stripping, material: stainless steel	1
Metal ring	25 mm diameter, Material: stainless steel	1
Key wrench	15 mm, Material: steel	1
Lower open door	600mm~1700mm, stainless steel	1
Push button door Opener	Used to open button handle door, material: steel	1
Glass destroyer	can break ordinary automobile glass, Material: steel	1
Double hook	for pulling automobile door, material: stainless steel	1
Auxiliary rope	diameter not less than 4 mm, length not less than 1 m , 3 m each 1pc, Material: nylon	2
Special toolbox	special toolbox, Material: Aluminum plastic	2

609001 Manual Breakdown Tool Set 8 Pcs



● **Product Features:** Manual rescue tools 8-piece set, designed for forcible entry during rescue and emergency situations.

The product is easy to use and packaged in a compact and durable toolbox.

● **Product Process:** The tool handle is oxidized and the tools made from Beryllium copper alloy and Aluminum bronze by die forging.

The handle has anti-slip function and can freely stretch the handle length.

● **Product Function:** The handle chuck allows the installation of a variety of tools, with the ability to expand, can be large and small, can be disassembled and installed characteristics, known as the "hundred change" tool. It integrates the functions of rescue tools commonly used in the world, such as "pry, chop, twist, shear, chisel, cut, bump, rush, top, tear, shovel, knock, pull, split" and so on.

● Manual forcible entry tool is a combination of breaking tools used in emergency rescue.
● It integrates the functions of breaking tools commonly used in the world, including prying, chopping, twisting, shearing, chiseling, pulling, cutting, bumping, punching, jacking, tearing, shoveling, knocking, pulling, splitting etc.

● So what is the use method of each tool in manual forcible entry tool set?

1. Telescopic impact arm: the length of impact arm can be adjusted by loosening the front lock nut. After locking, the lever of any length can be provided in combination with other components, and loosening lock nut can also be used for reciprocating impact positioning and breaking. Other components can be interchangeable by loosening the lock nut.

2. Wide chisel: used to pry and chisel hard objects such as brick walls, wooden doors and windows, can also break chains and bolts etc. This tool can be disassembled into cutter head and connecting rod, connecting rod can be used with other cutter tools.

3. Narrow chisel: used to chisel hard object such as brick wall, cement etc.

4. Sharp chisel: impact and chisel hard objects, can also use other tools to cut after positioning punch

5. Prying device: used with connecting rod to cut iron sheet of automobile, airplane etc.

6. Broken lock nail puller: used to pry open doors and windows, break padlock, and pull out steel nails.

7. Cross head: used with connecting rod, which is convenient for use in narrow space and can broken doors, windows etc.

8. Connecting rod: used with other components. The manual forcible entry tool can stretch and shrink, can be large and small, can be disassembled and installed. It is known as "multipurpose tools", suitable for all kinds of rescue sites, especially for the rescue work in the early stage of earthquake.

Tools	Description
Telescopic Impact Pry Bar	Combined with other, used as lever, handle, impact, torture, telescopic length 670-1020 mm
Nail Puller	Used to pry off the padlock, pull up steel nail, the length 300 mm
Hawk Pry	Pry open doors and windows, length 315 mm
Flat Chisel	Impact chisel any hard object, 300、390 mm in length
Point Chisel	Impact chisel concrete and masonry wall, length 315、420 mm
Long Shovel	Cut open wooden door, length 420 mm

610001 Manual Breakdown Tool Set 8pcs



● Iron Pen, Axe, Door Breaker Hammer, Backpack

● Door Breaker Hammer: Anti-electric and anti-fire function, with shock-absorbing handle, absorb most of the impact stress, one or two persons operation. Each set of broken door impact with adjustable quick-release shoulder strap. It is specially designed and used for breaking doors or hinges in the team. The breaker is responsible for performing open work for pioneers to break into buildings and smash any structural obstacles such as doors and windows. Bolt Chipper: the shear clamp of high speed steel has good hardness, which overcomes the disadvantage of carbon tool steel losing the ability of cutting metal at high temperature, and the handle design achieves lever effect.

● Steel Pen: Non-sparking, anti-shock up to 100 000 volts.

● Steel Axe: Anti-static, non-sparking, anti-slip, advanced polymer handle, add special coating, so that the steel axe will not absorb glass fragments.

● Backpack: The backpack is made of nylon material, the inner auxiliary seal type sponge, each tool pocket has an adjustable protective belt, the backpack is designed by the human body back-up shape, the shoulder belt, chest belt, belt can be adjusted.



BRASS HAMMER

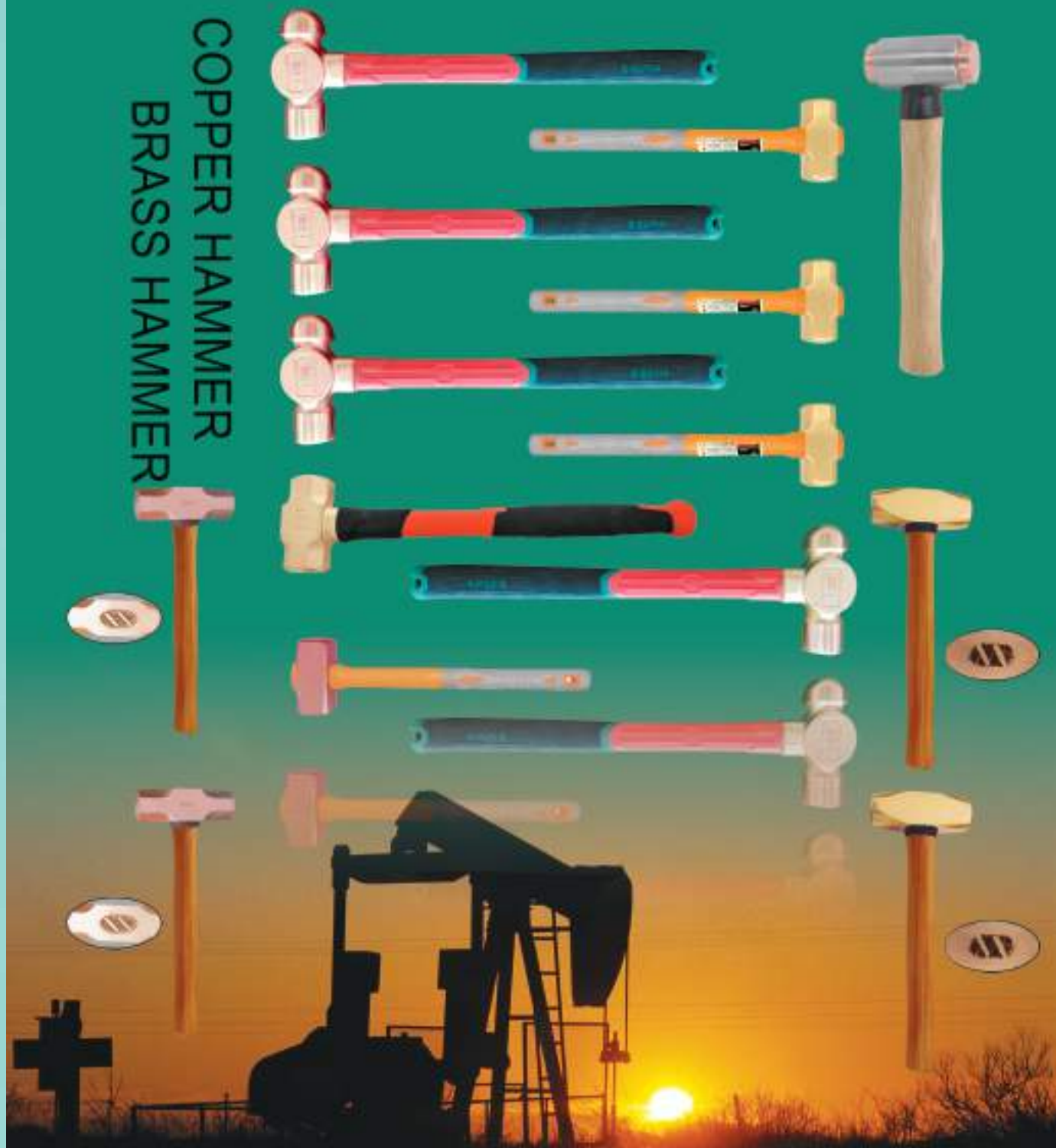


COPPER HAMMER

HAMMER P207-P214

X-Spark®

COPPER HAMMER
BRASS HAMMER



Brass Hammer \ Copper Hammer P207-P214
 23 2101001-2212002

2101 Brass Hammer, Sledge



Number	Size lb	L mm	Weight g
2101001	1/2	290	265
2101002	1	310	450
2101003	1-1/2	340	680
2101004	2	365	910
2101005	2-1/2	400	1130
2101006	3	430	1360
2101007	4	550	1800
2101008	5	645	2250
2101009	6	750	2700
2101010	8	750	3600
2101011	10	855	4500
2101012	12	960	5400
2101013	14	960	6400
2101014	15	1065	6750
2101015	16	1065	7200
2101016	18	1065	8100
2101017	20	1170	9000
2101018	22	1170	9900
2101019	25	1170	11250

2101 Brass Hammer, Sledge, Sleeved



Number	Size lb	L mm	Weight g
2101020	1	300	450
2101021	2	360	910
2101022	3	405	1360
2101023	4	410	1800

2101 Brass Hammer, Sledge



Number	Size lb	L mm	Weight g
2101024	1	310	450
2101025	2	320	910
2101026	3	360	1360
2101027	4	380	1800
2101028	5	400	2250
2101029	6	400	2700
2101030	8	700	3600
2101031	10	800	4500
2101032	12	800	5400
2101033	14	800	6400
2101034	15	900	6750
2101035	16	900	7200
2101036	20	900	9000
2101037	22	900	9900

2101 Brass Hammer, Sledge



Number	Size g	L mm	Weight g
2101038	1500	360	1500
2101039	2000	380	2000
2101040	3000	700	3000
2101041	5000	800	5000
2101042	8000	900	8000
2101043	10000	900	10000
2101044	16000	900	16000
2101045	20000	900	20000

2101 Brass Hammer, Sledge, Sleeved



Number	Size lb	L mm	Weight g
2101046	1	310	450
2101047	2	320	910
2101048	3	360	1360
2101049	4	380	1800

2102 Brass Hammer, Mallet



Number	Size lb	L mm	Weight g
2102001	1	310	450
2102002	2	365	910
2102003	3	430	1360
2102004	5	645	2250
2102005	6	750	2700
2102006	7	750	3150
2102007	8	750	3600
2102008	10	855	4500
2102009	12	960	5400
2102010	14	960	6400
2102011	15	1065	6750
2102012	16	1065	7200
2102013	18	1065	8100
2102014	20	1170	9000

2102 Brass Hammer, Mallet



Number	Size lb	L mm	Weight g
2102015	1	310	450
2102016	2	320	910
2102017	3	360	1360
2102018	5	400	2250
2102019	6	400	2700
2102020	8	700	3600
2102021	10	800	4500
2102022	15	800	6750

2103 Brass Hammer, Drum Type



Number	Size lb	L mm	Weight g
2103001	1/2	290	230
2103002	1	310	450
2103003	1-1/2	340	680
2103004	2	365	910
2103005	3	430	1360
2103006	4	550	1800
2103007	5	645	2250
2103008	6	750	2700
2103009	8	750	3600
2103010	10	855	4500

2103 Brass Hammer, Drum Type



Number	Size lb	L mm	Weight g
2103011	1/2	280	230
2103012	1	300	450
2103013	1-1/2	320	680
2103014	2	320	910
2103015	3	360	1360
2103016	4	360	1800
2103017	5	400	2250
2103018	6	400	2700
2103019	8	700	3600
2103020	10	800	4500

2104 Brass Hammer, Sledge (German Type)



Number	Size g	L mm	g
2104001	500	310	500
2104002	800	340	800
2104003	1000	400	1000
2104004	1500	430	1500
2104005	1800	550	1800
2104006	2000	645	2000
2104007	2700	750	2700
2104008	3000	750	3000
2104009	3600	750	3600
2104010	4000	855	4000
2104011	5000	855	5000
2104012	7000	1065	7000

2104 Brass Hammer, Sledge (German Type)



Number	Size g	L mm	g
2104013	500	310	500
2104014	1000	320	1000
2104015	1500	360	1500
2104016	1800	380	1800
2104017	2000	380	2000
2104018	2700	400	2700
2104019	3600	700	3600
2104020	4000	800	4000
2104021	5000	800	5000

2105 Brass Hammer, Ball Pein



Number	Size lb	L mm	g
2105001	1/2	290	230
2105002	3/4	290	340
2105003	1	310	450
2105004	1-1/2	340	680
2105005	2	365	910
2105006	2-1/2	400	1130
2105007	3	430	1360
2105008	4	550	1800
2105009	5	645	2250

2105 Brass Hammer, Ball Pein, Sleeved



Number	Size lb	L mm	g
2105010	1/2	290	230
2105011	3/4	290	340
2105012	1	310	450
2105013	1-1/2	340	680
2105014	2	365	910
2105015	2-1/2	400	1130

2105 Brass Hammer, Ball Pein



Number	Size lb	L mm	g
2105016	1/2	300	230
2105017	3/4	300	340
2105018	1	300	450
2105019	1-1/2	325	680
2105020	2	365	910
2105021	2-1/2	365	1130

2105 Brass Hammer, Ball Pein, Sleeved



Number	Size lb	L mm	g
2105022	1/2	300	230
2105023	3/4	300	340
2105024	1	300	450
2105025	1-1/2	325	680
2105026	2	365	910
2105027	2-1/2	365	1130

2106 Brass Hammer, Double face



Number	Size g	L mm	g
2106001	500	310	500
2106002	1000	365	1000
2106003	2000	645	2000
2106004	3000	750	3000
2106005	5000	855	5000

2106 Brass Hammer, Double face



Number	Size g	L mm	g
2106006	500	310	500
2106007	1000	320	1000
2106008	1500	360	1500
2106009	2000	380	2000
2106010	3000	700	3000
2106011	5000	800	5000

2107 Brass Flat Hammer (Euro Type)



Number	Size lb	L mm	g
2107001	1	310	450
2107002	2	365	910
2107003	3	430	1360
2107004	5	645	2250
2107005	6	750	2700
2107006	8	750	3600
2107007	10	855	4500
2107008	15	1065	6750

2107 Brass Flat Hammer (Euro Type)



Number	Size lb	L mm	g
2107009	1	310	450
2107010	2	320	910
2107011	3	360	1360
2107012	5	400	2250
2107013	6	400	2700
2107014	8	700	3600
2107015	10	800	4500
2107016	15	800	6750

2108 Brass Hammer,Scaling



Number	Size g	L mm	g
2108001	150	290	285
2108002	205	290	325
2108003	300	310	450
2108004	450	340	650

2108 Brass Hammer,Scaling



Number	Size g	L mm	g
2108005	150	330	205
2108006	300	350	370

2109 Nylon Hammer



Number	Size g	L mm	g
2109001	420	280	420
2109002	650	340	650

2110 Brass Pickaxe



Number	Size	H mm	L mm	g
2110001	#1	360	910	2000
2110002	#2	385	910	2800
2110003	#3	410	910	3200

2111 Brass Hammer,Solid



Number	D mm	L mm	g
2111001	24	200	350
2111002	30	250	850
2111003	35	290	1550

2112 Brass Hammer, Claw



Number	Size g	L mm	g
2112001	230	290	405
2112002	450	340	650
2112003	680	365	950
2112004	910	400	1200

2113 Brass Hammer,Welder's Chipping



Number	H g	L mm	g
2113001	250	300	320

2114 Brass Hammer,Sledge



Number	H g	L mm	g
2114001	1000	370	1000
2114002	1500	370	1500
2114003	2000	370	2000
2114004	3000	700	3000
2114005	4000	900	4000
2114006	10000	900	10000

2115 Brass Hammer,Sledge (German Type)



Number	H g	L mm	g
2115001	1500	370	1500
2115002	2000	370	2000
2115003	2700	700	2700
2115004	3600	700	3600
2115005	5000	900	5000

2201 Copper Hammer,Sledge



Number	Size lb	L mm	g
2201001	1	310	450
2201002	2	365	910
2201003	3	430	1360
2201004	4	550	1800
2201005	5	645	2250
2201006	6	750	2700
2201007	8	750	3600
2201008	10	855	4500
2201009	12	960	5400
2201010	14	960	6400
2201011	16	1065	7200
2201012	20	1170	9000

2201 Copper Hammer, Sledge, Sleeved



Number	Size lb	L mm	Weight g
2201013	1	300	450
2201014	2	360	910
2201015	3	405	1360
2201016	4	410	1800

2201 Copper Hammer, Sledge



Number	Size lb	L mm	Weight g
2201017	1	310	450
2201018	2	320	910
2201019	3	360	1360
2201020	4	380	1800
2201021	5	400	2250
2201022	6	400	2700
2201023	8	700	3600
2201024	10	800	4500
2201025	12	800	5400
2201026	14	800	6400
2201027	16	900	7200
2201028	20	900	9000

2201 Copper Hammer, Sledge, Sleeved



Number	Size lb	L mm	Weight g
2201029	1	310	450
2201030	2	320	910
2201031	3	360	1360
2201032	4	380	1800

2202 Copper Hammer, Mallet



Number	Size lb	L mm	Weight g
2202001	1	310	450
2202002	1-1/2	340	380
2202003	2	365	910
2202004	3	430	1360
2202005	4	550	1800
2202006	5	645	2250
2202007	6	750	2700
2202008	8	750	3600
2202009	10	855	4500
2202010	12	960	5400
2202011	15	1065	6750

2202 Copper Hammer, Mallet



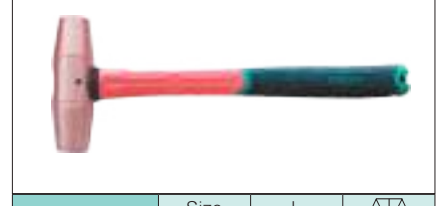
Number	Size lb	L mm	Weight g
2202012	1/2	280	230
2202013	1	300	450
2202014	1-1/2	320	680
2202015	2	320	910
2202016	3	360	1360
2202017	4	380	1800
2202018	5	400	2250
2202019	6	400	2700
2202020	8	700	3600
2202021	10	800	4500
2202022	15	800	6750

2203 Copper Hammer, Drum Type



Number	Size lb	L mm	Weight g
2203001	1/2	290	230
2203002	1	310	450
2203003	1-1/2	340	680
2203004	2	365	910
2203005	3	430	1360
2203006	4	550	1800
2203007	5	645	2250
2203008	6	750	2700
2203009	8	750	3600
2203010	10	855	4500

2203 Copper Hammer, Drum Type



Number	Size g	L mm	Weight g
2203011	300	310	300
2203012	350	310	350
2203013	400	340	400
2203014	500	340	500
2203015	650	365	650
2203016	750	365	750
2203017	810	365	810
2203018	1100	430	1100
2203019	1500	550	1500
2203020	1800	550	1800
2203021	2000	645	2000

2203 Copper Hammer, Drum Type



Number	Size lb	L mm	Weight g
2203022	1/2	280	230
2203023	1	300	450
2203024	1-1/2	320	680
2203025	2	320	910
2203026	3	360	1360
2203027	4	360	1800
2203028	5	400	2250
2203029	6	400	2700
2203030	8	700	3600
2203031	10	800	4500

2203 Copper Hammer, Drum Type



Number	Size g	L mm	Weight g
2203032	1000	320	1000
2203033	2300	400	2300
2203034	2700	400	2700

2204 Copper Hammer, Sledge (German Type)



Number	Size g	L mm	g
2204001	500	310	500
2204002	800	340	800
2204003	1000	365	1000
2204004	1500	430	1500
2204005	1800	550	1800
2204006	2000	645	2000
2204007	2700	750	2700
2204008	3600	750	3600
2204009	4000	855	4000
2204010	4500	855	4500
2204011	5000	855	5000
2204012	6400	960	6400
2204013	7000	1065	7000
2204014	7200	1065	7200
2204015	8000	1065	8000
2204016	8100	1065	8100
2204017	9000	1170	9000
2204018	10000	1170	10000

2204 Copper Hammer, Sledge (German Type)



Number	Size g	L mm	g
2204019	200	280	200
2204020	250	310	250
2204021	500	310	500
2204022	680	320	680
2204023	910	320	910
2204024	1000	320	1000
2204025	1500	360	1500
2204026	1800	380	1800
2204027	2000	380	2000
2204028	2500	400	2500
2204029	2700	400	2700
2204030	3000	700	3000
2204031	3600	700	3600
2204032	4000	800	4000
2204033	5000	800	5000
2204034	6000	800	6000
2204035	6500	900	6500
2204036	7200	900	7200
2204037	8000	900	8000
2204038	9000	900	9000

2205 Copper Hammer, Ball Pein



Number	Size lb	L mm	g
2205001	1/2	290	230
2205002	3/4	290	340
2205003	1	310	450
2205004	1-1/2	340	680
2205005	2	365	910
2205006	2-1/2	400	1130
2205007	3	430	1360

2205 Copper Hammer, Ball Pein



Number	Size g	L mm	g
2205008	750	365	750
2205009	1000	400	1000
2205010	1500	550	1500
2205011	2000	645	2000
2205012	2500	645	2500
2205013	3000	750	3000
2205014	3500	750	3500

2205 Copper Hammer, Ball Pein, Sleeved



Number	Size lb	L mm	g
2205015	1/2	290	230
2205016	3/4	290	340
2205017	1	310	450
2205018	1-1/2	340	680
2205019	2	365	910
2205020	2-1/2	400	1130
2205021	3	430	1360

2205 Copper Hammer, Ball Pein



Number	Size lb	L mm	g
2205022	1/2	300	230
2205023	3/4	300	340
2205024	1	300	450
2205025	1-1/2	325	680
2205026	2	365	910
2205027	2-1/2	365	1130
2205028	3	365	1360
2205029	4	365	1800
2205030	5	400	2250
2205031	6	500	2700
2205032	8	700	3600

2205 Copper Hammer, Ball Pein, Sleeved



Number	Size lb	L mm	g
2205033	1/2	300	230
2205034	3/4	300	340
2205035	1	300	450
2205036	1-1/2	325	680
2205037	2	365	910
2205038	2-1/2	365	1130
2205039	3	365	1360

2206 Copper Hammer, Double face



Number	Size g	L mm	g
2206001	330	290	330
2206002	500	310	500
2206003	750	340	750
2206004	1000	365	1000
2206005	1500	430	1500
2206006	2000	645	2000
2206007	3000	750	3000
2206008	5000	855	5000

2206 Copper Hammer, Double Face



Number	Size g	L mm	g
2206009	250	280	250
2206010	500	310	500
2206011	800	320	800
2206012	1000	320	1000
2206013	1500	380	1500
2206014	2000	380	2000
2206015	2500	400	2500
2206016	3000	700	3000
2206017	5000	800	5000

2207 Copper Flat Hammer (Euro Type)



Number	Size lb	L mm	g
2207001	1	310	450
2207002	1-1/2	340	680
2207003	2	365	910
2207004	3	430	1360
2207005	4	550	1800
2207006	5	645	2250
2207007	6	750	2700
2207008	8	750	3600
2207009	10	855	4500
2207010	14	960	6400
2207011	15	1065	6750

2207 Copper Flat Hammer (Euro Type)



Number	Size g	L mm	g
2207012	800	340	800
2207013	1000	400	1000
2207014	1500	430	1500
2207015	2000	645	2000
2207016	2500	750	2500
2207017	3000	750	3000
2207018	3500	750	3500
2207019	4000	855	4000
2207020	4500	855	4500
2207021	5000	855	5000

2207 Copper Flat Hammer (Euro Type)



Number	Size lb	L mm	g
2207022	1	310	450
2207023	2	320	910
2207024	3	360	1360
2207025	5	400	2250
2207026	6	400	2700
2207027	8	700	3600
2207028	10	800	4500
2207029	15	800	6750

2208 Copper Hammer, Scaling



Number	Size g	L mm	g
2208001	150	290	255
2208002	225	290	350
2208003	300	310	420
2208004	400	340	610
2208005	450	340	650

2208 Copper Hammer, Scaling



Number	Size g	L mm	g
2208006	150	330	205
2208007	225	330	280
2208008	300	350	370
2208009	400	350	470
2208010	450	350	520

2209 Copper Hammer, Industrial Safety



Number	L mm	D mm	g
2209001	310	38	1310

2210 Copper Hammer, Welder's chipping



Number	Size g	L mm	g
2210001	250	300	320

2211 Copper Hammer, Sledge (German Type)



Number	Size g	L mm	g
2211001	1000	370	1000
2211002	1500	370	1500
2211003	2000	370	2000
2211004	4000	900	4000
2211005	5000	900	5000

2212 Copper Hammer, Double Face



Number	Size g	L mm	g
2212001	650	340	650
2212002	800	340	800



Special Steel Tools 50Cr.V



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DIN133

DIN7444

Special Steel Tools 40Cr



Open End Wrench & Striking Wrench

P215-P223

24 3301001-3305085

3301 Wrench, Construction With Pin



● Die Forged

Number	Size mm	L mm	g
3301001	14	220	132
3301002	16	220	135
3301003	17	220	135
3301004	18	240	180
3301005	19	240	186
3301006	20	240	184
3301007	21	260	235
3301008	22	260	237
3301009	23	280	280
3301010	24	280	279
3301011	25	280	275
3301012	26	300	411

3301 Wrench, Construction With Pin



● Die Forged

Number	Size mm	L mm	g
3301013	27	300	411
3301014	29	320	520
3301015	30	320	518
3301016	32	340	532
3301017	33	340	530
3301018	34	360	745
3301019	36	360	728
3301020	38	380	860
3301021	40	380	857
3301022	41	380	855
3301023	42	380	898
3301024	46	400	1124
3301025	49	420	1130
3301026	50	420	1240
3301027	51	420	1130
3301028	55	450	1590
3301029	60	480	1926
3301030	65	520	2170
3301031	70	560	3325
3301032	75	590	3284
3301033	80	630	4549
3301034	85	660	5345

3301 Wrench, Construction With Pin



● Die Forged

Number	Size inch	L mm	g
3301035	5/8	220	180
3301036	3/4	240	184
3301037	7/8	260	240
3301038	15/16	280	286
3301039	1	300	377
3301040	1-1/16	300	370
3301041	1-3/16	320	530
3301042	1-1/4	340	560
3301043	1-5/16	340	560
3301044	1-3/8	360	730
3301045	1-7/16	360	730
3301046	1-1/2	380	890
3301047	1-9/16	380	890
3301048	1-5/8	380	890
3301049	1-11/16	380	890
3301050	1-3/4	400	1140

3301 Wrench, Construction With Pin



● Die Forged

Number	Size mm	L mm	g
3301051	1-13/16	400	1140
3301052	1-7/8	400	1140
3301053	1-15/16	420	1190
3301054	2	420	1190
3301055	2-1/16	450	1500
3301056	2-1/8	450	1500
3301057	2-3/16	450	1500
3301058	2-1/4	480	1870
3301059	2-5/16	480	1910
3301060	2-3/8	480	1910
3301061	2-7/16	480	1910
3301062	2-1/2	520	2300
3301063	2-9/16	520	2300
3301064	2-5/8	520	2300
3301065	2-11/16	590	3480
3301066	2-3/4	590	3480
3301067	2-13/16	590	3480
3301068	2-7/8	590	3480
3301069	2-15/16	590	3480
3301070	3	590	3480

3302 Wrench, Single Open End



● Die Forged DIN 894

Number	Size mm	L mm	g
3302001	6	75	10
3302002	7	95	10
3302003	8	95	10
3302004	9	105	30
3302005	10	105	30
3302006	11	125	40
3302007	12	125	40
3302008	13	140	40
3302009	14	140	57
3302010	15	140	60
3302011	16	160	70
3302012	17	160	69

3302 Wrench, Single Open End



● Die Forged DIN 894

Number	Size mm	L mm	g
3302013	18	170	100
3302014	19	170	100
3302015	20	170	100
3302016	21	195	140
3302017	22	195	152
3302018	23	220	180
3302019	24	220	183
3302020	25	220	180
3302021	26	240	260
3302022	27	240	288
3302023	28	240	280
3302024	29	260	310
3302025	30	260	371
3302026	32	275	401
3302027	33	290	380
3302028	34	290	396
3302029	35	310	470
3302030	36	310	540
3302031	37	310	610
3302032	38	330	660
3302033	39	345	670
3302034	40	345	670

3302 Wrench, Single Open End



● Die Forged DIN 894

Number	Size mm	L mm	g
3302035	41	345	688
3302036	42	360	690
3302037	43	360	695
3302038	44	360	880
3302039	45	375	875
3302040	46	375	874
3302041	47	375	900
3302042	48	410	1105
3302043	49	410	1105
3302044	50	410	1102
3302045	51	410	1140
3302046	52	410	1140
3302047	53	450	1352
3302048	54	450	1350
3302049	55	450	1348
3302050	56	450	1380
3302051	57	450	1380
3302052	58	490	1570
3302053	59	490	1570

3302 Wrench, Single Open End



● Die Forged DIN 894

Number	Size mm	L mm	g
3302054	60	490	1775
3302055	61	490	1730
3302056	62	490	1730
3302057	63	530	2060
3302058	64	530	2060
3302059	65	530	2113
3302060	67	530	2140
3302061	68	570	2460
3302062	70	570	2439
3302063	71	570	2820
3302064	72	570	2820
3302065	73	610	3040
3302066	75	610	3058

3302 Wrench, Single Open End



● Die Forged DIN 894

Number	Size mm	L mm	g
3302067	76	610	3500
3302068	77	610	3500
3302069	78	645	4240
3302070	79	645	4240
3302071	80	645	4282
3302072	81	645	4600
3302073	84	690	5200
3302074	85	690	5302
3302075	86	690	5200
3302076	87	690	5200
3302077	90	850	6038
3302078	92	850	6035
3302079	95	850	5876
3302080	97	850	5880
3302081	100	880	9383
3302082	105	910	9746
3302083	110	940	10067
3302084	115	970	10842
3302085	120	1000	11429
3302086	125	1020	11587
3302087	127	1040	11320
3302088	130	1060	17320
3302089	135	1080	17140
3302090	136	1100	17140
3302091	150	1120	29100
3302092	155	1140	29100
3302093	160	1160	29100

3302 Wrench, Single Open End, Inch



● Die Forged DIN 894

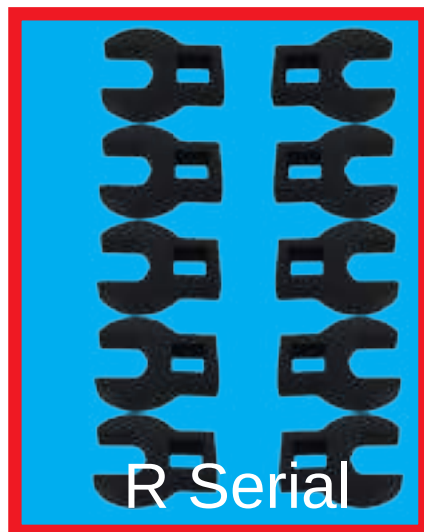
Number	Size inch	L mm	g
3302094	5/16	95	10
3302095	3/8	105	30
3302096	7/16	125	40
3302097	1/2	140	40
3302098	9/16	140	50
3302099	5/8	160	70
3302100	11/16	160	70
3302101	3/4	170	100
3302102	13/16	195	150
3302103	7/8	195	150
3302104	15/16	220	180
3302105	1	240	270
3302106	1-1/16	240	310
3302107	1-1/8	260	310
3302108	1-3/16	260	320
3302109	1-1/4	275	340
3302110	1-5/16	290	340
3302111	1-3/8	310	520

3302 Wrench, Single Open End, Inch



● Die Forged DIN 894

Number	Size inch	L mm	g
3302112	1-7/16	310	500
3302113	1-1/2	330	530
3302114	1-9/16	345	640
3302115	1-5/8	345	650
3302116	1-11/16	375	650
3302117	1-3/4	375	800
3302118	1-13/16	375	860
3302119	1-7/8	410	870
3302120	1-15/16	410	1100
3302121	2	410	1280
3302122	2-1/16	410	1410
3302123	2-1/8	450	1340
3302124	2-3/16	450	1340
3302125	2-1/4	490	1520
3302126	2-5/16	490	1760
3302127	2-3/8	490	1760



R Serial

3302 Wrench, Single Open End, Inch



● Die Forged DIN 894

Number	Size inch	L mm	g
3302128	2-7/16	490	1760
3302129	2-1/2	530	1930
3302130	2-9/16	530	1930
3302131	2-5/8	530	2360
3302132	2-11/16	570	2470
3302133	2-3/4	570	2470
3302134	2-13/16	570	2470
3302135	2-15/16	610	3140
3302136	3	610	3140
3302137	3-1/8	645	3850
3302138	3-1/4	645	3850
3302139	3-3/8	690	4420
3302140	3-1/2	850	6340
3302141	3-5/8	850	6740
3302142	3-3/4	850	6740
3302143	3-7/8	1000	10030
3302144	4-3/8	1000	10670
3302145	4-9/16	1000	10670
3302146	4-5/8	1000	11600
3302147	5	1000	10670

3302 Wrench, Single Open End (WW)



● Die Forged DIN 894

Number	Size ww	L mm	g
3302148	9/16	240	260
3302149	11/16	260	300
3302150	3/4	275	310
3302151	7/8	330	580
3302152	1	345	755
3302153	1-1/8	375	820
3302154	1-1/4	410	1160
3302155	1-3/8	450	1260
3302156	1-1/2	490	1860
3302157	1-5/8	530	2020
3302158	1-3/4	570	2640
3302159	1-7/8	610	3480
3302160	2	645	4100
3302161	2-1/4	850	6480

3303 Wrench, Double Open End



● Die Forged DIN 895

Number	Size mm	L mm	g
3303001	7*8	115	30
3303002	9*11	125	50
3303003	13*16	160	100
3303004	14*15	160	100
3303005	14*17	160	100
3303006	15*16	160	102
3303007	17*19	180	104
3303008	17*21	180	130
3303009	17*22	180	130
3303010	18*21	200	170
3303011	18*22	200	170
3303012	19*21	200	175
3303013	19*22	200	175
3303014	20*21	200	170
3303015	20*22	200	170

3303 Wrench, Double Open End



Number	Size mm	L mm	g
3303016	19*24	220	213
3303017	21*23	230	230
3303018	21*24	230	230
3303019	22*24	230	226
3303020	22*27	255	300
3303021	23*26	255	297
3303022	24*27	255	295
3303023	24*29	255	320
3303024	25*25	255	320
3303025	24*30	255	320
3303026	24*32	280	440
3303027	26*28	280	440
3303028	26*29	280	480
3303029	26*32	280	480
3303030	27*28	280	480
3303031	27*30	280	487
3303032	27*31	290	480

3303 Wrench, Double Open End



● Die Forged DIN 895

Number	Size mm	L mm	g
3303033	27*32	290	488
3303034	28*29	290	488
3303035	28*30	290	485
3303036	29*31	300	472
3303037	29*32	300	470
3303038	30*32	300	469
3303039	30*33	300	469
3303040	30*34	320	700
3303041	30*36	320	700
3303042	32*33	320	698
3303043	32*34	320	695
3303044	32*36	320	695
3303045	32*38	320	693
3303046	32*41	320	693
3303047	33*35	330	775
3303048	33*36	330	775
3303049	34*36	330	773
3303050	34*38	330	770

3303 Wrench, Double Open End



Number	Size mm	L mm	g
3303051	35*36	330	750
3303052	35*38	330	750
3303053	35*41	345	930
3303054	36*37	345	930
3303055	36*38	345	930
3303056	36*39	345	930
3303057	36*41	345	940
3303058	36*42	360	938
3303059	36*46	360	938
3303060	38*39	360	940
3303061	38*40	360	935
3303062	38*41	360	938
3303063	38*42	370	934
3303064	39*41	370	930

3303 Wrench, Double Open End



● Die Forged DIN 895

Number	Size mm	L mm	g
3303065	40*40	370	930
3303066	38*46	380	1140
3303067	40*42	380	1140
3303068	41*46	380	1128
3303069	41*48	380	1140
3303070	41*50	390	1140
3303071	41*51	390	1140
3303072	42*44	390	1140
3303073	42*46	390	1140
3303074	45*48	420	1400
3303075	46*48	420	1400
3303076	46*50	420	1399
3303077	46*55	420	1400
3303078	47*50	420	1400
3303079	48*50	420	1400
3303080	50*52	460	1800

3303 Wrench, Double Open End



Number	Size mm	L mm	g
3303081	50*54	460	1800
3303082	50*55	460	1852
3303083	50*58	470	1850
3303084	50*60	470	1850
3303085	50*62	470	1850
3303086	52*54	470	1850
3303087	52*55	470	1850
3303088	52*62	500	2650
3303089	54*58	500	2650
3303090	55*60	500	2625
3303091	55*65	500	2650
3303092	57*60	500	2650
3303093	60*65	540	3443
3303094	62*65	540	3500
3303095	60*70	560	3630

3303 Wrench, Double Open End



● Die Forged DIN 895

Number	Size mm	L mm	g
3303096	65*70	580	3921
3303097	66*68	580	3630
3303098	70*75	600	4172
3303099	65*75	620	3900
3303100	75*80	660	5212
3303101	80*85	680	7050
3303102	85*90	700	7610
3303103	90*95	720	9370
3303104	95*100	740	9870

3303 Wrench, Double Open End, Inch



● Die Forged DIN 895

Number	Size inch	L mm	g
3303105	19/32*11/16	160	90
3303106	11/16*25/32	180	130
3303107	13/16*25/32	200	170
3303108	7/8*13/16	230	230
3303109	7/8*15/16	255	320
3303110	7/8*1	255	320
3303111	15/16*1-3/32	255	320
3303112	1*1-1/16	255	320
3303113	1-1/16*1-3/16	280	440
3303114	1-3/16*1-3/32	280	440
3303115	1-3/16*1-9/32	300	520
3303116	1-5/8*1-13/16	380	1140
3303117	1-13/16*2	420	1400
3303118	1-31/32*2-3/16	460	1800
3303119	2*2-3/8	500	2650
3303120	2-1/16*2-1/4	500	2650
3303121	2-1/2*2-3/8	540	3500
3303122	2-9/16*2-3/8	540	3500
3303123	2-3/8*2-3/4	580	3630
3303124	2-15/16*3-1/8	600	3900
3303125	3*3-1/8	600	3900

3304 Wrench, Striking Open



● Die Forged DIN 133

Number	Size mm	L mm	g
3304001	13	110	100
3304002	14	110	100
3304003	16	120	100
3304004	17	120	130
3304005	18	125	130
3304006	19	125	130
3304007	20	135	190
3304008	21	135	190
3304009	22	135	183
3304010	23	150	230
3304011	24	150	231
3304012	25	150	230
3304013	26	175	350
3304014	27	175	378
3304015	28	175	350
3304016	29	190	500
3304017	30	190	496
3304018	31	190	500

3304 Wrench, Striking Open



Number	Size mm	L mm	g
3304019	32	200	497
3304020	33	200	585
3304021	34	200	724
3304022	35	210	720
3304023	36	210	724
3304024	37	210	820
3304025	38	220	947
3304026	39	220	820
3304027	40	220	1020
3304028	41	230	1010
3304029	42	230	1020
3304030	43	230	1020
3304031	44	250	1200
3304032	45	250	1200
3304033	46	250	1270
3304034	47	250	1200
3304035	48	275	1500

3304 Wrench, Striking Open



● Die Forged DIN 133

Number	Size mm	L mm	g
3304036	49	275	1500
3304037	50	275	1500
3304038	51	275	1500
3304039	52	275	1500
3304040	53	305	1960
3304041	54	305	1960
3304042	55	305	1888
3304043	56	305	1960
3304044	57	305	1960
3304045	58	315	2200
3304046	59	315	2400
3304047	60	315	2359
3304048	61	315	2400
3304049	62	315	2400
3304050	63	335	3100
3304051	64	335	3100
3304052	65	335	3063
3304053	66	335	3100
3304054	67	335	3100
3304055	68	370	4000

3304 Wrench, Striking Open



Number	Size mm	L mm	g
3304056	70	370	4109
3304057	71	370	4000
3304058	72	370	4000
3304059	74	385	4500
3304060	75	385	4356
3304061	76	385	4500
3304062	77	385	4500
3304063	80	400	5692
3304064	81	400	5500
3304065	82	400	5500
3304066	83	415	5500
3304067	84	415	5500
3304068	85	415	5520
3304069	86	415	5500
3304070	87	415	5500

3304 Wrench, Striking Open



● Die Forged DIN 133

Number	Size mm	L mm	g
3304071	88	445	8140
3304072	89	445	8140
3304073	90	445	7951
3304074	91	445	8140
3304075	92	445	8140
3304076	93	460	8140
3304077	94	460	8140
3304078	95	460	8140
3304079	96	460	8140
3304080	97	460	12330
3304081	98	485	12330
3304082	99	485	12330
3304083	100	485	11989
3304084	102	485	12330
3304085	105	500	12330
3304086	106	500	12330
3304087	107	500	13500
3304088	108	515	13500
3304089	110	515	14074
3304090	112	515	13500
3304091	115	530	13500
3304092	116	530	13500
3304093	118	545	16300
3304094	120	545	16116
3304095	122	545	16300
3304096	125	560	16300
3304097	126	560	16300
3304098	127	560	16300
3304099	130	575	18870
3304100	132	575	18500
3304101	135	590	18500
3304102	138	605	24000
3304103	140	605	22950
3304104	145	620	24000
3304105	150	635	23174
3304106	155	650	26000
3304107	160	665	26000
3304108	165	680	30500
3304109	170	695	30500
3304110	175	710	36000
3304111	180	725	36000
3304112	185	740	41150
3304113	190	755	41150
3304114	195	770	47000
3304115	200	785	47000

3304 Wrench, Bent Striking Open



● Die Forged

Number	Size mm	L mm	g
3304116	17	140	140
3304117	18	140	140
3304118	19	140	141
3304119	20	150	170
3304120	21	150	170
3304121	22	150	174
3304122	24	175	264
3304123	25	175	270
3304124	27	175	382
3304125	30	190	550
3304126	32	190	516
3304127	34	210	750
3304128	36	210	704
3304129	38	230	1000
3304130	41	230	1087
3304131	42	230	1000
3304132	45	250	1250
3304133	46	250	1317
3304134	48	275	1700
3304135	50	275	1697

3304 Wrench, Bent Striking Open



Number	Size mm	L mm	g
3304136	51	275	1700
3304137	53	305	2030
3304138	54	305	2030
3304139	55	305	2209
3304140	60	315	2610
3304141	65	335	3381
3304142	70	370	4504
3304143	71	370	4200
3304144	75	375	4965
3304145	77	375	4700
3304146	78	400	6120
3304147	80	400	6480
3304148	85	425	6120
3304149	87	425	6120
3304150	90	450	7960
3304151	95	475	7960
3304152	135	675	16500

3304 Wrench, Bent Striking Open, Inch



● Die Forged

Number	Size inch	L mm	⚖ g
3304153	3/4	140	130
3304154	1-1/4	190	550
3304155	1-3/4	250	1290
3304156	1-7/8	275	1730

3304 Wrench, Striking Open With Hole



● Die Forged DIN 133

Number	Size mm	L mm	⚖ g
3304157	22	135	184
3304158	24	150	232
3304159	27	175	378
3304160	30	190	497
3304161	32	200	497
3304162	36	210	724
3304163	38	220	948
3304164	41	230	1010
3304165	46	250	1270
3304166	48	275	1500
3304167	50	275	1488
3304168	55	300	1888
3304169	60	315	2359
3304170	65	335	3063
3304171	70	350	4109
3304172	75	375	4356
3304173	80	400	5693
3304174	85	420	5520
3304175	90	445	7951
3304176	95	465	7793
3304177	100	485	11989
3304178	105	500	11863
3304179	110	515	14074
3304180	115	530	13500
3304181	120	545	16116
3304182	125	560	16116
3304183	130	575	18870
3304184	135	590	19584
3304185	140	605	22950
3304186	145	630	22950
3304187	150	645	23174

3304 Bent Wrench, Striking Open



Number	Size mm	L mm	⚖ g
3304188	24	150	400
3304189	27	175	800
3304190	30	190	1043
3304191	32	200	1100
3304192	36	210	1351
3304193	41	230	2200
3304194	46	250	2141
3304195	50	275	2630
3304196	55	305	3147
3304197	60	320	4170
3304198	65	335	4853
3304199	70	360	6505
3304200	75	375	6905
3304201	80	400	7871
3304202	85	425	12200
3304203	90	440	13156
3304204	110	500	17600

3304 Wrench, Striking Open, Inch



● Die Forged DIN 133

Number	Size inch	L mm	⚖ g
3304205	7/16	100	50
3304206	1/2	100	50
3304207	9/16	120	100
3304208	5/8	120	100
3304209	11/16	125	140
3304210	3/4	125	140
3304211	13/16	135	190
3304212	7/8	135	184
3304213	15/16	150	236
3304214	1	175	392
3304215	1-1/16	175	390
3304216	1-1/8	190	509
3304217	1-3/16	190	500
3304218	1-1/4	190	522
3304219	1-5/16	200	540
3304220	1-3/8	210	700
3304221	1-7/16	210	727
3304222	1-1/2	220	944

3304 Wrench, Striking Open, Inch



● Die Forged DIN 133

Number	Size inch	L mm	⚖ g
3304223	1-9/16	230	1000
3304224	1-5/8	230	998
3304225	1-11/16	230	1000
3304226	1-3/4	250	1362
3304227	1-13/16	250	1300
3304228	1-7/8	250	1300
3304229	1-15/16	275	1570
3304230	2	275	1508
3304231	2-1/16	275	1570
3304232	2-1/8	305	2075
3304233	2-3/16	305	1800
3304234	2-1/4	315	2320
3304235	2-5/16	315	2320
3304236	2-3/8	315	2265

3304 Wrench, Striking Open, Inch



Number	Size inch	L mm	⚖ g
3304237	2-7/16	315	2320
3304238	2-1/2	335	3223
3304239	2-9/16	335	2560
3304240	2-5/8	335	2560
3304241	2-11/16	370	3550
3304242	2-3/4	370	4046
3304243	2-13/16	370	3550
3304244	2-7/8	375	4350
3304245	2-15/16	375	4350
3304246	3	375	4260
3304247	3-1/16	400	4900
3304248	3-1/8	400	5548
3304249	3-3/16	400	4900
3304250	3-1/4	400	4900
3304251	3-5/16	400	4900
3304252	3-3/8	400	4900
3304253	3-7/16	400	4900
3304254	3-1/2	445	7658
3304255	3-9/16	445	7800
3304256	3-5/8	445	7800
3304257	3-3/4	445	7800
3304258	3-13/16	445	7800
3304259	3-7/8	485	11680
3304260	3-15/16	485	11680

3304 Wrench, Striking Open, Inch



● Die Forged DIN 133

Number	Size inch	L mm	g
3304261	4	485	11437
3304262	4-1/16	485	11680
3304263	4-1/8	485	11680
3304264	4-3/16	512	14000
3304265	4-1/4	512	14000
3304266	4-5/16	512	14000
3304267	4-3/8	512	14000
3304268	4-7/16	512	14000
3304269	4-1/2	512	14000
3304270	4-9/16	512	14000
3304271	4-5/8	530	16300
3304272	4-11/16	530	16300
3304273	4-3/4	530	16300
3304274	4-13/16	530	16300
3304275	4-7/8	530	16300
3304276	4-15/16	530	16300
3304277	5	560	18500
3304278	5-1/16	560	18500
3304279	5-3/16	560	18500
3304280	5-1/4	560	18500
3304281	5-5/16	560	18500
3304282	5-3/8	630	24000
3304283	5-7/16	630	24000
3304284	5-3/4	630	24000
3304285	5-13/16	630	24000
3304286	5-7/8	630	24000
3304287	6	645	25800
3304288	6-1/4	645	25800

3305 Wrench, Construction with Pin



● Die Forged

Number	Size mm	L mm	g
3305001	14	320	200
3305002	16	320	200
3305003	17	320	201
3305004	18	335	310
3305005	19	335	300
3305006	20	335	300
3305007	21	350	380
3305008	22	350	371

3305 Wrench, Construction with Pin



● Die Forged

Number	Size mm	L mm	g
3305009	23	370	450
3305010	24	370	498
3305011	25	370	450
3305012	26	380	610
3305013	27	380	614
3305014	28	380	610
3305015	29	390	755
3305016	30	390	885
3305017	31	400	755
3305018	32	400	837
3305019	33	400	755
3305020	34	430	950
3305021	35	430	950
3305022	36	430	979
3305023	38	450	1200
3305024	40	450	1200

3305 Wrench, Construction with Pin



Number	Size mm	L mm	g
3305025	41	450	1184
3305026	42	470	1200
3305027	43	470	1200
3305028	44	470	1510
3305029	46	500	1521
3305030	47	500	1510
3305031	48	530	1780
3305032	50	530	1776
3305033	52	530	1780
3305034	55	560	2046
3305035	56	560	2045
3305036	58	580	2850
3305037	60	580	2850
3305038	65	600	2850
3305039	70	620	3350
3305040	75	640	3360

3305 Wrench, Construction with Pin, Inch



● Die Forged

Number	Size inch	L mm	g
3305041	1/2	320	200
3305042	9/16	320	200
3305043	5/8	320	200
3305044	11/16	320	200
3305045	3/4	350	340
3305046	13/16	350	340
3305047	7/8	350	380
3305048	15/16	370	450
3305049	1	370	610
3305050	1-1/16	370	610
3305051	1-1/8	370	610
3305052	1-3/16	400	755
3305053	1-1/4	400	755
3305054	1-5/16	400	755
3305055	1-3/8	430	950
3305056	1-7/16	430	950
3305057	1-1/2	470	1200
3305058	1-9/16	470	1200
3305059	1-5/8	470	1200
3305060	1-11/16	470	1200
3305061	1-3/4	500	1510

3305 Wrench, Construction with Pin, Inch



Number	Size inch	L mm	g
3305062	1-13/16	500	1510
3305063	1-7/8	500	1510
3305064	1-15/16	530	1780
3305065	2	530	1780
3305066	2-1/16	530	1780
3305067	2-1/8	560	2045
3305068	2-3/16	560	2045
3305069	2-1/4	580	2850
3305070	2-5/16	580	2850
3305071	2-3/8	580	2850
3305072	2-7/16	580	2850
3305073	2-1/2	580	2850
3305074	2-9/16	580	2850

3305 Wrench, Construction with Pin, Inch



● Die Forged

Number	Size vw	L mm	g
3305075	1/2	370	450
3305076	9/16	370	610
3305077	5/8	370	610
3305078	11/16	400	755
3305079	3/4	400	755
3305080	7/8	430	950
3305081	1	470	1200
3305082	1-1/8	500	1510
3305083	1-1/4	530	1780
3305084	1-1/2	580	2850
3305085	1-7/8	600	3360

Box End Wrench P223-P246

(25) 3306001-3319026

3306 Wrench, Combination



● Die Forged DIN3113

Number	Size mm	L mm	g
3306001	6	120	20
3306002	8	120	30
3306003	9	135	40
3306004	10	135	40
3306005	11	150	60
3306006	12	150	60
3306007	13	175	100
3306008	14	175	100
3306009	15	195	150
3306010	17	195	150
3306011	18	215	190
3306012	19	215	190
3306013	20	230	270
3306014	21	230	270
3306015	22	245	270
3306016	23	265	320
3306017	24	265	314

3306 Wrench, Combination



● Die Forged DIN3113

Number	Size mm	L mm	g
3306018	25	265	320
3306019	26	290	440
3306020	27	290	386
3306021	28	290	440
3306022	29	320	640
3306023	30	320	671
3306024	31	340	750
3306025	32	340	722
3306026	33	340	750
3306027	34	360	1000
3306028	35	360	1000
3306029	36	360	985
3306030	37	395	1040
3306031	38	395	1040

3306 Wrench, Combination



Number	Size mm	L mm	g
3306032	39	430	1370
3306033	40	430	1370
3306034	41	430	1385
3306035	42	430	1370
3306036	43	450	1650
3306037	44	450	1650
3306038	45	480	1740
3306039	46	480	1697
3306040	47	480	1740
3306041	48	520	2000
3306042	49	520	2000
3306043	50	520	2285
3306044	51	520	2000
3306045	52	520	2000
3306046	53	560	2350

3306 Wrench, Combination



● Die Forged DIN3113

Number	Size mm	L mm	g
3306047	54	560	2350
3306048	55	560	2490
3306049	56	560	2350
3306050	57	560	2350
3306051	58	575	2700
3306052	59	575	2700
3306053	60	575	3026
3306054	61	575	2700
3306055	62	575	2700
3306056	63	595	2700
3306057	64	595	2700

3306 Wrench, Combination



Number	Size mm	L mm	g
3306058	65	595	3015
3306059	66	595	2700
3306060	67	595	2700
3306061	68	615	4300
3306062	69	615	4300
3306063	70	615	4969
3306064	71	615	4300
3306065	72	615	4200
3306066	73	630	4200
3306067	74	630	4200
3306068	75	630	4377
3306069	76	630	4200
3306070	77	630	4200
3306071	78	645	5450
3306072	79	645	5450
3306073	80	645	5767
3306074	81	645	5450
3306075	82	645	5200

3306 Wrench, Combination



● Die Forged DIN3113

Number	Size mm	L mm	⚖ g
3306076	83	660	5200
3306077	84	660	5200
3306078	85	660	5102
3306079	86	660	5200
3306080	87	660	5200
3306081	88	680	7100
3306082	89	680	7100
3306083	90	680	6815
3306084	91	680	6900
3306085	93	700	6900
3306086	94	700	6900
3306087	95	700	6395
3306088	96	700	6900

3306 Wrench, Combination



Number	Size mm	L mm	⚖ g
3306089	97	700	8400
3306090	98	725	8400
3306091	99	725	8400
3306092	100	725	8198
3306093	105	750	7992
3306094	107	750	8100
3306095	108	775	9800
3306096	110	775	10078
3306097	112	775	9800
3306098	114	800	9500
3306099	115	800	9924
3306100	117	800	9500
3306101	118	825	12100
3306102	120	825	12166
3306103	125	850	11914
3306104	128	850	13000

3306 Wrench, Combination



● Die Forged DIN3113

Number	Size mm	L mm	⚖ g
3306105	130	875	13000
3306106	133	900	13000
3306107	135	900	13000
3306108	140	925	15000
3306109	145	950	15000
3306110	150	975	18000
3306111	160	1000	25000
3306112	170	1025	30000
3306113	180	1050	35000
3306114	190	1075	39000
3306115	200	1100	38000

3306 Wrench, Combination, Inch



● Die Forged DIN3113

Number	Size inch	L mm	⚖ g
3306116	1/4	105	20
3306117	5/16	120	30
3306118	11/32	135	40
3306119	3/8	135	40
3306120	7/16	150	60
3306121	1/2	175	100
3306122	9/16	175	100
3306123	5/8	195	150
3306124	11/16	195	150
3306125	3/4	215	190
3306126	25/32	215	190
3306127	13/16	230	270
3306128	7/8	245	280
3306129	15/16	265	320
3306130	31/32	265	320

3306 Wrench, Combination, Inch



● Die Forged DIN3113

Number	Size inch	L mm	⚖ g
3306131	1	290	440
3306132	1-1/16	290	440
3306133	1-1/8	320	640
3306134	1-3/16	320	640
3306135	1-1/4	340	750
3306136	1-5/16	340	750
3306137	1-3/8	360	1000
3306138	1-7/16	360	1000
3306139	1-15/32	395	1040
3306140	1-1/2	395	1040
3306141	1-9/16	430	1370
3306142	1-5/8	430	1370
3306143	1-11/16	480	1740
3306144	1-3/4	480	1740
3306145	1-13/16	480	1740

3306 Wrench, Combination, Inch



Number	Size inch	L mm	⚖ g
3306146	1-7/8	520	2000
3306147	1-15/16	520	2000
3306148	2	520	2000
3306149	2-1/16	560	2350
3306150	2-1/8	560	2350
3306151	2-3/16	560	2350
3306152	2-1/4	595	2700
3306153	2-5/16	595	2700
3306154	2-3/8	595	2700
3306155	2-7/16	595	2700
3306156	2-1/2	595	2700
3306157	2-9/16	595	2700
3306158	2-5/8	595	2700
3306159	2-11/16	630	4300

3306 Wrench, Combination, Inch



● Die Forged DIN3113

Number	Size inch	L mm	△ g
3306160	2-3/4	630	4300
3306161	2-13/16	630	4300
3306162	2-7/8	630	4300
3306163	2-15/16	630	4300
3306164	3	630	4300
3306165	3-1/16	660	5450
3306166	3-1/8	660	5450
3306167	3-3/16	660	5450
3306168	3-1/4	660	5450
3306169	3-5/16	660	5450
3306170	3-3/8	660	5450
3306171	3-7/16	720	7100

3306 Wrench, Combination, Inch



Number	Size inch	L mm	△ g
3306172	3-1/2	720	7100
3306173	3-9/16	720	7100
3306174	3-5/8	720	7100
3306175	3-11/16	720	7100
3306176	3-3/4	720	7100
3306177	3-13/16	780	8400
3306178	3-7/8	780	8400
3306179	3-15/16	780	8400
3306180	4	780	8400
3306181	4-1/8	780	8400
3306182	4-3/16	780	8400
3306183	4-1/4	840	9800
3306184	4-5/16	840	9800
3306185	4-3/8	840	9800
3306186	4-7/16	840	9800
3306187	4-1/2	840	9800
3306188	4-9/16	840	9800

3306 Wrench, Combination, Inch



● Die Forged DIN3113

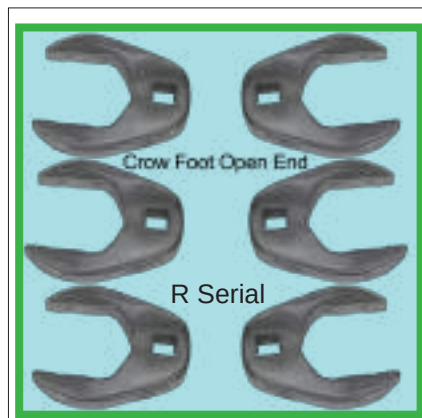
Number	Size inch	L mm	△ g
3306189	4-5/8	900	12100
3306190	4-3/4	900	12100
3306191	5	900	12100
3306192	5-1/4	900	12100
3306193	5-3/8	900	12100
3306194	5-1/2	900	15000
3306195	5-5/8	900	15000
3306196	6	900	18000
3306197	6-1/8	900	18000

3306 Wrench, Combination, Inch (WW)



● Die Forged DIN3113

Number	Size ww	L mm	△ g
3306198	7/8	395	1040
3306199	1	430	1370
3306200	1-1/8	480	1740
3306201	1-3/8	560	2350
3306202	1-1/2	595	2700
3306203	1-5/8	595	2700



3307 Wrench, Single Bent Box



● Die Forged

Number	Size mm	L mm	△ g
3307001	8	120	50
3307002	10	120	62
3307003	11	120	50
3307004	12	150	93
3307005	13	150	90
3307006	14	150	86
3307007	15	150	90
3307008	16	175	130
3307009	17	175	209
3307010	18	210	215
3307011	19	210	216

3307 Wrench, Single Bent Box



Number	Size mm	L mm	△ g
3307012	20	210	215
3307013	21	210	215
3307014	22	210	207
3307015	23	230	330
3307016	24	230	340
3307017	25	250	330
3307018	26	250	330
3307019	27	250	310
3307020	28	270	550
3307021	29	270	550
3307022	30	270	518
3307023	31	295	520
3307024	32	295	494
3307025	33	295	520
3307026	34	305	630
3307027	35	305	630

3307 Wrench, Single Bent Box



● Die Forged

Number	Size mm	L mm	g
3307028	36	305	643
3307029	37	325	780
3307030	38	325	780
3307031	39	325	780
3307032	40	345	780
3307033	41	345	860
3307034	42	345	1050
3307035	44	370	1050
3307036	45	370	1050
3307037	46	370	994
3307038	48	400	1480
3307039	50	400	1213
3307040	51	400	1480
3307041	52	400	1480

3307 Wrench, Single Bent Box



Number	Size mm	L mm	g
3307042	53	430	1600
3307043	54	430	1600
3307044	55	430	1758
3307045	58	450	2000
3307046	60	450	1883
3307047	63	470	2250
3307048	65	470	2401
3307049	67	470	2250
3307050	70	490	2778
3307051	71	490	2800
3307052	75	510	3380
3307053	77	510	3350
3307054	80	530	4145

3307 Wrench, Single Bent Box



● Die Forged

Number	Size mm	L mm	g
3307055	85	550	3600
3307056	90	570	5100
3307057	95	590	4900
3307058	96	590	4900
3307059	100	610	6100
3307060	105	630	6000
3307061	110	650	6960
3307062	115	670	6980
3307063	120	690	9660

3307 Wrench, Single Box Bent Handle



Number	Size mm	L mm	g
3307064	17	260	260
3307065	19	260	260
3307066	22	280	380
3307067	24	280	372
3307068	27	300	470
3307069	30	320	700
3307070	32	320	697
3307071	36	340	842
3307072	41	360	1200
3307073	42	360	1200
3307074	46	380	1438
3307075	50	410	1900
3307076	55	440	2432
3307077	60	460	3500
3307078	65	490	3570

3307 Wrench, Single Box with Bent Handle, Inch



Number	Size inch	L mm	g
3307079	1/2	151	90
3307080	5/8	174	130
3307081	11/16	174	130
3307082	3/4	207	215
3307083	13/16	207	215
3307084	7/8	207	215
3307085	15/16	250	330
3307086	1-1/16	250	330
3307087	1-1/8	295	550
3307088	1-5/16	295	520
3307089	1-7/16	340	780
3307090	1-1/2	340	780
3307091	1-11/16	340	780
3307092	1-13/16	370	1050
3307093	1-7/8	370	1050
3307094	1-15/16	400	1480
3307095	1-63/64	400	1480
3307096	2	400	1480
3307097	2-1/4	450	2000
3307098	2-3/16	450	2000
3307099	2-9/16	470	2250
3307100	2-3/4	490	2800
3307101	2-15/16	510	3350
3307102	3	510	3350
3307103	3-1/8	530	3600
3307104	3-1/2	550	5100
3307105	3-7/8	560	6100

3307 Wrench, Single Bent Box 18 Point



● Die Forged

Number	Size mm	L mm	g
3307106	27	250	320
3307107	40	307	490

3307 Wrench, Single Bent Box Long Type



● Die Forged

Number	Size mm	L mm	g
3307108	55	580	2500
3307109	65	625	3300
3307110	67	625	5150
3307111	68	645	5400
3307112	70	645	5000
3307113	75	675	4900

3307 Wrench, Single Bent Box 4 Point



● Die Forged

Number	Size mm	L mm	g
3307114	19	250	300
3307115	22	250	330
3307116	24	295	520

3307 Wrench, Single Bent Box 6 Point



● Die Forged

Number	Size mm	L mm	g
3307117	18	205	230
3307118	19	205	230
3307119	22	205	230
3307120	24	250	350

3308 Wrench, Single Box Offset



● Die Forged

Number	Size mm	L mm	g
3308001	13	145	100
3308002	18	170	150
3308003	19	170	160
3308004	20	170	160
3308005	22	190	195
3308006	23	215	220
3308007	24	215	226
3308008	26	230	280
3308009	27	230	292
3308010	30	255	474
3308011	32	265	483
3308012	34	295	650
3308013	36	295	693
3308014	38	330	800
3308015	41	330	797

3308 Wrench, Single Box Offset



Number	Size mm	L mm	g
3308016	42	330	800
3308017	45	365	1020
3308018	46	365	964
3308019	50	400	1382
3308020	51	400	1450
3308021	53	445	1680
3308022	55	445	1502
3308023	58	475	1980
3308024	60	475	2326
3308025	65	510	2334
3308026	70	545	3025
3308027	75	575	3359
3308028	80	600	3650
3308029	85	630	4926
3308030	90	665	5950
3308031	95	700	5950

3308 Wrench, Single Box Offset, Inch



● Die Forged

Number	Size inch	L mm	g
3308032	5/8	170	150
3308033	3/4	170	160
3308034	7/8	190	200
3308035	15/16	215	220
3308036	1	230	280
3308037	1-3/8	295	650
3308038	2-3/16	445	1680

3309 Wrench, Striking Box Bent



● Die Forged

Number	Size mm	L mm	g
3309001	18	140	250
3309002	19	140	250
3309003	20	140	250
3309004	21	155	250
3309005	22	155	262
3309006	23	155	260
3309007	24	165	253
3309008	25	165	260
3309009	26	175	350
3309010	27	175	357
3309011	28	175	350
3309012	29	190	500
3309013	30	190	498
3309014	31	190	500
3309015	32	190	492
3309016	34	210	650
3309017	35	210	650
3309018	36	210	641
3309019	38	225	850
3309020	40	225	850
3309021	41	225	748
3309022	42	225	850
3309023	43	240	850
3309024	44	240	1060
3309025	45	240	1060
3309026	46	240	1086
3309027	47	240	1060
3309028	48	255	1230

3309 Wrench, Striking Box Bent



● Die Forged

Number	Size mm	L mm	g
3309029	50	255	1230
3309030	51	255	1230
3309031	52	255	1230
3309032	54	270	1500
3309033	55	270	1485
3309034	56	270	1500
3309035	59	285	1850
3309036	60	285	2000
3309037	61	285	1850
3309038	62	285	1850
3309039	63	300	2300
3309040	65	300	2500
3309041	67	300	2500
3309042	70	315	2563
3309043	71	315	2500
3309044	72	315	2500

3309 Wrench, Striking Box Bent



Number	Size mm	L mm	g
3309045	75	330	3026
3309046	76	330	3000
3309047	77	330	3000
3309048	80	345	4140
3309049	82	345	4140
3309050	85	360	4140
3309051	87	360	4140
3309052	88	375	5600
3309053	90	375	5600
3309054	95	390	5600
3309055	100	405	6500
3309056	105	420	6500
3309057	108	435	9000
3309058	110	435	9000
3309059	115	450	9000
3309060	120	465	11000
3309061	125	480	11000
3309062	130	495	15000
3309063	135	510	15000
3309064	140	525	18000
3309065	145	540	18000
3309066	150	550	18500

3309 Wrench, Striking Box Bent, Inch



● Die Forged

Number	Size inch	L mm	g
3309067	1/2	140	120
3309068	9/16	140	150
3309069	5/8	140	150
3309070	13/16	140	250
3309071	7/8	140	263
3309072	15/16	160	254
3309073	1	175	340
3309074	1-1/16	175	350
3309075	1-1/8	190	517
3309076	1-3/16	190	500
3309077	1-1/4	190	527
3309078	1-5/16	190	500
3309079	1-3/8	210	650
3309080	1-13/32	210	650
3309081	1-7/16	210	622
3309082	1-1/2	225	897

3309 Wrench, Striking Box Bent, Inch



Number	Size inch	L mm	g
3309083	1-9/16	225	850
3309084	1-5/8	225	757
3309085	1-11/16	225	850
3309086	1-3/4	240	1094
3309087	1-13/16	240	1060
3309088	1-7/8	240	1060
3309089	1-15/16	255	1230
3309090	2	255	1167
3309091	2-1/16	270	1500
3309092	2-1/8	270	1526
3309093	2-3/16	270	1500
3309094	2-1/4	285	1850

3309 Wrench, Striking Box Bent, Inch



● Die Forged

Number	Size inch	L mm	g
3309095	2-3/8	285	1778
3309096	2-7/16	285	1850
3309097	2-1/2	300	2442
3309098	2-9/16	300	2300
3309099	2-5/8	300	2300
3309100	2-3/4	320	2529
3309101	2-15/16	330	3000
3309102	3	330	3133
3309103	3-1/8	350	4269
3309104	3-3/8	350	4140
3309105	3-1/2	390	5600
3309106	3-7/8	420	6500
3309107	4	420	6500
3309108	4-1/4	450	9000
3309109	4-5/8	480	11000
3309110	5-3/4	565	18000

3309 Wrench, Striking Box Bent



● Die Forged

Number	Size mm	L mm	g
3309111	27	160	222
3309112	30	160	209
3309113	32	175	318
3309114	41	210	520
3309115	46	225	742
3309116	50	240	977
3309117	55	255	872
3309118	75	300	2077

3309 Wrench, Striking Box Bent 6 Point



● Die Forged

Number	Size mm	L mm	g
3309119	19	140	220
3309120	24	165	230
3309121	27	175	350
3309122	30	190	490
3309123	32	190	490
3309124	36	210	590
3309125	40	225	770
3309126	41	225	770
3309127	42	225	770
3309128	45	240	930
3309129	46	240	930
3309130	48	255	1230
3309131	50	255	1230
3309132	51	255	1230
3309133	55	270	1500
3309134	58	285	1800
3309135	60	285	1800
3309136	63	300	2500
3309137	65	300	2600
3309138	67	300	3200
3309139	75	330	3500
3309140	80	345	3700
3309141	82	345	3700
3309142	85	360	4600

3310 Wrench, Striking Box (DIN7444)



● Die Forged DIN 7444

Number	Size mm	L mm	g
3310001	10	100	60
3310002	11	100	60
3310003	12	100	60
3310004	13	100	60
3310005	14	130	130
3310006	15	130	130
3310007	16	130	130
3310008	17	145	117
3310009	18	145	150

3310 Wrench, Striking Box (DIN7444)



● Die Forged DIN 7444

Number	Size mm	L mm	g
3310010	19	145	140
3310011	20	155	220
3310012	21	155	220
3310013	22	155	201
3310014	23	165	240
3310015	24	165	267
3310016	25	165	240
3310017	26	175	320
3310018	27	175	312
3310019	28	175	320
3310020	29	185	410
3310021	30	185	390
3310022	31	185	410
3310023	32	185	442
3310024	33	200	530

3310 Wrench, Striking Box (DIN7444)



Number	Size mm	L mm	g
3310025	34	200	530
3310026	35	205	560
3310027	36	205	569
3310028	37	215	660
3310029	38	215	660
3310030	39	215	660
3310031	40	225	720
3310032	41	225	706
3310033	42	225	720
3310034	43	235	940
3310035	44	235	940
3310036	45	235	940
3310037	46	235	962
3310038	47	235	940
3310039	48	250	1130
3310040	49	250	1130
3310041	50	250	1129
3310042	51	250	1130
3310043	52	250	1130

3310 Wrench, Striking Box (DIN7444)



● Die Forged DIN 7444

Number	Size mm	L mm	g
3310044	53	265	1360
3310045	54	265	1360
3310046	55	265	1264
3310047	56	275	1360
3310048	57	275	1360
3310049	58	275	1630
3310050	59	275	1630
3310051	60	275	1518
3310052	61	300	1630
3310053	62	300	1630
3310054	63	300	2100
3310055	64	300	2100
3310056	65	320	2057
3310057	66	320	2100
3310058	67	320	2350
3310059	68	320	2350
3310060	69	320	2350
3310061	70	320	2491
3310062	71	325	2350
3310063	72	325	2350
3310064	73	325	2750
3310065	74	326	2750
3310066	75	326	2734

3310 Wrench, Striking Box (DIN7444)



Number	Size mm	L mm	g
3310067	76	325	2750
3310068	77	325	2750
3310069	78	350	3200
3310070	79	350	3200
3310071	80	350	3191
3310072	81	350	3200
3310073	82	350	3200
3310074	83	355	3900
3310075	84	355	3900
3310076	85	355	3834

3310 Wrench, Striking Box



● Die Forged DIN 7444

Number	Size mm	L mm	g
3310077	86	355	3900
3310078	87	355	3900
3310079	88	380	4500
3310080	89	380	4500
3310081	90	380	4456
3310082	91	380	4500
3310083	92	380	4500
3310084	93	390	4700
3310085	94	390	4700
3310086	95	390	4700
3310087	96	390	4700
3310088	97	390	4700
3310089	98	410	6100
3310090	99	410	6100
3310091	100	410	5802
3310092	101	410	6100
3310093	102	410	6100
3310094	105	420	7400
3310095	106	420	7400

3310 Wrench, Striking Box



Number	Size mm	L mm	g
3310096	107	420	7400
3310097	108	440	7640
3310098	110	440	7334
3310099	112	440	7640
3310100	113	450	7800
3310101	115	450	7800
3310102	117	450	7800
3310103	118	480	10000
3310104	120	480	10000
3310105	122	480	10000
3310106	124	495	11000
3310107	125	495	11000
3310108	126	495	11000

3310 Wrench, Striking Box



● Die Forged DIN 7444

Number	Size mm	L mm	g
3310109	128	520	12500
3310110	130	520	11900
3310111	131	520	12500
3310112	132	520	12500
3310113	134	535	12800
3310114	135	535	12800
3310115	137	535	12800
3310116	138	550	12900
3310117	140	550	12280
3310118	142	550	12900
3310119	144	565	14800
3310120	145	565	14800
3310121	147	565	14800
3310122	148	575	15504
3310123	150	575	15504

3310 Wrench, Striking Box



Number	Size mm	L mm	g
3310124	155	585	19100
3310125	157	585	19100
3310126	160	595	18360
3310127	162	595	21860
3310128	165	610	22740
3310129	170	630	23850
3310130	172	630	23850
3310131	175	645	24670
3310132	178	660	27000
3310133	180	660	27000
3310134	185	670	29500
3310135	187	670	29500
3310136	190	685	31000
3310137	192	685	31000
3310138	195	695	33000
3310139	197	695	33000
3310140	200	710	35600

3310 Wrench, Striking Box With Hole



● Die Forged DIN 7444

Number	Size mm	L mm	g
3310141	17	145	204
3310142	19	145	204
3310143	22	155	235
3310144	24	165	255
3310145	27	175	337
3310146	30	185	449
3310147	32	185	459
3310148	36	205	561
3310149	41	225	724
3310150	46	235	918
3310151	50	250	1224
3310152	55	265	1387
3310153	60	275	1530
3310154	65	300	1938
3310155	70	320	2346

3310 Wrench, Striking Box With Hole



Number	Size mm	L mm	g
3310156	75	325	2907
3310157	80	350	3468
3310158	85	355	4182
3310159	90	380	5304
3310160	95	390	4700
3310161	100	410	6834
3310162	105	420	7400
3310163	110	440	8813
3310164	115	450	7800
3310165	120	480	10608
3310166	125	495	11000
3310167	130	520	12138
3310168	135	535	13800
3310169	140	550	12526
3310170	145	565	15800
3310171	150	575	13923
3310172	155	585	19100
3310173	160	595	16116

3310 Wrench, Striking Box With Hole, Inch



● Die Forged DIN 7444

Number	Size inch	L mm	g
3310174	7/8	155	199
3310175	15/16	165	262
3310176	1	165	313
3310177	1-1/8	185	425
3310178	1-1/4	185	378
3310179	1-7/16	205	542
3310180	1-1/2	215	645
3310181	1-5/8	225	711
3310182	1-3/4	235	961
3310183	2	250	1132
3310184	2-1/8	265	1234
3310185	2-3/8	274	1538
3310186	2-1/2	298	2184
3310187	2-3/4	320	2350
3310188	3	326	2619
3310189	3-1/8	350	3252
3310190	3-1/2	380	4785

3310 Wrench, Striking Box With Hole, Inch



Number	Size inch	L mm	g
3310191	4	410	5633
3310192	4-1/16	420	7400
3310193	4-1/8	420	7400
3310194	4-3/16	420	7400
3310195	4-1/4	440	7640
3310196	4-5/16	440	7640
3310197	4-3/8	440	7640
3310198	4-7/16	450	7800
3310199	4-1/2	450	7800
3310200	4-9/16	450	7800
3310201	4-5/8	480	10000
3310202	4-11/16	480	10000
3310203	4-3/4	480	10000
3310204	4-13/16	480	10000
3310205	4-7/8	495	11000
3310206	4-15/16	495	11000
3310207	5	520	12500
3310208	5-1/4	535	13800
3310209	5-7/8	575	17600

3310 Wrench, Striking Box self-retaining



● Die Forged

Number	Size mm	L mm	g
3310210	17	145	141
3310211	19	145	130
3310212	22	155	195
3310213	24	165	224
3310214	27	175	307
3310215	30	185	413
3310216	32	185	387
3310217	34	200	530
3310218	36	205	508
3310219	38	215	660
3310220	41	225	708
3310221	46	235	901
3310222	50	250	1050
3310223	55	265	1478
3310224	60	275	1441
3310225	65	298	1935
3310226	70	320	2207
3310227	75	325	2609

3310 Wrench, Striking 6 Leg



● Die Forged

Number	Size mm	L mm	g
3310228	M56	260	1452
3310229	M64	270	2060
3310230	M70	310	2850
3310231	M72	310	2907
3310232	M80	320	3213
3310233	M90	350	4692
3310234	M100	380	6324
3310235	M110	420	7628
3310236	M125	480	11220
3310237	M140	500	14280
3310238	M160	540	17500

3310 Wrench, Striking 6 Leg, Inch



● Die Forged

Number	Size inch	L mm	g
3310239	1-3/4	225	876
3310240	2	270	1781
3310241	2-1/2	300	2531
3310242	3	320	3210
3310243	3-1/2	350	4165

3310 Wrench, Striking Box, Inch



● Die Forged DIN 7444

Number	Size inch	L mm	g
3310244	1/2	100	60
3310245	9/16	130	130
3310246	5/8	130	130
3310247	11/16	145	150
3310248	3/4	145	150
3310249	13/16	155	220
3310250	7/8	155	199
3310251	15/16	165	262
3310252	1	165	313
3310253	1-1/16	175	320
3310254	1-1/8	185	425
3310255	1-3/16	185	410
3310256	1-1/4	185	378
3310257	1-9/32	185	410
3310258	1-5/16	200	530
3310259	1-3/8	205	560
3310260	1-7/16	205	542
3310261	1-1/2	215	645
3310262	1-9/16	225	720

3310 Wrench, Striking Box, Inch



● Die Forged DIN 7444

Number	Size inch	L mm	g
3310263	1-5/8	225	711
3310264	1-11/16	225	720
3310265	1-3/4	235	961
3310266	1-13/16	235	940
3310267	1-7/8	235	940
3310268	1-15/16	250	1130
3310269	2	250	1132
3310270	2-1/16	265	1360
3310271	2-1/8	265	1234
3310272	2-3/16	265	1360
3310273	2-1/4	274	1630
3310274	2-5/16	274	1630
3310275	2-7/16	274	1630
3310276	2-3/8	274	1538
3310277	2-1/2	298	2184
3310278	2-9/16	298	2100

3310 Wrench, Striking Box, Inch



Number	Size inch	L mm	g
3310279	2-5/8	298	2100
3310280	2-11/16	320	2350
3310281	2-3/4	320	2350
3310282	2-13/16	320	2350
3310283	2-7/8	326	2750
3310284	2-15/16	326	2750
3310285	3	326	2619
3310286	3-1/16	350	3200
3310287	3-1/8	350	3252
3310288	3-3/16	350	3390
3310289	3-1/4	355	3900
3310290	3-3/8	355	3900
3310291	3-7/16	380	4500
3310292	3-1/2	380	4785
3310293	3-9/16	380	4500
3310294	3-5/8	380	4500
3310295	3-11/16	390	4700
3310296	3-3/4	390	4700

3310 Wrench, Striking Box, Inch



● Die Forged DIN 7444

Number	Size inch	L mm	g
3310297	3-13/16	410	6100
3310298	3-7/8	410	6100
3310299	3-15/16	410	6100
3310300	4	410	5633
3310301	4-1/16	420	6018
3310302	4-1/8	420	6222
3310303	4-3/16	420	6936
3310304	4-1/4	440	7711
3310305	4-5/16	440	7640
3310306	4-3/8	440	7211
3310307	4-7/16	450	7762
3310308	4-1/2	450	7548
3310309	4-9/16	450	7385
3310310	4-5/8	480	10108
3310311	4-11/16	480	10343
3310312	4-3/4	480	9894
3310313	4-13/16	480	9761
3310314	4-7/8	495	9874
3310315	4-15/16	495	12750
3310316	5	495	13178

3310 Wrench, Striking Box, Inch



Number	Size inch	L mm	g
3310317	5-1/8	520	12500
3310318	5-3/16	520	12500
3310319	5-1/4	535	12434
3310320	5-5/16	535	13800
3310321	5-3/8	535	13800
3310322	5-7/16	550	14900
3310323	5-5/8	565	15800
3310324	5-3/4	565	15800
3310325	5-7/8	575	15677
3310326	6-1/8	585	19100
3310327	6-1/4	595	21860
3310328	6-1/2	610	22740

3310 Wrench, Striking Box, Inch (WW)



● Die Forged DIN 7444

Number	Size ww	L mm	g
3310329	9/16	175	326
3310330	5/8	175	296
3310331	11/16	185	408
3310332	3/4	200	520
3310333	13/16	205	551
3310334	7/8	215	612
3310335	15/16	225	653
3310336	1	225	673
3310337	1-1/8	235	867
3310338	1-1/4	250	1000
3310339	1-3/8	265	1295
3310340	1-1/2	274	1499
3310341	1-5/8	298	2030
3310342	1-3/4	320	2489
3310343	1-7/8	326	2560
3310344	2	350	3356
3310345	2-3/4	410	6232

3310 Wrench, Striking Box 6 Point



● Die Forged DIN 7444

Number	Size mm	L mm	g
3310346	16	130	130
3310347	17	145	143
3310348	18	145	143
3310349	19	145	133
3310350	20	155	220
3310351	21	155	220
3310352	22	155	194
3310353	24	165	255
3310354	25	165	316
3310355	26	175	320
3310356	27	175	326
3310357	30	185	418
3310358	32	185	439
3310359	33	200	439
3310360	34	200	581

3310 Wrench, Striking Box 6 Point



● Die Forged DIN 7444

Number	Size mm	L mm	⚖ g
3310361	35	205	592
3310362	36	205	602
3310363	38	215	745
3310364	40	225	673
3310365	41	225	724
3310366	42	225	673
3310367	43	235	816
3310368	44	235	867
3310369	45	235	989
3310370	46	235	918
3310371	47	235	940
3310372	48	250	1102
3310373	49	250	1102
3310374	50	250	1102
3310375	51	250	1130

3310 Wrench, Striking Box 6 Point



Number	Size mm	L mm	⚖ g
3310376	52	250	1112
3310377	55	265	1336
3310378	58	275	1693
3310379	60	275	1520
3310380	61	275	1630
3310381	63	300	2101
3310382	64	300	2122
3310383	65	300	1948
3310384	66	300	2100
3310385	67	320	2550
3310386	69	320	2350
3310387	70	320	2387
3310388	71	320	2350
3310389	75	325	2621
3310390	76	325	2591
3310391	77	325	2468
3310392	78	350	3611
3310393	80	350	3397
3310394	82	350	3200

3310 Wrench, Striking Box 6 Point



● Die Forged DIN 7444

Number	Size mm	L mm	⚖ g
3310395	85	355	3774
3310396	89	380	4500
3310397	90	380	4723
3310398	95	390	4814
3310399	96	390	6793
3310400	97	390	6579
3310401	98	410	6100
3310402	100	410	6100
3310403	105	420	6253
3310404	108	430	7640
3310405	115	445	7762
3310406	120	450	7780
3310407	125	475	9578
3310408	130	490	12500
3310409	135	495	12900
3310410	140	520	14900
3310411	145	535	16993
3310412	150	550	16045
3310413	170	580	23850

3310 Wrench, Striking Box 6 Point Inch



● Die Forged DIN 7444

Number	Size inch	L mm	⚖ g
3310414	5/16	100	60
3310415	3/8	100	60
3310416	5/8	130	122
3310417	11/16	145	173
3310418	3/4	145	143
3310419	13/16	155	214
3310420	7/8	155	220
3310421	15/16	165	240
3310422	1	165	240
3310423	1-1/16	175	326
3310424	1-1/8	185	410
3310425	1-3/16	185	398
3310426	1-1/4	185	410
3310427	1-5/16	200	408

3310 Wrench, Striking Box 6 Point Inch



● Die Forged DIN 7444

Number	Size inch	L mm	⚖ g
3310428	1-3/8	205	541
3310429	1-7/16	205	560
3310430	1-1/2	215	660
3310431	1-9/16	225	673
3310432	1-5/8	225	720
3310433	1-11/16	225	704
3310434	1-3/4	235	940
3310435	1-13/16	235	938
3310436	1-7/8	235	887
3310437	1-15/16	250	1102
3310438	2	250	1130
3310439	2-1/16	265	1357
3310440	2-1/8	265	1360
3310441	2-3/16	265	1265

3310 Wrench, Striking Box 6 Point Inch



Number	Size inch	L mm	⚖ g
3310442	2-1/4	274	1703
3310443	2-5/16	274	1540
3310444	2-3/8	274	1630
3310445	2-7/16	274	1530
3310446	2-1/2	298	2100
3310447	2-9/16	298	2009
3310448	2-5/8	298	1897
3310449	2-11/16	320	2468
3310450	2-3/4	320	2350
3310451	2-13/16	320	2305
3310452	2-7/8	326	2672
3310453	2-15/16	326	2938
3310454	3	326	2850
3310455	3-1/16	350	3200
3310456	3-3/16	350	3458
3310457	3-1/4	355	3784
3310458	3-5/16	355	3900
3310459	3-3/8	355	3703
3310460	3-7/16	380	4855

3310 Wrench, Striking Box 6 Point Inch



● Die Forged DIN 7444

Number	Size inch	L mm	g
3310461	3-1/2	380	4500
3310462	3-9/16	380	4906
3310463	3-5/8	380	4529
3310464	3-11/16	390	5192
3310465	3-3/4	390	4804
3310466	3-13/16	410	5916
3310467	3-7/8	410	5804
3310468	3-15/16	410	5763
3310469	4	410	6100
3310470	4-1/16	420	7400
3310471	4-3/16	420	7400
3310472	4-1/4	440	7640
3310473	4-5/16	440	7640
3310474	4-1/2	450	7800
3310475	4-9/16	450	7800
3310476	4-5/8	480	10000
3310477	4-3/4	480	10000
3310478	5	495	11000
3310479	5-1/8	520	12500
3310480	5-3/16	520	13362
3310481	5-5/16	535	11557
3310482	5-1/4	535	13800
3310483	5-1/2	550	14900
3310484	5-3/4	565	16779
3310485	6-7/8	645	24670

3310 Wrench, Striking Box, Double Square



● Die Forged DIN 7444

Number	Size mm	L mm	g
3310486	16	145	140
3310487	19	165	240
3310488	25	185	410

3310 Wrench, Striking Box, Double Square, Inch



● Die Forged DIN 7444

Number	Size inch	L mm	g
3310489	5/8	145	230
3310490	3/4	165	255
3310491	1	185	410
3310492	1-1/8	200	530
3310493	1-1/4	215	660
3310494	1-5/16	225	673
3310495	1-3/8	225	720
3310496	1-7/16	235	1336
3310497	1-3/4	265	1285
3310498	1-13/16	265	1010
3310499	2	274	1612

3310 Wrench, Striking Box 8 Point Inch



● Die Forged DIN 7444

Number	Size mm	L mm	g
3310500	46	235	940
3310501	50	250	1130
3310502	70	298	2100

3310 Wrench, Striking Box 4 Point Inch



● Die Forged DIN 7444

Number	Size inch	L mm	g
3310503	5/8	145	150
3310504	7/8	175	320
3310505	1	185	410
3310506	1-1/8	200	530
3310507	1-7/16	235	940
3310508	1-1/2	235	940
3310509	1-3/4	265	1360
3310510	1-7/8	274	1630

3311 Wrench, Single End Box



● Die Forged

Number	Size mm	L mm	g
3311001	5	110	40
3311002	7	110	40
3311003	9	120	45
3311004	10	120	45
3311005	11	130	60
3311006	12	130	60
3311007	13	145	70
3311008	14	145	70
3311009	15	155	80
3311010	17	155	80
3311011	18	170	110
3311012	19	170	110
3311013	20	190	120
3311014	21	190	120
3311015	22	190	147
3311016	24	215	225
3311017	25	215	190
3311018	26	230	240
3311019	27	230	250
3311020	30	255	339
3311021	32	265	412
3311022	34	295	500
3311023	35	295	500
3311024	36	295	544
3311025	38	330	750
3311026	40	330	750
3311027	41	330	743

3311 Wrench, Single End Box



Number	Size mm	L mm	g
3311028	42	330	750
3311029	44	365	950
3311030	46	365	834
3311031	47	365	950
3311032	48	385	1160
3311033	50	405	1232
3311034	52	405	1160
3311035	55	425	1219
3311036	56	425	1310
3311037	60	445	1632

3311 Wrench, Single End Box



● Die Forged

Number	Size mm	L mm	g
3311038	63	465	1900
3311039	65	465	2556
3311040	70	485	2295
3311041	72	485	2300
3311042	75	505	3000
3311043	80	525	4402
3311044	85	545	4336
3311045	90	565	5591
3311046	95	585	5680
3311047	100	605	6953
3311048	105	625	5680
3311049	110	645	6500
3311050	115	665	7000
3311051	120	685	7500

3311 Wrench, Single End Box, Inch



● Die Forged

Number	Size inch	L mm	g
3311052	1/4	110	40
3311053	3/8	120	45
3311054	7/16	130	60
3311055	9/16	145	70
3311056	5/8	155	80
3311057	11/16	155	80
3311058	3/4	170	110
3311059	13/16	190	120
3311060	7/8	190	120
3311061	15/16	215	190
3311062	1	230	240
3311063	1-1/16	230	240
3311064	1-1/8	255	370
3311065	1-3/16	255	370
3311066	1-1/4	265	400
3311067	1-5/16	265	400
3311068	1-3/8	295	500
3311069	1-7/16	295	500
3311070	1-1/2	330	750
3311071	1-9/16	330	750
3311072	1-11/16	330	750

3311 Wrench, Single End Box, Inch



● Die Forged

Number	Size inch	L mm	g
3311073	1-3/4	365	950
3311074	1-7/8	365	950
3311075	1-15/16	400	1160
3311076	2	400	1160
3311077	2-1/16	445	1310
3311078	2-3/16	445	1310
3311079	2-1/4	475	1600
3311080	2-5/16	475	1600
3311081	2-7/16	475	1600
3311082	2-1/2	510	1900
3311083	2-5/8	510	1900
3311084	2-11/16	555	2300
3311085	2-3/4	555	2300
3311086	2-13/16	555	2300
3311087	2-7/8	590	2900
3311088	2-15/16	590	2900
3311089	3	590	2900

3311 Wrench, Single End Box, 6 Point



● Die Forged

Number	Size mm	L mm	g
3311090	24	215	190
3311091	30	255	370
3311092	46	365	950
3311093	55	445	1310
3311094	60	475	1600
3311095	75	590	2900

3311 Wrench, Single End Box, 6 Point, Inch



● Die Forged

Number	Size inch	L mm	g
3311096	2-3/16	445	1310
3311097	2-15/16	590	2900

3312 Wrench, Construction



● Die Forged

Number	Size mm	L mm	g
3312001	10	230	140
3312002	11	250	150
3312003	12	250	150
3312004	13	270	160
3312005	14	270	143
3312006	15	290	190
3312007	16	290	190
3312008	17	290	196
3312009	18	310	250
3312010	19	310	236
3312011	20	310	250
3312012	21	330	300
3312013	22	330	312
3312014	23	370	390

3312 Wrench, Construction



Number	Size mm	L mm	g
3312015	24	350	390
3312016	25	350	390
3312017	26	370	425
3312018	27	370	494
3312019	28	370	425
3312020	29	390	630
3312021	30	390	744
3312022	31	390	630
3312023	32	390	703
3312024	33	390	630
3312025	34	410	825
3312026	35	410	825
3312027	36	410	914
3312028	37	410	825
3312029	38	430	1163
3312030	39	430	1070
3312031	40	430	1070
3312032	41	430	1107
3312033	42	430	1070
3312034	43	450	1450
3312035	44	450	1450

3312 Wrench, Construction



● Die Forged

Number	Size mm	L mm	g
3312036	45	450	1450
3312037	46	450	1411
3312038	47	450	1450
3312039	48	470	1780
3312040	49	470	1780
3312041	50	470	1622
3312042	51	470	1780
3312043	52	470	1780
3312044	53	490	2100
3312045	54	490	2100
3312046	55	490	1824
3312047	56	490	2100
3312048	57	490	2100
3312049	58	510	2500
3312050	60	510	2492
3312051	63	530	3200
3312052	65	530	3361
3312053	68	550	3200
3312054	69	550	3200
3312055	70	550	3385
3312056	71	550	3200
3312057	75	570	3404
3312058	77	570	3640
3312059	80	590	4483
3312060	85	610	4841
3312061	90	630	6845
3312062	95	650	6228
3312063	100	670	6987
3312064	105	690	6500
3312065	110	710	6800
3312066	115	730	6800

3312 Wrench, Construction



● Die Forged

Number	Size mm	L mm	g
3312067	14	300	263
3312068	17	340	417
3312069	18	340	401
3312070	19	340	408
3312071	22	355	610
3312072	24	355	609
3312073	27	370	555

3312 Wrench, Construction, Inch



● Die Forged

Number	Size inch	L mm	g
3312074	7/16	250	150
3312075	1/2	270	160
3312076	9/16	270	160
3312077	5/8	310	190
3312078	11/16	310	190
3312079	3/4	330	250
3312080	13/16	350	300
3312081	7/8	350	300
3312082	15/16	370	390
3312083	1	400	425
3312084	1-1/16	400	425
3312085	1-1/8	430	630
3312086	1-3/16	430	630
3312087	1-1/4	430	630
3312088	1-5/16	430	630
3312089	1-3/8	460	825
3312090	1-7/16	460	825

3312 Wrench, Construction, Inch



Number	Size inch	L mm	g
3312091	1-1/2	490	1070
3312092	1-9/16	490	1070
3312093	1-5/8	490	1070
3312094	1-11/16	490	1070
3312095	1-3/4	520	1450
3312096	1-13/16	520	1450
3312097	1-7/8	520	1450
3312098	1-15/16	540	1780
3312099	2	540	1780
3312100	2-1/16	560	2100
3312101	2-1/8	560	2100
3312102	2-3/16	560	2100
3312103	2-1/4	610	2500
3312104	2-5/16	610	2500
3312105	2-3/8	610	2500
3312106	2-7/16	610	2500
3312107	2-1/2	630	3200
3312108	2-9/16	630	3200
3312109	2-5/8	630	3200
3312110	2-11/16	630	3200
3312111	2-3/4	630	3200

3312 Wrench, Construction, Inch



● Die Forged

Number	Size inch	L mm	g
3312112	2-13/16	630	3200
3312113	2-7/8	665	3640
3312114	2-15/16	665	3640
3312115	3	665	3640
3312116	3-1/8	690	4800
3312117	3-5/32	690	4800
3312118	3-3/8	690	4800
3312119	3-1/2	710	5600
3312120	3-3/4	710	5600
3312121	3-7/8	730	6500
3312122	3-15/16	730	6500

3313 Wrench, Striking Convex Box



● Die Forged

Number	Size mm	L mm	g
3313001	17	140	300
3313002	18	140	300
3313003	19	140	300
3313004	22	165	320
3313005	24	165	320
3313006	25	165	320
3313007	27	175	374
3313008	30	185	560
3313009	32	185	518
3313010	33	185	500
3313011	34	210	700
3313012	35	210	700
3313013	36	210	722
3313014	38	225	900
3313015	41	225	879
3313016	42	225	900
3313017	43	225	900
3313018	44	245	1150
3313019	45	245	1150
3313020	46	245	1330
3313021	47	245	1150
3313022	48	255	1400

3313 Wrench, Striking Convex Box



● Die Forged

Number	Size inch	L mm	g
3313023	50	255	1374
3313024	51	255	1400
3313025	52	255	1400
3313026	53	265	1600
3313027	54	265	1600
3313028	55	265	1537
3313029	58	280	1800
3313030	60	280	1712
3313031	61	280	1800
3313032	63	300	2200
3313033	65	300	2221
3313034	66	300	2200
3313035	68	320	2520
3313036	70	320	2580
3313037	71	320	2520
3313038	72	320	2520

3313 Wrench, Striking Convex Box



Number	Size mm	L mm	g
3313039	73	325	2700
3313040	75	325	2742
3313041	77	325	2700
3313042	80	355	3500
3313043	85	370	3500
3313044	90	385	5273
3313045	95	400	5620
3313046	100	415	6691
3313047	105	430	7079
3313048	110	445	8925
3313049	115	460	9068
3313050	120	475	11954
3313051	125	490	11577
3313052	130	505	13178
3313053	135	520	12900
3313054	140	535	12900
3313055	145	550	12900
3313056	150	565	13600

3313 Wrench, Striking Convex Box, Inch



● Die Forged

Number	Size inch	L mm	g
3313057	3/4	140	300
3313058	7/8	165	320
3313059	15/16	165	320
3313060	1	175	350
3313061	1-1/16	175	350
3313062	1-1/8	185	500
3313063	1-3/16	185	500
3313064	1-1/4	185	500
3313065	1-3/8	210	700
3313066	1-1/2	227	900
3313067	1-5/8	227	900
3313068	1-11/16	227	900
3313069	1-3/4	245	1150
3313070	1-13/16	245	1150
3313071	1-7/8	245	1150
3313072	1-15/16	257	1400
3313073	2	257	1400
3313074	2-1/16	267	1600
3313075	2-1/8	267	1600
3313076	2-3/16	267	1600
3313077	2-1/4	278	1800
3313078	2-5/16	278	1800
3313079	2-3/8	278	1800
3313080	2-1/2	298	2200
3313081	2-5/8	298	2200
3313082	2-3/4	320	2520
3313083	3-1/16	355	3500
3313084	3-1/8	355	3500
3313085	3-7/8	410	6500
3313086	4-1/4	445	8700

3313 Wrench, Striking Convex Box, Inch 6Point



● Die Forged

Number	Size mm	L mm	g
3313087	22	165	320
3313088	24	165	320
3313089	27	175	350
3313090	30	185	500

3313 Wrench, Striking Convex Box, Inch 6Point



● Die Forged

Number	Size mm	L mm	g
3313091	32	185	500
3313092	36	200	700
3313093	41	215	900
3313094	46	230	1150
3313095	50	245	1400
3313096	55	260	1600
3313097	60	275	1800
3313098	65	290	2200
3313099	70	305	2520
3313100	75	320	2700
3313101	80	335	3500
3313102	85	350	3500

3313 Wrench, Striking Convex Box



● Die Forged

Number	Size mm	L mm	H mm	g
3313103	36	210	70	840
3313104	41	225	70	1080
3313105	46	240	70	1380
3313106	50	255	70	1680
3313107	55	270	70	1920
3313108	60	285	70	2160
3313109	65	300	70	2640
3313110	70	315	70	3025
3313111	75	330	70	3240
3313112	80	345	70	4200
3313113	85	360	70	4300

Injection Wrench, Adjustable



3314 Wrench, Double Box Offset



● Die Forged DIN 838

Number	Size mm	L mm	g
3314001	10*12	215	80
3314002	10*13	215	80
3314003	12*14	225	150
3314004	13*14	225	150
3314005	13*16	225	150
3314006	13*17	225	150
3314007	14*15	225	150
3314008	14*16	250	150
3314009	14*17	250	150
3314010	15*16	250	150
3314011	15*17	250	150
3314012	15*18	250	150
3314013	16*17	280	200
3314014	16*18	280	200
3314015	17*18	280	200

3314 Wrench, Double Box Offset



Number	Size mm	L mm	g
3314016	17*19	280	220
3314017	17*21	300	240
3314018	18*19	300	240
3314019	18*20	300	240
3314020	18*21	300	240
3314021	18*22	310	240
3314022	19*21	310	240
3314023	19*22	310	285
3314024	20*22	310	240
3314025	19*24	320	359
3314026	20*23	320	350
3314027	21*22	320	350
3314028	21*23	320	402
3314029	21*24	320	350
3314030	22*24	330	372
3314031	21*26	340	470
3314032	23*26	340	470
3314033	24*26	340	470
3314034	24*27	340	473
3314035	24*30	350	520
3314036	25*28	350	520
3314037	26*27	350	520
3314038	26*28	350	520
3314039	26*29	350	520
3314040	26*32	350	520

3314 Wrench, Double Box Offset



● Die Forged DIN 838

Number	Size mm	L mm	g
3314041	27*28	360	520
3314042	27*29	360	520
3314043	27*30	360	515
3314044	27*31	360	520
3314045	27*32	370	610
3314046	29*32	370	610
3314047	30*32	370	642
3314048	30*34	430	940
3314049	30*36	430	940
3314050	32*34	430	940
3314051	32*35	440	940
3314052	32*36	440	855
3314053	33*35	440	940
3314054	33*36	450	940
3314055	34*36	450	940
3314056	35*41	450	1160
3314057	36*38	470	1160
3314058	36*40	470	1160
3314059	36*41	470	1208
3314060	36*42	470	1160
3314061	38*40	480	1160

3314 Wrench, Double Box Offset



Number	Size mm	L mm	g
3314062	38*42	480	1160
3314063	41*46	480	1563
3314064	42*45	500	1450
3314065	42*46	500	1450
3314066	41*50	525	1600
3314067	46*50	525	1789
3314068	48*50	525	1600
3314069	50*55	550	2163
3314070	52*62	575	2900
3314071	54*58	575	2900
3314072	55*60	575	2957
3314073	60*65	600	3196
3314074	65*70	625	4092
3314075	65*75	650	3800
3314076	70*75	665	4584
3314077	75*80	680	5016
3314078	80*85	700	5800
3314079	85*90	720	6410
3314080	90*95	740	7010
3314081	95*100	760	7660

3314 Wrench, Double Box Offset Inch



● Die Forged DIN 838

Number	Size inch	L mm	g
3314082	1/4*5/16	180	40
3314083	5/16*3/8	200	50
3314084	3/8*13/32	200	90
3314085	3/8*7/16	215	80
3314086	7/16*1/2	215	80
3314087	1/2*9/16	225	150
3314088	1/2*19/32	225	150
3314089	9/16*19/32	225	150
3314090	9/16*5/8	225	150
3314091	19/32*11/16	225	150
3314092	5/8*11/16	280	200
3314093	5/8*3/4	280	200
3314094	11/16*3/4	280	200
3314095	11/16*25/32	280	200
3314096	11/16*13/16	300	240

3314 Wrench, Double Box Offset Inch



Number	Size inch	L mm	g
3314097	3/4*25/32	300	240
3314098	3/4*13/16	300	240
3314099	3/4*7/8	300	240
3314100	25/32*13/16	300	240
3314101	3/4*15/16	320	350
3314102	13/16*7/8	320	350
3314103	13/16*15/16	320	350
3314104	7/8*15/16	330	400
3314105	7/8*1	340	470
3314106	7/8*1-1/16	340	470
3314107	15/16*1	340	470
3314108	15/16*1-1/16	340	470
3314109	15/16*1-1/8	350	520
3314110	1*1-1/16	350	520
3314111	1-1/16*1-1/8	350	520
3314112	1-1/16*1-1/4	370	610
3314113	1-1/8*1-3/16	370	610
3314114	1-1/8*1-1/4	370	610
3314115	1-1/8*1-5/16	370	610
3314116	1-3/16*1-1/4	370	610
3314117	1-1/8*1-1/2	430	940
3314118	1-1/4*1-5/16	430	940
3314119	1-1/4*1-3/8	430	940

3314 Wrench, Double Box Offset Inch



● Die Forged DIN 838

Number	Size inch	L mm	g
3314120	1-1/4*1-7/16	430	940
3314121	1-1/4*1-1/2	430	940
3314122	1-3/16*1-5/16	430	940
3314123	1-5/16*1-3/8	430	940
3314124	1-5/16*1-1/2	430	940
3314125	1-3/8*1-7/16	470	1160
3314126	1-3/8*1-1/2	470	1160
3314127	1-7/16*1-1/2	470	1160
3314128	1-7/16*1-5/8	470	1160
3314129	1-7/16*1-11/16	470	1160
3314130	1-1/2*1-9/16	470	1160
3314131	1-1/2*1-5/8	470	1160
3314132	1-5/8*1-11/16	500	1450
3314133	1-5/8*1-3/4	500	1450
3314134	1-5/8*1-13/16	500	1450
3314135	1-11/16*1-7/8	525	1600
3314136	1-3/4*2	525	1600
3314137	1-13/16*1-15/16	525	1600
3314138	1-13/16*2	525	1600
3314139	1-7/8*2	525	1600
3314140	2*2-3/16	550	2200
3314141	2*2-3/8	575	2900
3314142	2-1/8*2-1/4	575	2900
3314143	2-3/16*2-3/8	575	2900
3314144	2-3/8*2-3/4	625	3700

3315 Wrench, Double Flat Box



● Die Forged DIN 837

Number	Size mm	L mm	g
3315001	8*10	130	40
3315002	10*11	130	50
3315003	10*12	130	50
3315004	10*13	145	50
3315005	12*14	145	70
3315006	13*15	160	80
3315007	14*17	160	90
3315008	16*18	180	110
3315009	17*19	180	131
3315010	19*22	200	174

3315 Wrench, Double Flat Box



● Die Forged DIN 837

Number	Size mm	L mm	g
3315011	20*22	200	170
3315012	21*23	200	225
3315013	21*26	220	225
3315014	22*24	220	212
3315015	24*26	250	300
3315016	24*27	250	334
3315017	24*30	270	326
3315018	25*28	270	377
3315019	27*29	280	400
3315020	27*30	280	381
3315021	30*32	295	459
3315022	30*34	310	519
3315023	32*36	330	614
3315024	34*36	345	797
3315025	36*41	360	871
3315026	36*38	360	880
3315027	38*42	360	880
3315028	41*46	380	1100
3315029	46*50	400	1350
3315030	55*60	430	2030

3315 Wrench, Double Flat Box Inch



● Die Forged DIN 837

Number	Size inch	L mm	g
3315031	11/16*13/16	200	170
3315032	1*1-1/8	265	360
3315033	1-1/16*1-1/8	280	400
3315034	1-5/8*1-13/16	405	1100
3315035	1-13/16*2	425	1350

Injection Phillips Screwdriver



3316 Ring Wrench for Extension



● Die Forged

Number	Size mm	L mm	g
3316001	17	180	450
3316002	19	180	450
3316003	21	180	450
3316004	22	180	450
3316005	23	180	450
3316006	24	180	442
3316007	26	190	500
3316008	27	190	483
3316009	28	190	500
3316010	29	200	550
3316011	30	200	541
3316012	31	215	750
3316013	32	215	758
3316014	33	215	750
3316015	34	230	850
3316016	35	230	850
3316017	36	230	890
3316018	38	245	1000
3316019	41	245	1021
3316020	42	245	1000
3316021	44	260	1400
3316022	46	260	1366
3316023	47	260	1400
3316024	48	275	1500
3316025	50	275	1550

3316 Ring Wrench for Extension



Number	Size inch	L mm	g
3316026	51	275	1500
3316027	52	290	1750
3316028	55	290	1786
3316029	56	290	1750
3316030	57	290	1750
3316031	60	305	2870
3316032	65	320	3103
3316033	70	335	3535
3316034	75	350	3967
3316035	80	365	4624
3316036	85	380	4000
3316037	90	395	5500
3316038	95	410	5500
3316039	100	425	6100
3316040	105	435	6100
3316041	106	445	6100
3316042	110	455	6900
3316043	120	465	8200

3316 Extension Bar



Number	Size mm	L mm	L mm	g
3316044	19	460	24-30	749
3316045	22	610	32-41	1141
3316046	25	760	46-55	1952
3316047	30	860	60-80	2926

3316 Ring Wrench for Extension, Inch



● Die Forged

Number	Size inch	L mm	g
3316048	7/8	180	450
3316049	15/16	180	450
3316050	1	190	500
3316051	1-1/16	200	550
3316052	1-1/8	200	550
3316053	1-1/4	235	750
3316054	1-5/16	245	850
3316055	1-3/8	245	850
3316056	1-7/16	245	850
3316057	1-1/2	265	1000
3316058	1-9/16	265	1000
3316059	1-5/8	265	1000
3316060	1-11/16	280	1400
3316061	1-3/4	280	1400
3316062	1-13/16	280	1400
3316063	1-7/8	290	1500
3316064	2	290	1500
3316065	2-1/16	300	1750
3316066	2-1/4	300	1750
3316067	2-3/8	345	2800
3316068	2-1/2	345	2800
3316069	2-9/16	355	3200
3316070	2-3/4	365	3300
3316071	3	375	3700

3316 Extension Pipe



Number	Size(Φ) mm	L mm	g
3316072	24	1000	1550
3316073	25	300	480
3316074	25	460	740
3316075	25	605	960
3316076	25	700	1110
3316077	25	900	1370
3316078	28	300	550
3316079	28	400	740
3316080	28	500	900
3316081	28	610	1080
3316082	28	800	1450
3316083	28	900	1640
3316084	28	1000	1770
3316085	28	2000	3550
3316086	32	400	960
3316087	32	500	1770
3316088	32	760	1820
3316089	32	800	1920
3316090	32	900	2150
3316091	38	360	1210
3316092	38	400	1320
3316093	38	500	1670
3316094	38	700	2320
3316095	38	860	2830
3316096	40	800	2810
3316097	40	1000	3510

3317 Offset Slogging Box Wrench



● Die Forged

Number	Size mm	L mm	g
3317001	18	160	350
3317002	19	160	350
3317003	20	160	350
3317004	22	160	367

3317 Offset Slogging Box Wrench



● Die Forged

Number	Size mm	L mm	g
3317005	24	160	364
3317006	25	160	350
3317007	27	175	428
3317008	30	190	588
3317009	32	190	585
3317010	33	190	560
3317011	34	205	780
3317012	35	205	780
3317013	36	205	782
3317014	38	220	940
3317015	41	220	995
3317016	42	220	940

3317 Offset Slogging Box Wrench



Number	Size mm	L mm	g
3317017	44	235	1200
3317018	45	235	1200
3317019	46	235	1186
3317020	47	235	1200
3317021	48	250	1550
3317022	49	250	1550
3317023	50	250	1492
3317024	51	250	1550
3317025	52	250	1550
3317026	55	265	1996
3317027	56	265	1900
3317028	57	265	1900
3317029	58	280	2200
3317030	60	280	2179
3317031	62	280	2200
3317032	63	295	2600
3317033	65	295	2594
3317034	70	310	3325

3317 Offset Slogging Box Wrench



● Die Forged

Number	Size mm	L mm	g
3317035	72	310	3200
3317036	75	325	4214
3317037	76	325	4150
3317038	77	325	4150
3317039	79	340	4750
3317040	80	340	4946
3317041	85	355	4529
3317042	90	370	6586
3317043	95	385	6528
3317044	100	400	8160
3317045	105	415	7750
3317046	110	430	8707
3317047	115	445	8384
3317048	118	460	10500
3317049	120	460	11481
3317050	125	475	10500
3317051	127	475	10800
3317052	130	490	12033
3317053	135	505	12800
3317054	140	520	13117
3317055	145	535	17000
3317056	150	550	18074

3317 Offset Slogging Box Wrench



● Die Forged

Number	Size inch	L mm	g
3317057	11/16	160	350
3317058	3/4	160	350
3317059	7/8	160	350
3317060	15/16	160	350
3317061	1	160	350
3317062	1-1/16	180	450
3317063	1-1/8	200	560
3317064	1-3/16	200	560

3317 Offset Slogging Box Wrench



● Die Forged

Number	Size inch	L mm	g
3317065	1-1/4	200	560
3317066	1-5/16	200	560
3317067	1-3/8	220	780
3317068	1-7/16	220	780
3317069	1-9/16	220	780
3317070	1-1/2	240	940
3317071	1-5/8	240	940
3317072	1-11/16	240	940
3317073	1-3/4	250	1200
3317074	1-13/16	250	1200
3317075	1-7/8	250	1200
3317076	1-15/16	270	1550
3317077	2	270	1550
3317078	2-1/16	270	1550
3317079	2-1/8	295	1900
3317080	2-3/16	295	1900
3317081	2-1/4	295	1900

3317 Offset Slogging Box Wrench



Number	Size inch	L mm	g
3317082	2-5/16	317	2200
3317083	2-3/8	317	2200
3317084	2-7/16	317	2200
3317085	2-1/2	330	2600
3317086	2-9/16	330	2600
3317087	2-5/8	330	2600
3317088	2-3/4	350	3200
3317089	2-7/8	370	4150
3317090	2-15/16	370	4150
3317091	3	370	4150
3317092	3-1/16	370	4150
3317093	3-1/8	385	4750
3317094	3-1/4	385	4750
3317095	3-3/8	385	4750
3317096	3-1/2	420	6500
3317097	3-3/4	420	6500

3318 Offset Slogging Box Wrench (American Type)



● Die Forged

Number	Size mm	L mm	g
3318001	15	220	550
3318002	16	220	550
3318003	17	220	550
3318004	18	220	550
3318005	19	220	550
3318006	20	240	900
3318007	21	235	900
3318008	22	235	916
3318009	23	235	900
3318010	24	235	848
3318011	25	235	900
3318012	26	250	1200
3318013	27	250	1235
3318014	28	250	1200
3318015	29	265	1400
3318016	30	265	1503
3318017	31	280	1500
3318018	32	280	1505
3318019	33	280	1500
3318020	34	295	1800
3318021	35	295	1800
3318022	36	295	1785
3318023	37	295	1800

3318 Offset Slogging Box Wrench (American Type)



Number	Size mm	L mm	g
3318024	38	295	2063
3318025	39	310	2000
3318026	40	310	2000
3318027	41	310	2096
3318028	42	310	2000
3318029	43	310	2000
3318030	44	325	2600
3318031	45	325	2600
3318032	46	325	2879
3318033	47	325	2600
3318034	48	325	3000
3318035	49	340	3000
3318036	50	340	3261

3318 Offset Slogging Box Wrench (American Type)



● Die Forged

Number	Size mm	L mm	g
3318037	51	340	3000
3318038	52	340	3000
3318039	53	355	3600
3318040	54	355	3600
3318041	55	355	3555
3318042	56	355	3600
3318043	57	355	3600
3318044	58	370	3900
3318045	59	370	3900
3318046	60	370	3865
3318047	61	370	3900
3318048	62	370	3900

3318 Offset Slogging Box Wrench (American Type)



Number	Size mm	L mm	g
3318049	63	385	4100
3318050	64	385	4100
3318051	65	385	4081
3318052	66	385	4100
3318053	67	385	5100
3318054	68	400	5100
3318055	69	400	5100
3318056	70	400	5063
3318057	71	400	5100
3318058	72	400	5100
3318059	73	415	5300
3318060	74	415	5300
3318061	75	415	5250
3318062	76	415	5300
3318063	77	415	5300
3318064	78	430	6500
3318065	79	430	6500
3318066	80	430	6890
3318067	81	430	6500
3318068	82	430	6500
3318069	83	445	6700
3318070	84	445	6700
3318071	85	445	6889

3318 Offset Slogging Box Wrench (American Type)



● Die Forged

Number	Size mm	L mm	g
3318072	86	445	6700
3318073	87	445	6700
3318074	88	460	8500
3318075	89	460	8500
3318076	90	460	8961
3318077	92	460	8500
3318078	93	475	8400
3318079	94	475	8400
3318080	95	475	8403
3318081	96	475	8400
3318082	98	490	10100
3318083	99	490	10100
3318084	100	490	10047
3318085	102	490	10100
3318086	104	505	9900
3318087	105	505	9575
3318088	107	505	9900
3318089	110	520	12342
3318090	113	535	12100
3318091	115	535	12342
3318092	120	550	15100
3318093	125	565	16014
3318094	130	580	16600
3318095	135	595	16993
3318096	140	610	21369
3318097	145	625	22134
3318098	150	640	29631

3318 Slogging Box Wrench (American Type)



● Die Forged

Number	Size mm	L mm	g
3318099	24	200	300
3318100	27	250	499
3318101	30	256	718
3318102	32	260	697
3318103	34	270	930
3318104	36	270	941

3318 Slogging Box Wrench (American Type)



● Die Forged

Number	Size mm	L mm	g
3318105	40	278	1170
3318106	41	278	1222
3318107	42	278	1170
3318108	45	287	1320
3318109	46	287	1416
3318110	50	296	1645
3318111	55	303	1770
3318112	57	303	1760
3318113	60	315	2202
3318114	65	322	2388
3318115	70	325	2532
3318116	75	338	2994
3318117	80	348	3363
3318118	85	355	3539
3318119	90	360	3871
3318120	95	365	4063
3318121	100	375	4302
3318122	105	385	4822
3318123	110	400	5396
3318124	115	415	6049
3318125	120	430	7087

3318 Slogging Box Wrench (American Type)



● Die Forged

Number	Size inch	L mm	g
3318126	3/4	200	300
3318127	1	250	470
3318128	1-1/16	250	470
3318129	1-1/8	256	640
3318130	1-1/4	260	670
3318131	1-5/16	260	670
3318132	1-3/8	270	930
3318133	1-7/16	270	930
3318134	1-1/2	278	1170
3318135	1-5/8	278	1170
3318136	1-11/16	287	1320

3318 Slogging Box Wrench (American Type)



● Die Forged

Number	Size inch	L mm	Weight g
3318137	1-3/4	287	1320
3318138	1-13/16	287	1320
3318139	1-7/8	287	1320
3318140	2	296	1520
3318141	2-1/16	303	1760
3318142	2-1/8	303	1760
3318143	2-3/16	303	1760
3318144	2-1/4	315	2110
3318145	2-5/16	315	2110
3318146	2-3/8	315	2110
3318147	2-1/2	322	2340
3318148	2-9/16	322	2340
3318149	2-5/8	325	2570
3318150	2-11/16	325	2570
3318151	2-3/4	325	2570
3318152	2-15/16	338	3080
3318153	3	338	3080
3318154	3-1/16	348	3250
3318155	3-1/8	348	3250
3318156	3-3/8	355	3470
3318157	3-1/2	360	3790
3318158	3-7/8	375	4270
3318159	4-1/4	400	5290

3318 Offset Slogging Box Wrench, Inch (American Type)



● Die Forged

Number	Size inch	L mm	Weight g
3318160	5/8	220	550
3318161	11/16	220	550
3318162	3/4	220	550
3318163	13/16	240	900
3318164	7/8	240	900
3318165	15/16	240	900
3318166	1	270	1200
3318167	1-1/16	270	1200
3318168	1-1/8	280	1400

3318 Offset Slogging Box Wrench, Inch (American Type)



● Die Forged

Number	Size inch	L mm	Weight g
3318169	1-3/16	280	1400
3318170	1-1/4	290	1500
3318171	1-5/16	290	1500
3318172	1-3/8	300	1800
3318173	1-7/16	300	1800
3318174	1-1/2	320	2000
3318175	1-9/16	320	2000
3318176	1-5/8	320	2000
3318177	1-11/16	320	2000
3318178	1-3/4	340	2600
3318179	1-13/16	340	2720
3318180	1-27/32	340	2720
3318181	1-7/8	340	2720
3318182	1-15/16	350	3000
3318183	2	350	3000

3318 Offset Slogging Box Wrench, Inch (American Type)



Number	Size inch	L mm	Weight g
3318184	2-1/16	350	3000
3318185	2-1/8	360	3600
3318186	2-3/16	360	3600
3318187	2-1/4	360	3600
3318188	2-5/16	375	3900
3318189	2-3/8	375	3900
3318190	2-7/16	375	3900
3318191	2-9/16	390	4100
3318192	2-1/2	390	4100
3318193	2-5/8	390	4100
3318194	2-11/16	400	5100
3318195	2-3/4	400	5100
3318196	2-13/16	400	5100
3318197	2-7/8	420	5300
3318198	2-15/16	420	5300

3318 Offset Slogging Box Wrench, Inch (American Type)



● Die Forged

Number	Size inch	L mm	Weight g
3318199	3	420	5300
3318200	3-1/16	440	6500
3318201	3-1/8	440	6500
3318202	3-3/16	440	6500
3318203	3-1/4	440	6500
3318204	3-5/16	460	6700
3318205	3-3/8	460	6700
3318206	3-7/16	460	6700
3318207	3-1/2	480	8500
3318208	3-9/16	480	8500
3318209	3-5/8	480	8500
3318210	3-11/16	480	8500
3318211	3-3/4	480	8500
3318212	3-13/16	480	8500
3318213	3-7/8	515	10100
3318214	3-15/16	515	10100
3318215	4	515	10100
3318216	4-1/16	515	10100
3318217	4-1/8	515	10100
3318218	4-3/16	515	10100

3318 Offset Slogging Box Wrench, Inch (American Type)



Number	Size inch	L mm	Weight g
3318219	4-1/4	550	12100
3318220	4-5/16	550	12100
3318221	4-3/8	550	12100
3318222	4-7/16	550	12100
3318223	4-1/2	550	12100
3318224	4-9/16	550	12100
3318225	4-5/8	585	15100
3318226	4-11/16	585	15100
3318227	4-3/4	585	15100

3318 Offset Slogging Box Wrench, Inch (American Type)



● Die Forged

Number	Size inch	L mm	g
3318228	4-13/16	585	15100
3318229	4-7/8	585	15100
3318230	4-15/16	585	15100
3318231	5	585	15100
3318232	5-1/8	620	16600
3318233	5-1/4	620	16600
3318234	5-3/8	620	16600
3318235	5-1/2	650	21000
3318236	5-5/8	650	21000
3318237	5-3/4	650	21000
3318238	6-1/8	680	29000

3318 Offset Slogging Box Wrench, 6 Point(American Type)



● Die Forged

Number	Size mm	L mm	g
3318239	17	220	550
3318240	18	220	550
3318241	19	220	550
3318242	21	240	900
3318243	22	240	900
3318244	24	240	900
3318245	25	240	900
3318246	30	280	1400
3318247	32	280	1500
3318248	34	300	1800
3318249	36	300	1800
3318250	41	320	2000
3318251	44	340	2600
3318252	46	340	2600
3318253	50	350	3000
3318254	55	360	3600
3318255	60	375	3900
3318256	65	390	4100
3318257	68	405	5100
3318258	85	460	6700

3318 Offset Slogging Box Wrench, Inch 6 Point (American Type)



● Die Forged

Number	Size inch	L mm	g
3318259	5/8	220	550
3318260	3/4	220	550
3318261	13/16	240	900
3318262	7/8	240	900
3318263	15/16	240	900
3318264	1	270	1200
3318265	1-1/16	270	1200
3318266	1-1/8	280	1400
3318267	1-3/16	280	1400
3318268	1-1/4	290	1500
3318269	1-5/16	290	1500
3318270	1-3/8	300	1800
3318271	1-7/16	300	1800
3318272	1-1/2	320	2000
3318273	1-9/16	320	2000
3318274	1-5/8	320	2000
3318275	1-11/16	320	2000

3318 Offset Slogging Box Wrench, Inch 6 Point (American Type)



Number	Size inch	L mm	g
3318276	1-3/4	340	2600
3318277	1-13/16	340	2600
3318278	1-7/8	340	2720
3318279	1-15/16	350	3000
3318280	2	350	3000
3318281	2-1/16	350	3000
3318282	2-1/8	360	3600
3318283	2-3/16	360	3600
3318284	2-1/4	360	3600
3318285	2-5/16	375	3900
3318286	2-3/8	375	3900
3318287	2-7/16	375	3900
3318288	2-1/2	390	4100
3318289	2-9/16	390	4100
3318290	2-5/8	390	4100
3318291	2-11/16	400	5100
3318292	2-3/4	400	5100
3318293	2-13/16	400	5100

3318 Offset Slogging Box Wrench, Inch 6 Point (American Type)



● Die Forged

Number	Size inch	L mm	g
3318294	2-7/8	420	5300
3318295	2-15/16	420	5300
3318296	3	420	5300
3318297	3-1/16	440	6500
3318298	3-1/8	440	6500
3318299	3-3/16	440	6500
3318300	3-1/4	440	6500
3318301	3-5/16	460	6700
3318302	3-3/8	460	6700
3318303	3-7/16	460	6700
3318304	3-1/2	480	8500
3318305	3-5/8	480	8500
3318306	3-11/16	480	8500
3318307	3-3/4	480	8500
3318308	3-13/16	480	8500
3318309	3-7/8	515	10100
3318310	4	515	10100
3318311	4-1/8	515	10100
3318312	4-3/16	515	10100
3318313	4-1/4	550	12100
3318314	4-5/16	550	12100
3318315	4-1/2	550	12100
3318316	4-5/8	585	15100
3318317	5-1/8	620	16600
3318318	5-3/8	620	16600
3318319	5-5/8	650	21000
3318320	5-7/8	680	29000

3318 Offset Slogging Box Wrench, Inch 6 Point (American Type)



● Die Forged

Number	Size inch	L mm	g
3318321	13/16	270	1223
3318322	7/8	270	1250
3318323	1-3/16	300	1907
3318324	1-1/4	320	2241
3318325	1-13/16	360	3906
3318326	2-1/4	400	5494

3318 Offset Slogging Box Wrench, Inch 4 Point (American Type)



● Die Forged

Number	Size inch	L mm	g
3318327	1-5/16	320	2160
3318328	1-7/16	340	2850
3318329	1-9/16	350	3250
3318330	1-5/8	350	3070
3318331	1-3/4	360	3720
3318332	2	390	3980
3318333	2-1/4	400	3480

3318 Slogging Box Wrench, Inch 6 Point (American Type)



● Die Forged

Number	Size mm	L mm	g
3318334	22	200	300
3318335	24	200	300
3318336	27	250	470
3318337	30	250	640
3318338	32	260	670
3318339	34	270	930
3318340	35	270	930
3318341	36	270	930
3318342	38	280	1170
3318343	41	280	1170
3318344	46	290	1320
3318345	50	300	1520
3318346	55	305	1760
3318347	60	315	2110
3318348	65	325	2340
3318349	70	330	2570
3318350	115	415	5610

3318 Slogging Box Wrench, Inch 6 Point (American Type)



● Die Forged

Number	Size inch	L mm	g
3318351	5/8	200	300
3318352	3/4	200	300
3318353	7/8	200	300
3318354	1	250	470
3318355	1-1/16	250	470
3318356	1-1/8	256	640
3318357	1-3/16	256	640
3318358	1-1/4	260	670
3318359	1-5/16	260	670
3318360	1-3/8	270	930
3318361	1-7/16	270	930
3318362	1-1/2	278	1170
3318363	1-9/16	278	1170
3318364	1-5/8	278	1170
3318365	1-11/16	287	1320
3318366	1-3/4	287	1320
3318367	1-13/16	287	1320
3318368	1-7/8	287	1320
3318369	1-15/16	296	1520
3318370	2	296	1520
3318371	2-1/16	303	1760

3318 Slogging Box Wrench, Inch 6 Point (American Type)



Number	Size inch	L mm	g
3318372	2-1/8	303	1760
3318373	2-3/16	303	1760
3318374	2-1/4	315	2110
3318375	2-5/16	315	2110
3318376	2-3/8	315	2110
3318377	2-7/16	315	2110
3318378	2-1/2	322	2340
3318379	2-9/16	322	2340
3318380	2-5/8	325	2570
3318381	2-11/16	325	2570
3318382	2-3/4	325	2570
3318383	2-13/16	325	2570
3318384	2-7/8	338	3080
3318385	2-15/16	338	3080
3318386	3	338	3080
3318387	3-1/16	348	3250
3318388	3-1/8	348	3250
3318389	3-1/4	355	3470
3318390	3-3/8	355	3470
3318391	3-1/2	360	3790
3318392	3-5/8	360	3790
3318393	3-3/4	365	4070
3318394	3-7/8	375	4270
3318395	4-1/8	385	4720
3318396	4-1/4	400	5290
3318397	4-1/2	415	5610

3318 Slogging Box Wrench, Inch 6 Point (American Type)



● Die Forged

Number	Size inch	L mm	g
3318398	4-5/8	430	6820
3318399	4-3/4	430	6820
3318400	4-7/8	430	6820

3319 Giant Adjustable Wrench



Number	Size mm	L mm	g
3319001	1-3/8-2-7/8	24	4461
3319002	2-3/4-4-3/4	36	15834

3319 Wrench, Single Box Convex



Number	Size mm	L mm	g
3319003	17	140	114
3319004	19	155	148
3319005	22	180	194
3319006	24	200	274
3319007	27	225	403
3319008	28	225	430
3319009	30	250	565
3319010	32	270	653
3319011	34	280	680
3319012	36	290	769
3319013	41	310	1042
3319014	46	330	1258
3319015	48	350	1370
3319016	50	350	2005
3319017	55	370	1889
3319018	58	390	1910
3319019	60	390	2224
3319020	65	410	2840
3319021	70	430	3121
3319022	75	450	3709
3319023	80	470	4000
3319024	85	490	4700
3319025	90	500	5735
3319026	95	510	6000
3319025	100	525	6700
3319026	105	525	7380

Ratchet Wrench, Heavy Duty



Patent No. : 2021306556303



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DIN1810
DIN3129

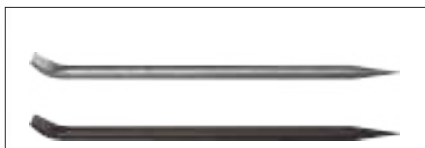
DIN1810
DIN3129 **J1** DIN1810
DIN3120

DIN1810
DIN3120



Bar \ Valve Handle \ Hex Key P247-P255
(26) 3320001-3331040

3320 Bar, Pinch



● Die Forged

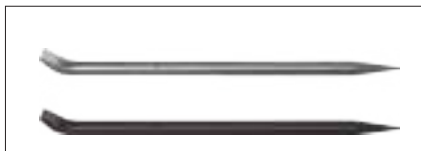
Number	Φ mm	B mm	L mm	⚖ g
3320001	10	11	500	290
3320002	14	15	600	670
3320003	14	15	800	920
3320004	15	16	300	380
3320005	15	16	400	510
3320006	15	16	500	730
3320007	16	17	300	432
3320008	16	17	350	450
3320009	16	17	400	592
3320010	16	17	450	650
3320011	16	17	500	750
3320012	16	17	600	890
3320013	16	17	800	1180
3320014	16	17	1000	1510

3320 Bar, Pinch



Number	Φ mm	B mm	L mm	⚖ g
3320015	17	18	500	770
3320016	18	19	400	730
3320017	18	19	450	820
3320018	18	19	500	959
3320019	18	19	600	1110
3320020	18	19	700	1300
3320021	18	19	750	1400
3320022	18	19	800	1490
3320023	18	19	1000	1800
3320024	19	20	600	1261
3320025	19	20	1500	3330
3320026	20	22	450	1000
3320027	20	22	500	1300
3320028	20	22	540	1180
3320029	20	22	600	1384
3320030	20	22	700	1465
3320031	20	22	800	1850
3320032	20	22	900	2070
3320033	20	22	1000	2360

3320 Bar, Pinch



● Die Forged

Number	Φ mm	B mm	L mm	⚖ g
3320034	20	22	1050	2410
3320035	21	23	300	700
3320036	22	24	600	1680
3320037	22	24	700	1978
3320038	22	24	800	2240
3320039	22	24	1000	2770
3320040	22	24	1200	3400
3320041	22	24	1500	4290
3320042	23	25	400	1100
3320043	23	25	1500	4200
3320044	24	26	800	2928
3320045	24	26	900	3290
3320046	24	26	1200	3800
3320047	25	27	500	1700
3320048	25	27	800	2870
3320049	25	27	900	3200
3320050	25	27	1000	3630
3320051	25	27	1200	4440
3320052	26	28	600	2260

3320 Bar, Pinch



Number	Φ mm	B mm	L mm	⚖ g
3320053	26	28	900	3359
3320054	26	28	1000	3732
3320055	26	28	1200	4800
3320056	26	28	1500	6040
3320057	27	29	500	2090
3320058	27	29	600	2590
3320059	28	30	800	3650
3320060	28	30	900	3950
3320061	28	30	1000	4998
3320062	28	30	1200	5440
3320063	28	30	1500	6960
3320064	30	32	1000	5243
3320065	30	32	1200	6500
3320066	30	32	1500	7780
3320067	32	34	1000	6000
3320068	32	34	1200	7169
3320069	32	34	1500	7500

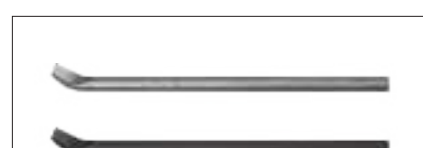
3320 Bar (Hex) Pinch



● Die Forged

Number	S mm	B mm	L mm	⚖ g
3320070	16	18	500	770
3320071	18	20	500	940
3320072	18	20	800	1670
3320073	22	24	1000	3040
3320074	24	26	600	2220
3320075	25	28	600	2210
3320076	25	28	800	3100
3320077	30	33	1000	5630
3320078	30	33	1200	6770
3320079	30	33	1400	8100
3320080	30	33	1500	8580

3320 Crowbar



● Die Forged

Number	Φ mm	B mm	L mm	⚖ g
3320081	10	12	400	250
3320082	10	12	500	300
3320083	14	16	300	350
3320084	15	17	350	470
3320085	15	17	400	530
3320086	15	17	500	690
3320087	16	18	300	440
3320088	16	18	400	600
3320089	16	18	500	730
3320090	16	18	700	1340
3320091	18	20	480	890
3320092	18	20	500	980
3320093	18	20	600	1160
3320094	18	20	700	1370
3320095	18	20	800	1550
3320096	18	20	1000	1960
3320097	20	22	500	1170
3320098	20	22	1000	2300

3320 Crowbar



● Die Forged

Number	Φ mm	B mm	L mm	Δ g
3320099	20	22	1050	2410
3320100	22	24	680	1950
3320101	22	24	700	1980
3320102	22	24	1000	2980
3320103	24	26	500	1720
3320104	24	26	800	2760
3320105	25	27	450	1670
3320106	25	27	500	1850
3320107	25	27	750	2900
3320108	25	27	800	2990
3320109	25	27	1000	3890
3320110	25	27	1200	4580
3320111	26	28	900	3730
3320112	28	30	800	3770
3320113	30	32	500	2730
3320114	30	32	600	3310
3320115	30	32	850	4680
3320116	30	32	1000	5560
3320117	30	32	1200	6600
3320118	30	32	1500	8100
3320119	32	34	1000	6410
3320120	32	34	1200	7400
3320121	36	38	1800	14150

3321 Wrench, Hook (DIN1810)



● Die Forged DIN1810

Number	Size mm	L mm	Δ g
3321001	16-20	108	40
3321002	25-28	136	60
3321003	30-32	136	60

3321 Wrench, Hook (DIN1810)



● Die Forged DIN1810

Number	Size mm	L mm	Δ g
3321004	34-36	170	96
3321005	40-42	170	100
3321006	45-50	206	132
3321007	52-55	206	156
3321008	58-62	242	245
3321009	68-75	242	221
3321010	80-90	280	394
3321011	95-100	280	410
3321012	110-115	334	740
3321013	110-130	334	750
3321014	120-130	334	680
3321015	135-145	383	1091
3321016	145-155	383	1100
3321017	155-165	383	1122
3321018	160-180	432	1800
3321019	175-180	432	1820
3321020	180-190	465	2040

3321 Wrench, Hook (DIN1810)



Number	Size mm	L mm	Δ g
3321021	205-220	465	2050
3321022	230-245	568	3500
3321023	250-260	568	3550
3321024	260-270	568	3600
3321025	270-280	638	5150
3321026	280-300	682	5200
3321027	290-310	690	5300
3321028	300-320	700	5600
3321029	320-330	700	5660
3321030	320-345	700	5700
3321031	350-375	740	6400
3321032	380-400	782	9000
3321033	480-500	1000	12650

3321 Hook Wrench, Adjustable



● Die Forged

Number	Size mm	L mm	Δ g
3321034	15-25	115	35
3321035	19-50	162	121
3321036	32-75	205	226
3321037	60-90	260	290
3321038	50-120	295	424
3321039	115-170	310	571
3321040	150-195	380	980
3321041	155-230	430	1190

3321 Hook Wrench With Pin



● Die Forged DIN1810

Number	Size mm	L mm	Δ g
3321042	12-14	116	22
3321043	16-18	116	22
3321044	20-22	125	22
3321045	25-28	139	46
3321046	30-32	136	51
3321047	34-36	171	90
3321048	40-42	171	87
3321049	45-50	207	153
3321050	52-55	207	158
3321051	58-62	243	250
3321052	68-75	243	238
3321053	80-90	281	336
3321054	95-100	281	385
3321055	100-110	333	681
3321056	110-115	333	700
3321057	120-130	333	730
3321058	135-145	385	1100
3321059	180-195	465	2000
3321060	205-220	465	2050
3321061	230-245	568	3300
3321062	260-270	568	3350

3321 Hook Wrench, Adjustable



Number	Size mm	L mm	g
3321063	20-42	162	99
3321064	45-90	250	418
3321065	95-165	310	614

3321 Hook Wrench With Pin, Adjustable



● Die Forged

Number	Size mm	d mm	L mm	g
3321066	20-35	2	150	90
3321067	20-35	2.5	150	97
3321068	22-35	3	150	87
3321069	22-35	4	150	90
3321070	35-60	4	170	135
3321071	35-60	5	170	136
3321072	32-75	3	205	210
3321073	32-75	5	205	210
3321074	60-90	4	250	340
3321075	60-90	5	250	358
3321076	60-90	5.5	250	355
3321077	60-90	6	250	340
3321078	60-90	8	250	340
3321079	50-120	5	288	450
3321080	50-120	7	288	450
3321081	50-120	8	288	450
3321082	50-120	9	288	450
3321083	115-170	7	310	550
3321084	115-170	8	310	550
3321085	155-165	8	465	1000

3321 Hook Wrench With Pin, Adjustable



● Die Forged

Number	Size inch	L mm	g
3321086	3/4--2	162	130
3321087	1-1/4--3	205	240
3321088	2--4-3/4	288	465
3321089	4-1/2--6-1/2	310	540

3321 Hook Wrench, Adjustable



Number	Size mm	L mm	g
3321090	18-40	150	101
3321091	40-80	220	322
3321092	80-125	295	668
3321093	125-200	405	1550

3321 Adjustable Wrench With Double Pin



Number	Size mm	L mm	g
3321094	11-60	160	155
3321095	14-100	215	350
3321096	22-125	260	450

3322 Valve Spanner



Number	Size mm	L mm	g
3322001	2-7	215	203
3322002	8-15	400	1197
3322003	16-20	490	1479
3322004	16-20	800	2145

3322 Valve Spanner



Number	K mm	D mm	L mm	g
3322005	1-3/8	1-1/2	21-3/8	1435

3322 Valve Spanner



Number	Size mm	L mm	g
3322006	12.5-18.8	240	139
3322007	25-80	285	260
3322008	50-150	325	523
3322009	125-250	420	920
3322010	250-400	555	1550
3322011	350-900	765	2128

3323 Chisel, Flat



Number	Φ mm	B mm	L mm	g
3323001	10	11	100	60
3323002	10	11	250	140
3323003	12	13	50	40
3323004	12	13	125	100
3323005	12	13	140	110
3323006	12	13	250	210
3323007	12	13	280	240
3323008	14	15	160	170
3323009	15	16	250	330
3323010	15	16	350	495
3323011	16	17	150	220
3323012	16	17	160	238
3323013	16	17	180	260

3323 Chisel, Flat



Number	Φ mm	B mm	L mm	g
3323014	16	17	350	500
3323015	17	18	180	338
3323016	18	19	120	200
3323017	18	19	150	250
3323018	18	19	175	310
3323019	18	19	180	357
3323020	18	19	200	370
3323021	18	19	250	470
3323022	18	19	300	560
3323023	19	20	150	260
3323024	19	20	160	324
3323025	20	22	160	356
3323026	19	22	180	405
3323027	20	22	200	450
3323028	20	22	250	550
3323029	20	22	300	690
3323030	22	24	150	330
3323031	22	24	180	505
3323032	22	24	300	810
3323033	24	25	250	625
3323034	24	26	180	629
3323035	24	26	195	620
3323036	24	26	200	710
3323037	24	26	300	1340

3323 Chisel, Flat



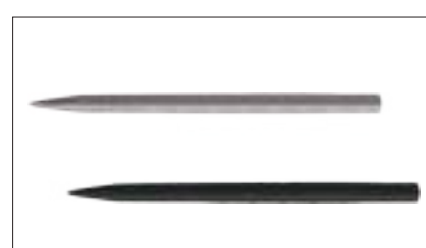
Number	Φ mm	B mm	L mm	g
3323038	25	27	180	570
3323039	25	27	200	700
3323040	25	27	210	740
3323041	25	27	250	906
3323042	25	27	270	960
3323043	25	27	300	1090
3323044	25	27	450	1660
3323045	25	27	500	1760
3323046	27	29	180	720
3323047	27	29	300	1102
3323048	28	30	180	770
3323049	28	30	300	1330
3323050	30	32	300	1551
3323051	30	32	400	2060
3323052	30	32	500	2630
3323053	33	35	500	3506
3323054	35	37	500	3707
3323055	40	42	250	2150

3323 Chisel, Flat, Inch



Number	Φ inch	B inch	L inch	g
3323056	1/4	1/4	4	20
3323057	3/8	3/8	5	45
3323058	1/2	1/2	6	120
3323059	3/4	3/4	7	390
3323060	1	1	9	790
3323061	1	1	18	1670

3324 Punch, Machinists'



Number	Φ mm	L mm	g
3324001	14	400	440
3324002	16	200	300
3324003	16	250	400
3324004	16	300	442
3324005	16	400	583
3324006	18	500	963
3324007	20	600	1392
3324008	22	600	1670
3324009	22	700	2020
3324010	24	800	3035
3324011	25	800	2980
3324012	26	900	3625
3324013	28	1000	4737
3324014	30	1000	5467
3324015	32	1200	7306

3324 Punch, Machinists



Number	Φ mm	Φ1 mm	L mm	g
3324016	8	18	160	240
3324017	9	18	200	260
3324018	10	22	200	480
3324019	10	26	200	650
3324020	11	22	200	390
3324021	12	24	180	480
3324022	12	30	280	1060
3324023	14	22	200	460
3324024	14	26	250	700
3324025	16	35	250	1520
3324026	36	45	300	3130

3325 Wrench, Hex Key



● Die Forged

Number	Size mm	L mm	g
3325001	12	130	140
3325002	13	140	150
3325003	14	150	190
3325004	15	156	230
3325005	16	162	240
3325006	17	168	330
3325007	18	173	370
3325008	19	177	430
3325009	20	180	490
3325010	21	184	560
3325011	22	187	629
3325012	23	189	710

3325 Wrench, Hex Key



Number	Size mm	L mm	g
3325013	24	192	784
3325014	25	200	870
3325015	26	206	980
3325016	27	213	1120
3325017	28	222	1230
3325018	29	244	1450
3325019	30	255	1640
3325020	32	286	2088
3325021	33	296	2310
3325022	34	307	2610
3325023	35	317	2680
3325024	36	328	3056

3325 Wrench, Hex Key



● Die Forged

Number	Size mm	L mm	g
3325025	37	328	3070
3325026	38	348	3674
3325027	39	348	3750
3325028	40	360	4250
3325029	41	380	4720
3325030	42	390	4810
3325031	43	390	5320
3325032	44	413	5990
3325033	45	413	6040
3325034	46	413	6201
3325035	48	413	6860
3325036	50	445	8060
3325037	54	455	10160
3325038	55	457	10240
3325039	56	457	10800
3325040	60	470	12729

3325 Wrench, Hex Key



Number	Size mm	L mm	g
3325041	65	482	13934
3325042	70	495	15273
3325043	75	502	18080
3325044	76	502	18100
3325045	80	514	21000
3325046	86	526	21320
3325047	95	555	24020

3325 Wrench, Hex Key, Inch



● Die Forged

Number	Size inch	L mm	g
3325048	1/16	59	10
3325049	5/64	59	10
3325050	1/8	59	10
3325051	9/64	62	10
3325052	5/32	65	10
3325053	3/16	79	20
3325054	7/32	82	20
3325055	1/4	85	60
3325056	5/16	105	60
3325057	3/8	110	70
3325058	7/16	119	100
3325059	1/2	140	150
3325060	9/16	150	190
3325061	19/32	156	230
3325062	5/8	162	240

3325 Wrench, Hex Key, Inch



Number	Size inch	L mm	g
3325063	21/32	168	330
3325064	11/16	168	330
3325065	23/32	173	370
3325066	3/4	177	430
3325067	13/16	184	560
3325068	27/32	187	650
3325069	7/8	187	650
3325070	15/16	192	770
3325071	31/32	200	870
3325072	1	200	890
3325073	1-1/16	213	1100
3325074	1-1/8	244	1450
3325075	1-3/16	254	1800
3325076	1-1/4	286	2100
3325077	1-5/16	296	2310

3325 Wrench, Hex Key, Inch



● Die Forged

Number	Size inch	L mm	g
3325078	1-3/8	317	2680
3325079	1-7/16	328	2990
3325080	1-1/2	348	3560
3325081	1-9/16	360	4250
3325082	1-5/8	380	4660
3325083	1-11/16	380	4700
3325084	1-3/4	412	5990
3325085	1-13/16	412	6080
3325086	1-7/8	412	6860
3325087	1-15/16	430	7590
3325088	2	445	7880
3325089	2-1/8	455	10160
3325090	2-3/16	457	10700

3325 Wrench, Hex Key, Long Type



● Die Forged

Number	Size mm	L mm	g
3325091	12	650	610
3325092	14	650	610
3325093	18	320	600
3325094	19	375	780
3325095	21	820	1960
3325096	22	240	790
3325097	22	480	1310
3325098	27	600	1290
3325099	30	440	2510

3325 Wrench, Hex Key, Long Type



● Die Forged

Number	Size mm	L mm	g
3325100	32	375	2560
3325101	32	600	3560
3325102	36	430	3512
3325103	36	600	4900
3325104	38	520	5000
3325105	41	570	6880
3325106	41	600	4670
3325107	41	1200	6870
3325108	46	600	5240
3325109	46	1200	7240
3325110	55	1200	9760

3325 Wrench, Hex Key, Long Type, Inch



● Die Forged

Number	Size inch	L mm	g
3325111	1-1/2	520	5250
3325112	1-5/8	575	6780
3325113	1-3/4	590	8790



3325 T Type Hex Key



● Die Forged

Number	Size mm	L mm	H mm	g
3325114	8	350	510	740
3325115	15	190	350	480
3325116	19	350	520	2500
3325117	20	200	350	1070
3325118	25	200	350	1340
3325119	27	200	350	1370
3325120	30	200	350	2140

3326 Valve Handle



Number	K mm	L mm	g
3326001	25	100	90
3326002	28	150	180
3326003	30	200	320
3326004	30	250	370
3326005	35	250	380
3326006	40	300	450
3326007	45	350	532
3326008	50	400	814
3326009	55	450	878
3326010	60	500	1261
3326011	65	550	1381
3326012	70	600	1498
3326013	75	650	1609
3326014	80	700	1721
3326015	85	750	2239
3326016	90	800	2385
3326017	93	850	2518
3326018	96	900	2715
3326019	100	950	2825
3326020	103	1000	4580
3326021	105	1100	4910
3326022	105	1200	5483

3326 Valve Handle



Number	Size mm	L mm	g
3326023	30	150	230
3326024	30	200	294
3326025	35	250	430
3326026	35	300	410
3326027	40	300	440
3326028	40	400	550
3326029	45	350	536
3326030	50	400	757
3326031	55	450	873
3326032	60	500	1193
3326033	65	550	1397
3326034	70	580	1320
3326035	70	600	1441
3326036	75	650	1922
3326037	80	700	2048
3326038	85	750	2183
3326039	90	800	2807
3326040	95	850	2930
3326041	100	950	3300
3326042	100	1500	4770

3327 Wrench, Double C



● Die Forged

Number	S1 mm	S2 mm	L mm	g
3327001	14.5	18.5	200	387
3327002	17.5	25.5	250	569
3327003	20	28	300	900
3327004	25.5	34	450	2271

3327 Wrench, Double C



● Die Forged

Number	S1 mm	S2 mm	L mm	g
3327005	10	12	100	70
3327006	10	15	150	250
3327007	10	16	200	380
3327008	12	15	200	390
3327009	15	20	220	420

3327 Wrench, Double C



● Die Forged

Number	S1 mm	S2 mm	L mm	g
3327010	18	25	250	600
3327011	23	30	300	830
3327012	35	40	350	1790
3327013	23	33	400	2270
3327014	40	45	400	2300
3327015	40	45	500	2760
3327016	45	50	600	3480

3328 Wrench, C



Number	K mm	L mm	g
3328001	15	150	120
3328002	20	250	150
3328003	30	200	200
3328004	30	250	320
3328005	30	300	420
3328006	35	350	540
3328007	40	400	830
3328008	40	450	916
3328009	40	500	1250
3328010	45	550	1300
3328011	45	600	1420

3329 Punch, Center



Number	Φ mm	L mm	g
3329001	22	700	1649
3329002	24	800	2834
3329003	26	900	3753
3329004	28	1000	4829
3329005	30	1000	5558
3329006	32	1200	7576

3330 Bar, Sliding



Number	Φ mm	L mm	g
3330001	21	400	1070

3331 Sliding T Handle



Number	Size inch	L mm	g
3331001	1/2	250	320
3331002	3/4	400	1401
3331003	1	400	1673
3331004	1-1/2	500	3350

3331 L Wrench



Number	Size inch	L mm	g
3331005	6	102	40
3331006	7	106	45
3331007	8	114	68
3331008	9	122	80
3331009	10	129	100
3331010	11	136	125
3331011	12	144	150
3331012	13	152	185
3331013	14	160	205
3331014	15	169	240
3331015	16	178	295
3331016	17	187	315
3331017	18	195	345
3331018	19	204	450
3331019	21	221	525
3331020	22	230	590
3331021	24	250	640
3331022	27	280	1030
3331023	30	310	1300
3331024	32	330	1570
3331025	34	350	1750
3331026	36	370	1835

3331 L Type Socket Wrench



Number	Size mm	L mm	g
3331027	24	286	730
3331028	26	294	780
3331029	30	302	950
3331030	30	535	1400
3331031	32	310	1000
3331032	34	320	1080
3331033	36	330	1180
3331034	36	530	1700
3331035	38	340	1300
3331036	41	350	1670
3331037	41	475	1800
3331038	46	360	2130
3331039	50	380	2760
3331040	55	380	3550

Socket & accessories P255-P270

(27) 3332001-3344005

3332 1" Dr Socket 12 Point



● Die Forged

Number	Size mm	L mm	g
3332001	8	45	250
3332002	10	45	250
3332003	13	45	250
3332004	14	55	310
3332005	17	55	370
3332006	19	55	370
3332007	22	55	370
3332008	23	55	370
3332009	24	55	385
3332010	25	55	370
3332011	26	55	370
3332012	27	55	389
3332013	28	55	380
3332014	30	60	443
3332015	32	60	483
3332016	33	60	460
3332017	34	60	500
3332018	36	65	532
3332019	38	65	592
3332020	39	65	590
3332021	40	65	590
3332022	41	70	656
3332023	45	75	800
3332024	46	75	762
3332025	47	75	820
3332026	48	75	820
3332027	49	75	830

3332 1" Dr Socket 12 Point



● Die Forged

Number	Size mm	L mm	g
3332028	50	75	870
3332029	52	75	910
3332030	54	80	1090
3332031	55	80	1049
3332032	57	80	1140
3332033	58	80	1250
3332034	60	85	1255
3332035	63	85	1610
3332036	65	90	1663
3332037	67	90	1900
3332038	70	90	1997
3332039	71	90	2160
3332040	72	90	2200
3332041	75	95	2609
3332042	77	95	2350
3332043	80	95	3060
3332044	85	100	3397
3332045	90	100	3560
3332046	95	100	3845
3332047	100	105	4417
3332048	105	105	4400
3332049	108	110	4670
3332050	110	120	5814
3332051	112	115	6130
3332052	115	115	6300
3332053	118	115	6520
3332054	120	120	6900
3332055	125	120	7200
3332056	130	130	8364
3332057	135	130	8731
3332058	140	135	9649
3332059	145	135	10850
3332060	150	135	11200

3332 1" Dr Socket 12 Point, Inch



● Die Forged

Number	Size inch	L mm	g
3332061	1	55	370
3332062	1-1/16	55	370
3332063	1-1/8	55	370
3332064	1-1/4	60	430
3332065	1-3/8	60	480
3332066	1-7/16	65	520
3332067	1-1/2	65	580

3332 1" Dr Socket 12 Point, Inch



● Die Forged

Number	Size inch	L mm	g
3332068	1-9/16	65	600
3332069	1-5/8	70	630
3332070	1-11/16	70	700
3332071	1-3/4	75	770
3332072	1-13/16	75	800
3332073	1-7/8	75	830
3332074	2	75	880
3332075	2-1/16	75	960
3332076	2-3/16	80	1090
3332077	2-1/4	80	1200
3332078	2-3/8	85	1370
3332079	2-1/2	90	1690
3332080	2-9/16	90	1810
3332081	2-5/8	90	1840
3332082	2-3/4	90	2080
3332083	2-15/16	95	2650
3332084	3	95	2700
3332085	3-1/8	95	3100
3332086	3-3/8	100	3200
3332087	3-1/2	100	3630
3332088	4-5/8	115	6300

3332 1" Dr Socket 6 Point



● Die Forged

Number	Size mm	L mm	g
3332089	19	55	380
3332090	21	55	380
3332091	25	55	380
3332092	27	55	380
3332093	28	55	380
3332094	29	55	380
3332095	30	60	450
3332096	31	60	450
3332097	32	60	483
3332098	33	60	460
3332099	34	60	500
3332100	35	65	560

3332 1" Dr Socket 6 Point



● Die Forged

Number	Size mm	L mm	g
3332101	36	65	560
3332102	38	65	560
3332103	41	70	720
3332104	44	75	850
3332105	46	75	850
3332106	48	75	850
3332107	50	75	850
3332108	52	75	850
3332109	54	80	1110
3332110	55	80	1110
3332111	58	80	1110
3332112	59	85	1450
3332113	60	85	1450
3332114	63	90	1450
3332115	65	90	2030
3332116	67	90	2030
3332117	70	90	2030
3332118	71	90	2030
3332119	75	95	2720
3332120	77	95	2720
3332121	80	95	2720
3332122	82	95	2720
3332123	85	100	3600
3332124	90	100	3600
3332125	95	100	3600
3332126	100	105	4400

3332 1" Dr Socket 6 Point, Inch



● Die Forged

Number	Size inch	L mm	g
3332127	7/8	55	370
3332128	1-1/16	55	370
3332129	1-1/8	55	370
3332130	1-5/16	60	430
3332131	1-7/16	65	520
3332132	1-9/16	65	610
3332133	1-13/16	75	820
3332134	1-7/8	75	860
3332135	2	75	960
3332136	2-1/8	75	1000
3332137	2-3/16	80	1100
3332138	2-1/4	80	1210
3332139	2-3/8	85	1400
3332140	2-1/2	90	1730
3332141	2-5/8	90	1900
3332142	2-3/4	90	2120
3332143	3	95	2800
3332144	3-1/8	95	3300
3332145	3-3/8	100	3700

3332 3/4" Dr Socket 12 Point



● Die Forged

Number	Size mm	L mm	g
3332146	17	50	220
3332147	18	50	220
3332148	19	50	230
3332149	20	55	260
3332150	21	55	260
3332151	22	55	260
3332152	23	55	290
3332153	24	55	297
3332154	26	55	310
3332155	27	55	307
3332156	28	55	310
3332157	29	55	320

3332 3/4" Dr Socket 12 Point



Number	Size mm	L mm	g
3332158	30	55	389
3332159	32	60	405
3332160	33	60	430
3332161	34	60	430
3332162	35	60	450
3332163	36	60	463
3332164	38	60	470
3332165	41	65	632
3332166	42	65	700
3332167	46	65	754
3332168	50	70	864
3332169	55	75	1000
3332170	58	75	1170
3332171	60	75	1230
3332172	65	80	1500
3332173	70	80	1900
3332174	75	85	2200
3332175	77	85	2330
3332176	80	90	2680
3332177	90	95	3080

3332 3/4" Dr Socket 12 Point, Inch



● Die Forged

Number	Size inch	L mm	g
3332178	13/16	55	250
3332179	7/8	55	260
3332180	15/16	55	280
3332181	1	55	310
3332182	1-1/8	55	320
3332183	1-1/4	60	400
3332184	1-5/16	60	420
3332185	1-7/16	60	490
3332186	1-9/16	60	580
3332187	1-5/8	65	600
3332188	1-11/16	65	730
3332189	1-3/4	65	740
3332190	1-13/16	65	760
3332191	2	70	930
3332192	2-1/16	70	930
3332193	2-1/8	75	1040
3332194	2-3/16	75	1080
3332195	2-1/4	75	1100
3332196	2-5/16	75	1160
3332197	2-3/8	75	1270
3332198	2-1/2	80	1580
3332199	3	80	1990

3332 3/4" Dr Socket 6 Point



● Die Forged

Number	Size mm	L mm	g
3332200	17	50	220
3332201	19	50	230
3332202	21	55	260
3332203	22	55	280
3332204	23	55	310
3332205	24	55	310
3332206	26	55	320
3332207	27	55	330
3332208	28	55	330
3332209	29	55	330
3332210	30	55	380
3332211	31	60	385
3332212	32	60	430
3332213	33	60	440
3332214	34	60	450
3332215	36	60	450
3332216	37	60	470
3332217	38	60	490

3332 3/4" Dr Socket 6 Point



● Die Forged

Number	Size mm	L mm	g
3332218	41	65	650
3332219	46	65	760
3332220	50	70	870
3332221	55	75	980
3332222	60	75	1280
3332223	65	80	1700
3332224	70	80	2190

3332 3/4" Dr Socket 6 Point, Inch



● Die Forged

Number	Size inch	L mm	g
3332225	3/4	50	230
3332226	7/8	55	260
3332227	15/16	55	280
3332228	1-1/16	55	300
3332229	1-1/8	55	320
3332230	1-1/4	60	400
3332231	1-3/8	60	440
3332232	1-7/16	60	490
3332233	1-1/2	60	560
3332234	1-5/8	65	600
3332235	1-21/32	65	610
3332236	1-3/4	65	740
3332237	1-7/8	65	790
3332238	2	70	930
3332239	2-3/16	75	1120
3332240	2-7/16	75	1300



3332 1-1/2" Dr Socket 6 Point, Inch



● Die Forged

Number	Size inch	L mm	g
3332241	1-13/16	75	1400
3332242	2	75	1400
3332243	2-1/8	75	1500
3332244	2-1/4	75	1540
3332245	2-3/8	80	1780
3332246	2-7/16	80	1900
3332247	2-9/16	85	2020
3332248	2-3/4	85	2200
3332249	2-7/8	85	2220
3332250	2-15/16	85	2360
3332251	3	85	2420
3332252	3-3/8	90	2780
3332253	3-5/8	100	3600

3332 1-1/2" Dr Socket 6 Point



● Die Forged

Number	Size mm	L mm	g
3332254	27	70	1250
3332255	28	70	1326
3332256	29	70	1326
3332257	30	70	1320
3332258	32	70	1330
3332259	33	70	1346
3332260	36	70	1350
3332261	38	70	1360
3332262	41	70	1370
3332263	43	70	1380
3332264	46	70	1390
3332265	50	75	1540
3332266	55	75	1540
3332267	60	80	1846
3332268	65	80	1846
3332269	70	85	2152
3332270	75	85	2152
3332271	80	95	2468
3332272	85	95	2468

3333 Driver Extension



● Die Forged

Number	Size inch	L mm	g
3333001	3/8	50	45
3333002	3/8	600	740
3333003	3/8	800	970
3333004	1/2	100	150
3333005	1/2	150	260
3333006	1/2	200	330
3333007	1/2	250	380
3333008	1/2	300	520
3333009	1/2	450	710
3333010	1/2	600	940
3333011	3/4	125	500
3333012	3/4	200	837
3333013	3/4	300	1190
3333014	3/4	400	1580
3333015	3/4	600	2340
3333016	3/4	900	3540
3333017	1	200	1459
3333018	1	250	1790
3333019	1	300	2180
3333020	1	400	2840

3334 Ratchet Wrench



● Die Forged

Number	Size inch	L mm	g
3334001	3/4	160	1680
3334002	1	180	2358
3334003	1-1/2	225	4684

3335 Ratchet Wrench



● Die Forged

Number	Size inch	L mm	 g
3335001	1/2	245	660
3335002	3/4	320	1581
3335003	1	550	3060
3335004	1-1/2	600	4814

3335 Lock Torque Wrench



● Die Forged

Number	C inch	Torque N.m	L mm	 g
3335005	1/4	5-25	265	800
3335006	3/8	5-60	295	920
3335007	1/2	10-110	385	1020
3335008	1/2	20-220	470	1200
3335009	1/2	50-350	570	1330
3335010	3/4	150-800	1085	4930
3335011	1	300-1500	1340	8500

3336 Impact Socket (1-1/2") 6 Point (DIN3129)



● Die Forged DIN3129

Number	Size mm	L mm	 g
3336001	17	75	1850
3336002	19	75	1850
3336003	22	75	1850
3336004	24	75	1850
3336005	27	75	1900
3336006	30	75	1900

3336 Impact Socket (1-1/2") 6 Point (DIN3129)



● Die Forged DIN3129

Number	Size mm	L mm	 g
3336007	32	75	1966
3336008	34	75	1950
3336009	35	80	2000
3336010	36	80	2029
3336011	37	80	2000
3336012	38	80	2000
3336013	39	80	2000
3336014	40	80	2050
3336015	41	80	2162
3336016	42	80	2050
3336017	46	85	2359
3336018	47	85	2300
3336019	48	85	2350
3336020	50	85	2332

3336 Impact Socket (1-1/2") 6 Point (DIN3129)



Number	Size mm	L mm	 g
3336021	54	90	2450
3336022	55	90	2643
3336023	56	90	2550
3336024	57	90	2600
3336025	58	90	2650
3336026	60	90	2783
3336027	63	95	2800
3336028	65	95	3032
3336029	70	95	3232
3336030	71	95	3200
3336031	75	100	3624
3336032	77	100	3650
3336033	78	100	3700
3336034	80	100	4791

3336 Impact Socket (1-1/2") 6 Point (DIN3129)



● Die Forged DIN3129

Number	Size mm	L mm	 g
3336035	85	110	4754
3336036	90	110	5168
3336037	93	110	5400
3336038	94	110	5500
3336039	95	110	5586
3336040	98	115	5900
3336041	100	115	6365
3336042	102	115	6000
3336043	105	115	6636
3336044	108	115	6800
3336045	110	115	8836
3336046	115	125	10521
3336047	120	125	10900
3336048	125	130	12365
3336049	130	135	13356
3336050	135	140	14976
3336051	140	140	15524
3336052	145	145	17116
3336053	150	150	18544

3336 Impact Socket (1-1/2") 6 Point Inch (DIN3129)



● Die Forged DIN3129

Number	Size inch	L mm	 g
3336054	1	75	1850
3336055	1-1/4	75	1850
3336056	1-5/16	75	1900
3336057	1-3/8	80	1950
3336058	1-7/16	80	1980
3336059	1-9/16	80	2000

3336 Impact Socket (1-1/2") 6 Point Inch (DIN3129)



● Die Forged DIN3129

Number	Size inch	L mm	g
3336060	1-5/8	80	2050
3336061	1-11/16	80	2100
3336062	1-3/4	85	2250
3336063	1-13/16	85	2300
3336064	1-7/8	85	2300
3336065	2	85	2350
3336066	2-1/16	85	2350
3336067	2-1/8	90	2400
3336068	2-3/16	90	2450
3336069	2-1/4	90	2500
3336070	2-5/16	90	2550
3336071	2-3/8	90	2600
3336072	2-1/2	95	2900
3336073	2-5/8	95	3000
3336074	2-15/16	100	3500
3336075	3	100	3600
3336076	3-5/16	110	4650
3336077	3-5/8	115	5000
3336078	4-1/8	115	6600
3336079	4-9/16	125	10500
3336080	4-5/8	125	10900
3336081	4-3/4	125	11100
3336082	5-1/4	140	14000
3336083	5-3/8	140	14500
3336084	5-3/4	145	16500
3336085	6-1/8	150	18800

3336 Impact Socket (1-1/2") 12 Point (DIN3129)



● Die Forged DIN3129

Number	Size mm	L mm	g
3336086	17	75	1850
3336087	19	75	1850
3336088	22	75	1850
3336089	24	75	1900

3336 Impact Socket (1-1/2") 12 Point (DIN3129)



● Die Forged DIN3129

Number	Size mm	L mm	g
3336090	27	75	1900
3336091	30	75	1900
3336092	32	75	1900
3336093	34	75	1950
3336094	35	80	2000
3336095	36	80	2050
3336096	37	80	2100
3336097	38	80	2100
3336098	39	80	2100
3336099	40	80	2100
3336100	41	80	2150
3336101	42	80	2150
3336102	45	85	2200
3336103	46	85	2250
3336104	47	85	2250
3336105	48	85	2350
3336106	50	85	2400
3336107	51	85	2400
3336108	52	85	2400

3336 Impact Socket (1-1/2") 12 Point (DIN3129)



Number	Size mm	L mm	g
3336109	54	90	2450
3336110	55	90	2450
3336111	56	90	2500
3336112	57	90	2600
3336113	58	90	2650
3336114	60	90	2650
3336115	63	95	2800
3336116	65	95	3050
3336117	70	95	3000
3336118	71	95	3140
3336119	75	100	3625
3336120	76	100	4500
3336121	77	100	3480
3336122	78	100	3620
3336123	80	100	3650

3336 Impact Socket (1-1/2") 12 Point (DIN3129)



● Die Forged DIN3129

Number	Size mm	L mm	g
3336124	85	110	4400
3336125	87	110	5000
3336126	90	110	4700
3336127	93	110	5300
3336128	94	110	5730
3336129	95	110	5500
3336130	96	110	5600
3336131	98	115	5750
3336132	100	115	5820
3336133	102	115	6290
3336134	105	115	6400
3336135	108	115	6810
3336136	110	115	8600
3336137	115	125	10000
3336138	120	125	11020
3336139	125	130	11970
3336140	130	135	12600
3336141	135	140	13900
3336142	140	140	15600
3336143	145	145	17900
3336144	150	150	19500

3336 Impact Socket (1-1/2") 12 Point Inch (DIN3129)



● Die Forged DIN3129

Number	Size inch	L mm	g
3336145	1	75	1850
3336146	1-1/4	75	1850
3336147	1-5/16	75	1900
3336148	1-3/8	80	1900
3336149	1-7/16	80	1950
3336150	1-1/2	80	2000
3336151	1-9/16	80	2000
3336152	1-5/8	80	2050

3336 Impact Socket (1-1/2") 12 Point Inch (DIN3129)



● Die Forged DIN3129

Number	Size inch	L mm	g
3336153	1-11/16	80	2050
3336154	1-3/4	85	2250
3336155	1-13/16	85	2300
3336156	1-7/8	85	2300
3336157	2	85	2300
3336158	2-1/16	85	2300
3336159	2-1/8	90	2400
3336160	2-3/16	90	2480
3336161	2-1/4	90	2500
3336162	2-5/16	90	2570
3336163	2-3/8	90	2600
3336164	2-7/16	90	2810
3336165	2-1/2	95	2940
3336166	2-9/16	95	2900

3336 Impact Socket (1-1/2") 12 Point Inch (DIN3129)



Number	Size inch	L mm	g
3336167	2-11/16	95	3000
3336168	2-5/8	95	3100
3336169	2-3/4	95	3240
3336170	2-7/8	95	3530
3336171	2-15/16	100	3530
3336172	3	100	3640
3336173	3-1/16	100	4000
3336174	3-1/8	100	4200
3336175	3-3/16	110	4100
3336176	3-1/4	110	4250
3336177	3-5/16	110	4440
3336178	3-3/8	110	4640

3336 Impact Socket (1-1/2") 12 Point Inch (DIN3129)



● Die Forged DIN3129

Number	Size inch	L mm	g
3336179	3-1/2	110	4900
3336180	3-9/16	110	5100
3336181	3-5/8	110	5160
3336182	3-7/8	115	6100
3336183	3-15/16	115	6500
3336184	4-1/8	115	6600
3336185	4-1/4	115	6870
3336186	4-1/2	125	10370
3336187	4-9/16	125	10400
3336188	4-5/8	125	10790
3336189	4-3/4	125	10900
3336190	5-1/4	140	14200
3336191	5-3/8	140	14600
3336192	5-3/4	145	16650
3336193	6-1/8	150	18870

3337 Impact Socket (1-1/2"Deep) 6 Point



● Die Forged DIN3129

Number	Size mm	L mm	g
3337001	30	110	2500
3337002	32	110	2560
3337003	36	110	2690
3337004	38	110	2710
3337005	41	115	3000
3337006	42	115	3040
3337007	46	115	3100
3337008	50	135	3550
3337009	52	140	3660
3337010	54	140	3900

3337 Impact Socket (1-1/2"Deep) 6 Point



● Die Forged DIN3129

Number	Size mm	L mm	g
3337011	55	140	3900
3337012	60	150	4670
3337013	65	150	4900
3337014	70	160	4484
3337015	75	170	6534
3337016	80	170	6930
3337017	85	170	7240
3337018	90	178	8420
3337019	95	184	9270
3337020	100	190	10649
3337021	105	197	11150
3337022	110	203	11432
3337023	115	203	17105
3337024	120	213	18829
3337025	125	213	20200
3337026	130	220	21350

3337 Impact Socket (1-1/2"Deep) 6 Point, Inch



● Die Forged DIN3129

Number	Size inch	L mm	g
3337027	1-1/2	110	2730
3337028	1-5/8	115	3060
3337029	1-11/16	115	3080
3337030	1-7/8	135	3610
3337031	2	135	3650
3337032	2-1/16	135	3650
3337033	2-1/4	150	4580

3337 Impact Socket (1-1/2"Deep) 6 Point, Inch



● Die Forged DIN3129

Number	Size inch	L mm	g
3337034	2-5/16	150	4600
3337035	2-3/8	150	4680
3337036	2-1/2	150	4770
3337037	2-5/8	150	5210
3337038	2-11/16	150	5360
3337039	2-3/4	160	5650
3337040	2-7/8	170	6410
3337041	2-15/16	170	6650
3337042	3	170	6750
3337043	3-1/8	170	6930
3337044	3-3/8	170	7410
3337045	3-1/2	178	8380
3337046	3-13/16	184	9780
3337047	3-7/8	190	11000
3337048	4	190	11550
3337049	4-1/4	203	16200
3337050	4-3/8	203	16330
3337051	4-5/8	213	19000
3337052	5	213	19420
3337053	5-3/8	220	24580
3337054	5-5/8	220	25540
3337055	5-3/4	230	26460

3337 Impact Socket (1-1/2"Deep) 12 Point



● Die Forged DIN3129

Number	Size mm	L mm	g
3337062	60	150	4670
3337063	65	150	4900
3337064	70	160	6000
3337065	75	170	6410
3337066	80	170	6720
3337067	85	170	7130
3337068	90	178	8330
3337069	95	184	8970
3337070	100	190	9650
3337071	105	197	11150
3337072	110	203	15600

3338 Impact Socket (1") 12 Point



● Die Forged DIN3129

Number	Size mm	L mm	g
3338001	17	55	510
3338002	19	55	510
3338003	20	55	510
3338004	21	55	510
3338005	22	55	510
3338006	24	55	510
3338007	25	55	525
3338008	27	60	690
3338009	28	60	690
3338010	29	60	720
3338011	30	60	755
3338012	32	60	781
3338013	33	60	760
3338014	34	60	770

3337 Impact Socket (1-1/2"Deep) 12 Point



● Die Forged DIN3129

Number	Size mm	L mm	g
3337056	32	110	2530
3337057	36	110	2670
3337058	41	115	2990
3337059	46	115	2990
3337060	50	135	3610
3337061	55	140	3900

3337 Impact Socket (1-1/2"Deep) 12 Point, Inch



● Die Forged DIN3129

Number	Size inch	L mm	g
3337073	1-7/16	110	2710
3337074	1-1/2	110	2710
3337075	1-11/16	115	3040
3337076	2-1/16	135	3650
3337077	2-3/8	150	4740
3337078	2-11/16	150	5660
3337079	2-13/16	165	5690
3337080	2-15/16	170	6350

3338 Impact Socket (1") 12 Point



Number	Size mm	L mm	g
3338015	35	60	770
3338016	36	60	819
3338017	38	65	867
3338018	40	65	840
3338019	41	65	886
3338020	42	70	1250
3338021	45	70	1250
3338022	46	70	1293
3338023	48	75	1400
3338024	50	75	1482
3338025	52	75	1500
3338026	55	75	1539
3338027	57	85	2000

3338 Impact Socket (1") 12 Point



● Die Forged DIN3129

Number	Size mm	L mm	g
3338028	60	85	2061
3338029	62	85	2000
3338030	65	85	2322
3338031	67	90	2300
3338032	70	90	2265
3338033	72	90	2300
3338034	75	90	2801
3338035	78	90	2360
3338036	80	90	2956
3338037	82	100	3400
3338038	85	100	3400
3338039	87	100	3750
3338040	90	100	3980
3338041	92	100	4100
3338042	95	100	4320
3338043	97	100	4450
3338044	100	100	4500
3338045	102	100	4500
3338046	105	110	5250

3338 Impact Socket (1") 12 Point



Number	Size mm	L mm	g
3338047	107	110	5250
3338048	110	110	6000
3338049	112	115	6800
3338050	115	115	7100
3338051	118	130	7600
3338052	120	130	7850
3338053	122	130	7920
3338054	125	130	8000
3338055	127	130	8450
3338056	130	130	8850
3338057	132	130	9150
3338058	135	130	9500
3338059	138	135	10500
3338060	140	135	11000
3338061	142	135	11500
3338062	145	135	12000
3338063	148	135	12500
3338064	150	135	13000

3338 Impact Socket (1") 12 Point Inch



● Die Forged DIN3129

Number	Size inch	L mm	g
3338065	3/4	55	530
3338066	15/16	55	535
3338067	1	55	540
3338068	1-1/16	55	560
3338069	1-1/8	60	710
3338070	1-3/16	60	710
3338071	1-1/4	60	750
3338072	1-5/16	60	750
3338073	1-7/16	60	750
3338074	1-9/16	65	850
3338075	1-5/8	65	870
3338076	1-13/16	70	1200
3338077	1-7/8	70	1320
3338078	2-1/16	75	1470
3338079	2-1/8	75	1500
3338080	2-1/4	75	1600
3338081	2-3/8	85	1900
3338082	2-1/2	85	1950
3338083	2-5/16	90	2570
3338084	3	90	2760
3338085	3-1/8	90	2950
3338086	3-7/8	100	4250

3338 Impact Socket (1") 6 Point



● Die Forged DIN3129

Number	Size mm	L mm	g
3338087	14	55	400
3338088	17	55	480
3338089	18	55	510
3338090	19	55	520
3338091	20	55	550
3338092	21	55	550
3338093	22	55	550
3338094	23	55	550
3338095	24	55	550
3338096	25	55	550
3338097	26	55	550

3338 Impact Socket (1") 6 Point



● Die Forged DIN3129

Number	Size mm	L mm	g
3338098	27	55	570
3338099	28	60	700
3338100	29	60	730
3338101	30	60	750
3338102	31	60	750
3338103	32	60	750
3338104	33	60	770
3338105	34	60	770
3338106	35	60	780
3338107	36	60	780
3338108	37	60	800
3338109	38	65	850
3338110	39	65	880
3338111	40	65	880

3338 Impact Socket (1") 6 Point



Number	Size mm	L mm	g
3338112	41	65	900
3338113	42	65	930
3338114	43	65	960
3338115	44	65	1110
3338116	45	70	1260
3338117	46	70	1260
3338118	47	70	1320
3338119	48	75	1380
3338120	49	75	1420
3338121	50	75	1450
3338122	51	75	1470
3338123	54	75	1500
3338124	55	75	1520
3338125	56	75	1600
3338126	57	75	1650
3338127	58	85	1940
3338128	60	85	2000
3338129	62	85	2200
3338130	63	85	2200

3338 Impact Socket (1") 6 Point



● Die Forged DIN3129

Number	Size mm	L mm	Weight g
3338131	64	85	2250
3338132	65	85	2250
3338133	66	85	2320
3338134	67	85	2350
3338135	68	90	2440
3338136	70	90	2500
3338137	71	90	2550
3338138	72	90	2600
3338139	73	90	2650
3338140	74	90	2670
3338141	75	90	2720
3338142	76	90	2760
3338143	79	90	2930
3338144	80	90	3000
3338145	81	90	3050
3338146	82	90	3080
3338147	83	100	3500

3338 Impact Socket (1") 6 Point



Number	Size mm	L mm	Weight g
3338148	85	100	3500
3338149	86	100	3700
3338150	87	100	3750
3338151	89	100	3950
3338152	90	100	3980
3338153	91	100	4000
3338154	92	100	4100
3338155	95	100	4280
3338156	96	100	4320
3338157	97	100	4450
3338158	99	100	4500
3338159	100	100	4500
3338160	102	100	4500
3338161	105	110	5250
3338162	110	110	6000
3338163	115	115	6800
3338164	120	130	7850

3338 Impact Socket (1") 6 Point



● Die Forged DIN3129

Number	Size mm	L mm	Weight g
3338165	125	130	8650
3338166	130	130	8850
3338167	135	135	10000
3338168	140	135	11500
3338169	145	145	12000
3338170	150	145	13000

3338 Impact Socket (1") 6 Point, Inch



● Die Forged DIN3129

Number	Size inch	L mm	Weight g
3338171	3/8	55	490
3338172	7/16	55	490
3338173	5/8	55	500
3338174	3/4	55	500
3338175	13/16	55	510
3338176	7/8	55	530
3338177	15/16	55	530
3338178	1	55	530
3338179	1-1/16	55	570
3338180	1-1/8	60	720
3338181	1-3/16	60	750
3338182	1-1/4	60	760
3338183	1-5/16	60	760
3338184	1-3/8	60	770
3338185	1-7/16	60	770
3338186	1-1/2	65	860
3338187	1-9/16	65	880
3338188	1-5/8	65	910
3338189	1-11/16	65	990
3338190	1-3/4	70	1250
3338191	1-13/16	70	1260
3338192	1-7/8	70	1310
3338193	1-15/16	75	1470
3338194	2	75	1480
3338195	2-1/16	75	1550

3338 Impact Socket (1") 6 Point, Inch



● Die Forged DIN3129

Number	Size inch	L mm	Weight g
3338196	2-1/8	75	1610
3338197	2-3/16	75	1650
3338198	2-1/4	75	1660
3338199	2-5/16	85	2100
3338200	2-3/8	85	2110
3338201	2-7/16	85	2170
3338202	2-1/2	85	2200
3338203	2-9/16	85	2240
3338204	2-5/8	85	2320
3338205	2-11/16	90	2450
3338206	2-3/4	90	2500
3338207	2-13/16	90	2550
3338208	2-7/8	90	2660
3338209	2-15/16	90	2750

3338 Impact Socket (1") 6 Point, Inch



Number	Size inch	L mm	Weight g
3338210	3	90	2880
3338211	3-1/16	90	2920
3338212	3-1/8	90	3070
3338213	3-3/16	90	3200
3338214	3-1/4	90	3400
3338215	3-5/16	100	3600
3338216	3-3/8	100	3690
3338217	3-7/16	100	3750
3338218	3-1/2	100	3770
3338219	3-5/8	100	3950
3338220	3-3/4	100	4140
3338221	3-13/16	100	4200
3338222	3-7/8	100	4380
3338223	4	100	4650
3338224	4-1/8	110	5120
3338225	4-1/4	110	5280
3338226	4-3/8	110	6020
3338227	4-1/2	115	6600
3338228	5-1/4	130	9200
3338229	5-5/8	135	9800

3338 Impact Socket (3/4") 12 Point



● Die Forged DIN3129

Number	Size mm	L mm	g
3338230	15	50	330
3338231	16	50	330
3338232	17	50	330
3338233	18	50	340
3338234	19	50	340
3338235	20	50	340
3338236	21	50	350
3338237	22	50	350
3338238	23	50	350
3338239	24	50	369
3338240	25	53	370
3338241	26	53	370
3338242	27	53	397
3338243	28	53	390
3338244	29	53	390
3338245	30	53	413

3338 Impact Socket (3/4") 12 Point



● Die Forged DIN3129

Number	Size mm	L mm	g
3338264	52	70	1025
3338265	53	70	1025
3338266	54	75	1280
3338267	55	75	1280
3338268	56	75	1280
3338269	57	75	1280
3338270	58	75	1280
3338271	59	75	1300
3338272	60	75	1300
3338273	61	75	1300
3338274	62	75	1300
3338275	63	75	1280
3338276	64	75	1280
3338277	65	80	1540
3338278	66	80	1540

3338 Impact Socket (3/4") 6 Point



● Die Forged DIN3129

Number	Size mm	L mm	g
3338297	13	50	320
3338298	14	50	320
3338299	16	50	330
3338300	17	50	330
3338301	18	50	330
3338302	19	50	340
3338303	20	50	340
3338304	21	50	350
3338305	22	50	350
3338306	23	50	350
3338307	24	50	360
3338308	25	50	360
3338309	26	53	370
3338310	27	53	390
3338311	28	53	390
3338312	29	53	400

3338 Impact Socket (3/4") 12 Point



Number	Size mm	L mm	g
3338246	31	56	430
3338247	32	56	480
3338248	33	56	460
3338249	34	56	460
3338250	35	56	460
3338251	36	56	508
3338252	37	56	490
3338253	38	56	500
3338254	40	58	600
3338255	41	58	680
3338256	42	60	680
3338257	43	60	680
3338258	44	60	690
3338259	45	60	700
3338260	46	60	709
3338261	47	70	1000
3338262	48	70	1000
3338263	50	70	1070

3338 Impact Socket (3/4") 12 Point



Number	Size mm	L mm	g
3338279	67	80	1540
3338280	68	80	1540
3338281	70	80	1540
3338282	72	80	1540
3338283	73	80	1540
3338284	74	80	1540
3338285	75	80	1800
3338286	76	85	2270
3338287	78	85	2270
3338288	80	85	2270
3338289	82	85	2380
3338290	85	85	2380
3338291	87	85	2380
3338292	90	90	2700
3338293	92	90	2950
3338294	95	90	3150
3338295	98	95	3800
3338296	100	95	4050

3338 Impact Socket (3/4") 6 Point



Number	Size mm	L mm	g
3338313	30	53	400
3338314	31	56	420
3338315	32	56	430
3338316	34	56	450
3338317	35	56	460
3338318	36	56	480
3338319	37	56	490
3338320	38	56	500
3338321	41	60	630
3338322	42	60	690
3338323	43	60	690
3338324	44	60	690
3338325	45	60	700
3338326	46	60	720

3338 Impact Socket (3/4") 6 Point



● Die Forged DIN3129

Number	Size mm	L mm	g
3338327	49	70	1010
3338328	50	70	1020
3338329	52	70	1120
3338330	55	75	1260
3338331	60	75	1350
3338332	64	75	1400
3338333	65	75	1420
3338334	70	80	1540
3338335	75	80	1920
3338336	80	85	2270
3338337	85	85	2490
3338338	90	90	2980
3338339	95	90	3290
3338340	105	110	4500
3338341	110	115	5240
3338342	120	115	6940

3338 Impact Socket (3/4") 6 Point Inch



● Die Forged DIN3129

Number	Size inch	L mm	g
3338343	1/2	50	320
3338344	9/16	50	320
3338345	5/8	50	330
3338346	11/16	50	330
3338347	3/4	50	340
3338348	13/16	50	340
3338349	7/8	50	350
3338350	15/16	50	360
3338351	1	50	360
3338352	1-1/16	53	390

3338 Impact Socket (3/4") 6 Point Inch



● Die Forged DIN3129

Number	Size inch	L mm	g
3338353	1-1/8	53	390
3338354	1-3/16	53	400
3338355	1-1/4	56	430
3338356	1-5/16	56	450
3338357	1-3/8	56	460
3338358	1-7/16	56	480
3338359	1-1/2	56	500
3338360	1-9/16	56	520
3338361	1-5/8	60	630
3338362	1-11/16	60	690
3338363	1-3/4	60	690
3338364	1-13/16	60	720
3338365	1-7/8	70	900
3338366	1-15/16	70	1000
3338367	2	70	1050

3338 Impact Socket (3/4") 6 Point Inch



Number	Size inch	L mm	g
3338368	2-1/16	70	1120
3338369	2-1/8	70	1150
3338370	2-3/16	75	1260
3338371	2-1/4	75	1300
3338372	2-5/16	75	1320
3338373	2-3/8	75	1350
3338374	2-7/16	75	1380
3338375	2-1/2	75	1400
3338376	2-9/16	75	1420
3338377	2-5/8	75	1450
3338378	2-3/4	80	1540
3338379	2-13/16	80	1600
3338380	3	80	1950
3338381	3-1/16	80	2050
3338382	3-1/8	85	2270
3338383	3-3/8	85	2490
3338384	3-7/8	90	3350

3338 Impact Socket (1"Deep) 12 Point



● Die Forged DIN3129

Number	Size mm	L mm	g
3338385	16	100	750
3338386	17	100	750
3338387	18	100	780
3338388	19	100	780
3338389	20	100	780
3338390	21	100	790
3338391	22	100	790
3338392	23	100	820
3338393	24	100	898
3338394	25	100	920
3338395	26	100	930
3338396	27	100	916
3338397	28	100	1000
3338398	29	100	1100
3338399	30	100	1192
3338400	31	100	1200
3338401	32	100	1248
3338402	33	100	1280
3338403	34	100	1280
3338404	35	100	1290

3338 Impact Socket (1"Deep) 12 Point



Number	Size mm	L mm	g
3338405	36	100	1439
3338406	37	100	1320
3338407	38	100	1408
3338408	40	100	1390
3338409	41	100	1661
3338410	42	100	1430
3338411	45	100	1600
3338412	46	100	1838
3338413	48	100	1850
3338414	50	100	1982
3338415	52	100	2000
3338416	54	100	2120
3338417	55	100	2253

3338 Impact Socket (1"Deep) 12 Point



● Die Forged DIN3129

Number	Size mm	L mm	g
3338418	56	100	2150
3338419	57	100	2190
3338420	60	100	2577
3338421	62	100	2300
3338422	64	100	2560
3338423	65	100	2653
3338424	67	100	2600
3338425	70	100	2773
3338426	72	100	2800
3338427	75	100	3182
3338428	78	100	2950
3338429	80	100	3323
3338430	82	110	3500
3338431	85	110	3500
3338432	87	110	4000
3338433	90	115	4670
3338434	92	115	4700
3338435	95	115	4750
3338436	98	115	4800
3338437	100	115	4900
3338438	105	115	5000
3338439	110	120	5200
3338440	115	125	5900
3338441	120	130	6200

3338 Impact Socket (1"Deep) 12 Point Inch



● Die Forged DIN3129

Number	Size inch	L mm	g
3338450	1-11/16	100	1450
3338451	1-3/4	100	1480
3338452	1-13/16	100	1800
3338453	1-7/8	100	1850
3338454	1-15/16	100	1900
3338455	2-1/16	100	2000
3338456	2-1/8	100	2120
3338457	2-3/16	100	2150
3338458	2-1/4	100	2190
3338459	2-5/16	100	2200
3338460	2-3/8	110	2250
3338461	2-7/16	100	2300
3338462	2-1/2	100	2560
3338463	2-9/16	100	2600
3338464	2-5/8	100	2680
3338465	2-3/4	100	2750
3338466	2-13/16	100	2780
3338467	2-7/8	100	2850
3338468	2-15/16	100	2900
3338469	3	100	2950
3338470	3-1/8	100	3000
3338471	3-5/16	110	3500
3338472	3-7/8	115	4800
3338473	4	115	4900
3338474	4-5/8	125	6000

3338 Impact Socket (3/4" Deep) 12 Point



● Die Forged DIN3129

Number	Size mm	L mm	g
3338483	21	90	680
3338484	22	90	738
3338485	23	90	680
3338486	24	90	753
3338487	25	90	690
3338488	26	90	690
3338489	27	90	755
3338490	28	90	700
3338491	29	90	700
3338492	30	90	824
3338493	32	90	927
3338494	33	90	850
3338495	34	90	1033
3338496	35	90	880
3338497	36	90	1036
3338498	37	90	900
3338499	38	90	1040
3338500	40	90	1042
3338501	41	90	1056
3338502	42	90	1170
3338503	43	90	1200
3338504	44	90	1200
3338505	46	90	1238
3338506	48	100	1450
3338507	50	100	1450
3338508	52	100	1450
3338509	53	100	1900
3338510	54	100	2000
3338511	55	100	2100
3338512	57	100	2200
3338513	60	100	2320
3338514	62	100	2450
3338515	65	100	2630
3338516	67	100	2770
3338517	70	100	2940
3338518	75	100	3100

3338 Impact Socket (1"Deep) 12 Point Inch



● Die Forged DIN3129

Number	Size inch	L mm	g
3338442	3/4	100	790
3338443	1-1/16	100	940
3338444	1-3/16	100	1180
3338445	1-5/16	100	1280
3338446	1-3/8	100	1290
3338447	1-1/2	100	1350
3338448	1-9/16	100	1390
3338449	1-5/8	100	1400

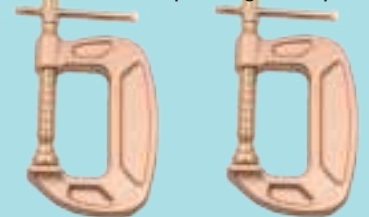
3338 Impact Socket (3/4" Deep) 12 Point



● Die Forged DIN3129

Number	Size mm	L mm	g
3338475	13	90	650
3338476	14	90	650
3338477	15	90	650
3338478	16	90	650
3338479	17	90	728
3338480	18	90	660
3338481	19	90	742
3338482	20	90	660

274009 Non-sparking Clamp



3338 Impact Socket (3/4" Deep) 12 Point Inch



● Die Forged DIN3129

Number	Size inch	L mm	g
3338519	13/16	90	680
3338520	1-1/16	90	690
3338521	1-1/4	90	750
3338522	1-5/16	90	850
3338523	1-3/8	90	880
3338524	1-7/16	90	900
3338525	1-1/2	90	1100
3338526	1-9/16	90	1120
3338527	1-5/8	90	1150
3338528	1-11/16	90	1200
3338529	1-3/4	90	1230
3338530	1-13/16	100	1250
3338531	1-7/8	100	1400
3338532	1-15/16	100	1400

3338 Impact Socket (3/4" Deep) 12 Point Inch



Number	Size inch	L mm	g
3338533	2	100	1650
3338534	2-1/16	100	1650
3338535	2-1/8	100	2100
3338536	2-3/16	100	2100
3338537	2-1/4	100	2150
3338538	2-5/16	100	2200
3338539	2-3/8	100	2200
3338540	2-7/16	100	2250
3338541	2-1/2	100	2280
3338542	2-9/16	100	2300
3338543	2-5/8	100	2320
3338544	2-3/4	100	2410
3338545	2-13/16	100	2630
3338546	2-7/8	100	2700

3338 Impact Socket (2-1/2") 6 Point



● Die Forged DIN3129

Number	Size mm	L mm	g
3338547	41	115	5800
3338548	46	115	6018
3338549	50	115	6093
3338550	52	115	5980
3338551	55	115	6079
3338552	60	120	6497
3338553	62	120	6430
3338554	65	120	6507
3338555	70	125	6824
3338556	73	125	6840
3338557	75	125	7079
3338558	80	125	7140
3338559	85	135	8303
3338560	90	135	8612
3338561	95	140	10114
3338562	100	145	10500
3338563	105	145	10909
3338564	110	155	12179
3338565	115	160	13031
3338566	120	160	13900
3338567	125	170	14894
3338568	130	170	15555
3338569	135	175	16371
3338570	140	180	16855
3338571	145	185	17595
3338572	150	190	21685
3338573	155	195	24480
3338574	160	200	27500
3338575	165	205	29500
3338576	170	210	31600
3338577	175	210	33900
3338578	180	220	35700

3338 Impact Socket (2-1/2") 6 Point Inch



● Die Forged DIN3129

Number	Size inch	L mm	g
3338579	3-1/16	125	7150
3338580	3-7/8	145	10040
3338581	4-1/8	145	10660
3338582	4-1/4	155	12000
3338583	4-5/8	160	12940
3338584	4-3/4	160	13680
3338585	4-7/8	170	14890
3338586	5	170	15000
3338587	5-3/4	185	20000

3338 Impact Socket (1/2") 6 Point



● Die Forged DIN3129

Number	Size mm	L mm	g
3338588	6	40	97
3338589	8	40	105
3338590	10	40	105
3338591	12	40	106
3338592	14	40	109
3338593	17	40	129
3338594	19	40	130
3338595	22	40	139
3338596	24	45	168
3338597	27	45	193
3338598	30	50	245
3338599	32	50	267

3338 Impact Socket (1/2" Deep) 6 Point



● Die Forged DIN3129

Number	Size mm	L mm	g
3338600	8	80	200
3338601	10	80	200
3338602	12	80	200
3338603	14	80	216
3338604	17	80	292
3338605	19	80	279
3338606	22	80	288
3338607	24	80	344
3338608	27	80	391
3338609	30	80	479
3338610	32	80	529

3338 1"Dr Socket Set-16pcs



Number	Size	g
3338611	1" Dr Socket	23390
	36,41,46	
	50,55,60,65	
	70,75,80,85mm	
	Ratchet Wrench	
	1**550mm	
	Sliding T-Handle	
	1**400mm	
	Driver Extension	
	1**200mm	

3339 Impact Driver Extension



● Die Forged

Number	Size inch	L mm	g
3339001	1/2	75	170
3339002	1/2	100	210
3339003	1/2	125	250
3339004	1/2	200	380
3339005	1/2	250	730
3339006	1/2	450	1180
3339007	1/2	600	1540
3339008	1/2	610	1600
3339009	1/2	900	2300
3339010	3/4	100	510
3339011	3/4	125	600
3339012	3/4	175	770
3339013	3/4	200	867
3339014	3/4	250	1000
3339015	3/4	300	1200
3339016	3/4	330	1300
3339017	3/4	400	1760
3339018	3/4	450	1900
3339019	3/4	500	2100

3339 Impact Driver Extension



● Die Forged

Number	Size inch	L mm	g
3339020	3/4	600	2400
3339021	3/4	675	2800
3339022	3/4	800	3300
3339023	3/4	900	3600
3339024	1	125	1100
3339025	1	150	1300
3339026	1	175	1400
3339027	1	200	1734
3339028	1	250	2180
3339029	1	300	2500
3339030	1	330	2600
3339031	1	400	3352
3339032	1	450	3450
3339033	1	600	4700
3339034	1	675	5400
3339035	1	750	5900
3339036	1	960	7200
3339037	1-1/2	125	2800
3339038	1-1/2	200	4100
3339039	1-1/2	250	5094
3339040	1-1/2	380	6500
3339041	1-1/2	390	7000
3339042	1-1/2	400	7400
3339043	1-1/2	500	9145
3339044	1-1/2	600	10700

3339 Impat Hex Bit Socket 1"



● Die Forged

Number	Size mm	L mm	L1 mm	g
3339045	17	100	19	880
3339046	19	100	21	820
3339047	22	100	24	821
3339048	24	100	26	826
3339049	27	100	28	870
3339050	30	100	30	884
3339051	32	100	32	890
3339052	36	100	33	959
3339053	41	100	38	1700

3339 Impat Hex Bit Socket 1" Inch



● Die Forged

Number	Size inch	L mm	g
3339054	9/16	100	850
3339055	7/8	100	1010
3339056	1	100	1080
3339057	1-1/8	100	1200
3339058	1-1/4	100	1365
3339059	1-3/8	100	1470

3339 Impat Hex Bit Socket 3/4"



● Die Forged

Number	Size mm	L mm	L1 mm	g
3339060	14	100	17	403
3339061	16	100	18	530
3339062	17	100	19	409
3339063	19	100	21	415
3339064	22	100	24	440
3339065	24	100	26	449
3339066	27	100	28	471
3339067	30	100	30	810
3339068	32	100	32	875
3339069	36	100	33	990
3339070	41	100	40	1190
3339071	46	100	40	1415
3339072	50	100	45	1570
3339073	55	100	45	1840

283006



Non-Sparking Basin

3339 Impat Hex Bit Socket 3/4" Inch



● Die Forged

Number	Size inch	L mm	g
3339074	1/2	100	430
3339075	5/8	100	470
3339076	3/4	100	510
3339077	13/16	100	540
3339078	7/8	100	570
3339079	1	100	640
3339080	1-1/16	100	700
3339081	1-1/4	100	800

3339 Impat Hex Bit Socket 1/2" Inch



● Die Forged

Number	Size mm	L mm	g
3339082	8	78	145
3339083	10	78	145
3339084	14	78	150
3339085	17	78	160
3339086	19	78	190
3339087	22	78	210
3339088	24	78	230

3339 Impat Hex Bit Socket 1/2" Inch



● Die Forged

Number	Size inch	L mm	g
3339089	5/16	78	145
3339090	3/8	78	145
3339091	7/16	78	150
3339092	15/32	78	190
3339093	1/2	78	150
3339094	17/32	78	210
3339095	9/16	78	155
3339096	5/8	78	160
3339097	21/32	78	240

3339 Impat Hex Bit Socket 1/2" Inch



● Die Forged

Number	Size inch	L mm	g
3339098	11/16	78	165
3339099	23/32	78	260
3339100	3/4	78	265
3339101	7/8	78	308
3339102	15/16	78	333
3339103	1	78	250
3339104	1-1/4	78	380

3339 Impat Hex Bit Socket 1/2" Long Type



● Die Forged

Number	Size mm	L mm	g
3339105	5	170	270
3339106	6	170	270
3339107	8	170	355
3339108	10	170	355
3339109	12	170	420
3339110	14	170	440

3339 Impat Hex Bit Socket 1/2" Long Type



● Die Forged

Number	Size mm	L mm	g
3339111	14	85	210
3339112	17	85	240
3339113	19	85	290

3339 Impat Hex Bit Socket 1-1/2"



● Die Forged

Number	Size mm	L mm	g
3339114	12	95	2300
3339115	22	110	2420
3339116	24	110	2600
3339117	36	120	2900
3339118	41	125	3080

3339 Hex Bit Socket 1"



● Die Forged

Number	Size mm	L mm	L1 mm	g
3339119	22	75	24	480
3339120	24	75	26	510
3339121	27	75	28	530
3339122	30	75	30	555

3339 Hex Bit Socket 3/4"



● Die Forged

Number	Size mm	L mm	g
3339123	19	65	230
3339124	22	65	260
3339125	24	65	270
3339126	27	65	310

3339 Hex Bit Socket 1", Inch



● Die Forged

Number	Size inch	L mm	L1 mm	g
3339127	1-1/8	75	28	540
3339128	1-3/8	75	32	610
3339129	1-1/2	75	36	660

3339 Hex Bit Socket 1/2"



● Die Forged

Number	Size mm	L mm	g
3339130	12	50	125
3339131	13	50	130
3339132	14	50	132
3339133	15	50	135
3339134	17	50	140
3339135	18	50	145
3339136	19	50	155

3339 Hex Bit Socket 3/8", Inch



● Die Forged

Number	Size inch	L mm	g
3339137	3/8	60	75
3339138	1/2	60	95
3339139	3/4	60	115

3340 Impact Universal Joint



● Die Forged

Number	C inch	L mm	g
3340001	1/2	90	240
3340002	3/4	125	721
3340003	1	145	1285
3340004	1-1/2	240	4978
3340005	2-1/2	333	18362

3340 Universal Joint



● Die Forged

Number	C inch	L mm	g
3340006	3/4	125	720
3340007	1	130	930

3341 Adaptor



● Die Forged

Number	F□ inch	M■ inch	L mm	g
3341001	1/2	1/2	50	120
3341002	1/2	3/4	50	155
3341003	1/2	1	55	280
3341004	3/4	1/2	55	310
3341005	3/4	3/4	55	170
3341006	3/4	1	60	307
3341007	3/4	1-1/2	70	670
3341008	1	1/2	70	560
3341009	1	3/4	70	670
3341010	1	1-1/2	85	1116
3341011	1-1/2	3/4	95	1720
3341012	1-1/2	1	100	1943
3341013	1-1/2	2	125	2880

3341 Impact Adaptor



● Die Forged

Number	F□ inch	M■ inch	L mm	g
3341014	1/2	3/4	55	200
3341015	3/4	1/2	55	300
3341016	3/4	1	65	471
3341017	1	3/4	70	640
3341018	1	1-1/2	85	1014
3341019	1-1/2	3/4	90	1950
3341020	1-1/2	1	110	2663
3341021	1-1/2	2-1/2	140	4696
3341022	2-1/2	1-1/2	140	4753

3343 Impact Universal Joint



● Die Forged

Number	C inch	L mm	g
3343001	1	110	1285
3343002	1-1/2	200	4447

3344 Hinged Handle



Number	C inch	L mm	g
3344001	3/4	260	1241
3344002	3/4	390	1200
3344003	3/4	1000	2700
3344004	1	270	1434
3344005	1	390	1300

Ratchet Wrench \ Flange Wedge P271-P272

(28) 3345001-3350009

3345 Ratchet Wrench, Heavy Duty



Number	Size mm	L mm	g
3345001	24	330	850
3345002	30	435	1526
3345003	32	435	2000
3345004	36	485	2200
3345005	41	530	2550
3345006	46	550	3050
3345007	50	580	3408
3345008	55	600	3588
3345009	60	630	4150
3345010	65	650	4650

3346 Ratchet Wrench, Euro Type



Number	Size mm	L mm	K mm	g
3346001	19	435	8.2	1500

3347 Ratchet Wrench, Heavy Duty



Number	Size mm	L mm	g
3347001	46	650	2346
3347002	50	650	2346
3347003	55	780	3876
3347004	60	780	3672
3347005	65	850	5304
3347006	70	850	5253
3347007	75	935	7344
3347008	80	935	7400
3347009	90	1000	8100

3348 T Type Well Cover Hook



Number	L mm	H mm	g
3348001	150	300	622
3348002	150	400	816
3348003	200	300	750
3348004	200	400	810
3348005	200	500	775
3348006	200	600	992
3348007	200	800	1173
3348008	200	1000	1330

3349 Hearing Needle



Number	Φ mm	L mm	g
3349001	6	200	61
3349002	6	250	61
3349003	6	400	102
3349004	6	500	122
3349005	6	600	143
3349006	6	700	163
3349007	6	800	184
3349008	6	1000	224
3349009	7	300	102
3349010	8	500	204
3349011	8	600	245
3349012	8	700	265
3349013	8	800	326
3349014	8	1200	469
3349015	10	300	184
3349016	10	600	388
3349017	10	650	388
3349018	10	680	428

3349 Hearing Needle



Number	L mm	H mm	g
3349019	10	800	510
3349020	10	900	550
3349021	10	1000	612
3349022	10	1200	730
3349023	12	600	551
3349024	12	800	694
3349025	14	1000	1204

3349 Hearing Needle With Ball

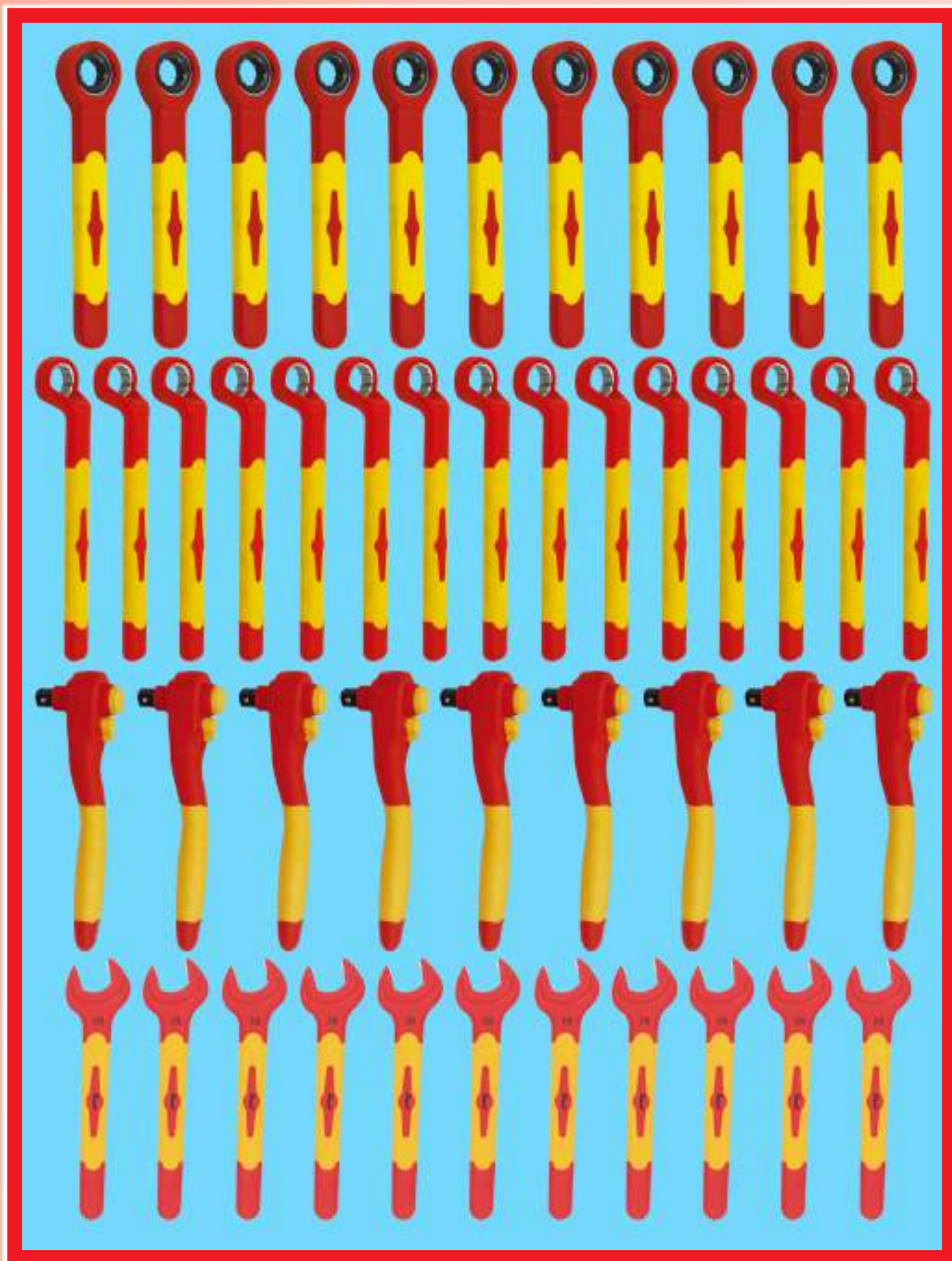


Number	Φ mm	L mm	g
3349026	8	500	204

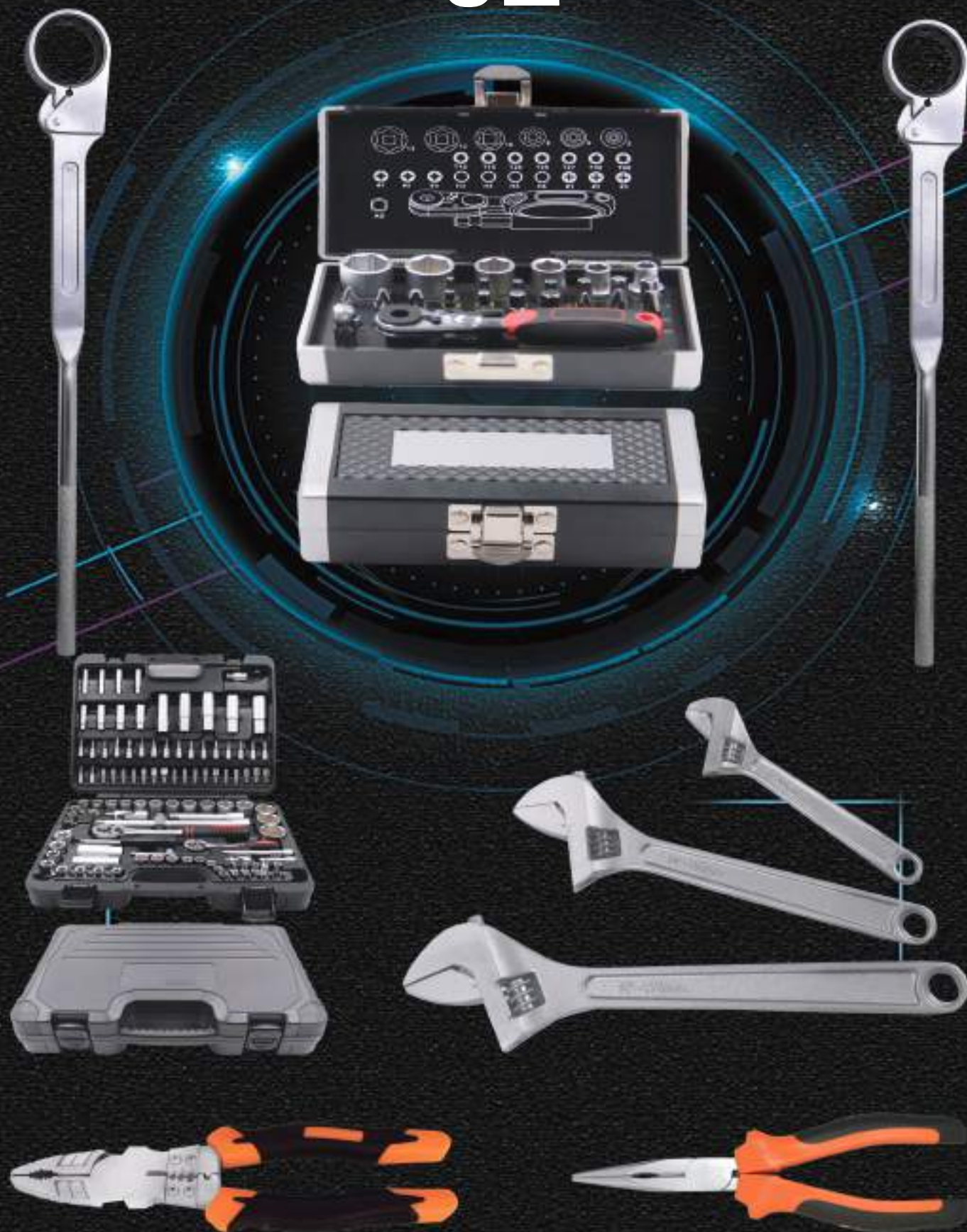
3350 Wedge, Flange



Number	L mm	B mm	H mm	g
3350001	135	50	8	265
3350002	150	25	8	140
3350003	150	50	13	440
3350004	180	50	19	740
3350005	200	40	40	1320
3350006	230	40	20	794
3350007	250	40	30	1250
3350008	275	48	23	1290
3350009	300	50	40	2470



Industrial Steel Tools Set J2 Industrial Steel Tools Set



Socket Set \ Pliers \ Shears P273-P278

(29) 3361001-3392004

3361001 26pcs 1/4" Dr Socket & Bit Set



- The box is designed with spring, users can open easily with one hand, the small-size tools set is most suitable for domestic use, and the screwdriver bit is provided with a color ring, it is easy to identify, easy to store and convenient to carry.
- All the tools are manufactured in Taiwan with quality assurance.

Number	L mm
6-SOCKET	5,6,8,10,12,13mm
1-BIT ADAPTOR	L=25mm
1-STUBBY LEVER TYPE RATCHET	1/4"
1-QUICK RELEASE BITS HOLDER	L=60mm
BITS (L=25mm)	(+): PH1,PH2,PH3 (H): 3,4,5,6mm (T): T10,T15,T20,T25, T27,T30,T40 (*) : PZ1,PZ2,PZ3



3362001 108pcs 1/4" & 1/2" Dr Socket & Bit Set



- T · The most complete tools set,with this tool set, can repair most of the home utensils.
- All tools are made in Taiwan, with quality assurance.
L*W*H:380*260*90mm
G.W.:5828g

Tools	Description
1/2" DR Socket	10,11,12,13,14,15,16,17,18,19,20,21, 22,24,27,30,32mm
5-DEEP SOCKETS	14, 15, 17, 19, 22mm
8-E-SOCKET	E10,E11,E12,E14,E16,E18,E20,E24
2-EXTENSION BAR	125mm,250mm
1-3 WAY ADAPTOR	1/2" (M) X 3/8" (F)
1-UNIVERSAL JOINT	1/2"
2-SPARK PLUG SOCKET	16mm,21mm
1-RATCHET HANDL	1/2"
1-COUPLER	1/2" X 5/16"
13-SOCKET	4,4.5,5.5,6,7,8,9,10,11,12,13,14mm
8-DEEP SOCKET	6,7,8,9,10,11,12,13mm
5-E-SOCKET	E4,E,5E,E6,E7,E8mm
2-EXTENSION BAR	50mm,100mm
1-UNIVERSAL JOINT	1/4"
1-SLIDING T-BAR	1/4" *115mm
1-RATCHET HAN- DLE	1/4"
1-SPINNER HANDLE	150mm
17-SCREWDRIVER BITS	(H): 7,8,10,12,14mm (-): 8,10,12mm (PH): PH3, PH4 (PZ): PZ3, PZ4 (TT):T40, T45, T50, T55, T60
18-BIT SOCKET 1/4" Dr	(T): T8-10-15-20-25-27-30 (+):PH1-2 (*) :PZ1-PZ2 (-)4mm,5.5mm,6.5mm (H):3-4-5-6MM 3-六角扳手: 1.5-2-2.5mm (*) : PZ1-2 (-) : 4-5.5-6.5MM (H): 3-4-5-6MM 3-HEX KEY: 1.5-2-2.5MM

3363001 33pcs 1/4" Dr Bit Set



- Extremely light weight tools set, users can carry at any time, select commonly used screwdriver bit and socket, and the screwdriver head with colour ring, easy to identify.
- All tools are made in Taiwan, with quality assurance.
L*W*H:125*80*35mm
G.W.:355g

Tools	Description
1-BIT ADAPTOR	L=25mm
1-85mm L STUBBY RATCHET BITS DRIVER 72T	L=85mm
1-BITS HOLDER	L=60mm
BITS (L=25mm)	(-): 3-4-5-6MM ; (+): PH1-2x2-3 (*) : PZ1-2x2-3 ; (H): 3-4-5-6mm (T): T10-15-20-25-27-30-40 (TT): T10-15-20-25-27-30-40



3364001 38pcs 1/4" Dr Socket & Bit Set



- Extremely light weight tools set, users can carry at any time, select commonly used screwdriver bit and socket, and the screwdriver head with colour ring, easy to identify.
 - All tools are made in Taiwan, with quality assurance.
- L*W*H:160*90*50mm
G.W.:780g

Tools	Description
10-HEX SOCKET	5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm
1-UNIVERSAL JOINT	1"
2-EXTENSION BAR	50mm, 100mm
1-SPINNER HANDLE	1/4" DR
1-COUPLER	1/4" DR x 1/4" HEX
1-RATCHET HANDLE	1/4" DR
22-BIT	(+)PH1, PH2x2PC, PH3
	(-)3mm-4-5-6
	(*)PZ1-PZ2-PZ3
	(H)3-4-5-6
	(TT)10-15-20-25-27-30-40



Titanium Adjustable Wrench



3365 Pliers, Diagonal Cutting



Number	L inch	L mm	⚖ g
3365001	6	150	190
3365002	8	200	285

3366 Pliers, Lineman



Number	L inch	L mm	⚖ g
3366001	6	150	150
3366002	8	200	350

3367 Pliers, Lineman Laborsaving (Germany Type)



Number	L inch	L mm	⚖ g
3367001	6	150	190
3367002	8	200	350

3368 Bent Pliers, Lineman Laborsaving (Germany Type)



Number	L inch	L mm	⚖ g
3368001	6	150	190
3368002	7-1/2	190	315

3369 Multifunctional Pliers, Lineman



Number	L inch	L mm	⚖ g
3369001	6	150	210
3369002	8	200	390

3370 Pliers, Snipe Nose



Number	L inch	L mm	⚖ g
3370001	6	150	175
3370002	8	200	300

3371 Pliers, Snipe Nose Laborsaving (Germany Type)



Number	L inch	L mm	⚖ g
3371001	6	150	180
3371002	8	200	230

3372 Bent Pliers, Snipe Nose Laborsaving (Germany Type)



Number	L inch	L mm	⚖ g
3372001	6	150	180
3372002	9	225	300

3373 Multifunctional Pliers, Snipe Nose



Number	L inch	L mm	⚖ g
3373001	6	150	190
3373002	8	200	245

3374 Double Ratchet Wrench



● One-time die-forged of chrome vanadium.
 ● Torque strengthening.
 ● It is forbidden to use as a hammer or use with lever arm, also forbidden to tread or strike.

Number	Size mm	L mm	Pc Box	⚖ kg
3374001	12*14	235	100	21/20
3374002	14*17	270	50	16/15
3374003	17*19	312	40	19/18
3374004	17*21	312	40	19/18
3374005	19*21	312	40	19/18
3374006	19*22	312	40	19/18
3374007	19*24	355	30	21/20
3374008	22*24	355	30	21/20
3374009	21*26	355	30	21/20
3374010	24*27	395	24	23/22
3374011	24*30	395	24	23/22
3374012	27*30	395	24	23/22
3374013	30*32	395	24	23/22
3374014	32*36	435	16	23/22
3374015	36*41	455	12	23/22
3374016	41*46	500	8	19/18
3374017	46*50	500	8	19/18
3374018	50*55	530	6	19/18
3374019	55*60	565	4	17/16

3375 Single Ratchet Wrench



● One-time die-forged of chrome vanadium.
 ● Torque strengthening.
 ● It is forbidden to use as a hammer or use with lever arm, also forbidden to tread or strike.

Number	Size mm	L mm	Pc Box	⚖ kg
3375001	10	235	100	20/19
3375002	12	235	100	20/19
3375003	14	235	100	20/19
3375004	17	270	50	15/14
3375005	19	312	40	18/17
3375006	22	312	40	18/17
3375007	24	355	30	20/19
3375008	27	355	30	20/19
3375009	30	395	24	22/21
3375010	35	435	16	22/21
3375011	36	435	16	22/21
3375012	41	455	12	22/21
3375013	46	500	8	18/17
3375014	50	500	8	18/17

3376 Motor Wrench



● High-precision revolving wormgear, easily to opening and closing.
 ● Integral heat treatment of wrench, strong torque.

Number	S mm	L mm	⚖ g
3376001	62	230	460
3376002	78	280	650
3376003	82	375	1300

3377 Adjustable Wrench



● One-time die-forged of chrome vanadium.
 ● High-precision revolving wormgear, easily to opening and closing.
 ● With precise scale range, more efficient.

Number	Size mm	L mm	Pc Box	⚖ kg
3377001	4	100	240	13.2/12.2
3377002	6	150	120	16.6/15.6
3377003	8	200	96	25.5/24.5
3377004	10	250	60	25.8/24.8
3377005	12	300	36	27.5/26.5
3377006	15	375	16	20.5/19.5
3377007	18	450	4	8/7
3377008	24	600	4	12.7/11.7

3378 Ratchet Wrench



● High-precision revolving wormgear, easily to opening and closing.
 ● Integral heat treatment of wrench, strong torque.

Number	Size mm	L mm	Pc Box	⚖ kg
3378001	6.3	155	100	18
3378002	10	210	60	19
3378003	12.5	255	40	21

3379 Pipe Wrench



Number	Size inch	L mm	Pc Box	⚖ kg
3379001	6	150	72	17.8
3379002	8	200	48	20
3379003	10	260	36	26
3379004	12	300	24	24
3379005	14	350	12	16.7
3379006	18	450	12	26
3379007	24	600	6	21
3379008	36	900	4	24
3379009	48	1200	2	21

3380 Pipe Wrench (Aluminum Handle)



Number	Size inch	L mm	Pc Box	kg
3380001	10	275	36	17.7
3380002	12	328	24	17.06
3380003	14	369	24	22.65
3380004	18	465	12	18
3380005	24	623	6	15
3380006	36	900	4	17.58

3381 Ratchet Combination Wrench



Number	Size mm	L mm	Pc Box	kg
3381001	6	114	560	24/23
3381002	7	114	560	24/23
3381003	8	132	360	23/22
3381004	9	132	360	23/22
3381005	10	149	300	25/24
3381006	11	167	200	22/21
3381007	12	185	150	22/21
3381008	13	185	150	22/21
3381009	14	202	150	25/24
3381010	15	202	150	25/24
3381011	16	220	100	23/22
3381012	17	220	100	23/22
3381013	18	238	80	23/22
3381014	19	238	80	23/22
3381015	20	238	80	23/22
3381016	21	247	60	21/20
3381017	22	247	60	21/20
3381018	23	270	50	22/21
3381019	24	270	50	22/21
3381020	25	270	50	22/21
3381021	27	293	40	22/21
3381022	30	322	30	21/20
3381023	32	388	20	20/19

3382 Adjustable Pipe Wrench, 45° straight Jaws



Number	Size inch	L mm	Opening mm	Pc Box	kg
3382001	0.5	235	25	48	20
3382002	1	330	40	24	20
3382003	1.5	415	55	16	22.5
3382004	2	535	67	8	20
3382005	3	652	103	6	26

3383 Adjustable Pipe Wrench, S Type Jaws



Number	Size inch	L mm	Opening mm	Pc Box	kg
3383001	0.5	235	25	48	20
3383002	1	330	40	24	20
3383003	1.5	415	55	16	22.5
3383004	2	535	67	8	20
3383005	3	652	103	6	26

3384 Adjustable Pipe Wrench, 90° Type



Number	Size inch	L mm	Opening mm	Pc Box	kg
3384001	1	320	40	24	18.8
3384002	1.5	425	55	16	21.5
3384003	2	560	67	8	19
3384004	3	630	103	6	18.8
3384005	4	735	121	3	16.5

3385 26pcs 1/2" Dr.Socket Wrench Set



Number	DESCRIPTION	SPECIFICATION
3385001	18pcs 6t.Metric Sockets	10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,27,30,32mm
	2pcs Spark Plug Sockets	16,21mm
	Quick Release Ratchet Handle	
	Sliding T-bar	
	Universal Joint	
	Extension Bars	3", 5", 10"
	G.W	5.38kg

3386 33pcs 1/4" Dr.Socket Wrench Set



Number	DESCRIPTION	SPECIFICATION
3386001	12pcs 6pt. Metric Sockets	4,4.5,5,5.5,6,7,8,9,10,11,12,13mm
	3pcs Hex Keys	1.5mm,2,2.5mm (Slotted)3,4,5,6,7mm
	12pcs Bit Sockets	(Philips)PH1,PH2 (Hex)3,4,5,6,8,mm
	Quick Release Ratchet Handle	
	Sliding T-bar	
	Universal Joint	
	Extension Bars	2", 4"
	Spinner Handle	
	G.W	1.17kg

3387 22pcs 3/8" Dr.Socket Wrench Set



Number	DESCRIPTION	SPECIFICATION
3387001	15pcs 6t.Metric Sockets	6,7,8,9,10,11,12,13,14,15,16,17,18,19,22mm
	2pcs Spark Plug Sockets	16,21mm
	Quick Release Ratchet Handle	
	Sliding T-bar	
	Universal Joint	
	Extension Bars	3 " ,6 "
	G.W	2kg

3388 21pcs 20mm Dr.Socket Wrench Set



Number	DESCRIPTION	SPECIFICATION
3388001	15pcs 6t.Metric Sockets	21,22,23,24,26,27,30,32,33,35,36,38,41,46,50mm
	Sliding T-bar & 3-Way Adapter	450mm
	Extension Bars	200mm,400mm
	Ratchet Handle	475mm
	Flex Handle-Industrial Grade	475mm
	G.W	15.10kg

3389 Left Cut Aviation Snips



- The cutting edge is made of chromium-vanadium steel, high frequency hardening treatment, serrated side edge, which can effectively prevent the sliding of the shearing material and make the shearing smooth and labor-saving.
- PVC+TPR handle, comfortable grip.
- Side lock design, lock upwards, open the lock downwards.
- The maximum shear capacity is 1.2mm cold rolled sheet and 0.7mm stainless steel plate.

Number	Size inch	Product Size mm	g
3389001	10	250*72*22	430

3390 Right Cut Aviation Snips



- The cutting edge is made of chromium-vanadium steel, high frequency hardening treatment, serrated side edge, which can effectively prevent the sliding of the shearing material and make the shearing smooth and labor-saving.
- PVC+TPR handle, comfortable grip.
- Side lock design, lock upwards, open the lock downwards.
- The maximum shear capacity is 1.2mm cold rolled sheet and 0.7mm stainless steel plate.

Number	Size inch	Product Size mm	g
3390001	10	250*72*22	430

3391 Straight Cut Aviation Snips



- The cutting edge is made of chromium-vanadium steel, high frequency hardening treatment, serrated side edge, which can effectively prevent the sliding of the shearing material and make the shearing smooth and labor-saving.
- PVC+TPR handle, comfortable grip.
- Side lock design, lock upwards, open the lock downwards.
- The maximum shear capacity is 1.2mm cold rolled sheet and 0.7mm stainless steel plate.

Number	Size inch	Product Size mm	g
3391001	10	250*72*22	430

3392 Tinman's Snips American Type



- Die-forged of high-carbon steel.
- High-frequency quenching cutting edge with strong shearing ability.
- Bending head design is suitable for cutting various curved objects.

Number	Size inch	Product Size mm	PC Box	kg
3392001	8	53 × 28 × 30	48	21/20
3392002	10	54 × 36 × 32	48	28/27
3392003	12	60 × 38.5 × 32	48	34/33
3392004	14	47 × 45 × 33	36	35/34





Premium Non-Magnetic Titanium Tool Series



P279-P298



Titanium Tools are non-magnetic, corrosion-resistant, low-density, and High-strength, making them lightweight. They are applied in aviation, aerospace, maritime, pharmaceutical, food industries, and other environments with magnetic fields or corrosive substances.

Titanium Tools P279-P298

(30) 5101001-5707002

5101 Adjustable Wrench



- Used in Aerospace,Aviation,Military,Hospitals,etc. Lightweight,Non-magnetic, Strong and Durable.
- It is suitable for different sizes of fasteners by adjusting the opening size.

Number	L mm	Kmax mm	⚖ g
5101001	100	13	23
5101002	150	18	66
5101003	200	24	127
5101004	250	30	230
5101005	300	36	373

5101 Wrench, Adjustable (Water drop hole)



- Suitable for aviation, aerospace, medical and other industries, high-altitude operation, opening width can be adjusted, used to disassemble hexagonal or square bolts, nuts, lightweight, super strong, no magnetic, handle water drop hole design, beautiful appearance.

Number	L mm	Kmax mm	⚖ g
5101006	150	18	95
5101007	200	24	170
5101008	250	30	285
5101009	300	36	490

5102 Wrench, Pipe (American Type)



- Used in Aerospace,Aviation,Military,Hospitals,etc. Lightweight,Non-magnetic, Strong and Durable.Used for turning or assembling pipes and fittings.

Number	L mm	Kmax mm	⚖ g
5102001	200	25	176
5102002	250	30	520
5102003	300	40	565
5102004	350	50	807

5102 Wrench, Pipe (American Type)



- Used in Aerospace,Aviation,Military,Hospitals,etc. Lightweight,Non-magnetic, Strong and Durable. Used for turning or assembling pipes and fittings.
- Aluminium Handle

Number	L mm	Kmax mm	⚖ g
5102005	450	60	1270
5102006	600	75	1950
5102007	900	85	3100

5102 Wrench, Pipe (British Type)



- Used in Aerospace,Aviation,Military,Hospitals,etc. Lightweight,Non-magnetic, Strong and Durable.Used for turning or assembling pipes and fittings.

Number	L mm	D mm	⚖ g
5102008	250	30	310
5102009	300	40	460
5102010	350	50	610
5102011	450	60	950

5103 Wrench, Combination



- Used in Aerospace,Aviation,Military,Hospitals,etc. Lightweight,Non-magnetic, Strong and Durable. Both ends generally fit the same size of bolts and nuts.

Number	S mm	L mm	⚖ g
5103001	5	105	8
5103002	5.5	105	8
5103003	6	105	8
5103004	7	120	15
5103005	8	120	13
5103006	9	135	23
5103007	10	135	21
5103008	11	150	32
5103009	12	150	30
5103010	13	175	45
5103011	14	175	44
5103012	15	195	70
5103013	16	195	68
5103014	17	195	68
5103015	18	215	90
5103016	19	215	89
5103017	21	245	135
5103018	22	245	131
5103019	24	265	155
5103020	25	265	153

5103 Wrench, Combination



- Used in Aerospace,Aviation,Military,Hospitals,etc. Lightweight,Non-magnetic, Strong and Durable. Both ends generally fit the same size of bolts and nuts.

Number	S mm	L mm	⚖ g
5103021	27	290	211
5103022	30	320	261
5103023	32	340	333
5103024	36	360	609
5103025	46	480	1089
5103026	55	560	1603

5103 Wrench, Combination (Long Type)



- Used in Aerospace,Aviation,Military,Hospitals,etc. Lightweight,Non-magnetic, Strong and Durable. Both ends generally fit the same size of bolts and nuts.

Number	S mm	L mm	⚖ g
5103027	6	130	18
5103028	8	155	33
5103029	10	155	45
5103030	12	175	54
5103031	14	195	78
5103032	17	210	102
5103033	19	235	130
5103034	22	260	175
5103035	24	285	215
5103036	27	310	270
5103037	30	335	330
5103038	32	365	410

5103 Wrench, Combination Inch



- Used in Aerospace,Aviation,Military,Hospitals,etc. Lightweight,Non-magnetic, Strong and Durable. Both ends generally fit the same size of bolts and nuts.

Number	S inch	L mm	⚖ g
5103039	3/16	105	14
5103040	15/64	105	14
5103041	1/4	105	14
5103042	5/16	120	15
5103043	11/32	135	23
5103044	3/8	135	23
5103045	7/16	150	32
5103046	1/2	175	47
5103047	9/16	175	45
5103048	5/8	195	70
5103049	11/16	195	69
5103050	3/4	215	94
5103051	13/16	245	150
5103052	7/8	245	133
5103053	15/16	265	156
5103054	1	290	220
5103055	1-1/8	320	275
5103056	1-3/16	320	264
5103057	1-1/4	340	460

5104 Wrench, Construction with Pin



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. The sharp tail has a variety of uses.

Number	S mm	L mm	g
5104001	17	220	60
5104002	19	240	80
5104003	22	260	137
5104004	24	280	160
5104005	27	300	197
5104006	30	320	247

5105 Wrench, Single Open End



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Used to tighten or loosen bolts and nuts, lightweight but more efficient.

Number	S mm	L mm	g
5105001	6	95	13
5105002	8	95	14
5105003	10	125	14
5105004	12	125	31
5105005	13	140	42
5105006	14	140	35
5105007	15	160	61
5105008	16	160	55
5105009	17	160	59
5105010	19	170	70
5105011	22	195	95
5105012	24	220	104
5105013	27	240	148
5105014	30	260	230
5105015	32	260	250
5105016	36	310	372

5105 Wrench, Single Open End Inch



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Used to tighten or loosen bolts and nuts, lightweight but more efficient.

Number	S inch	L mm	g
5105017	5/8	160	48
5105018	1	240	153
5105019	1-1/8	260	192
5105020	1-3/16	260	197

5106 Wrench, Striking Open (DIN133)



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Used with a hammer to remove or tighten large bolts and nuts.

Number	S mm	L mm	g
5106001	17	125	77
5106002	18	125	75
5106003	19	125	75
5106004	22	135	95
5106005	24	150	136
5106006	26	175	220
5106007	27	175	217
5106008	30	190	277
5106009	32	190	260
5106010	36	200	363

5107 Wrench, Double Open End (DIN3110)



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Used to tighten or loosen bolts and nuts.

Number	S mm	L mm	g
5107001	5*5.5	120	9
5107002	5.5*7	120	9
5107003	6*7	120	9
5107004	7*9	135	14
5107005	8*9	145	17
5107006	8*10	145	17
5107007	9*11	165	29
5107008	10*11	165	27
5107009	10*12	165	27
5107010	10*13	165	25
5107011	11*12	165	25
5107012	11*13	180	42
5107013	11*14	180	42
5107014	12*13	180	41
5107015	12*14	180	38
5107016	13*15	195	63
5107017	13*16	195	63
5107018	13*17	195	60
5107019	14*15	195	60
5107020	14*16	195	59
5107021	14*17	195	59
5107022	14*19	210	78
5107023	15*17	210	78
5107024	16*17	210	75
5107025	16*18	210	75
5107026	17*18	210	73

5107 Wrench, Double Open End (DIN3110)



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Used to tighten or loosen bolts and nuts.

Number	S mm	L mm	g
5107027	17*19	210	73
5107028	18*19	210	73
5107029	18*20	225	120
5107030	18*21	225	120
5107031	19*21	225	119
5107032	19*22	225	119
5107033	20*22	250	144
5107034	21*22	250	142
5107035	21*23	250	142
5107036	22*23	250	141
5107037	22*24	250	141
5107038	24*26	270	205
5107039	24*27	270	200
5107040	24*30	290	265
5107041	26*28	290	265
5107042	27*29	290	264
5107043	27*30	290	264
5107044	27*32	310	368
5107045	30*32	310	365
5107046	30*33	310	360
5107047	30*36	330	570
5107048	32*36	330	570
5107049	34*36	345	650

5107 Wrench, Double Open End (DIN3110) Long Type



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Used to tighten or loosen bolts and nuts.

Number	S1*S2 mm	L mm	g
5107050	6*7	125	23
5107051	8*10	135	30
5107052	10*12	145	48
5107053	12*14	160	60
5107054	14*17	170	93
5107055	17*19	185	108
5107056	19*22	205	135
5107057	22*24	220	180
5107058	24*27	235	246
5107059	27*30	260	327
5107060	30*32	280	402

5107 Wrench, Double Open End Inch



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Used to tighten or loosen bolts and nuts.

Number	Size inch	L mm	g
5107061	7/32*1/4	120	10
5107062	1/4*5/16	135	20
5107063	3/8*7/16	165	30
5107064	7/16*1/2	180	40
5107065	1/2*9/16	180	50
5107066	9/16*5/8	195	60
5107067	5/8*11/16	195	60
5107068	11/16*3/4	210	75
5107069	3/4*7/8	225	105

5108 Wrench, Double Box Offset (DIN838)



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Used to tighten or loosen bolts and nuts, suitable for use where space is narrow or deep concavity

Number	S1*S2 mm	L mm	g
5108001	8*9	190	30
5108002	8*10	190	30
5108003	10*11	200	40
5108004	10*12	200	42
5108005	11*13	220	60
5108006	12*13	220	60
5108007	12*14	220	57
5108008	13*16	255	85
5108009	14*17	255	83
5108010	17*19	280	106
5108011	18*21	300	135
5108012	19*22	300	132
5108013	22*24	330	189
5108014	24*27	340	230
5108015	24*30	350	310
5108016	27*30	350	287
5108017	27*32	370	348
5108018	30*32	370	348
5108019	30*36	430	560
5108020	32*36	430	560

5108 Wrench, Double Box Offset (DIN838) (Long Type)



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Used to tighten or loosen bolts and nuts, suitable for use where space is narrow or deep concavity

Number	S1*S2 mm	L mm	g
5108021	6*7	185	35
5108022	8*10	200	38
5108023	10*12	215	68
5108024	12*14	230	86
5108025	14*17	250	108
5108026	17*19	270	120
5108027	19*22	290	150
5108028	22*24	310	183
5108029	24*27	335	258
5108030	27*30	360	312
5108031	30*32	385	390
5108032	32*36	415	486
5108033	36*41	445	620
5108034	41*46	475	730
5108035	46*50	505	1055

5109 Wrench, Double Flat Box (DIN837)



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Used to tighten or loosen bolts and nuts, suitable for use where space is limited instead of double end open spanner.

Number	S1*S2 mm	L mm	g
5109001	6*7	95	10
5109002	7*9	115	20
5109003	8*9	115	20
5109004	8*10	115	22
5109005	9*11	140	30
5109006	10*12	140	28
5109007	11*13	145	45
5109008	12*14	145	38
5109009	14*15	165	55
5109010	14*17	165	52
5109011	16*18	185	70
5109012	17*19	185	74
5109013	19*22	200	112
5109014	20*22	200	100
5109015	21*23	215	130
5109016	22*24	215	125
5109017	24*26	255	195
5109018	24*27	255	193
5109019	27*30	280	217
5109020	30*32	295	306
5109021	32*36	330	365

5110 Wrench, Construction



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Used to tighten or loosen bolts and nuts

Number	S mm	L mm	g
5110001	8	210	49
5110002	10	230	48
5110003	12	250	80
5110004	14	270	80
5110005	17	310	101
5110006	19	330	134
5110007	22	350	156
5110008	24	370	254
5110009	26	400	270
5110010	27	400	253
5110011	30	430	377
5110012	32	430	378
5110013	36	460	434

5111 Wrench, Single Box



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Used to tighten or loosen bolts and nuts

Number	S mm	L mm	g
5111001	7	110	30
5111002	8	110	30
5111003	10	120	35
5111004	12	130	36
5111005	14	140	38
5111006	17	155	64
5111007	19	170	80
5111008	22	190	87
5111009	24	215	119
5111010	27	230	136
5111011	30	255	191
5111012	32	265	208
5111013	36	295	218

5111 Wrench, Bent Single Box



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Used to tighten or loosen bolts and nuts

Number	S mm	L mm	g
5111014	10	120	25
5111015	12	150	30
5111016	14	150	30
5111017	17	175	50
5111018	19	205	110
5111019	22	205	110
5111020	24	250	175
5111021	27	250	175

5112 Wrench, Striking Box (DIN7444)



(DIN7444)

- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. For loosening of nuts and bolts where impact or shock loading is required. These are used with hammer.

Number	S mm	L mm	g
5112001	17	145	86
5112002	19	145	79
5112003	22	155	116
5112004	24	165	126
5112005	27	175	175
5112006	30	185	242
5112007	32	185	240
5112008	36	205	299
5112009	41	225	430
5112010	46	235	560
5112011	50	250	650
5112012	55	265	800
5112013	60	275	896

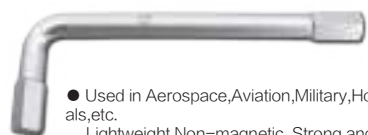
5113 Offset Slogging Box Wrench (American Type)



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Used to tighten or loosen bolts and nuts.

Number	S mm	L mm	g
5113001	19	220	400
5113002	22	240	522
5113003	24	240	522
5113004	27	270	695
5113005	30	280	815
5113006	32	290	928

5114 Wrench, Hex Key



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Used to fasten or remove socket head cap screws

Number	S mm	L mm	H mm	g
5114001	1	60	25	2
5114002	1.5	60	25	3
5114003	2	60	25	3
5114004	2.5	60	25	3
5114005	3	60	25	4
5114006	4	65	30	5
5114007	5	80	32	8
5114008	5.5	80	32	12
5114009	6	85	37	13
5114010	7	90	43	18
5114011	8	95	44	25
5114012	9	100	44	33
5114013	10	110	45	44
5114014	11	120	48	59
5114015	12	130	52	79
5114016	13	140	54	93
5114017	14	150	58	114
5114018	15	155	60	135
5114019	16	160	63	160
5114020	17	170	65	190
5114021	19	175	72	261
5114022	22	185	77	380
5114023	24	190	82	460
5114024	27	215	93	690
5114025	30	240	105	910
5114026	32	265	116	1133

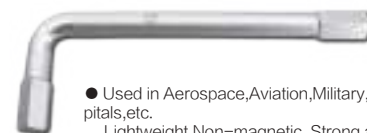
5114 Wrench, Hex Key



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Used to fasten or remove socket head cap screws

Number	S mm	L mm	H mm	g
5114027	1.5	60	15	3
5114028	2	60	18	3
5114029	2.5	60	20	4
5114030	3	70	23	5
5114031	4	80	29	8
5114032	5	90	33	11
5114033	6	100	38	15
5114034	7	110	41	22
5114035	8	125	44	33
5114036	9	140	47	47
5114037	10	155	50	63
5114038	11	170	53	83
5114039	12	185	57	105
5114040	13	205	63	130
5114041	14	225	70	160

5114 Wrench, Hex Key Inch



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Used to fasten or remove socket head cap screws

Number	Size inch	L mm	H mm	g
5114042	1/16	59	25	3
5114043	5/64	59	25	3
5114044	3/32	59	25	3
5114045	7/64	59	25	4
5114046	1/8	59	25	4
5114047	5/32	65	30	5
5114048	3/16	79	32	8
5114049	1/4	85	37	14
5114050	9/32	88	43	20

5114 Wrench, Hex Key Inch



- Used in Aerospace, Aviation, Military, Hospitals, etc.
Lightweight, Non-magnetic, Strong and Durable.
Used to fasten or remove socket head cap screws

Number	Size inch	L mm	H mm	g
5114051	5/16	92	44	25
5114052	11/32	97	44	32
5114053	3/8	110	45	44
5114054	7/16	119	48	59
5114055	15/32	130	52	78
5114056	1/2	140	54	90
5114057	17/32	140	54	96
5114058	9/16	150	58	113
5114059	5/8	162	63	162
5114060	11/16	168	65	190
5114061	3/4	178	73	262
5114062	13/16	184	77	325
5114063	7/8	187	79	380

5114 Wrench, Hex Key Inch



- Used in Aerospace, Aviation, Military, Hospitals, etc.
Lightweight, Non-magnetic, Strong and Durable.
Used to fasten or remove socket head cap screws

Number	S inch	L mm	H mm	g
5114064	1/16	47	15	2.5
5114065	1/8	69	23	5
5114066	3/16	88	33	11
5114067	1/4	99	38	15
5114068	3/8	153	50	63
5114069	7/16	169	53	82
5114070	1/2	204	63	130
5114071	9/16	223	70	160

5114 Wrench, Hex Key (Long Type)



- Used in Aerospace, Aviation, Military, Hospitals, etc.
Lightweight, Non-magnetic, Strong and Durable.
Used to fasten or remove socket head cap screws

Number	S mm	L mm	H mm	g
5114072	1.5	100	23	3
5114073	2	100	25	7
5114074	2.5	110	27	12
5114075	3	110	29	17
5114076	4	115	31	21
5114077	5	115	33	28
5114078	6	125	35	32
5114079	7	125	37	47
5114080	8	135	39	55
5114081	9	135	41	63
5114082	10	140	43	78
5114083	11	140	45	89
5114084	12	150	47	102

5114 Wrench, Hex Key (Bent Type)



- Used in Aerospace, Aviation, Military, Hospitals, etc.
Lightweight, Non-magnetic, Strong and Durable.
Used to fasten or remove socket head cap screws

Number	S mm	L mm	H mm	g
5114085	3	55	36	10

Socket & Accessories



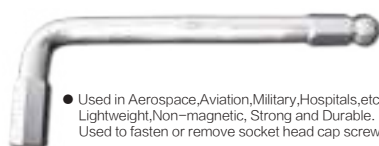
5114 Wrench, Hex Key (T Type)



- Used in Aerospace, Aviation, Military, Hospitals, etc.
Lightweight, Non-magnetic, Strong and Durable.
To fasten or remove socket head cap screws in deep concavity space, or matched with socket.

Number	S mm	H mm	L mm	g
5114086	2	100	90	30
5114087	2.5	100	90	30
5114088	3	100	90	30
5114089	4	100	90	41
5114090	5	100	90	47
5114091	6	100	90	55
5114092	7	100	90	55
5114093	8	100	90	55
5114094	9	100	90	83
5114095	10	100	90	83
5114096	12	100	90	109
5114097	14	100	90	148
5114098	17	100	90	203

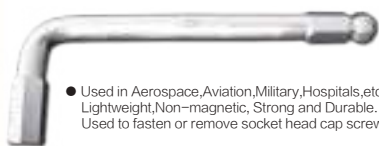
5115 Wrench, Hex Key with Ball



- Used in Aerospace, Aviation, Military, Hospitals, etc.
Lightweight, Non-magnetic, Strong and Durable.
Used to fasten or remove socket head cap screws

Number	S mm	L mm	H mm	g
5115001	2	55	16	2
5115002	2.5	60	18	2
5115003	3	65	20	4
5115004	4	70	25	5
5115005	5	80	28	8
5115006	5.5	90	32	13
5115007	6	90	32	13
5115008	7	95	34	18
5115009	8	100	36	25
5115010	9	105	38	35
5115011	10	110	40	46
5115012	11	120	42	59
5115013	12	125	45	76
5115014	17	170	63	149

5115 Wrench, Hex Key with Ball



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Used to fasten or remove socket head cap screws

Number	S mm	L mm	H mm	g
5115015	1.5	55	15	3
5115016	2	60	18	3
5115017	2.5	65	20	4
5115018	3	70	23	5
5115019	4	80	29	8
5115020	5	90	33	11
5115021	6	100	38	15
5115022	7	110	41	22
5115023	8	125	44	33
5115024	9	140	47	46
5115025	10	155	50	63
5115026	11	170	53	82
5115027	12	185	57	105
5115028	13	205	63	130
5115029	14	225	70	160

5115 Wrench, Hex Key with Ball Inch



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Used to fasten or remove socket head cap screws

Number	Size inch	L mm	H mm	g
5115030	1/16	50	13	2
5115031	5/64	50	19	2
5115032	3/32	56	18	2
5115033	7/64	63	20	4
5115034	1/8	63	20	5
5115035	9/64	63	20	6
5115036	5/32	70	25	8
5115037	3/16	80	28	10
5115038	7/32	82	34	13
5115039	1/4	90	32	14
5115040	5/16	100	36	26
5115041	3/8	106	47	42

5115 Wrench, Hex Key with Ball Inch



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Used to fasten or remove socket head cap screws

Number	S inch	L mm	H mm	g
5115042	1/16	47	15	2.5
5115043	1/8	69	23	5
5115044	3/16	88	33	11
5115045	1/4	99	38	15
5115046	3/8	153	50	63
5115047	7/16	169	53	82
5115048	1/2	204	63	130
5115049	9/16	223	70	160

5115 Wrench, Hex Key with Ball (Long Type)



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Used to fasten or remove socket head cap screws

Number	S mm	L mm	H mm	g
5115050	3	130	20	8
5115051	4	150	25	8
5115052	5	170	28	10

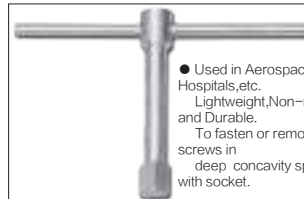
5116 Wrench, T-type Sliding Hex



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. To fasten or remove socket head cap screws in deep concavity space, or matched with socket.

Number	S mm	L mm	H mm	g
5116001	2	120	100	20
5116002	2.5	120	100	25
5116003	3	120	100	30
5116004	4	130	100	40
5116005	5	130	100	50
5116006	6	140	100	60
5116007	7	150	100	70
5116008	8	150	100	73
5116009	10	150	110	124
5116010	12	170	130	169

5116 Wrench, T-type Sliding Hex



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. To fasten or remove socket head cap screws in deep concavity space, or matched with socket.

Number	S mm	L mm	H mm	g
5116011	14	170	140	238
5116012	17	190	150	265
5116013	19	220	160	268
5116014	24	260	190	380

5117 Wrench, Hook



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Used to fasten or remove socket head cap screws

Number	D mm	L mm	g
5117001	20-22	113	15
5117002	25-28	135	30
5117003	30-32	136	30
5117004	34-36	170	60
5117005	40-42	170	60
5117006	45-50	206	115
5117007	52-55	206	115
5117008	58-62	242	185
5117009	68-75	242	185
5117010	80-90	280	240
5117011	95-100	280	240

5201 Pliers, Adjustable Combination



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Used to fasten or remove socket head cap screws

Number	L inch	L mm	K mm	g
5201001	6	150	8	86
5201002	8	200	13	188
5201003	10	250	16	285

5202 Pliers, Lineman



- Used in Aerospace,Aviation,Military,Hospitals,etc. Lightweight,Non-magnetic, Strong and Durable. Used for cutting and crimping metal or wire.

Number	L inch	L mm	⚖ g
5202001	6	150	116
5202002	8	200	227

5205 Pliers, Groove Joint



- Used in Aerospace,Aviation,Military,Hospitals,etc. Lightweight,Non-magnetic, Strong and Durable. Used for turning and holding bolts and nuts, gripping irregularly shaped objects, and clamping materials..

Number	L inch	L mm	K mm	⚖ g
5205001	6	150	16	105
5205002	8	200	25	174
5205003	10	250	45	292

5207 Tweezers, Neat Tips



- Suitable for aviation, aerospace, medical and other industries, high-altitude operation, for block drugs or metal particles and other small items to take out, light, super strong, non-magnetic.

Number	L inch	L mm	⚖ g
5207003	6	150	20
5207004	8	200	25

5203 Pliers, Diagonal Cutting



- Used in Aerospace,Aviation,Military,Hospitals,etc. Lightweight,Non-magnetic, Strong and Durable. Mostly used for cutting wire.

Number	L inch	L mm	⚖ g
5203001	6	150	117
5203002	8	200	203

5206 Pliers, Water Pump



- Used in Aerospace,Aviation,Military,Hospitals,etc. Lightweight,Non-magnetic, Strong and Durable. Used for turning and holding bolts and nuts, gripping irregularly shaped objects, and clamping materials.

Number	L inch	L mm	K mm	⚖ g
5206001	6	150	16	75
5206002	8	200	25	113
5206003	10	250	32	189

5208 Crimping Tool, Insulated Cable Connectors



- Used in Aerospace,Aviation,Military,Hospitals,etc. Lightweight,Non-magnetic, Strong and Durable. Easily strips and cuts solide or stranded wire.

Number	L inch	L mm	⚖ g
5208001	6	150	60
5208002	8	200	77

5204 Pliers, Snipe Nose



- Used in Aerospace,Aviation,Military,Hospitals,etc. Lightweight,Non-magnetic, Strong and Durable. Used for cutting wire or holding tiny components.

Number	L inch	L mm	⚖ g
5204001	6	150	92
5204002	8	200	163

5207 Tweezers, Neat Tips



- Used in Aerospace,Aviation,Military,Hospitals,etc. Lightweight,Non-magnetic, Strong and Durable. Pick up small objects like metal particles.

Number	L inch	L mm	⚖ g
5207001	6	150	13
5207002	8	200	25

5209 Round Nose Pliers



- Used in Aerospace,Aviation,Military,Hospitals,etc. Lightweight,Non-magnetic, Strong and Durable. The tapered, conical jaws for bending and shaping wire.

Number	L inch	L mm	⚖ g
5209001	6	150	100
5209002	8	200	125

5210 Flat Nose Pliers



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Used for holding and crimping metal or wire.

Number	L inch	L mm	⚖ g
5210001	6	150	92
5210002	8	200	138

5211 Pliers, Snap Ring-Internal



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Install and remove snap rings.

Number	Size inch	L mm	⚖ g
5211001	8	200	160
5211002	10	250	230

5212 Pliers, Snap Ring-External



Number	L inch	L mm	⚖ g
5212001	8	200	160
5212002	10	250	230

5213 Locking Pliers



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Single-handed operation with quick-release lever, adjusting screw and integrated wire cutter.

Number	L inch	L mm	D mm	⚖ g
5213001	7	175	35	235
5213002	10	225	40	265

5214 Shears, Cutting



- Suitable for aviation, aerospace, medical and other industries, cutting cloth, paper, metal sheet, rope and other sheet and linear articles.

Number	L inch	L mm	⚖ g
5214001	6	150	45
5214002	8	200	69

5300 1/4" Dr Socket



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	⚖ g
5300001	4	25	8
5300002	5	25	8
5300003	6	25	8
5300004	7	25	8
5300005	8	25	10
5300006	9	25	11
5300007	10	25	12
5300008	11	25	15
5300009	12	26	15
5300010	13	26	16
5300011	14	26	16
5300012	15	27	22
5300013	16	27	22
5300014	17	27	28
5300015	18	27	28
5300016	19	27	28

5300 3/8" Dr Socket (12 Point)



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	⚖ g
5300017	5	28	17
5300018	6	28	17
5300019	7	28	17
5300020	8	28	18
5300021	9	28	20
5300022	10	32	27
5300023	11	32	25
5300024	12	32	25
5300025	13	32	30
5300026	14	32	28
5300027	15	32	27
5300028	16	32	30
5300029	17	32	34
5300030	18	32	35
5300031	19	32	35
5300032	20	32	39
5300033	24	35	48

5300 3/8" Dr Socket Inch (12 Point)



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S inch	L mm	⚖ g
5300034	5/16	28	18
5300035	3/8	28	15
5300036	7/16	32	25
5300037	1/2	32	25
5300038	9/16	32	25
5300039	5/8	32	35
5300040	11/16	32	35
5300041	3/4	32	35
5300042	13/16	35	50
5300043	7/8	35	60
5300044	1	35	70
5300045	1-1/16	38	90
5300046	1-1/4	38	120

5300 3/8" Dr Socket (6 Point)



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	g
5300047	8	28	18
5300048	10	32	27
5300049	12	32	25
5300050	13	32	30
5300051	14	32	28

5300 3/8" Deep Dr Socket (12 Point)



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	g
5300052	12	100	100
5300053	14	100	110
5300054	17	100	125
5300055	19	100	135
5300056	22	100	150

5301 1/2" Dr Socket (12 Point)



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	g
5301001	6	40	47
5301002	7	40	47
5301003	8	40	47
5301004	9	40	47
5301005	10	40	47
5301006	11	40	44
5301007	12	40	44
5301008	13	40	41
5301009	14	40	41
5301010	15	40	50
5301011	16	40	50
5301012	17	40	50
5301013	18	42	50

5301 1/2" Dr Socket Inch (12 Point)



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	g
5301014	19	42	57
5301015	20	42	65
5301016	21	43	65
5301017	22	43	65
5301018	23	43	75
5301019	24	43	85
5301020	25	43	95
5301021	27	46	100
5301022	28	46	120
5301023	29	46	120
5301024	30	46	140
5301025	31	46	160
5301026	32	46	160
5301027	34	50	160

5301 1/2" Dr Socket Inch (12 Point)



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	Size inch	L mm	g
5301028	5/16	40	45
5301029	3/8	40	45
5301030	7/16	40	45
5301031	1/2	40	45
5301032	9/16	40	45
5301033	5/8	40	45
5301034	11/16	42	50
5301035	3/4	42	55
5301036	13/16	43	65
5301037	7/8	43	65
5301038	15/16	43	85
5301039	1	43	95

5302 Impact Socket (3/4")



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Work with all kinds of electrical and impact tools.

Number	S mm	L mm	g
5302001	17	50	211
5302002	19	50	211
5302003	22	50	211
5302004	24	50	204
5302005	27	50	232
5302006	30	55	247
5302007	32	55	262

5302 3/4" Dr Socket (12 Point)



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. It suitable for use where space is narrow or deep concavity to tighten or loosen bolts and nuts.

Number	S mm	L mm	g
5302008	17	50	135
5302009	19	50	135
5302010	21	55	150
5302011	22	55	150
5302012	23	55	165
5302013	24	55	165
5302014	26	55	170
5302015	27	55	170
5302016	28	55	185
5302017	29	55	190
5302018	30	60	225
5302019	31	60	235
5302020	32	60	255
5302021	34	60	265
5302022	36	60	280

5303 Universal Joint



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. It is commonly used in shafts that transmit rotary motion

Number	C inch	L mm	g
5303001	1/4	56	20
5303002	3/8	60	40
5303003	1/2	80	106
5303004	3/4	110	293

5304 Hinged Handle



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. This tool allows the user to impart considerable torque to fasteners, especially in cases where corrosion has resulted in a difficult-to-loosen part.

Number	C inch	L mm	g
5304001	3/8	190	134
5304002	1/2	250	275
5304003	1/2	320	300
5304004	1/2	400	360

5305 Ratchet Wrench



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Reversing the direction of operation in situ without detaching the sockets. It has built in mechanisms for both right and left operation.

Number	C inch	L mm	g
5305001	3/8	200	155
5305002	1/2	245	386
5305003	3/4	320	900

5306 Sliding T Type Wrench



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Tighten or loosen hex bolts and nuts directly.

Number	S mm	L mm	H mm	g
5306001	6	120	120	55
5306002	8	120	130	74
5306003	10	140	150	86
5306004	12	140	150	115
5306005	13	150	170	140
5306006	14	150	170	152
5306007	15	150	170	150
5306008	17	170	190	175
5306009	19	170	210	293
5306010	22	200	240	414

5307 Driver Extension



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Tighten or loosen hex bolts and nuts directly.

Number	C inch	L mm	g
5307001	1/4	30	10
5307002	1/4	50	20
5307003	1/4	100	30
5307004	1/4	125	35
5307005	1/4	220	50
5307006	3/8	50	30
5307007	3/8	75	46
5307008	3/8	100	60
5307009	3/8	125	75
5307010	3/8	150	85
5307011	3/8	200	120
5307012	3/8	220	150
5307013	1/2	50	60
5307014	1/2	75	85
5307015	1/2	100	110
5307016	1/2	125	132
5307017	1/2	130	135
5307018	1/2	150	155
5307019	1/2	200	205
5307020	1/2	250	253
5307021	3/4	200	481

5308 Wrench, Socket L-Type



Number	S mm	L mm	g
5308001	5.5	120	20
5308002	6	120	21
5308003	7	130	34
5308004	8	145	34
5308005	10	168	55
5308006	12	215	82
5308007	13	240	115
5308008	14	245	136
5308009	16	255	200
5308010	17	260	220
5308011	18	265	235
5308012	19	270	257
5308013	24	285	365

5309 Speed Handle



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Used instead of a ratchet in narrow space.

Number	C inch	L mm	g
5309001	3/8	300	263
5309002	1/2	390	437

5310 Adaptor



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Used as a convertor to permit use of sockets and driving tools to different drive sizes.

Number	F inch	M inch	L mm	g
5310001	3/8	1/4	26	16
5310002	1/4	3/8	22	11
5310003	1/2	3/8	34	38
5310004	3/8	1/2	34	26
5310005	3/4	1/2	55	180
5310006	1/2	3/4	50	92

5311 Screwdriver Socket



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. It is used as a slotted screwdriver when matched with transmission accessories.

Number	C inch	L mm	B mm	g
5311001	1/2	52	13	57

5312 Hex Drive Type Socket (1/4")



- Suitable for aviation, aerospace, medical and other industries, with socket head use, loosen hexagonal bolts.

Number	S mm	L mm	g
5312001	3	37	10
5312002	4	37	12
5312003	5	37	12
5312004	6	37	13
5312005	7	37	12
5312006	8	37	13
5312007	9	37	16
5312008	10	37	18

5312 Hex Drive Type Socket Inch (1/4")



- Suitable for aviation, aerospace, medical and other industries, with socket head use, loosen hexagonal bolts.

Number	S inch	L mm	g
5312009	3/32	37	10
5312010	7/64	37	11
5312011	5/32	37	12

5312 Hex Drive Type Socket (3/8")



- Suitable for aviation, aerospace, medical and other industries, with socket head use, loosen hexagonal bolts.

Number	S mm	L mm	g
5312012	2.5	47	20
5312013	3	47	20
5312014	4	47	18
5312015	5	47	22
5312016	6	47	23
5312017	7	47	24
5312018	8	47	26
5312019	9	47	28
5312020	10	47	33
5312021	11	47	35
5312022	12	47	37
5312023	13	47	40
5312024	14	47	42

5312 Hex Drive Type Socket (1/2")



- Suitable for aviation, aerospace, medical and other industries, with socket head use, loosen hexagonal bolts.

Number	S mm	L mm	g
5312025	12	60	65
5312026	13	60	75
5312027	14	60	80
5312028	15	60	90
5312029	16	60	95
5312030	17	60	100
5312031	18	60	105
5312032	19	60	120
5312033	20	60	125

5312 Hex Drive Type Socket (1/4") (Long Type)



- Suitable for aviation, aerospace, medical and other industries, with socket head use, loosen hexagonal bolts.

Number	S mm	L mm	g
5312034	2.5	75	15
5312035	3	75	15
5312036	3.5	75	16
5312037	4	75	16
5312038	5	75	18
5312039	3.5	300	35
5312040	4	300	35

5312 Hex Drive Type Socket Inch (1/4") (Long Type)



- Suitable for aviation, aerospace, medical and other industries, with socket head use, loosen hexagonal bolts.

Number	S inch	L mm	g
5312041	3/32	170	20
5312042	9/64	170	25
5312043	5/32	170	30
5312044	3/16	170	32

5313 Sliding T Handle



- Suitable for aviation, aerospace, medical and other industries, sleeve accessories, with the use of sleeve head

Number	C inch	L mm	g
5313001	1/4	200	65
5313002	3/8	200	115
5313003	1/2	250	207
5313004	3/4	350	580
5313005	1	400	890

5401 Knife, Common



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Cutting tool, plastic handle.

Number	K mm	L mm	g
5401001	25	230	52
5401002	30	250	56
5401003	35	260	61

5402 Knife, Putty



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Suitable for scraping or spreading.

Number	K mm	L mm	g
5402001	25	200	63
5402002	40	200	65
5402003	50	200	70
5402004	65	200	80

5403 Knife, Putty



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Suitable for scraping or spreading.

Number	K mm	L mm	g
5403001	75	200	76
5403002	100	200	85
5403003	150	250	120

5404 Spatula



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Used for mixing and spreading.

Number	K mm	L mm	g
5404001	30	195	65
5404002	50	210	80
5404003	75	225	89

5405 Scraper, Flat



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Scraping tool.

Number	K mm	L mm	g
5405001	30	200	164
5405002	30	300	255
5405003	35	350	325
5405004	50	350	415

5405 Scraper



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Suitable for scraping or spreading.

Number	B mm	L mm	g
5405005	50	705	480
5405006	75	705	500

5406 Chisel, Flat



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Cutting tool using a mallet or hammer.

Number	B mm	φ mm	L mm	g
5406001	11	10	120	45
5406002	13	12	140	71
5406003	15	14	160	106
5406004	16	15	430	380
5406005	17	16	160	136
5406006	19	18	160	167
5406007	19	18	200	215
5406008	21	20	200	267
5406009	23	22	200	320

5406 Punch, Center



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Cutting tool using a mallet or hammer.

Number	φ mm	L mm	g
5406010	18	200	220
5406011	20	200	240

5407 Bar, Pinch



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Used for prying, moving, rolling, or lifting heavy objects. One end of the bar is tapered to a point.

Number	B mm	φ mm	L mm	g
5407001	16	15	400	350
5407002	16	15	500	445
5407003	17	16	400	345
5407004	17	16	500	430
5407005	19	18	600	680
5407006	21	20	800	1118
5407007	21	20	1500	2100

5408 Electrician Knife



- Suitable for aviation, aerospace, medical and other industries, cutting wire insulation layer, rope.

Number	L mm	g
5408001	195	82

5409 Hearing Needle



- Suitable for aviation, aerospace, medical and other industries to check equipment noise faults.

Number	φ mm	L mm	⚖ g
5409001	6	250	37
5409002	6	300	54
5409003	8	500	90
5409004	10	800	290
5409005	10	1000	360

5410 Bar, Wrecking



- Suitable for aviation, aerospace, medical and other industries, nail, wooden box, disassembling box.

Number	φ mm	L mm	⚖ g
5410001	13	250	157

5411 Hand Saw



- Suitable for aviation, aerospace, medical and other industries, sawing narrow holes and slots, small volume workpieces.

Number	L mm	⚖ g
5411001	1300	135

5412 File, Half Round



- Suitable for aviation, aerospace, medical and other industries, file or trim the arc groove and round hole of metal workpiece.

Number	L inch	L mm	B mm	⚖ g
5412001	8	200	23	152
5412002	10	250	26	185
5412003	12	300	28	266

5413 File, Flat



- Suitable for aviation, aerospace, medical and other industries, file or trim the arc groove and round hole of metal workpiece.

Number	L inch	L mm	B mm	⚖ g
5413001	8	200	20	143
5413002	10	250	20	185

5501 Slotted Screwdriver



- Used in Aerospace, Aviation, Military, Hospitals, ect. Lightweight, Non-magnetic, Strong and Durable. Fasten and unload slotted blot screw nail.

Number	B mm	L1 mm	L mm	⚖ g
5501001	2	50	134	24
5501002	3	50	134	24
5501003	3	75	155	25
5501004	3	100	184	25
5501005	3	125	209	25
5501006	3	150	234	30
5501007	3	200	284	30
5501008	3.5	50	134	25
5501009	4	50	130	25
5501010	4	75	159	27
5501011	4	100	184	30
5501012	4	125	210	30
5501013	4	150	234	30
5501014	4	200	284	35
5501015	5	100	205	60
5501016	5	150	255	65
5501017	5	200	305	65
5501018	6	100	215	75
5501019	6	125	240	80
5501020	6	150	265	80
5501021	6	200	315	85
5501022	7	150	265	85
5501023	7	200	315	100
5501024	8	100	227	115
5501025	8	150	277	120
5501026	8	200	327	130
5501027	8	250	377	140

5501 Slotted Screwdriver Inch



- Used in Aerospace, Aviation, Military, Hospitals, ect. Lightweight, Non-magnetic, Strong and Durable. Fasten and unload slotted blot screw nail.

Number	B inch	L1 inch	L mm	⚖ g
5501028	3/32	3	159	25
5501029	1/8	6	234	27
5501030	3/16	6	255	65
5501031	5/16	6	277	105

5502 Phillips Screwdriver



- Used in Aerospace, Aviation, Military, Hospitals, ect. Lightweight, Non-magnetic, Strong and Durable. Fasten and unload phillips lot(screw nail).

Number	Size	L1 mm	L mm	⚖ g
5502001	PH0(Φ3)	50	134	24
5502002	PH0(Φ3)	75	159	25
5502003	PH0(Φ3)	100	184	25
5502004	PH0(Φ3)	125	209	25
5502005	PH0(Φ3)	150	234	25
5502006	PH0(Φ3)	200	284	30
5502007	PH1(Φ4)	75	159	28
5502008	PH1(Φ4)	100	184	30
5502009	PH1(Φ4)	150	234	30
5502010	PH1(Φ4)	200	284	30
5502011	PH1(Φ5)	75	180	55
5502012	PH1(Φ5)	100	205	57
5502013	PH1(Φ5)	125	230	60
5502014	PH1(Φ5)	150	255	65
5502015	PH2(Φ6)	75	190	65
5502016	PH2(Φ6)	100	215	75
5502017	PH2(Φ6)	125	240	80
5502018	PH2(Φ6)	150	265	80
5502019	PH2(Φ6)	200	315	90
5502020	PH3(Φ8)	100	227	105
5502021	PH3(Φ8)	150	277	120
5502022	PH3(Φ8)	200	327	130
5502023	PH4(Φ9)	250	377	160

5503 Electrician Screwdriver



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Fasten and unload electrician slotted bolt

Number	B mm	L1 mm	L mm	g
5503001	3	50	135	24
5503002	4	75	160	28
5503003	4	100	185	30
5503004	5	100	205	60
5503005	5	150	255	60
5503006	6	100	215	75
5503007	8	150	277	122
5503008	10	200	327	192

5503 Slotted Offset Screwdriver



- Suitable for aviation, aerospace, medical and other industries, to find the best use Angle in the narrow space, loosen the slotted screws.

Number	B mm	L mm	g
5503009	6	72	36
5503010	8	125	60
5503011	10	196	73

5503 Trox Screwdriver



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Fasten and unload electrician slotted bolt

Number	Size	L1 mm	L mm	g
5503012	T8	125	210	30
5503013	T10	75	180	55
5503014	T15	75	180	55
5503015	T20	100	215	75
5503016	T25	125	240	80
5503017	T30	150	265	95
5503018	T40	200	330	130
5503019	T45	100	230	110

5503 Trox Screwdriver



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Fasten and unload Trox blot screw nail.

Number	Size	L1 mm	L mm	g
5503020	T8	75	153	30
5503021	T9	75	153	30
5503022	T10	75	153	45
5503023	T25	125	218	65

5503 Slotted Screwdriver



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Fasten and unload slotted blot screw nail.

Number	B	L1 mm	L mm	g
5503024	10	300	420	283

5503 Slotted Screwdriver



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Fasten and unload slotted blot screw nail.

Number	B	L1 mm	L mm	g
5503025	6	150	255	155

5503 Electrician Slotted Screwdriver Wooden Handle



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Fasten and unload slotted blot screw nail.

Number	B mm	L1 mm	L mm	g
5503026	5	100	200	60
5503027	6	125	225	70
5503028	7	175	250	85
5503029	8	200	320	100
5503030	9	250	370	125
5503031	10	300	450	155
5503032	12	400	550	250
5503033	13	450	600	260
5503034	15	250	400	300

5503 Electrician Phillips Screwdriver Wooden Handle



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. Fasten and unload phillips lolt(screw nail).

Number	size	L1 mm	L mm	g
5503035	PH1(Φ4)	75	175	50
5503036	PH1(Φ5)	100	200	55
5503037	PH2(Φ6)	100	200	65
5503038	PH2(Φ6)	125	225	80
5503039	PH2(Φ6)	300	400	100
5503040	PH3(Φ8)	200	320	125
5503041	PH3(Φ8)	250	370	145
5503042	PH4(Φ9)	300	450	160
5503043	PH4(Φ9)	350	500	185
5503044	PH4(Φ9)	400	550	225
5503045	PH4(Φ9)	450	600	285
5503046	PH4(Φ9)	500	650	295
5503047	PH4(Φ9)	600	750	325

5504 Lock Torque Wrench -Window Display



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Strong and Durable.

Number	C inch	Torque N.m	L mm	g
5504001	3/8	10-50	295	660
5504002	1/2	20-100	395	720
5504003	1/2	40-200	470	825
5504004	1/2	50-260	570	918
5504005	3/4	150-670	1085	2450
5504006	1	300-900	1340	4350

5504 Torque Wrench With Pointer



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable.

Number	C inch	Torque N.m	L mm	g
5504007	3/8	100	310	268
5504008	1/2	300	490	726
5504009	3/4	500	560	1158

5505 Slotted Screwdriver Bits



● Suitable for aviation, aerospace, medical and other industries, with electric and pneumatic tools, tighten screws of various shapes.

Number	Type	size mm	g
5505001	⊖	0.6*4.5	4
5505002		0.8*5.5	4
5505003		1.2*6.5	4

5505 Hex Screwdriver Bits



● Suitable for aviation, aerospace, medical and other industries, with electric and pneumatic tools, tighten screws of various shapes.

Number	Type	size mm	g
5505004	⬤	2	4
5505005		2.5	4
5505006		3	4
5505007		4	4
5505008		5	4
5505009		6	4

5505 Phillips Screwdriver Bits



● Suitable for aviation, aerospace, medical and other industries, with electric and pneumatic tools, tighten screws of various shapes.

Number	type	size	g
5505010	⊕	PH1	4
5505011		PH2	4
5505012		PH3	4

5505 Phillips Screwdriver Bits Long Type



● Suitable for aviation, aerospace, medical and other industries, with electric and pneumatic tools, tighten screws of various shapes.

Number	Type	size	L mm	g
5505013	⊕	PH2	50	25

5505 Pozidriv Screwdriver Bits



● Suitable for aviation, aerospace, medical and other industries, with electric and pneumatic tools, tighten screws of various shapes.

Number	type	size	g
5505014	⌘	PZ1	30
5505015		PZ2	30
5505016		PZ3	33

5505 Trox Screwdriver Bits



● Suitable for aviation, aerospace, medical and other industries, with electric and pneumatic tools, tighten screws of various shapes.

Number	type	size	g
5505017	⌘	T10	45
5505018		T15	45
5505019		T20	50
5505020		T25	55
5505021		T27	60
5505022		T30	70
5505023		T40	75

5505 1/4" Impact Bits



Number	S mm	L mm	g
5505024	2.5	100	9
5505025	3	100	9
5505026	4	100	11
5505027	5	100	12
5505028	6	100	15

5505 Hexagonal handle extension rod



Number	size	g
5505029	1/4	75

5505 1/4" Impact Bits with Ball



Number	S mm	L mm	g
5505030	2.5	100	9
5505031	3	100	9
5505032	4	100	11
5505033	5	100	12
5505034	6	100	15

5506 Ruler



● Suitable for aviation, aerospace, medical and other industries, measuring size, distance, straight line.

Number	Size mm	g
5506001	200	30
5506002	300	45
5506003	500	70
5506004	1000	150

5507 Inside Caliper



● Suitable for aviation, aerospace, medical and other industries, measuring hole diameter and slot width.

Number	Size mm	g
5507001	150	20
5507002	200	25
5507003	250	40
5507004	300	55



5601001 Tool Set-21pcs



- Used in Aerospace,Aviation,Military,Hospitals,etc. Lightweight,Non-magnetic, Strong and Durable. The sharp tail has a variety of uses.

Number	Description
Wrench,Combination	6mm,8mm,10mm,12mm,14mm,17mm
Wrench,Hex Key	3mm,4mm,5mm,6mm,7mm,8mm,9mm,10mm,12mm
Wrench,Socket L-Type	6mm,8mm,10mm,12mm,14mm

5602001 Tool Set-25pcs



- Used in Aerospace,Aviation,Military,Hospitals,etc. Lightweight,Non-magnetic, Strong and Durable. The sharp tail has a variety of uses.

Number	Description
Double open end wrench	11/16**3/4", 9/16**5/8", 7/16**1/2"
Combination wrench	10mm, 17mm
Wrench,Hex Key	3mm,4mm,5mm,6mm,7mm,8mm,9mm,3/16",5/32",5/16"
Diagonal cutting pliers	6"
Long nose pliers	8"
Socket 3/8"	10mm,17mm
Hinged handle	3/8**180mm
Flat screwdriver	3*50,4*100,8*150
Phillips screwdriver	#1*75,#3*150

5603001 Tool Set-14pcs



- Used in Aerospace,Aviation,Military,Hospitals,etc. Lightweight,Non-magnetic, Strong and Durable. The sharp tail has a variety of uses.

Number	Description
Socket 3/8" Hex	4*90mm,5*90mm,6*90mm,8*90mm
Socket 3/8"	13mm,15mm,17mm,19mm,
Wrench, Double open End	13*15mm,15*17mm,17*19mm
Driver Extension	3/8**100mm,3/8**200mm
Torque Wrench 3/8"	5-50Nm

5604001 Tool Set-37pcs



- Used in Aerospace,Aviation,Military,Hospitals,etc. Lightweight,Non-magnetic, Strong and Durable. The sharp tail has a variety of uses.

Number	Description
Socket 3/8"	10mm
Wrench, Double open End	8*10mm,10*12mm,14*17mm,16*18mm,17*19mm,22*24mm,13*15mm
Wrench, Hex Key	2mm,2.5mm,3mm,4mm,5mm,6mm,7mm,8mm,9mm,10mm,
Pliers, Lineman	150mm
Pliers, Diagonal Cutting	150mm
Pliers, Snipe Nose	150mm
Tweezers Neat Tips	150mm
Hinged Handle	3/8" *190mm
Screwdriver Slotted	4*100mm,8*150mm
Screwdriver Phillips	#1*75mm,#3*150mm
Wrench, Torx Key	T7,T8,T9,T10,T15,T20,T25,T27,T30,T40

5605001 Tool Set-39pcs



- Used in Aerospace,Aviation,Military,Hospitals,etc. Lightweight,Non-magnetic, Strong and Durable. The sharp tail has a variety of uses.

Number	Description
Wrench, Combination	6mm,8mm,10mm,12mm,14mm
Wrench, Hex Key	3mm,4mm,5mm,6mm,7mm,8mm,9mm,10mm,11mm,12mm,
Pliers, Snipe Nose	150mm, 200mm
Pliers, Diagonal Cutting	150mm,200mm
Socket 1/2"	6mm,8mm,10mm,12mm,14mm,17mm,19mm,22mm
Universal Joint	1/2" *80mm
Ratchet Wrench	1/2" *245mm
Driver Extension	1/2" *125mm,1/2" *250mm
Screwdriver Slotted	3*50mm,4*75mm,5*100mm,6*150mm
Screwdriver Phillips	50mm,75mm,100mm,150mm

5606001 Tool Set-16pcs



- Used in Aerospace,Aviation,Military,Hospitals,etc. Lightweight,Non-magnetic, Strong and Durable. The sharp tail has a variety of uses.

Number	Description
Socket 1/2"	6mm, 8mm, 10mm, 12mm, 14mm, 17mm, 19mm, 22mm,
Ratchet Wrench	1/2**245mm
Sliding T Handle	1/2**250mm
Speed Handle	1/2**400mm
Universal Joint	1/2**80mm
Driver Extension	1/2**125mm, 1/2" *250mm
Hinged Handle	1/2**250mm
Screwdriver Socket	1/2"

5607001 Tool Set-30pcs



- Used in Aerospace,Aviation,Military,Hospitals,etc. Lightweight,Non-magnetic, Strong and Durable. The sharp tail has a variety of uses.

Number	Description
Wrench, Hex Key	3mm, 4mm, 5mm, 6mm, 7mm, 8mm, 9mm
Phillips Screwdriver	50mm, 75mm, 100mm, 150mm
Slotted Screwdriver	50mm, 75mm, 100mm, 150mm
Wrench,Combination	8mm, 10mm, 12mm, 14mm, 17mm, 19mm
Wrench, Adjustable	8" , 10"
Pliers, Groove Joint	10"
Pliers, Water Pump	10"
Pliers, Snipe Nose	8"
Diagonal Cutting	8"
Knife, Common	230mm
Tweezers, Neat Tips	150mm
Hammer, Ball Pein	0.45kg

5608001 Tool Set-66pcs



- Used in Aerospace,Aviation,Military,Hospitals,etc. Lightweight,Non-magnetic, Strong and Durable. The sharp tail has a variety of uses.

Number	Description
Socket 1/2"	1/2" 方13mm, 16mm, 18mm
Ratchet Wrench	1/2"
Double open end wrench	6*7, 8*10, 12*14, 13*16, 14*17, 18*21, 19*22, 24*27, 27*30, 32*36mm
Double Box Offset wrench	8*10, 11*13, 12*14, 13*16, 18*21, 22*24, 24*27mm
Adjustable wrench	36*300mm
Wrench, Hex Key	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 17, 19mm
Screwdriver Slotted	8*250, 1.2*6.5*125mm
Ball Pein Hammer	0.68kg
Pliers, Lineman	200mm
Pliers, Snipe Nose	160mm
Screwdriver Phillips	6*150mm
Ruler	300mm
Electrician Knife	2#
Hook wrench	68-72,90-95mm
Half Round File	200X II
Triangle File	200X II
Snap Ring-Internal Pliers	200mm
Punch	18*200mm
Chisel	18*200mm
Socket Set	1/2" Dr-16Pcs
Tools case	L*W*H:570*470*200mm

5609001 Tool Set-37pcs



- Used in Aerospace,Aviation,Military,Hospitals,etc. Lightweight,Non-magnetic, Strong and Durable. The sharp tail has a variety of uses.

Number	Description
Socket 1/2"	8mm, 10mm, 12mm, 14mm, 17mm, 19mm, 22mm
Screwdriver Slotted	3*50mm/4*75mm/6*100mm/8*150mm
Screwdriver Phillips	PH0*50mm/PH1*75mm/PH1*100mm/PH2*150mm
Driver Extension	1/2*125mm/250mm
Pliers, Snipe Nose	6"
Pliers, Diagonal Cutting	6"
Wrench, Combination	8mm/10mm/12mm/14mm/17mm/19mm
Wrench, Hex Key	4mm/5mm/6mm/7mm/8mm/9mm/10mm/11mm/12mm
Universal Joint	1/2" *80mm
Ratchet Wrench	1/2" *245mm

5610001 Tool Set-16pcs



- Used in Aerospace,Aviation,Military,Hospitals,etc. Lightweight,Non-magnetic, Strong and Durable. The sharp tail has a variety of uses.

Number	Description
Socket 1/2"	6mm/8mm/10mm/14mm/17mm/ 19mm/22mm
Screwdriver Socket	1/2"
Hinged Handle	1/2" *250mm
Driver Extension	1/2" *125mm
Driver Extension	1/2" *250mm
Univerdal Joint	1/2" *80mm
Speed Handle	1/2" *400mm
Sliding T Handle	1/2" *250mm
Ratchet Wrench	1/2" *245mm

5611001 Special tools set for high-grade medical equipment - 21 pcs



- Used in Aerospace,Aviation,Military,Hospitals,etc. Lightweight,Non-magnetic, Strong and Durable. The sharp tail has a variety of uses.

Number	Description
Wrench, Combination	10mm, 12mm, 14mm, 17mm, 19mm, 22mm, 24mm, 27mm
Adjustable Wrench	8"
Wrench, Hex Key	3mm, 4mm, 5mm, 6mm, 8mm, 10mm
Pliers, Diagonal Cutting	6"
Pliers, Water Pump	10"
Screwdriver Slotted	3X50mm, 5X100mm
Screwdriver Phillips	3X50, 5X100mm
Ratchet Wrench	1/2" *245mm

5612001 Speed Breakdown & Rescue Tools Set - 24 pcs



- Used in Aerospace,Aviation,Military,Hospitals,etc. Lightweight,Non-magnetic, Strong and Durable. The sharp tail has a variety of uses.

Number	Description
Ball Pein Hammer	3/4LB
Chisel	18X200mm, 14X160mm
Adjustable Wrench	200mm
Bar, Wrecking	250mm
Pliers, Adjustable Combination	8"
Pliers, Lineman	8"
Pliers, Long Nose	6"
Pliers, Water Pump	10"
Pliers, Diagonal Cutting	6"
Screwdriver Slotted	5*100mm
Screwdriver Phillips	PH1*100mm
Bar, Pinch	15*400
Hammer, Claw	3/4LB
Slotted Offset Screwdriver	6*72, 8*125, 10*196
Hearing Needle	6*250mm
Knife	30*250mm
Putty Knife	25*200mm
Shears, Cutting	150mm
Hand Saw	300mm
Tweezers, Flat Nose	150mm
Wire Stripper	160mm

5613001 General equipment maintenance special tools set -33 pcs



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. The sharp tail has a variety of uses.

Number	Description
Wrench Hex Key	4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 14mm
Screwdriver Phillips	PH0*50mm, PH1*75mm, PH1*100mm, PH2*150mm
Screwdriver Slotted	3*50mm, 4*75mm, 6*100mm, 8*150mm
Wrench, Combination	8mm, 10mm, 12mm, 14mm, 17mm, 19mm
Adjustable Wrench	250mm
Chisel	180*200
Pliers, Groove Joint	250mm
Pliers, Water Pump	250mm
Pliers, Long Nose	8"
Pliers, Diagonal Cutting	8"
Pliers, Lineman	8"
Hearing Needle	6*250mm
Ball Pein Hammer	3/4LB

5701 Hammer, Ball Pein



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. The sharp tail has a variety of uses.

Number	size g	L mm	g
5701001	230	300	330
5701002	340	325	530
5701003	450	365	640
5701004	680	400	834

5701 Hammer, Ball Pein



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. The sharp tail has a variety of uses.

Number	size lb	L mm	g
5701005	3/4	280	525
5701006	1	310	618

5702 Hammer, Cross Pein Engineers'



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. The sharp tail has a variety of uses.

Number	Size g	L mm	g
5702001	230	300	330
5702002	340	325	440
5702003	450	365	600
5702004	500	365	650
5702005	600	400	820

5703 Hammer, Claw



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. The sharp tail has a variety of uses.

Number	Size lb	L mm	g
5703001	3/4	280	387
5703002	1	280	456

5703 Hammer, Claw



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. The sharp tail has a variety of uses.

Number	H g	L mm	g
5703003	125	280	300
5703004	230	280	405
5703005	250	300	437
5703006	350	330	556
5703007	450	345	665
5703008	680	360	905
5703009	910	375	1144

5704 Lightweight Axe



- Products precision casting, hammer head grid design, hammer top with nail magnet, lightweight hollow axe, good toughness, strong impact resistance, light weight, suitable for carrying, reduce labor intensity.

Number	B mm	L mm	g
5704001	55	340	550

5705 Hammer, Drum Type



- Products precision casting, hammer head grid design, hammer top with nail magnet, lightweight hollow axe, good toughness, strong impact resistance, light weight, suitable for carrying, reduce labor intensity.

Number	Size lb	L mm	g
5705001	1/2	300	230
5705002	1	320	450
5705003	1-1/2	320	680
5705004	2	360	910
5705005	3	360	1400
5705006	4	400	1800

5706 Hammer, Flat (Euro Type)



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. The sharp tail has a variety of uses.

Number	Size lb	L mm	g
5706001	1	310	450
5706002	2	320	910
5706003	3	360	1400
5706004	4	400	1800

5707 Hammer, Engineers' Cross Pein



- Used in Aerospace, Aviation, Military, Hospitals, etc. Lightweight, Non-magnetic, Strong and Durable. The sharp tail has a variety of uses.

Number	H g	L mm	g
5707001	500	310	500
5707002	900	350	900





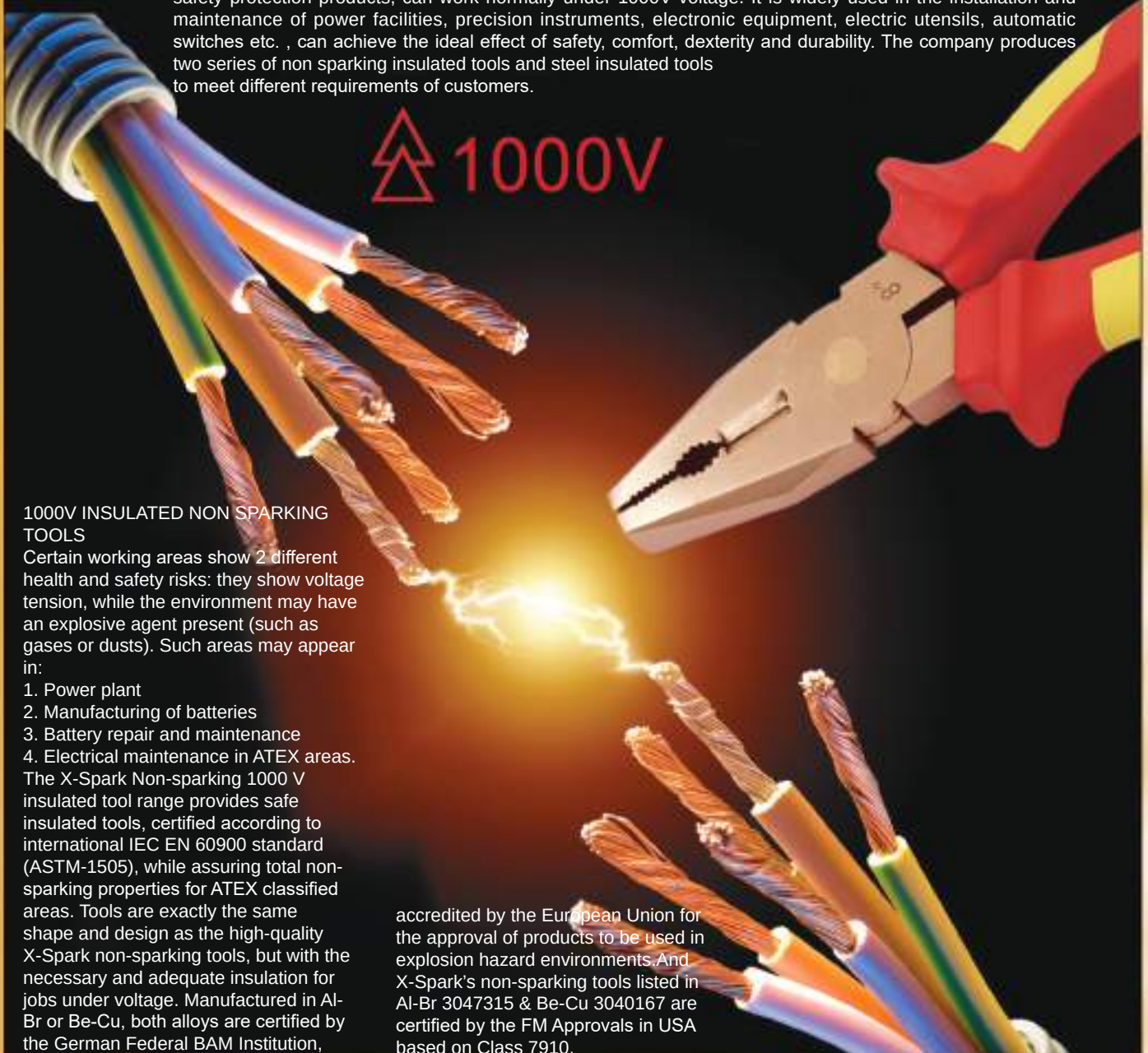
P299-P304

NON-SPARKING INSULATED TOOLS

The main performance indexes of Non-sparking safety tools meet all standards (ISO international standards, German DIN standards, British BS standards, NF standards, etc.)

Process Introduction

Hebei Botou Safety Tools Co., Ltd developed (German DIN standard) insulated tools in 2014, which are safety protection products, can work normally under 1000V voltage. It is widely used in the installation and maintenance of power facilities, precision instruments, electronic equipment, electric utensils, automatic switches etc. , can achieve the ideal effect of safety, comfort, dexterity and durability. The company produces two series of non sparking insulated tools and steel insulated tools to meet different requirements of customers.



1000V INSULATED NON SPARKING TOOLS

Certain working areas show 2 different health and safety risks: they show voltage tension, while the environment may have an explosive agent present (such as gases or dusts). Such areas may appear in:

1. Power plant
2. Manufacturing of batteries
3. Battery repair and maintenance
4. Electrical maintenance in ATEX areas.

The X-Spark Non-sparking 1000 V insulated tool range provides safe insulated tools, certified according to international IEC EN 60900 standard (ASTM-1505), while assuring total non-sparking properties for ATEX classified areas. Tools are exactly the same shape and design as the high-quality X-Spark non-sparking tools, but with the necessary and adequate insulation for jobs under voltage. Manufactured in Al-Br or Be-Cu, both alloys are certified by the German Federal BAM Institution,

accredited by the European Union for the approval of products to be used in explosion hazard environments. And X-Spark's non-sparking tools listed in Al-Br 3047315 & Be-Cu 3040167 are certified by the FM Approvals in USA based on Class 7910.

Non-Sparking Insulated Tools P299-P304

③ 6101001-6606001

6101 Injection Slotted Screwdriver



Number	B mm	L1 mm	L mm	Be-Cu g	Al-Cu g
6101001	3	50	134	35	33
6101002	3	75	159	35	32
6101003	4	75	159	45	42
6101004	4	100	184	45	42
6101005	5	75	180	70	65
6101006	5	100	205	75	70
6101007	6	100	215	85	80
6101008	6	125	240	100	95
6101009	6	150	265	110	105
6101010	7	150	265	125	120
6101011	8	150	277	140	135
6101012	8	200	327	165	155
6101013	9	250	377	185	175

6102 Injection Phillips Screwdriver



Number	Size	L1 mm	L mm	Be-Cu g	Al-Cu g
6102001	PH0(φ3)	50	134	35	32
6102002	PH1(φ4)	75	159	70	63
6102003	PH1(φ5)	100	205	75	70
6102004	PH2(φ6)	125	240	100	95
6102005	PH2(φ6)	150	265	110	105
6102006	PH3(φ8)	200	327	165	155
6102007	PH3(φ8)	250	377	185	170

6103 Injection Electrician Screwdriver



Number	B mm	L1 mm	L mm	Be-Cu g	Al-Cu g
6103001	3	50	134	37	35
6103002	4	75	159	47	45
6103003	5	100	205	95	90
6103004	6	150	265	145	135
6103005	8	200	327	230	210

6104 Hex Screwdriver



Number	Size	L1 mm	L mm	Be-Cu g	Al-Cu g
6104001	T8	75	159	68	66
6104002	T10	75	159	70	68
6104003	T15	75	159	72	70
6104004	T20	100	205	76	73
6104005	T25	125	240	105	100
6104006	T27	150	265	115	110
6104007	T30	150	265	115	110

6201 Injection Pliers, Lineman



Number	Size inch	L mm	Be-Cu g	Al-Cu g
6201001	6	150	180	165
6201002	7	175	355	330
6201003	8	200	465	435

6201 Dipped Pliers, Lineman



Number	Size inch	L mm	Be-Cu g	Al-Cu g
6201004	6	150	180	165
6201005	7	175	355	330
6201006	8	200	465	435

6202 Injection Pliers, Snipe Nose



Number	Size inch	L mm	Be-Cu g	Al-Cu g
6202001	6	150	190	170
6202002	8	200	335	300

6202 Dipped Pliers, Snipe Nose



Number	Size inch	L mm	Be-Cu g	Al-Cu g
6202003	6	150	190	170
6202004	8	200	335	300

6203 Injection Pliers, Diagonal Cutting



Number	Size inch	L mm	Be-Cu g	Al-Cu g
6203001	6	150	245	225
6203002	8	200	410	365

6203 Dipped Pliers, Diagonal Cutting



Number	Size inch	L mm	Be-Cu g	Al-Cu g
6203003	6	150	245	225
6203004	8	200	410	365

6204 Injection Pliers, Round 45 Degree Bent



Number	Size inch	L mm	Be-Cu g	Al-Cu g
6204001	6	150	190	170
6204002	8	200	335	300

6204 Dipped Pliers, Round 45 Degree Bent



Number	Size inch	L mm	Be-Cu g	Al-Cu g
6204003	6	150	190	170
6204004	8	200	335	300

6205 Injection Pliers, Flat Nose



Number	Size inch	L mm	Be-Cu g	Al-Cu g
6205001	6	150	165	151
6205002	8	200	281	257

6205 Dipped Pliers, Flat Nose



Number	Size inch	L mm	Be-Cu g	Al-Cu g
6205003	6	150	165	151
6205004	8	200	281	257

6206 Injection Pliers, Round Nose



Number	Size inch	L mm	Be-Cu g	Al-Cu g
6206001	6	150	190	170
6206002	8	200	335	300

6206 Dipped Pliers, Round Nose



Number	Size inch	L mm	Be-Cu g	Al-Cu g
6206003	6	150	190	170
6206004	8	200	220	210

6207 Injection Wire Stripping Pliers



Number	L mm	Be-Cu g	Al-Cu g
6207001	170	225	205
6207002	200	290	250

6207 Dipped Wire Stripping Pliers



Number	L mm	Be-Cu g	Al-Cu g
6207003	170	225	205
6207004	200	290	250

6208 Dipped Pliers, Slip Joint



Number	Size inch	L mm	Kmax mm	Be-Cu g	Al-Cu g
6208001	8	200	22	315	300
6208002	10	250	32	365	335

6209 Injection Cable Pliers

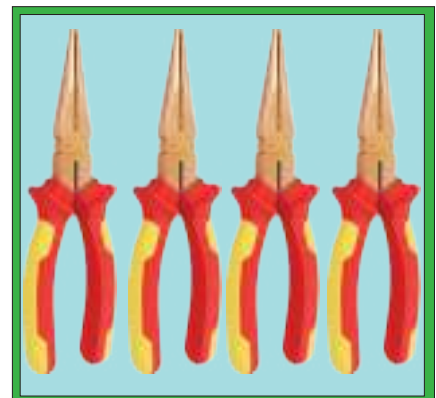


Number	Size inch	L mm	Be-Cu g	Al-Cu g
6209001	10	250	530	482

6301 Injection Socket (C=3/8")



Number	S mm	L1 mm	L mm	Be-Cu g	Al-Cu g
6301001	8	28	44	35	32
6301002	9	28	44	35	32
6301003	10	32	48	50	45
6301004	11	32	48	50	45
6301005	12	32	48	50	45
6301006	13	32	48	50	45
6301007	14	32	48	50	45
6301008	15	32	48	53	48
6301009	16	32	48	58	53
6301010	17	32	48	63	57
6301011	19	32	48	68	62
6301012	20	32	48	77	70



6301 Dipped Socket (C=3/8")



Number	S mm	L1 mm	L mm	Be-Cu g	Al-Cu g
6301013	8	28	44	35	32
6301014	9	28	44	35	32
6301015	10	32	48	50	45
6301016	11	32	48	50	45
6301017	12	32	48	50	45
6301018	13	32	48	50	45
6301019	14	32	48	50	45
6301020	15	32	48	53	48
6301021	16	32	48	58	53
6301022	17	32	48	63	57
6301023	19	32	48	68	62
6301024	20	32	48	77	70

6302 Injection Socket (C=1/2")



Number	S mm	L1 mm	L mm	Be-Cu g	Al-Cu g
6302001	10	40	56	78	71
6302002	11	40	56	79	72
6302003	12	40	56	79	72
6302004	13	40	56	80	73
6302005	14	40	56	80	73
6302006	15	40	56	94	85
6302007	16	40	56	94	85
6302008	17	40	56	94	85
6302009	18	42	58	94	85
6302010	19	42	58	110	100
6302011	20	42	58	120	105
6302012	21	43	59	125	110
6302013	22	43	59	130	115
6302014	23	43	59	150	135
6302015	24	43	59	165	145
6302016	25	43	59	180	160
6302017	26	43	59	200	180
6302018	27	46	62	215	190
6302019	28	46	62	225	200
6302020	29	46	62	235	210
6302021	30	46	62	250	220
6302022	32	46	62	295	260

6302 Dipped Socket (C=1/2")



Number	S mm	L1 mm	L mm	Be-Cu g	Al-Cu g
6302023	10	40	56	78	71
6302024	11	40	56	79	72
6302025	12	40	56	79	72
6302026	13	40	56	80	73
6302027	14	40	56	80	73
6302028	15	40	56	94	85
6302029	16	40	56	94	85
6302030	17	40	56	94	85
6302031	18	42	58	94	85
6302032	19	42	58	110	100
6302033	20	42	58	120	105
6302034	21	43	59	125	110
6302035	22	43	59	130	115
6302036	23	43	59	150	135
6302037	24	43	59	165	145
6302038	25	43	59	180	160
6302039	26	43	59	200	180
6302040	27	46	62	215	190
6302041	28	46	62	225	200
6302042	29	46	62	235	210
6302043	30	46	62	250	220
6302044	32	46	62	295	260

6303 Injection Sliding T Type Wrench



Number	C inch	L mm	H mm	Be-Cu g	Al-Cu g
6303001	3/8	140	200	360	330
6303002	1/2	140	200	440	400

6303 Dipped Sliding T Type Wrench



Number	C inch	L mm	H mm	Be-Cu g	Al-Cu g
6303003	3/8	140	200	360	330
6303004	1/2	140	200	440	400

6304 Dipped Driver Extension



Number	C inch	L1 mm	L mm	Be-Cu g	Al-Cu g
6304001	3/8	75	91	93	80
6304002	3/8	150	166	185	160
6304003	1/2	125	141	260	230
6304004	1/2	250	266	470	425

6305 Dipped Sliding T Handle



Number	C inch	L mm	Be-Cu g	Al-Cu g
6305001	1/2	250	340	310
6305002	3/8	160	135	120

6306 Dipped Sliding T Type Wrench



Number	S mm	L mm	H mm	Be-Cu g	Al-Cu g
6306001	7	120	120	100	90
6306002	9	130	130	155	140
6306003	11	140	150	190	170
6306004	14	150	170	265	240
6306005	17	170	190	410	370
6306006	19	180	210	535	480

6307 Dipped Offset Handle



Number	C inch	L mm	H mm	Be-Cu g	Al-Cu g
6307001	3/8	200	50	314	287
6307002	1/2	230	60	410	380

6308 Dipped Internal Hexagon Socket



Number	S mm	L1 mm	L mm	Be-Cu g	Al-Cu g
6308001	3	55	71	17	16
6308002	4	55	71	17	16
6308003	5	55	71	20	18
6308004	6	55	71	26	23
6308005	7	55	71	30	27
6308006	8	65	81	45	40
6308007	9	65	81	55	50
6308008	10	65	81	65	60

6401 Injection Wrench, Single Open End



Number	S mm	L mm	Be-Cu g	Al-Cu g
6401001	8	95	40	35
6401002	10	100	50	45
6401003	12	110	65	60
6401004	14	140	95	85
6401005	17	160	105	95
6401006	19	170	130	115
6401007	22	195	170	152
6401008	24	220	190	170
6401009	27	240	285	260
6401010	30	260	320	290
6401011	32	275	400	365

6401 Dipped Wrench, Single Open End



Number	S mm	L mm	Be-Cu g	Al-Cu g
6401012	8	95	40	35
6401013	10	100	50	45
6401014	12	110	65	60
6401015	14	140	95	85
6401016	17	160	105	95
6401017	19	170	130	115
6401018	22	195	170	152
6401019	24	220	190	170
6401020	27	240	285	260
6401021	30	260	320	290
6401022	32	275	400	365

6401 Injection Wrench, Single Open End



Number	S mm	L mm	Be-Cu g	Al-Cu g
6401023	8	95	40	35
6401024	10	100	50	45
6401025	12	110	65	60
6401026	14	140	95	85
6401027	17	160	105	95
6401028	19	170	130	115
6401029	22	195	170	152
6401030	24	220	190	170
6401031	27	240	285	260
6401032	30	260	320	290
6401033	32	275	400	365

6402 Injection Wrench, Adjustable

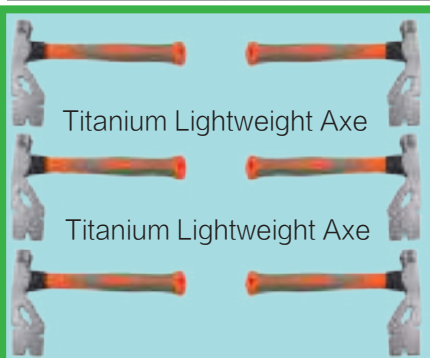


Number	L mm	Kmax mm	Be-Cu g	Al-Cu g
6402001	150	18	135	120
6402002	200	24	281	255
6402003	250	30	440	402
6402004	300	36	720	655

6402 Dipped Wrench, Adjustable



Number	L mm	Kmax mm	Be-Cu g	Al-Cu g
6402005	150	18	135	120
6402006	200	24	281	255
6402007	250	30	440	402
6402008	300	36	720	655



6403 Dipped Wrench, Single Box



Number	S mm	L mm	Be-Cu g	Al-Cu g
6403001	8	110	40	35
6403002	10	120	50	45
6403003	12	130	65	60
6403004	14	140	90	80
6403005	17	155	105	90
6403006	19	170	130	95
6403007	22	190	175	150
6403008	24	215	220	200
6403009	27	230	270	245
6403010	30	255	370	335
6403011	32	265	425	385

6404 Dipped Wrench, Single Box Offset



Number	S mm	L mm	Be-Cu g	Al-Cu g
6404001	10	125	66	60
6404002	12	130	88	80
6404003	14	145	120	110
6404004	17	155	145	130
6404005	19	170	165	150
6404006	22	190	185	165
6404007	24	215	235	210
6404008	27	230	310	270
6404009	30	255	430	380
6404010	32	265	450	400

6405 Dipped Wrench, Hex Key



Number	S mm	L mm	H mm	Be-Cu g	Al-Cu g
6405001	3	59	25	8	7
6405002	4	65	30	10	8
6405003	5	79	32	16	12
6405004	6	85	37	25	20
6405005	7	88	43	34	30
6405006	8	92	44	50	45
6405007	9	97	44	61	55
6405008	10	110	45	82	70
6405009	11	119	48	100	90
6405010	12	130	52	145	130

6406 Dipped Ratchet Wrench



Number	S1 mm	S2 mm	L mm	Be-Cu g	Al-Cu g
6406001	14	17	280	410	370
6406002	17	19	310	450	410
6406003	19	22	345	530	480
6406004	22	24	365	680	620

6407 Dipped Ratchet Wrench



Number	C inch	L mm	Be-Cu g	Al-Cu g
6407001	1/2	245	235	215

6501001 Insulated Tools Set-24pcs



L*W*H:435*400*150mm
AL-CU: G.W.: 4750g
N.W.: 2900g
BE-CU: G.W.: 5040g
N.W.: 3190g

Tools	Description
Wrench Single Open End	10, 11, 12, 13, 14, 17, 19mm
Pliers Lineman	8 "
Pliers Diagonal Cutting	6 "
Screwdriver Slotted	3*50, 4*100, 5*100mm
Screwdriver Phillips	#0*50, #1*75, #2*150, #1*100 mm
Socket 1/2 "	10, 11, 12, 13, 14, 17, 19mm
Sliding T Type Wrench	1/2 "

6501 Dipped Tweezers



Number	L inch	L mm	Be-Cu g
6501002	6	150	45

6502001 Insulated Tools Set-41pcs



Tools	Description
Lineman Pliers	200mm
Diagonal Pliers	160mm
Cable Pliers	250mm
Wire Stripping Pliers	160mm
Slotted Screwdriver	3*75, 4*100, 5*100, 6*150
Phillips Screwdriver	PH1*75, PH2*100
Single Open End Wrench	10, 13, 14, 17, 19, 22mm
Single Box Wrench	10, 13, 14, 17, 19, 22mm
Adjustable Wrench	250mm
Ratchet Wrench	1/2"
Sliding T Type Wrench	1/2"
Driver Extension	1/2**125mm, 1/2**250mm
Socket 1/2 "	10, 11, 12, 13, 14, 16, 17, 18, 19, 22, 24mm
Cable Knife	50*185mm
Scissors	150mm
Insulated Tape	20mm*10m

6601 Dipped Hammer, Ball Pein



Number	S g	L mm	Weight g
6601001	230	280	403
6601002	340	280	502
6601003	450	310	680
6601004	680	340	950
6601005	910	350	1205
6601006	1130	400	1470

6602 Dipped Scissors



Number	L inch	L mm	Be-Cu g
6602001	6	150	120

6603 Injection Cable Knife (Semicircle)



Number	L1 mm	L mm	Be-Cu g
6603001	38	173	80

6604 Injection Cable Knife (Hook Blade)



Number	L1 mm	L mm	Be-Cu g
6604001	50	185	80

6605 Injection Cable Knife (Long Hook)



Number	L1 mm	L mm	Be-Cu g
6605001	50	185	80

6606 Injection Cable Knife (Straight)



Number	L1 mm	L mm	Be-Cu g
6606001	50	185	85



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P305-P318

Insulated Tools P305-P318

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7101 Injection Slotted Screwdriver



Number	B mm	L1 mm	L mm	g
7101001	3	50	134	35
7101002	3	75	159	34
7101003	4	75	159	44
7101004	4	100	184	44
7101005	5	75	180	68
7101006	5	100	205	73
7101007	6	100	215	84
7101008	6	125	240	100
7101009	6	150	265	110
7101010	7	150	265	125
7101011	8	150	277	140
7101012	8	200	327	165
7101013	9	250	377	185

7101 Injection Slotted Screwdriver



Number	B mm	L1 mm	L mm	g
7101014	3	50	134	35
7101015	3	75	159	34
7101016	4	75	159	44
7101017	4	100	184	44
7101018	5	75	180	68
7101019	5	100	205	73
7101020	6	100	215	84
7101021	6	125	240	100
7101022	6	150	265	110
7101023	7	150	265	125
7101024	8	150	277	140
7101025	8	200	327	165
7101026	9	250	377	185

7102 Injection Phillips Screwdriver



Number	Size	L1 mm	L mm	g
7102001	PH0(φ3)	50	134	34
7102002	PH1(φ4)	75	159	66
7102003	PH1(φ5)	100	205	73
7102004	PH2(φ6)	125	240	100
7102005	PH2(φ6)	150	265	110
7102006	PH3(φ8)	200	327	165
7102007	PH3(φ8)	250	377	180

7102 Injection Phillips Screwdriver



Number	Size	L1 mm	L mm	g
7102008	PH0(φ3)	50	134	34
7102009	PH1(φ4)	75	159	66
7102010	PH1(φ5)	100	205	73
7102011	PH2(φ6)	125	240	100
7102012	PH2(φ6)	150	265	110
7102013	PH3(φ8)	200	327	165
7102014	PH3(φ8)	250	377	180

7103 Injection Electrician Screwdriver



Number	B mm	L1 mm	L mm	g
7103001	3	50	134	37
7103002	4	75	153	47
7103003	5	100	205	95
7103004	6	150	265	145
7103005	8	200	327	230

7104 Injection Hex Screwdriver



Number	Size	L1 mm	L mm	g
7104001	T8	75	159	66
7104002	T10	75	159	68
7104003	T15	75	159	70
7104004	T20	100	205	73
7104005	T25	125	240	100
7104006	T27	150	265	110
7104007	T30	150	265	110
7104008	T40	200	327	165
7104009	T45	250	377	180

7201 Injection Pliers, Lineman



Number	Size inch	L mm	g
7201001	6	150	175
7201002	7	175	350
7201003	8	200	455

7201 Dipped Pliers, Lineman



Number	Size inch	L mm	g
7201004	6	150	175
7201005	7	175	350
7201006	8	200	455

7202 Injection Pliers, Snipe Nose



Number	Size inch	L mm	L1 mm	g
7202001	6	150	54	180
7202002	8	200	74	315

7202 Dipped Pliers, Snipe Nose



Number	Size inch	L mm	L1 mm	g
7202003	6	150	54	180
7202004	8	200	74	315

7203 Injection Pliers, Diagonal Cutting



Number	Size inch	L mm	g
7203001	6	150	235
7203002	8	200	385

7203 Dipped Pliers, Diagonal Cutting



Number	Size inch	L mm	g
7203003	6	150	235
7203004	8	200	385

7204 Injection Pliers, Round 45 Degree Bent



Number	Size inch	L mm	g
7204001	6	150	180

7204 Dipped Pliers, Round 45 Degree Bent



Number	Size inch	L mm	g
7204002	6	150	180

7205 Injection Pliers, Flat Nose



Number	Size inch	L mm	g
7205001	6	150	155
7205002	8	200	270

7205 Dipped Pliers, Flat Nose



Number	Size inch	L mm	g
7205003	6	150	155
7205004	8	200	270

7206 Injection Pliers, Round Nose



Number	Size inch	L mm	g
7206001	6	150	155

7206 Dipped Pliers, Round Nose



Number	Size inch	L mm	g
7206002	6	150	155

7207 Injection Wire Stripping Pliers



Number	L mm	g
7207001	170	215

7207 Dipped Wire Stripping Pliers



Number	L mm	g
7207002	170	215

7208 Dipped Pliers, Slip Joint



Number	Size inch	L mm	Kmax mm	⚖ g
7208001	10	250	32	350

7208 Injection Pliers, Slip Joint



Number	Size inch	L mm	Kmax mm	⚖ g
7208002	10	250	32	350

7209 Cable Pliers



Number	L mm	⚖ g
7209001	250	500

7209 Injection Ratchet Cable Cutter



Number	Size inch	L mm	⚖ g
7209002	6"	150	365
7209003	8"	200	486
7209004	9"	230	560

7213 Dipped Bolt Cipper



Number	L mm	⚖ g
7213001	350	995
7213002	450	1470
7213003	600	2360
7213004	900	5600
7213005	1200	8650

7301 Injection Socket (C=3/8")



Number	S mm	L1 mm	L mm	⚖ g
7301001	8	28	44	34
7301002	9	28	44	34
7301003	10	32	48	47
7301004	11	32	48	47
7301005	12	32	48	47
7301006	13	32	48	47
7301007	14	32	48	47
7301008	15	32	48	50
7301009	16	32	48	55
7301010	17	32	48	60
7301011	19	32	48	65
7301012	20	32	48	75

7301 Dipped Socket (C=3/8")



Number	S mm	L1 mm	L mm	⚖ g
7301013	8	28	44	34
7301014	9	28	44	34
7301015	10	32	48	47
7301016	11	32	48	47
7301017	12	32	48	47
7301018	13	32	48	47
7301019	14	32	48	47
7301020	15	32	48	50
7301021	16	32	48	55
7301022	17	32	48	60
7301023	19	32	48	65
7301024	20	32	48	75

7302 Injection Socket (C=1/2")



Number	S mm	L1 mm	L mm	⚖ g
7302001	10	40	56	75
7302002	11	40	56	75
7302003	12	40	56	75
7302004	13	40	56	77
7302005	14	40	56	77
7302006	15	40	56	90
7302007	16	40	56	90
7302008	17	40	56	90
7302009	18	42	58	90
7302010	19	42	58	105
7302011	20	42	58	110
7302012	21	43	59	115
7302013	22	43	59	120
7302014	23	43	59	142
7302015	24	43	59	155
7302016	25	43	59	170
7302017	26	43	59	190
7302018	27	46	62	200
7302019	28	46	62	210
7302020	29	46	62	225
7302021	30	46	62	235
7302022	32	46	62	275

7302 Dipped Socket (C=1/2")



Number	S mm	L1 mm	L mm	g
7302023	10	40	56	75
7302024	11	40	56	75
7302025	12	40	56	75
7302026	13	40	56	77
7302027	14	40	56	77
7302028	15	40	56	90
7302029	16	40	56	90
7302030	17	40	56	90
7302031	18	42	58	90
7302032	19	42	58	105
7302033	20	42	58	110
7302034	21	43	59	115
7302035	22	43	59	120
7302036	23	43	59	142
7302037	24	43	59	155
7302038	25	43	59	170
7302039	26	43	59	190
7302040	27	46	62	200
7302041	28	46	62	210
7302042	29	46	62	225
7302043	30	46	62	235
7302044	32	46	62	275

7303 Injection Sliding T Type Wrench



Number	C inch	L mm	H mm	g
7303001	3/8	140	200	350
7303002	1/2	140	200	420

7303 Dipped Sliding T Type Wrench



Number	C inch	L mm	H mm	g
7303003	3/8	140	200	350
7303004	1/2	140	200	420

7304 Dipped Driver Extension



Number	C inch	L1 mm	L mm	g
7304001	3/8	75	91	85
7304002	3/8	150	166	170
7304003	1/2	125	141	245
7304004	1/2	250	266	450

7304 Injection Driver Extension



Number	C inch	L1 mm	L mm	g
7304005	3/8	75	91	85
7304006	3/8	150	166	170
7304007	1/2	125	141	245
7304008	1/2	250	266	450

7305 Dipped Sliding T Handle



Number	C inch	L mm	g
7305001	3/8	160	125
7305002	1/2	250	325

7306 Dipped Sliding T Type Wrench



Number	S mm	L mm	H mm	g
7306001	7	120	120	95
7306002	9	130	130	150
7306003	11	140	150	180
7306004	14	150	170	255
7306005	17	170	190	390
7306006	19	180	210	510

7306 Injection Sliding T Type Hex Wrench



Number	S mm	L mm	H mm	g
7306007	4	115	200	120
7306008	5	115	200	125
7306009	5.5	115	200	125
7306010	6	115	200	130
7306011	7	115	200	130
7306012	8	115	200	135
7306013	9	115	200	135
7306014	10	115	200	145
7306015	11	115	200	150
7306016	12	115	200	155
7306017	13	115	200	165
7306018	14	115	200	170

7307 Dipped Offset Handle



Number	C inch	L mm	g
7307001	3/8	200	305
7307002	1/2	230	410

7308 Dipped Internal Hexagon Socket



Number	S mm	L1 mm	L mm	g
7308001	3	55	71	17
7308002	4	55	71	17
7308003	5	55	71	20
7308004	6	55	71	25
7308005	7	55	71	30
7308006	8	65	81	45
7308007	9	65	81	55
7308008	10	65	81	65

7308 Dipped Screwdriver Socket 1/4"



Number	S mm	L mm	⚖ g
7308009	3	73	80
7308010	4	73	80
7308011	5	73	80
7308012	6	73	80
7308013	7	73	80

7308 Dipped Screwdriver Socket 1/4"



Number	S mm	L mm	⚖ g
7308014	4	73	80
7308015	5.5	73	80
7308016	7	73	80

7308 Dipped Screwdriver Socket 1/4"



Number	S	L mm	⚖ g
7308017	PH1	73	80
7308018	PH2	73	80
7308019	PH3	73	80

7308 Dipped Screwdriver Socket 1/4"



Number	S	L mm	⚖ g
7308020	PZ1	73	80
7308021	PZ2	73	80
7308022	PZ3	73	80

7308 Dipped Screwdriver Socket 1/4"



Number	S	L mm	⚖ g
7308023	T8	73	80
7308024	T10	73	80
7308025	T15	73	80
7308026	T20	73	80
7308027	T25	73	80
7308028	T30	73	80
7308029	T40	73	80

7308 Dipped Screwdriver Socket 3/8"



Number	S mm	L mm	⚖ g
7308030	4	73	80
7308031	5	73	80
7308032	6	73	80
7308033	8	73	80
7308034	10	73	80

7308 Dipped Screwdriver Socket 3/8"



Number	S mm	L mm	⚖ g
7308035	4	73	80
7308036	5.5	73	80
7308037	7	73	80

7308 Dipped Screwdriver Socket 3/8"



Number	S	L mm	⚖ g
7308038	PH1	73	80
7308039	PH2	73	80
7308040	PH3	73	80

7308 Dipped Screwdriver Socket 3/8"



Number	S	L mm	⚖ g
7308041	PZ1	73	80
7308042	PZ2	73	80
7308043	PZ3	73	80

7308 Dipped Screwdriver Socket 3/8"



Number	S	L mm	⚖ g
7308044	T8	73	80
7308045	T10	73	80
7308046	T15	73	80
7308047	T20	73	80
7308048	T25	73	80
7308049	T30	73	80
7308050	T40	73	80

7308 Dipped Screwdriver Socket 1/2"



Number	S mm	L mm	⚖ g
7308051	4	73	80
7308052	5	73	80
7308053	6	73	80
7308054	8	73	80
7308055	10	73	80

7308 Dipped Screwdriver Socket 1/2"



Number	S mm	L mm	⚖ g
7308056	4	73	80
7308057	5.5	73	80
7308058	7	73	80

7308 Dipped Screwdriver Socket 1/2"



Number	S	L mm	⚖ g
7308059	PH1	73	80
7308060	PH2	73	80
7308061	PH3	73	80

7308 Dipped Screwdriver Socket 1/2"



Number	S	L mm	⚖ g
7308062	PZ1	73	80
7308063	PZ2	73	80
7308064	PZ3	73	80

7308 Dipped Screwdriver Socket 1/2"



Number	S	L mm	⚖ g
7308065	T10	73	80
7308066	T15	73	80
7308067	T20	73	80
7308068	T25	73	80
7308069	T30	73	80
7308070	T40	73	80

7308 Dipped Screwdriver Socket 1/2" (Long Type)



Number	S mm	L mm	g
7308071	4	120	100
7308072	5	120	100
7308073	6	120	100
7308074	8	120	100
7308075	10	120	100

7308 Dipped Screwdriver Socket 1/2" (Long Type)



Number	S mm	L mm	g
7308076	4	120	100
7308077	5.5	120	100
7308078	7	120	100

7308 Dipped Screwdriver Socket 1/2" (Long Type)



Number	S	L mm	g
7308079	PH1	120	100
7308080	PH2	120	100
7308081	PH3	120	100

7308 Dipped Screwdriver Socket 1/2" (Long Type)



Number	S	L mm	g
7308082	PZ1	120	100
7308083	PZ2	120	100
7308084	PZ3	120	100

7308 Dipped Screwdriver Socket 1/2" (Long Type)



Number	S	L mm	g
7308085	T10	120	100
7308086	T15	120	100
7308087	T20	120	100
7308088	T25	120	100
7308089	T30	120	100
7308090	T40	120	100

7309 Injection Screwdriver Socket 1/2" (Long Type)



Number	S mm	L mm	g
7309001	4	120	100
7309002	5	120	100
7309003	6	120	100
7309004	8	120	100
7309005	10	120	100

7309 Injection Screwdriver Socket 1/2" (Long Type)



Number	S mm	L mm	g
7309006	4	120	100
7309007	5.5	120	100
7309008	7	120	100

7309 Injection Screwdriver Socket 1/2" (Long Type)



Number	S	L mm	g
7309009	PH1	120	100
7309010	PH2	120	100
7309011	PH3	120	100

7309 Injection Screwdriver Socket 1/2" (Long Type)



Number	S	L mm	g
7309012	PZ1	120	100
7309013	PZ2	120	100
7309014	PZ3	120	100

7309 Injection Screwdriver Socket 1/2" (Long Type)



Number	S	L mm	g
7309015	T10	120	100
7309016	T15	120	100
7309017	T20	120	100
7309018	T25	120	100
7309019	T30	120	100
7309020	T40	120	100

7310 Injection Driver Nut



Number	S mm	L1 mm	L mm	g
7310001	4	125	240	110
7310002	5	125	240	110
7310003	6	125	240	125
7310004	7	125	240	125
7310005	8	125	240	125
7310006	9	125	240	130
7310007	10	125	240	130
7310008	11	125	252	180
7310009	12	125	252	180
7310010	13	125	252	190
7310011	14	125	252	190

7401 Injection Wrench, Single Open End



Number	S mm	L mm	g
7401001	6	75	10
7401002	7	95	15
7401003	8	95	40
7401004	9	100	50
7401005	10	100	50
7401006	11	110	65
7401007	12	110	65
7401008	13	140	90
7401009	14	140	90
7401010	15	140	90
7401011	16	160	100
7401012	17	160	100
7401013	18	170	120
7401014	19	170	120
7401015	20	170	120
7401016	21	195	160
7401017	22	195	160
7401018	24	220	180
7401019	27	240	270
7401020	30	260	300
7401021	32	275	380

7401 Dipped Wrench, Single Open End



Number	S mm	L mm	△△ g
7401022	6	80	35
7401023	7	95	40
7401024	8	95	40
7401025	9	100	50
7401026	10	100	50
7401027	11	110	65
7401028	12	110	65
7401029	13	140	90
7401030	14	140	90
7401031	15	140	90
7401032	16	160	100
7401033	17	160	100
7401034	18	170	120
7401035	19	170	120
7401036	20	170	120
7401037	21	195	160
7401038	22	195	160
7401039	23	220	180
7401040	24	220	180
7401041	25	220	180
7401042	27	240	270
7401043	28	240	270
7401044	30	260	300
7401045	32	275	380

7401 Injection Wrench, Single Open End



Number	S mm	L mm	△△ g
7401046	6	80	35
7401047	7	95	40
7401048	8	95	40
7401049	9	100	50
7401050	10	100	50
7401051	11	110	65
7401052	12	110	65
7401053	13	140	90
7401054	14	140	90
7401055	15	140	90
7401056	16	160	100
7401057	17	160	100
7401058	18	170	120
7401059	19	170	120
7401060	20	170	120
7401061	21	195	160
7401062	22	195	160
7401063	23	220	180
7401064	24	220	180
7401065	25	220	180
7401066	27	240	270
7401067	28	240	270
7401068	30	260	300
7401069	32	275	380

7402 Injection Wrench, Adjustable



【 Patent number 】 ZL2016303457057

Number	Kmax mm	L mm	△△ g
7402001	18	150	125
7402002	24	200	270
7402003	30	250	420
7402004	36	300	690

7402 Dipped Wrench, Adjustable



Number	Kmax mm	L mm	△△ g
7402005	18	150	125
7402006	24	200	270
7402007	30	250	420
7402008	36	300	690

7402 Insulated Pipe Wrench



Number	Dmax mm	Size mm	△△ g
7402009	20	150	240
7402010	25	200	410
7402011	30	250	720
7402012	40	300	1000
7402013	50	350	1390
7402014	60	450	2160
7402015	75	600	3500
7402016	85	900	6000

7403 Dipped Wrench, Single Box



Number	S mm	L mm	△△ g
7403001	8	110	40
7403002	10	120	50
7403003	12	130	65
7403004	14	140	85
7403005	17	155	95
7403006	19	170	100
7403007	22	190	160
7403008	24	215	210
7403009	27	230	255
7403010	30	255	355
7403011	32	265	405

7404 Dipped Wrench, Single Box Offset



Number	S mm	L mm	△△ g
7404001	10	125	65
7404002	12	130	85
7404003	14	145	115
7404004	17	155	140
7404005	19	170	160
7404006	22	190	175
7404007	24	215	220
7404008	27	230	285
7404009	30	255	400
7404010	32	265	420

7404 Injection Wrench, Single Box Offset



Number	S mm	L mm	△△ g
7404011	10	125	65
7404012	12	130	85
7404013	14	145	115
7404014	17	155	140
7404015	19	170	160
7404016	22	190	175
7404017	24	215	220
7404018	27	230	285
7404019	30	255	400
7404020	32	265	420

7405 Dipped Wrench, Hex Key



Number	S mm	L mm	H mm	Δ g
7405001	3	59	25	7
7405002	4	65	30	8
7405003	5	79	32	12
7405004	6	85	37	20
7405005	7	88	43	30
7405006	8	92	44	50
7405007	9	97	44	60
7405008	10	110	45	75
7405009	11	119	48	95
7405010	12	130	52	140

7406 Dipped Ratchet Wrench



Number	S1 mm	S2 mm	L mm	Δ g
7406001	14	17	280	390
7406002	17	19	310	435
7406003	19	22	345	505
7406004	22	24	365	655

7407 Injection Ratchet Wrench



Number	C inch	L mm	Δ g
7407001	1/2	250	215

7407 Dipped Ratchet Wrench



Number	C inch	L mm	Δ g
7407002	1/2	250	215

7408 Injection Ratchet Wrench



Number	S mm	L mm	Δ g
7408001	8	125	45
7408002	10	140	60
7408003	12	150	90
7408004	14	164	115
7408005	17	184	145
7408006	19	200	200
7408007	22	205	230
7408008	24	220	280
7408009	27	230	360
7408010	30	250	550
7408011	32	310	700

7408 Dipped Ratchet Wrench



Number	S mm	L mm	Δ g
7408012	8	125	45
7408013	10	140	60
7408014	12	150	90
7408015	14	164	115
7408016	17	184	145
7408017	19	200	200
7408018	22	205	230
7408019	24	220	280
7408020	27	230	360
7408021	30	250	550
7408022	32	310	700

7409 Dipped T Type Hex Key Wrench



Number	S mm	H mm	L mm	Δ g
7409001	4	200	90	200
7409002	5	200	90	210
7409003	6	200	90	210
7409004	7	200	90	250
7409005	8	200	90	290
7409006	9	200	90	295
7409007	10	200	90	300

7501001 Insulated Tools Set-24pcs



L*W*H:400*290*90mm

Tools	Description
Wrench,Single Open End	10, 11, 12, 13, 14, 17, 19mm
Pliers, Lineman	8"
Pliers, Diagonal Cutting	6"
Slotted Screwdriver	3*50, 4*100, 5*100mm
Phillips Screwdriver	#0*50, #1*75, #2*150 #1*100mm
Socket 1/2"	10, 11, 12, 13, 14, 17, 19mm
Sliding T Type Wrench	1/2"

7502001 Insulated Tools Set-7pcs



Tools	Description
Pliers, Lineman	200mm
Pliers, Diagonal Cutting	160mm
Pliers, Snipe Nose	200mm
Wire Stripping Pliers	160mm
Slotted Screwdriver	4*100mm
Phillips Screwdriver	#1*75mm
Test Pencil	150mm

7503001 Insulated Tools Set-8pcs



Tools	Description
Pliers, Lineman	200mm
Pliers, Diagonal Cutting	150mm
Pliers, Snipe Nose	200mm
Slotted Screwdriver	4*100mm, 6*150mm
Phillips Screwdriver	#1*75mm, #2*150mm
Test Pencil	150mm

7504001 Insulated Tools Set-41pcs



Tools	Description
Pliers, Lineman	200mm
Pliers, Diagonal Cutting	160mm
Cable Cutter	250mm
Wire Stripping Pliers	160mm
Slotted Screwdriver	3*75, 4*100, 5*100, 6*150mm
Phillips Screwdriver	#1*75, #2*100mm
Single Open End	10, 13, 14, 17, 19, 22mm
Single Box	10, 13, 14, 17, 19, 22mm
Wrench, Adjustable	250mm
Ratchet Wrench	1/2"
Sliding T Type Wrench	1/2"
Driver Extension	1/2" *125mm, 1/2" *250mm
Socket 1/2"	10, 11, 12, 13, 14, 16, 17, 18, 19, 22, 24mm
Electrician Knife	50*180mm
Shears, Cutting	160mm
Insulating Tape	20mm*10m

7505001 Insulated Tools Set-46pcs



Tools	Description
Pliers, Lineman	200mm
Pliers, Diagonal Cutting	160mm
Wire Stripping Pliers	160mm
Cable Cutter	250mm
Pliers, Water Pump	250mm
Single Open End	10, 13, 14, 17, 19, 22mm
Single Box	10, 13, 14, 17, 19, 22mm
Wrench, Adjustable	250mm
Slotted Screwdriver	3*75, 4*100mm, 5*100, 6*150mm
Ratchet Wrench	1/2"
Sliding T Type Wrench	1/2"
Driver Extension	1/2" *125mm, 1/2" *250mm
Socket 1/2"	10, 11, 12, 13, 14, 17, 19, 22, 24mm
Cable Knife	180mm
Knife	160mm
Insulating Clamp	6pcs
Insulating Mat	3pcs

7506001 Insulated Tools Set-11pcs



Tools	Description
Slotted Screwdriver	3*50mm, 4*75mm, 5*100mm, 6*125mm, 6*150mm
Phillips Screwdriver	3*50mm, 4*75mm, 5*100mm, 6*125mm, 6*150mm

7507001 Insulated Tools Set-11pcs



Tools	Description
Socket 1/2 "	10mm, 11mm, 12mm, 14mm, 17mm, 19mm, 22mm, 27mm,
Sliding T Type Wrench	1/2 "
Offset Handle	1/2 "

7508 Insulated Tools Set-5pcs



Number	DESCRIPTION	SPECIFICATION	ΔT g
7508001	Combination plier	6 "	600
	Phillips Screwdriver	PH2*6*100 (+)	
	Slotted Screwdriver	1*5.5*125 (-)	
	Voltage tester		
	Red tape	1000*19*0.05mm	



7509 Insulated Tools Set-7pcs



Number	DESCRIPTION	SPECIFICATION	g
7509001	Long nose plier	6 "	1300
	Combination plier	7 "	
	Diagonal Cutting plier	6 "	
	Phillips Screwdriver	PH2*6*100 (+)	
	Slotted Screwdriver	1*4.5*125 (-)	
	Voltage tester	140mm	
	Red tape	1000*19*0.15mm	

7511 VDE Insulated Tools Set-11pcs



Number	DESCRIPTION	SPECIFICATION	g
7511001	Wire Stripper	6 "	1520
	Diagonal	6 "	
	Long nose plier	6 "	
	Slotted Screwdriver	0.8*4*100 (-)	
	Slotted Screwdriver	1*5.5*125 (-)	
	Phillips Screwdriver	PH2*6*100 (+)	
	Phillips Screwdriver	PH1*4.5*80 (+)	
	Slotted Screwdriver	PH0.4*2.5*75 (-)	
	Voltage tester	140mm	
	Black tape	1000*19*0.05mm	
	Red tape	1000*19*0.05mm	

7513 VDE Insulated Tools Set-13pcs



Number	DESCRIPTION	SPECIFICATION	g
7513001	Long nose plier	6 "	2620
	Combination plier	6 "	
	Diagonal Cutting plier	6 "	
	Wire Stripper	6 "	
	Slotted Screwdriver	0.4*2.5*75 (-)	
	Slotted Screwdriver	0.8*4*100 (-)	
	Slotted Screwdriver	1*5.5*125 (-)	
	Slotted Screwdriver	1.2*6.5*150 (-)	
	Phillips Screwdriver	PH2*6*100 (+)	
	Phillips Screwdriver	PH1*4.5*80 (+)	
	Phillips Screwdriver	PH3*8*150 (+)	
	Voltage tester	140mm	
	Adjustable wrench	6 "	

7510 VDE Insulated Screwdriver Set-8pcs



Number	DESCRIPTION	SPECIFICATION	g
7510001	Slotted Screwdriver	0.4*2.5*75 (-)	720
	Slotted Screwdriver	0.8*4*100 (-)	
	Slotted Screwdriver	1*5.5*125 (-)	
	Slotted Screwdriver	1.2*6.5*150 (-)	
	Phillips Screwdriver	PH2*6*100 (+)	
	Phillips Screwdriver	PH1*4.5*80 (+)	
	Phillips Screwdriver	PH0*3*60 (+)	
	Voltage tester	140mm	

7512 VDE Insulated Tools Set-13pcs



Number	DESCRIPTION	SPECIFICATION	g
7512001	Long nose plier	6 "	2600
	Combination plier	6 "	
	Diagonal Cutting plier	6 "	
	Wire Stripper	6 "	
	H8 Socket bit adaptor handle	H8	
	H10 Socket bit adaptor handle	H10	
	H5 Hexagon wrench	H5	
	H6 Hexagon wrench	H6	
	H8 Hexagon wrench	H8	
	Slotted Screwdriver	1*5.5*125 (-)	
	Phillips Screwdriver	PH2*6*100 (+)	
	Voltage tester	140mm	
	Red tape	1000*19*0.15mm	

7514 VDE Insulated Tools Set-16pcs



Number	DESCRIPTION	SPECIFICATION	g
7514001	Long nose plier	6 "	2660
	Combination plier	8 "	
	Cable plier	10 "	
	Adjustable wrench	8 "	
	Hook blade cable cutter		
	H10 Socket bit adaptor handle	H10	
	H12 Socket bit adaptor handle	H12	
	H5 Hexagon wrench	H5	
	H6 Hexagon wrench	H6	
	H10 Hexagon wrench	H10	
	Slotted Screwdriver	0.8*4*100 (-)	
	Slotted Screwdriver	1*5.5*125 (-)	
	Phillips Screwdriver	PH2*6*100 (+)	
	Phillips Screwdriver	PH1*4.5*80 (+)	
	Voltage tester	140mm	
	Red tape	1000*19*0.15mm	

7515 VDE Insulated Tools Set-42pcs



Number	DESCRIPTION	SPECIFICATION	g
7515001	Combination plier	8 "	9200
	Diagonal Cutting	7 "	
	plierSnipe nose plier	8 "	
	Wire Stripper	6 "	
	Pliers,Round 45Degree Bent	6 "	
	WaterPumpPlier	10 "	
	Cable shear	6 "	
	Adjustable wrench	8 "	
	Scissors	160mm	
	Hook blade cable cutter		
	Voltage tester	140mm	
	Open End Wench	14mm	
	Open End Wench	17mm	
	Open End Wench	19mm	
	Phillips Screwdriver	PH3*150mm	
	Phillips Screwdriver	PH2*100mm	
	Phillips Screwdriver	PH1*80mm	
	Phillips Screwdriver	PH0*60mm	
	Slotted Screwdriver	2.5*75mm	
	Slotted Screwdriver	4*100mm	
	Slotted Screwdriver	5.5*125mm	
	1/2"Dr.6pt Socket	10mm	
	1/2"Dr.6pt Socket	11mm	
	1/2"Dr.6pt Socket	12mm	
	1/2"Dr.6pt Socket	13mm	
	1/2"Dr.6pt Socket	14mm	
	1/2"Dr.6pt Socket	17mm	
	1/2"Dr.6pt Socket	19mm	
	1/2"Dr.6pt Socket	22mm	
	1/2"Dr.6pt Socket	24mm	
	1/2"Dr.6pt Socket	27mm	
	1/2"Dr.6pt Socket	30mm	
	1/2"Dr.6pt Socket	32mm	
	1/2"Dr.Ratchet Wrench	250mm	
	1/2" Dr.T-TypeHandle	200mm	
	1/2" Dr.Driver Extension	125mm	
	1/2" Dr.Driver Extension	250mm	
	1/2" Dr.Socket Hexagon	4mm	
	1/2" Dr.Socket Hexagon	5mm	
	1/2" Dr.Socket Hexagon	6mm	
	1/2" Dr.Socket Hexagon	8mm	
	1/2" Dr.Socket Hexagon	10mm	

7517 VDE Insulated Tools Set-68pcs



Number	DESCRIPTION	SPECIFICATION
7517002	3/8"Dr.6pt Socket	8mm
	3/8"Dr.6pt Socket	10mm
	3/8"Dr.6pt Socket	12mm
	3/8"Dr.6pt Socket	13mm
	3/8"Dr.6pt Socket	14mm
	3/8"Dr.6pt Socket	16mm
	3/8" Dr.6pt Socket	17mm
	3/8" Dr.6pt Socket	18mm
	3/8"Dr.Driver Extension	125mm
	3/8"Dr.Driver Extension	250mm
	3/8"Dr.Ratchet Wrench	200mm
	3/8"Dr.Ratchet Wrench	250mm
	1/2"Dr.T-Type Handle	200mm
	1/2"Dr.Driver Extension	125mm
	1/2"Dr.Driver Extension	250mm
	1/2"Dr.6pt Socket	10mm
	1/2"Dr.Socket Hexagon	11mm
	1/2"Dr.Socket Hexagon	12mm
	1/2"Dr.Socket Hexagon	13mm
	1/2"Dr.Socket Hexagon	14mm
	1/2"Dr.Socket Hexagon	16mm
	1/2"Dr.Socket Hexagon	17mm
	1/2"Dr.Socket Hexagon	19mm
	1/2"Dr.Socket Hexagon	21mm
	1/2"Dr.Socket Hexagon	22mm
	1/2"Dr.Socket Hexagon	24mm
	1/2"Dr.Socket Hexagon	4mm
	1/2"Dr.Socket Hexagon	5mm
	1/2"Dr.Socket Hexagon	6mm
	1/2"Dr.Socket Hexagon	8mm

Number	DESCRIPTION	SPECIFICATION	g
7517002	1/2" Dr.Socket Hexagon	10mm	86200
	Open End Wrench	8mm	
	Open End Wrench	10mm	
	Open End Wrench	12mm	
	Open End Wrench	13mm	
	Open End Wrench	14mm	
	Open End Wrench	15mm	
	Open End Wrench	16mm	
	Open End Wrench	17mm	
	Open End Wrench	18mm	
	Open End Wrench	19mm	
	Open End Wrench	21mm	
	Open End Wrench	22mm	
	Open End Wrench	24mm	
	Adjustable Wrench	8 "	
	Phillips Scwdrive	#0*60mm	
	Phillips Scwdrive	#1*80mm	
	Phillips Scwdrive	#2*100mm	
	Slotted Scwdrive	2.5*75mm	
	Slotted Scwdrive	4*100mm	
	SlottedScwdrive	5.5*125mm	
	Single BoxWrench	8mm	
	Single BoxWrench	10mm	
	Single BoxWrench	12mm	
	Single BoxWrench	13mm	
	Single BoxWrench	14mm	
	Single BoxWrench	15mm	
	Single BoxWrench	16mm	
	Single BoxWrench	17mm	
	Single BoxWrench	18mm	
	Single BoxWrench	19mm	
	Single BoxWrench	21mm	
	Single BoxWrench	22mm	
	Single BoxWrench	24mm	
	Diagonal C	7 "	
	Cyting Pliers Snipe Nose pliers	8 "	
	Combination plier	8 "	
	Cable Knife(Long Hook)		

7516 VDE Insulated Tools Set-21pcs



Number	DESCRIPTION	SPECIFICATION	g
7516001	1/2"Socket 6 pt	10,11,12,13,14,15,17,19,22,24,27,30,32,	4940
	1/2"Ratchet Wrench	250mm	
	1/2"T-Type Handle	250mm	
	1/2"Driver Extension	125mm	
	1/2"Driver Extension	250mm	
	1/2"Hexagon Socket	4,5,6,8,10	

7517 VDE Insulated Tools Set-16pcs



Number	DESCRIPTION	SPECIFICATION	g
7517001	3/8"Socket 6 pt	8,10,12,13,14,17,19,22	2660
	3/8"Ratchet Wrench	200mm	
	3/8"T-Type Handle	200mm	
	3/8"Driver Extension	125mm	
	3/8"Driver Extension	250mm	
	3/8"Hexagon Socket	4,5,6,8,	

7518 VDE Slotted Screwdriver



- Made from 6150 CR-V. Hardness:HRC58-63.
- The handle is designed according to manual mechanics, comfortable to hold.
- Germany VDE certificate, withstand voltage of 1000.

Number	Size	H mm	L mm	PC Box
7518001	2.5*75	0.4	173	120
7518002	3*100	0.6	198	120
7518003	4*100	0.8	198	120
7518004	5.5*125	1	230	120
7518005	6.5*150	1.2	260	120
7518006	8*175	1.6	294	120

7519 VDE Long Phillips Screwdriver



- Made from 6150 CR-V. Hardness:HRC58-63.
- The handle is designed according to manual mechanics, comfortable to hold.
- Germany VDE certificate, withstand voltage of 1000.

Number	Size	D mm	L mm	PC Box
7519001	PH0*100	3	198	120
7519002	PH1*150	4.5	255	120
7519003	PH2*175	6	285	120
7519004	PH3*200	8	319	120

7520 VDE Long Pozidriv Screwdriver



- Made from 6150 CR-V. Hardness:HRC58-63.
- The handle is designed according to manual mechanics, comfortable to hold.
- Germany VDE certificate, withstand voltage of 1000.

Number	Size	H mm	L mm	PC Box
7520001	PZ0*100	3	198	120
7520002	PZ1*150	4.5	255	120
7520003	PZ2*175	6	285	120
7520004	PZ3*200	8	319	120

7521 VDE Phillips Screwdriver



- Made from 6150 CR-V. Hardness:HRC58-63.
- The handle is designed according to manual mechanics, comfortable to hold.
- Germany VDE certificate, withstand voltage of 1000.

Number	Size	D mm	L mm	PC Box
7521001	PH0*60	3	158	120
7521002	PH1*80	4.5	185	120
7521003	PH2*100	6	220	120
7521004	PH3*150	8	269	120

7522 VDE Pozidriv Screwdriver



- Made from 6150 CR-V. Hardness:HRC58-63.
- The handle is designed according to manual mechanics, comfortable to hold.
- Germany VDE certificate, withstand voltage of 1000.

Number	Size	D mm	L mm	PC Box
7522001	PZ0*60	3	158	120
7522002	PZ1*80	4.5	185	120
7522003	PZ2*100	6	220	120
7522004	PZ3*150	8	269	120

7523 Injection Socket Screwdriver



- Made from 6150 CR-V. Hardness:HRC58-63.
- The handle is designed according to manual mechanics, comfortable to hold.
- Germany VDE certificate, withstand voltage of 1000.

Number	S mm	L(ROD) mm	L(Handle) mm	g
7523001	4	125	110	98
7523002	5	125	110	98
7523003	5.5	125	110	100
7523004	6	125	110	100
7523005	7	125	110	100
7523006	8	125	110	106
7523007	9	125	110	110
7523008	10	125	120	115
7523009	11	125	120	160
7523010	12	125	120	160
7523011	13	125	120	165
7523012	14	125	120	170

7601 Dipped Hacksaw



Number	Size	L mm	⚖ g
7601001	300	470	825

7602 Dipped Tweezers



Number	L inch	L mm	⚖ g
7602001	6	150	45

7603 Injection Scissors



Number	L mm	⚖ g
7603001	150	100

7604 Injection Knife



Number	Size	⚖ g
7604001	50*180	85

7605 Insulated Tape



Number	Size	⚖ g
7605001	20mm*10m	85

7606 Test Pencil



Number	Insulation V	L mm	⚖ g
7606001	12-250	140	25

7607 Dipped File, Flat



Number	L inch	L mm	⚖ g
7607001	8	200	210
7607002	10	250	280
7607003	12	300	370

7608 Dipped File, Half Round



Number	L inch	L mm	⚖ g
7608001	8	200	210
7608002	10	250	280
7608003	12	300	370



**Insulating Tools
Ensuring Safety**



Wrenches/Pliers  **N**  Hex Key/Pipe Wrench

Stainless Steel Antimagnetic Tools

P319-P334



INOX (STAINLESS STEEL) TOOLS

PROPERTY REQUIRED

Zero or low tolerance to contamination and particles.
Avoiding premature rust of parts by particle contamination.
Increasing tool lifetime.

WHERE NEEDED

Sterile production in critical environments.
Using tools on Stainless Steel components such as screws, nuts, washers, pipes, bars, etc.
Corrosive environments.

SECTORS

Laboratories, Biotech and biomedical, Cleanrooms, Pharmaceutical, Nutrient production, Nuclear industry, Silicone wafer production, Food processing, Wet process facilities, Ship building, Construction, Manufacturing, Automotive, Aeronautics, Marine applications, Power, Chemical Industries, Naval (vessels /ship maintenance), Subaquatic, Offshore (Oil & Gas/ Wind Power...), Nuclear Power plants, Chemical industries, Humid environments, Wet processing, Water desalination, Salt production, Water treatment plants.

WHY NOT CARBON STEEL

They can only be sterilized few dozens of times, as the chrome plating used to avoid rust will deteriorate and chip off with time, contaminating the process.

Carbon steel tools can leave small particles on stainless steel components, which will get contaminated, and make them rust.

Carbon steel tools, even when they are chrome plated, will rust quickly in highly corrosive areas, leaving them unusable and having to replace them frequently.

WHY STAINLESS STEEL

Materials and finishing used in their production enables sterilizing them thousands of times.

Stainless steel tools will not contaminate other SS components and thus not make them get rusted.

Stainless steel is a low carbon steel enriched with above 10% chromium, which allows the formation of an invisible chromium oxide layer that protects the core from rusting. Even when the layer is damaged chemically or mechanically, the oxygen of the environment will repair the layer again.

QF420	QF304	QF316
Advantages: High mechanical energy, good hardness; Disadvantages: corrosion resistance relative to other stainless steel is poor, magnetic.	Advantages: Excellent heat and corrosion resistance, no magnetic, good mechanical strength. Disadvantages: Low hardness	Advantages: Heat resistance, acid resistance, alkali corrosion resistance is very good, no magnetic. Disadvantages: Hardness relative to other stainless steel is lower.

Open End Wrench P319-P324

33 8101001-8106018

8101 Wrench,Combination



(G)

DIN 3113

Number	S mm	L mm	g
8101001	5	105	20
8101002	5.5	105	20
8101003	6	105	20
8101004	7	120	28
8101005	8	120	28
8101006	9	135	46
8101007	10	135	46
8101008	11	150	66
8101009	12	150	60
8101010	13	175	85
8101011	14	175	83
8101012	15	190	136
8101013	16	190	132
8101014	17	190	111
8101015	18	215	165

8101 Wrench,Combination



(G)

Number	S mm	L mm	g
8101016	19	215	168
8101017	20	215	155
8101018	21	250	240
8101019	22	250	237
8101020	23	270	300
8101021	24	270	299
8101022	25	270	290
8101023	26	295	395
8101024	27	295	392
8101025	28	295	395
8101026	29	330	500
8101027	30	330	495
8101028	32	350	727
8101029	34	390	849
8101030	35	390	820
8101031	36	390	810
8101032	38	430	1230
8101033	41	430	1203
8101034	42	430	1160
8101035	46	480	1553
8101036	50	520	2122
8101037	55	560	2359
8101038	60	595	2718
8101039	65	615	3321
8101040	70	630	3750

8101 Wrench,Combination



(G)

DIN 3113

Number	S mm	L mm	g
8101041	6	130	30
8101042	8	140	55
8101043	10	155	75
8101044	12	175	90
8101045	14	195	130
8101046	17	210	170
8101047	19	230	220
8101048	22	260	290
8101049	24	285	355
8101050	27	310	450
8101051	30	335	550
8101052	32	365	685
8101053	36	390	900

8101 Wrench,Combination

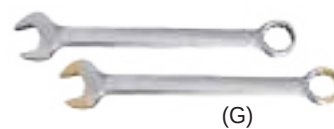


(G)

DIN 3113

Number	S mm	L mm	g
8101054	5	105	15
8101055	5.5	105	15
8101056	6	105	15
8101057	7	120	23
8101058	8	120	29
8101059	9	135	45
8101060	10	135	37
8101061	11	150	54
8101062	12	150	51
8101063	13	175	75
8101064	14	175	72
8101065	15	190	121
8101066	16	190	121
8101067	17	190	103
8101068	18	215	145
8101069	19	215	151
8101070	20	215	167
8101071	21	250	246
8101072	22	250	244
8101073	23	270	330

8101 Wrench,Combination

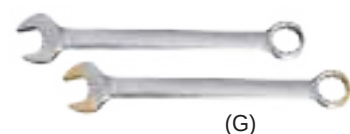


(G)

DIN 3113

Number	S mm	L mm	g
8101074	24	270	304
8101075	25	270	305
8101076	26	295	367
8101077	27	295	403
8101078	28	295	399
8101079	29	330	471
8101080	30	330	471
8101081	32	350	647
8101082	34	390	984
8101083	35	390	1001
8101084	36	390	979
8101085	38	430	1299
8101086	41	430	1295
8101087	42	430	1263
8101088	46	480	1700
8101089	50	520	2340
8101090	55	560	2640
8101091	60	595	3265
8101092	65	615	3755
8101093	70	630	5190

8101 Wrench,Combination Long Type

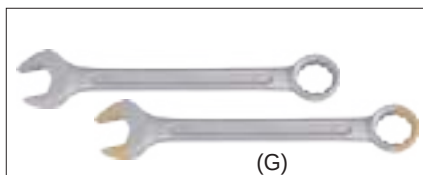


(G)

DIN 3113

Number	S mm	L mm	g
8101094	6	130	30
8101095	8	140	55
8101096	10	155	75
8101097	12	175	90
8101098	14	195	130
8101099	17	210	170
8101100	19	230	220
8101101	22	260	290
8101102	24	285	355
8101103	27	310	450
8101104	30	335	550
8101105	32	365	685
8101106	36	390	900

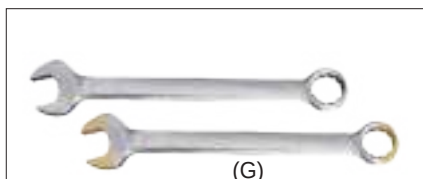
8101 Wrench,Combination Inch



DIN 3113

Number	S inch	L mm	△ g
8101107	1/4	105	20
8101108	5/16	120	30
8101109	11/32	135	40
8101110	3/8	135	40
8101111	7/16	150	60
8101112	1/2	175	85
8101113	9/16	175	85
8101114	5/8	195	120
8101115	11/16	195	120
8101116	3/4	215	150
8101117	15/16	265	290
8101118	1	290	400
8101119	1-1/16	290	400
8101120	1-3/16	320	510
8101121	1-5/16	360	820

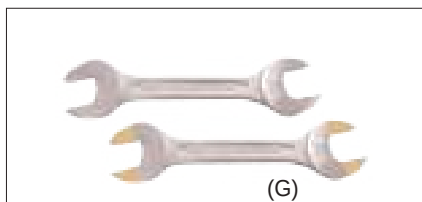
8101 Wrench,Combination Inch



DIN 3113

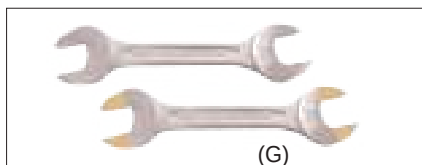
Number	S inch	L mm	△ g
8101122	1/4	105	15
8101123	5/16	120	25
8101124	11/32	135	40
8101125	3/8	135	40
8101126	7/16	150	55
8101127	1/2	175	70
8101128	9/16	175	70
8101129	5/8	195	115
8101130	11/16	195	115
8101131	3/4	215	150
8101132	25/32	215	150
8101133	13/16	215	150
8101134	7/8	245	235
8101135	15/16	265	300
8101136	1-1/16	290	380
8101137	1-1/8	320	490
8101138	1-3/16	320	490
8101139	2	520	2340

8102 Wrench,Double Open End



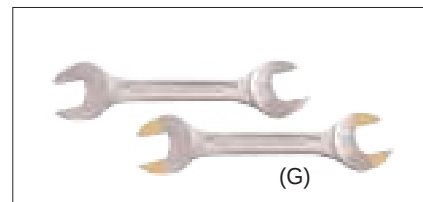
Number	S1*S2 mm	L mm	△ g
8102001	5.5*7	95	21
8102002	6*7	95	22
8102003	6*8	95	22
8102004	7*8	105	31
8102005	7*9	105	31
8102006	8*9	105	40
8102007	8*10	115	38
8102008	9*10	115	45
8102009	9*11	115	44
8102010	10*11	125	50
8102011	10*12	125	53
8102012	10*13	125	60
8102013	10*14	125	70
8102014	11*13	135	80
8102015	12*13	135	85
8102016	12*14	145	86
8102017	13*14	145	95

8102 Wrench,Double Open End



Number	S1*S2 mm	L mm	△ g
8102018	13*15	145	95
8102019	13*17	155	102
8102020	14*15	155	125
8102021	14*16	155	100
8102022	14*17	155	100
8102023	16*16	165	140
8102024	16*17	165	140
8102025	16*18	165	142
8102026	17*18	175	140
8102027	17*19	175	138
8102028	17*21	175	148
8102029	18*19	175	180
8102030	18*20	195	187
8102031	19*21	195	195
8102032	19*22	195	207
8102033	19*24	210	235
8102034	20*22	210	220
8102035	21*23	210	226

8102 Wrench,Double Open End



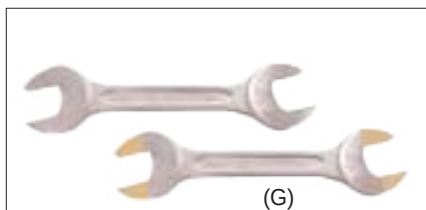
Number	S1*S2 mm	L mm	△ g
8102036	21*26	220	250
8102037	22*24	220	249
8102038	22*26	240	280
8102039	22*27	240	260
8102040	23*26	240	255
8102041	24*26	240	350
8102042	24*27	240	345
8102043	24*30	260	430
8102044	25*28	260	420
8102045	26*28	260	420
8102046	27*30	270	570
8102047	26*32	270	590
8102048	27*32	270	580
8102049	30*32	270	593
8102050	30*36	300	780
8102051	32*34	300	790
8102052	32*36	300	819
8102053	34*36	300	819
8102054	36*38	330	1042
8102055	36*41	330	1057
8102056	38*40	330	1040
8102057	41*46	370	1230

8102 Wrench,Double Open End Long Type



Number	S1*S2 mm	L mm	△ g
8102058	6*7	125	35
8102059	8*10	135	46
8102060	10*12	150	70
8102061	12*14	160	90
8102062	14*17	175	140
8102063	17*19	190	163
8102064	19*22	205	205
8102065	22*24	220	270
8102066	24*27	235	370
8102067	27*30	260	495
8102068	30*32	280	610
8102069	32*34	300	900
8102070	32*36	315	1400
8102071	36*41	355	1700

8102 Wrench, Double Open End Inch



Number	S1*S2 inch	L mm	△ g
8102072	7/16*1/2	130	60
8102073	1/2*5/8	150	100
8102074	9/16*5/8	150	100
8102075	5/8*3/4	170	150
8102076	11/16*3/4	170	170

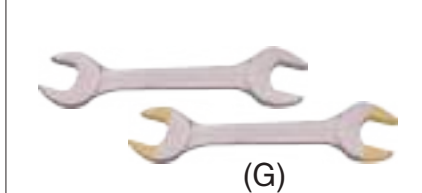
8102 Wrench, Double Open End



DIN 3110

Number	S1*S2 mm	L mm	△ g
8102077	5*5.5	95	25
8102078	5*7	95	25
8102079	5.5*7	95	25
8102080	6*7	95	25
8102081	7*9	105	47
8102082	8*9	105	50
8102083	8*10	115	49
8102084	9*11	115	66
8102085	10*11	125	66
8102086	10*12	125	64
8102087	10*14	125	60
8102088	11*13	135	90
8102089	12*13	135	90
8102090	12*14	145	95
8102091	13*14	145	95
8102092	13*15	145	107
8102093	13*16	155	107
8102094	13*17	155	105
8102095	14*15	155	105
8102096	14*17	155	103
8102097	16*17	165	147
8102098	16*18	165	145
8102099	17*19	175	180

8102 Wrench, Double Open End



DIN 3110

Number	S1*S2 mm	L mm	△ g
8102100	18*19	175	180
8102101	17*21	175	180
8102102	19*21	195	205
8102103	19*22	195	200
8102104	19*24	210	270
8102105	19*25	210	268
8102106	20*22	210	268
8102107	21*23	210	265
8102108	22*23	220	285
8102109	22*24	220	263
8102110	21*26	220	285
8102111	22*27	240	375
8102112	23*26	240	373
8102113	24*27	240	373
8102114	25*28	260	470
8102115	24*30	260	470
8102116	26*32	270	560
8102117	27*30	270	557
8102118	28*32	270	725
8102119	30*32	270	724
8102120	30*36	300	920
8102121	32*34	300	920
8102122	32*36	300	919
8102123	34*36	300	920
8102124	36*41	330	1010
8102125	41*46	370	1240

8102 Wrench, Double Open End Long Type



DIN 3110

Number	S1*S2 mm	L mm	△ g
8102126	8*10	135	50
8102127	10*12	150	80
8102128	12*14	160	100
8102129	14*17	175	155
8102130	17*19	190	180
8102131	19*22	205	225
8102132	22*24	220	300
8102133	24*27	235	410
8102134	27*30	260	545
8102135	30*32	280	670
8102136	32*36	315	990
8102137	36*41	355	1540
8102138	41*46	390	1870

8102 Wrench, Double Open End Inch



DIN 3110

Number	S inch	L mm	△ g
8102139	3/8*7/16	165	80
8102140	7/16*1/2	180	90
8102141	1/2*9/16	180	90
8102142	9/16*5/8	195	120
8102143	5/8*11/16	210	160
8102144	11/16*3/4	210	160
8102145	11/16*13/16	225	190
8102146	3/4*7/8	225	190
8102147	7/8*15/16	250	270

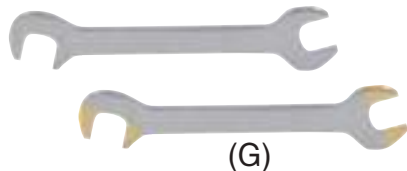
8102 Wrench, Double Open End Mini Type



(G)

Number	S mm	L mm	H mm	g
8102148	3	69	2.8	6
8102149	4	69	2.8	6
8102150	4.5	69	2.8	6
8102151	5	77.3	2.8	9
8102152	5.5	77.3	2.8	9
8102153	6	77.3	2.8	9
8102154	7	89.5	2.8	13
8102155	8	95.5	2.8	24
8102156	9	103.8	2.8	30
8102157	10	103.8	2.8	30
8102158	11	115.2	2.8	38

8102 Wrench, Double Open End Mini Type Inch



(G)

Number	S inch	L mm	H mm	g
8102159	1/8	69	2.8	6
8102160	5/32	69	2.8	6
8102161	3/16	69	2.8	6
8102162	7/32	77.3	2.8	9
8102163	15/64	77.3	2.8	9
8102164	1/4	77.3	2.8	9
8102165	9/32	89.5	2.8	13
8102166	5/16	95.5	2.8	24

8103 Wrench, Single Open End



(G)

DIN 894

Number	S mm	L mm	g
8103001	8	95	14
8103002	9	105	25
8103003	10	105	25
8103004	11	125	35
8103005	12	125	34
8103006	13	140	55
8103007	14	140	55
8103008	15	140	55
8103009	16	160	70
8103010	17	160	69
8103011	19	170	114
8103012	21	195	140
8103013	22	195	144
8103014	23	220	195
8103015	24	220	203
8103016	26	240	275
8103017	27	240	272

8103 Wrench, Single Open End



(G)

Number	S mm	L mm	g
8103018	30	260	339
8103019	32	275	389
8103020	34	290	426
8103021	35	310	530
8103022	36	310	525
8103023	38	330	590
8103024	41	345	621
8103025	42	345	600
8103026	44	375	850
8103027	46	375	846
8103028	50	410	1070
8103029	55	450	1570
8103030	58	490	1800
8103031	60	490	1800
8103032	65	530	2000
8103033	70	570	3000
8103034	75	610	3150

8103 Wrench, Single Open End Inch

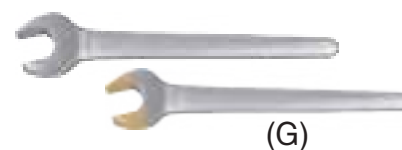


(G)

DIN 894

Number	S inch	L mm	g
8103035	3/16	75	12
8103036	7/32	75	12
8103037	1/4	75	12
8103038	7/16	125	45
8103039	9/16	140	55
8103040	11/16	160	85
8103041	3/4	170	90
8103042	1-1/8	260	260
8103043	1-3/8	310	510

8103 Wrench, Single Open End

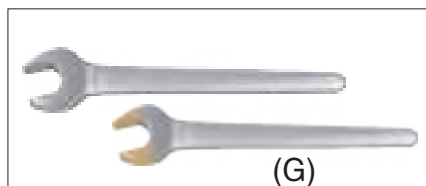


(G)

DIN 894

Number	S mm	L mm	g
8103044	3	95	10
8103045	5	95	10
8103046	6	95	20
8103047	7	95	20
8103048	8	95	20
8103049	9	125	40
8103050	10	125	38
8103051	11	125	40
8103052	12	125	40
8103053	13	140	75
8103054	14	140	75
8103055	15	140	75
8103056	16	160	115
8103057	17	160	114
8103058	18	170	124
8103059	19	170	122
8103060	20	170	122
8103061	21	195	176
8103062	22	195	176

8103 Wrench, Single Open End



(G)

DIN 894

Number	S mm	L mm	ΔT g
8103063	23	220	250
8103064	24	220	250
8103065	25	220	248
8103066	26	240	322
8103067	27	240	322
8103068	28	240	320
8103069	29	260	472
8103070	30	260	470
8103071	31	260	470
8103072	32	260	470
8103073	33	290	580
8103074	34	290	580
8103075	35	310	600
8103076	36	310	600

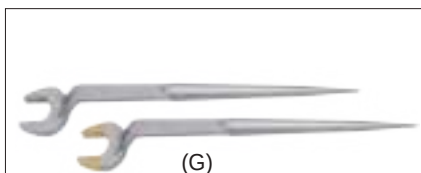
8104 Wrench, Construction With Pin



(G)

Number	S mm	L mm	ΔT g
8104001	17	220	128
8104002	19	240	240
8104003	22	260	263
8104004	24	280	305
8104005	27	300	370
8104006	30	320	464
8104007	32	340	502
8104008	36	360	750
8104009	41	380	960
8104010	46	400	1138

8105 Wrench, Construction, Offset Type With Pin



(G)

Number	S mm	L mm	ΔT g
8105001	17	320	196
8105002	19	350	299
8105003	22	350	366
8105004	24	370	472
8105005	27	370	572
8105006	30	400	788
8105007	32	400	890
8105008	36	430	1012
8105009	41	470	1310
8105010	46	500	1618

8106 Wrench, Striking Open



(G)

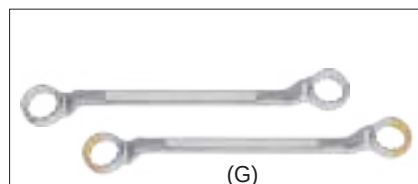
DIN 133

Number	S mm	L mm	ΔT g
8106001	17	125	132
8106002	19	125	130
8106003	22	135	172
8106004	24	150	217
8106005	27	175	403
8106006	30	190	487
8106007	32	190	543
8106008	36	210	731
8106009	38	220	880
8106010	41	230	991
8106011	46	250	1181
8106012	50	275	1525
8106013	55	305	1960
8106014	60	315	2458
8106015	65	335	3142
8106016	70	370	4060
8106017	75	375	4400
8106018	80	400	5540

Box End Wrench P324-P327

34 8107001-8114012

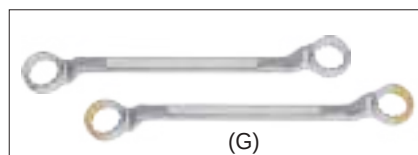
8107 Wrench, Double Box Offset



(G)

Number	S1*S2 mm	L mm	ΔT g
8107001	5.5*7	170	23
8107002	6*7	170	23
8107003	6*8	170	38
8107004	7*8	180	36
8107005	7*9	180	36
8107006	8*9	180	48
8107007	8*10	190	47
8107008	9*11	190	52
8107009	10*11	200	51
8107010	10*12	200	47
8107011	10*13	220	68
8107012	10*14	220	67
8107013	11*13	220	66
8107014	12*13	220	66
8107015	12*14	220	74

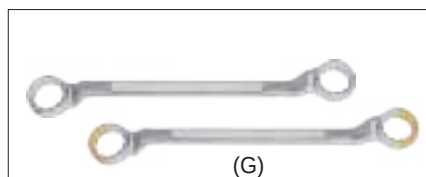
8107 Wrench, Double Box Offset



(G)

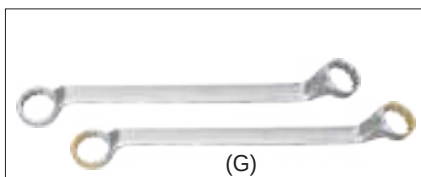
Number	S1*S2 mm	L mm	ΔT g
8107016	13*14	220	85
8107017	13*15	220	90
8107018	13*16	220	125
8107019	13*17	220	130
8107020	14*15	220	135
8107021	14*17	220	135
8107022	16*17	220	200
8107023	16*18	220	159
8107024	17*19	250	225
8107025	17*22	250	227
8107026	18*19	250	227
8107027	18*20	280	264
8107028	18*21	280	262
8107029	19*21	280	262
8107030	19*22	280	261
8107031	20*22	295	330
8107032	21*22	295	340

8107 Wrench, Double Box Offset



Number	S1*S2 mm	L mm	ΔΔ g
8107033	21*23	305	328
8107034	19*24	305	328
8107035	21*24	305	320
8107036	22*24	305	315
8107037	21*26	330	426
8107038	24*27	330	426
8107039	24*30	330	477
8107040	25*28	330	477
8107041	27*30	330	477
8107042	26*32	360	609
8107043	30*32	360	656
8107044	32*34	395	913
8107045	30*36	395	930
8107046	32*36	395	930
8107047	34*36	435	1095
8107048	36*41	435	1601
8107049	38*40	435	1365
8107050	38*41	435	1398
8107051	41*46	460	1947

8107 Wrench, Double Box Offset



DIN 838

Number	S mm	L mm	ΔΔ g
8107067	6*7	170	50
8107068	8*9	190	60
8107069	8*10	190	61
8107070	9*11	200	80
8107071	10*11	200	85
8107072	10*12	200	90
8107073	10*14	220	105
8107074	12*13	220	115
8107075	12*14	220	112
8107076	13*15	255	170
8107077	14*16	255	170
8107078	14*17	255	177
8107079	15*17	255	180
8107080	16*17	280	200
8107081	16*18	280	210
8107082	18*19	280	210
8107083	17*19	280	207

8107 Wrench, Double Box Offset Long Type



(G)

DIN 838

Number	S1*S2 mm	L mm	ΔΔ g
8107100	8*10	200	63
8107101	10*12	215	113
8107102	12*14	235	143
8107103	14*17	250	180
8107104	17*19	270	200
8107105	19*22	290	250
8107106	22*24	310	305
8107107	24*27	335	430
8107108	27*30	360	520
8107109	30*32	385	650
8107110	32*36	415	810
8107111	36*41	445	1035
8107112	41*46	475	1215
8107113	46*50	505	1755

8107 Wrench, Double Box Offset Long Type



Number	S1*S2 mm	L mm	ΔΔ g
8107052	6*7	185	36
8107053	8*10	200	54
8107054	10*12	215	90
8107055	12*14	235	117
8107056	14*17	250	194
8107057	17*19	270	243
8107058	19*22	290	342
8107059	22*24	310	387
8107060	24*27	335	513
8107061	27*30	360	621
8107062	30*32	385	720
8107063	32*36	415	1080
8107064	36*41	445	1323
8107065	41*46	475	2115
8107066	46*50	505	2520

8107 Wrench, Double Box Offset



Number	S mm	L mm	ΔΔ g
8107084	17*22	300	270
8107085	19*20	300	280
8107086	19*22	300	285
8107087	20*22	300	280
8107088	19*24	320	346
8107089	21*23	330	375
8107090	22*24	330	375
8107091	24*27	340	465
8107092	24*30	350	590
8107093	25*28	350	590
8107094	27*30	350	595
8107095	30*32	370	700
8107096	32*36	430	1139
8107097	34*36	430	1110
8107098	36*41	470	1600
8107099	41*46	500	1660

8107 Wrench, Double Box Offset S Type



Number	S mm	L mm	ΔΔ g
8107114	6*7	90	50
8107115	6*8	90	50
8107116	8*10	100	55
8107117	10*12	110	75
8107118	12*14	125	95
8107119	14*17	140	120
8107120	17*19	170	170
8107121	19*22	185	190
8107122	22*24	210	220
8107123	24*27	225	330
8107124	27*30	250	500
8107125	30*32	275	630

8108 Wrench, Double Flat Box



(G)

DIN 837

Number	S mm	L mm	ΔT g
8108001	5*5.5	95	20
8108002	6*7	95	20
8108003	8*10	115	34
8108004	9*11	125	52
8108005	10*11	140	50
8108006	10*12	140	50
8108007	12*14	145	74
8108008	13*15	165	100
8108009	14*17	165	99
8108010	17*19	185	125
8108011	19*22	200	166
8108012	20*22	200	180
8108013	22*24	220	219
8108014	24*27	255	329
8108015	27*30	280	421
8108016	30*32	295	483
8108017	30*36	330	629
8108018	36*41	365	891

8109 Wrench, Single Box



(G)

Number	S mm	L mm	ΔT g
8109001	8	110	40
8109002	10	120	50
8109003	12	130	65
8109004	14	140	90
8109005	17	155	93
8109006	18	170	110
8109007	19	170	108
8109008	22	190	154
8109009	24	215	178
8109010	27	230	226
8109011	30	255	356
8109012	32	265	372
8109013	34	295	555
8109014	36	295	574
8109015	38	330	630
8109016	41	330	683
8109017	46	365	900
8109018	50	400	1170
8109019	55	445	1480
8109020	60	475	1800
8109021	65	510	2100
8109022	70	555	2580
8109023	75	590	2900

8109 Wrench, Single Box



Number	S mm	L mm	ΔT g
8109024	10	120	48
8109025	14	140	50
8109026	17	155	60
8109027	19	170	130
8109028	22	190	180
8109029	24	215	200
8109030	27	230	275
8109031	30	255	370
8109032	32	265	410
8109033	36	295	620

8110 Wrench, Single Bent Box



(G)

Number	S mm	L mm	ΔT g
8110001	10	120	28
8110002	11	150	50
8110003	12	150	53
8110004	13	150	53
8110005	14	150	53
8110006	16	175	90
8110007	17	175	94
8110008	19	205	195
8110009	22	205	180
8110010	24	250	262
8110011	27	250	262
8110012	30	295	420
8110013	32	295	420
8110014	34	305	597
8110015	36	305	607
8110016	38	340	717
8110017	41	340	717
8110018	43	370	958
8110019	44	370	950
8110020	45	370	945
8110021	46	370	942
8110022	50	400	1250
8110023	55	430	1660
8110024	60	450	1830
8110025	65	470	2100

8110 Wrench, Single Bent Box Inch



(G)

Number	S inch	L mm	ΔT g
8110026	1-1/16	250	430
8110027	1-1/8	295	470
8110028	1-1/4	295	510

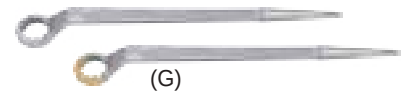
8111 Wrench, Single Box Offset



(G)

Number	S mm	L mm	ΔT g
8111001	22	190	184
8111002	24	215	236
8111003	27	230	271
8111004	30	255	458
8111005	32	265	446
8111006	34	295	660
8111007	36	295	615
8111008	41	330	825
8111009	46	365	1000
8111010	50	400	1250
8111011	52	400	1250
8111012	55	445	1430

8112 Wrench, Construction



(G)

Number	S mm	L mm	ΔT g
8112001	14	270	133
8112002	17	310	218
8112003	19	330	262
8112004	22	350	330
8112005	24	370	424
8112006	26	400	488
8112007	27	400	486
8112008	30	430	680
8112009	32	430	675
8112010	36	460	883
8112011	41	490	1188
8112012	46	520	1470
8112013	50	540	1635
8112014	55	560	1890

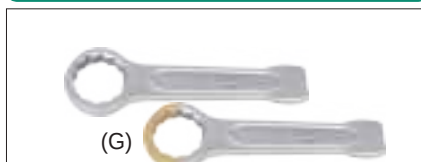
8113 Wrench, Striking Box



DIN 7444

Number	S mm	L mm	△ g
8113001	16	145	155
8113002	17	145	150
8113003	18	145	150
8113004	19	145	150
8113005	21	155	202
8113006	22	155	202
8113007	23	165	235
8113008	24	165	232
8113009	27	175	312
8113010	28	175	320
8113011	30	185	405
8113012	32	185	409
8113013	34	205	580
8113014	36	205	582
8113015	38	215	630
8113016	41	225	734
8113017	46	235	990
8113018	47	235	990
8113019	50	250	1085
8113020	55	265	1331
8113021	60	275	1741
8113022	65	300	1982
8113023	70	320	2400
8113024	75	325	2700
8113025	80	350	3500
8113026	85	355	3960
8113027	90	380	4600

8113 Wrench, Striking Box Inch



DIN 7444

Number	S inch	L mm	△ g
8113028	15/16	165	240
8113029	1	175	350
8113030	1-1/8	185	480
8113031	1-1/4	185	480
8113032	1-3/8	205	580
8113033	1-1/2	215	680
8113034	1-7/8	235	900

8114 Wrench, Striking Box Bent

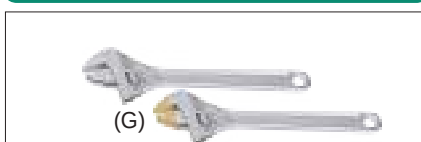


Number	S mm	L mm	△ g
8114001	24	160	256
8114002	27	175	401
8114003	30	190	537
8114004	32	190	530
8114005	36	210	645
8114006	41	225	795
8114007	46	240	1105
8114008	50	255	1259
8114009	55	270	1502
8114010	60	285	1970
8114011	65	300	2331
8114012	70	320	2723

Adjustable Wrench & Pipe Wrench
P327-P329

③ 8115001-8119003

8115 Wrench, Adjustable



Number	Kmax mm	L mm	△ g
8115001	13	100	36
8115002	18	150	123
8115003	24	200	242
8115004	30	250	420
8115005	36	300	675
8115006	46	375	1470
8115007	55	450	2051
8115008	60	600	3342

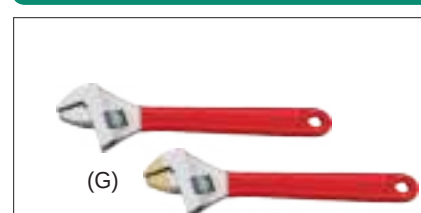
8115 Wrench, Adjustable



【用途】特点美观，防腐蚀，使用寿命长，安全拆卸，紧固螺栓螺母。
【制造工艺】模锻 【执行标准】Q/ZBF 8115A
【材质】304QF、316、420

Number	Kmax mm	L mm	△ g
8115009	18	150	128
8115010	24	200	260
8115011	30	250	444
8115012	36	300	745

8115 Wrench, Adjustable



Number	Kmax mm	L mm	△ g
8115013	13	100	40
8115014	18	150	125
8115015	24	200	245
8115016	30	250	423
8115017	36	300	678
8115018	46	375	1472
8115019	55	450	2053
8115020	60	600	3345

8115 Wrench, Adjustable



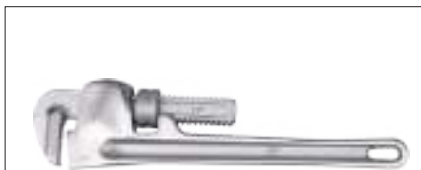
Number	Kmax mm	L mm	△ g
8115021	18	150	165
8115022	24	200	300
8115023	30	250	550
8115024	36	300	750

8115 Wrench, Adjustable (Water drop hole)



Number	Kmax mm	L mm	⚖ g
8115025	18	150	144
8115026	24	200	288
8115027	30	250	493
8115028	36	300	828

8117 Wrench, Pipe (American Type)



Number	Dmax mm	L mm	⚖ g
8117001	25	200	380
8117002	30	250	677
8117003	40	300	984
8117004	50	350	1250

8117 Wrench, Belt Pipe



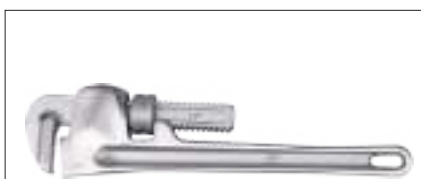
Number	L mm	L1 mm	⚖ g
8117013	200	530	489
8117014	285	830	599

8116 Wrench, Pipe



Number	Dmax mm	L mm	⚖ g
8116001	25	200	369
8116002	30	250	535
8116003	40	300	771
8116004	50	350	1117

8117 Wrench, Pipe (Aluminium Handle)



Number	Dmax mm	L mm	⚖ g
8117005	60	450	1682
8117006	75	600	2558
8117007	85	900	3875
8117008	110	1200	7192

8118 Wrench, Monkey



Number	Kmax mm	L mm	⚖ g
8118001	45	240	458
8118002	48	254	451
8118003	58	305	910
8118004	65	350	1211
8118005	70	380	1398

8116 Wrench, Pipe (British Type)



Number	Dmax mm	L mm	⚖ g
8116005	30	250	522
8116006	40	300	818
8116007	50	350	1112
8116008	60	450	1651
8116009	75	600	2691
8116010	85	900	5237

8117 Chain Wrench



Number	D mm	L mm	⚖ g
8117009	100	600	1964
8117010	200	600	2280
8117011	300	900	3916
8117012	400	900	4878

8119 Motor Wrench



Number	Kmax mm	L mm	⚖ g
8119001	62	250	558
8119002	78	280	913
8119003	82	375	1173

Hex Key Wrench & Ratchet Wrench

P329-P334

8120001-8132002

8120 Wrench, Hex Key



Number	S mm	L mm	g
8120001	1	59	4
8120002	1.5	59	4
8120003	2	59	4
8120004	2.5	59	5
8120005	3	59	7
8120006	3.5	59	8
8120007	4	65	9
8120008	5	79	15
8120009	5.5	79	20
8120010	6	85	24
8120011	7	88	32
8120012	8	92	44
8120013	9	97	60
8120014	10	110	79
8120015	11	119	104
8120016	12	130	138
8120017	13	140	160
8120018	14	150	200

8120 Wrench, Hex Key



Number	S mm	L mm	g
8120019	15	156	235
8120020	16	162	277
8120021	17	168	333
8120022	18	173	386
8120023	19	177	445
8120024	21	184	582
8120025	22	186	648
8120026	24	192	807
8120027	25	200	927
8120028	26	206	996
8120029	27	213	1142
8120030	28	222	1255
8120031	30	240	1676
8120032	32	266	2065
8120033	36	294	2905
8120034	40	320	4000
8120035	41	320	4192

8120 Wrench, Hex Key Long Type



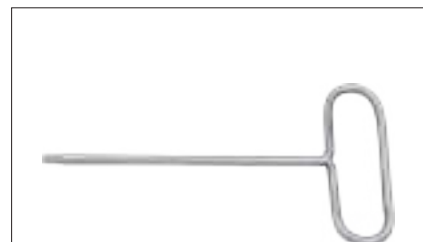
Number	S mm	L mm	H mm	g
8120036	1.5	47	15	5
8120037	2	54	18	6
8120038	2.5	61	20	7
8120039	3	69	23	9
8120040	4	78	29	15
8120041	5	88	33	20
8120042	6	99	38	28
8120043	7	111	41	40
8120044	8	124	44	60
8120045	9	138	47	85
8120046	10	153	50	115
8120047	11	169	53	150
8120048	12	186	57	190
8120049	13	204	63	235
8120050	14	223	70	290

8120 Welded T Ball Hex Key



Number	S mm	H mm	L mm	g
8120051	1.5	140	100	100
8120052	2	140	100	100
8120053	2.5	140	100	100
8120054	3	140	100	102
8120055	4	140	100	110
8120056	5	140	100	150
8120057	6	140	100	172
8120058	7	140	100	184
8120059	8	140	100	198
8120060	9	140	100	213
8120061	10	140	100	232

8120 Formed T Hex Key



Number	S mm	H mm	L mm	g
8120062	3	75	150	32
8120063	4	75	150	50
8120064	5	100	150	81
8120065	6	100	150	143
8120066	7	100	150	230
8120067	8	150	150	283
8120068	9	150	150	320
8120069	10	150	150	406
8120070	9	140	150	300
8120071	10	140	150	310

8120 Wrench, T Type Hex Key



Number	S mm	H mm	L mm	g
8120072	1.5	140	100	100
8120073	2	140	100	102
8120074	2.5	140	100	103
8120075	3	140	100	103
8120076	4	140	100	109
8120077	5	140	100	150
8120078	6	140	100	173
8120079	8	140	100	202
8120080	10	140	100	233

8120 Wrench, T Type Hex Key Inch



Number	S inch	H mm	L mm	g
8120081	9/64	140	100	120
8120082	1/4	140	100	170
8120083	5/16	140	100	240
8120084	3/8	140	100	320

8120 Wrench, Hex Key With Ball



Number	S mm	H mm	L mm	g
8120085	1.5	16	50	3
8120086	2	16	50	3
8120087	2.5	18	56	4
8120088	3	20	63	7
8120089	3.5	24	63	10
8120090	4	25	70	8
8120091	5	28	80	14
8120092	6	32	90	25
8120093	7	34	95	32
8120094	8	36	100	43
8120095	9	38	106	60
8120096	10	40	112	83
8120097	11	42	118	106
8120098	12	45	125	135
8120099	13	45	140	160
8120100	14	45	150	185
8120101	15	63	152	225
8120102	16	63	164	275

8120 Wrench, Hex Key With Ball Long Type



Number	S mm	H mm	L mm	g
8120103	1.5	47	15	5
8120104	2	54	18	6
8120105	2.5	61	20	7
8120106	3	69	23	9
8120107	4	78	29	15
8120108	5	88	33	20
8120109	6	99	38	28
8120110	7	111	41	40
8120111	8	124	44	60
8120112	9	138	47	85
8120113	10	153	50	115
8120114	11	169	53	150
8120115	12	186	57	190
8120116	13	204	63	235
8120117	14	223	70	290

8120 Wrench, Hex Key With Ball Long Type



Number	S mm	L mm	H mm	g
8120118	2	100	16	20
8120119	2.5	110	18	22
8120120	3	120	20	25
8120121	4	130	25	28
8120122	5	140	28	38
8120123	5	150	28	40
8120124	6	170	32	60

8120 Wrench, Hex Key With Ball Inch



Number	S inch	L mm	H mm	g
8120125	1/16	56	18	3
8120126	3/32	56	18	4
8120127	7/64	63	20	8
8120128	1/8	63	20	8
8120129	9/64	63	24	12
8120130	5/32	70	25	12
8120131	3/16	80	28	14
8120132	7/32	90	32	25
8120133	1/4	90	32	25
8120134	3/8	106	47	75
8120135	1/2	106	47	80

8120 Wrench, Hex Key With Ball Long Type Inch



Number	S inch	L mm	H mm	g
8120136	1/16	47	15	5
8120137	1/8	69	23	9
8120138	3/16	88	33	20
8120139	1/4	99	38	28
8120140	3/8	153	50	115
8120141	7/16	169	53	150
8120142	1/2	204	63	235
8120143	9/16	223	70	290

8120 Wrench, Hex Key Inch



Number	S inch	L mm	Δ g
8120144	1/16	59	4
8120145	5/64	59	5
8120146	3/32	59	7
8120147	7/64	59	8
8120148	1/8	59	10
8120149	9/64	65	12
8120150	5/32	65	12
8120151	3/16	79	15
8120152	7/32	85	20
8120153	1/4	85	25
8120154	9/32	88	30
8120155	5/16	92	45
8120156	11/32	97	60
8120157	3/8	110	80
8120158	7/16	119	100
8120159	1/2	140	160
8120160	9/16	150	190
8120161	5/8	162	280
8120162	3/4	177	440
8120163	7/8	186	640

8120 Wrench, Hex Key Long Type



Number	S mm	L mm	Δ g
8120171	2	80	5
8120172	2.5	80	5
8120173	2.5	110	7
8120174	2.5	120	8
8120175	3	85	10
8120176	3	95	12
8120177	3	105	13
8120178	3	115	14
8120179	4	95	19
8120180	4	110	20
8120181	4	120	22
8120182	5	100	30
8120183	5	120	32
8120184	5	140	34
8120185	5	160	36
8120186	5	180	38
8120187	6	110	45
8120188	6	135	52
8120189	6	160	58
8120190	6	185	65

8120 Wrench, Torx & Hex Key



Number	Size	L mm	H mm	Δ g
8120200	T7	48	16	4
8120201	T8	48	16	4
8120202	T9	48	16	4
8120203	T10	51	17	4
8120204	T15	54	18	7
8120205	T20	57	20	10
8120206	T25	60	20	13
8120207	T27	64	21	13
8120208	T30	70	24	20
8120209	T40	76	26	30

8121 Valve Wrench ,C Type



Number	S1 mm	S2 mm	L mm	Δ g
8121001	14.5	18.5	200	363
8121002	17.5	25.5	250	375

8122 Valve Spanner



Number	A mm	L mm	Δ g
8122001	45	300	580
8122002	60	400	730
8122003	70	500	1330
8122004	80	600	1800
8122005	90	700	2250
8122006	100	800	2950
8122007	110	900	3450
8122008	110	1000	4000

8122 Drum Wrench



Number	D mm	L mm	Δ g
8122009	175	500	980
8122010	250	500	1200

8120 Wrench, Hex Key Inch Long Type



Number	S inch	L mm	H mm	Δ g
8120164	1/8	69	23	9
8120165	3/16	88	33	20
8120166	1/4	99	38	28
8120167	3/8	153	50	115
8120168	7/16	169	53	150
8120169	1/2	204	63	235
8120170	9/16	223	70	290

8120 Wrench,T Type Hex Key



Number	S mm	L mm	H mm	Δ g
8120191	2	63	115	20
8120192	2.5	63	125	22
8120193	3	63	150	25
8120194	4	76	175	50
8120195	5	76	175	80
8120196	6	87	195	125
8120197	7	99	215	175
8120198	8	99	215	200
8120199	10	122	250	350

8122 Valve Wrench , C Type



Number	K mm	L mm	g
8122011	30	250	430
8122012	40	450	1170

8123 Wrench, Hook



DIN 1810

Number	Size mm	L mm	g
8123001	30-32	136	44
8123002	34-36	171	90
8123003	40-42	171	82
8123004	45-50	207	138
8123005	52-55	207	172
8123006	58-62	243	235
8123007	68-75	243	232
8123008	80-90	281	417
8123009	95-100	281	372
8123010	110-115	333	704
8123011	120-130	333	701
8123012	135-145	383	1121

8123 Wrench, Hook



DIN 1810

Number	Size mm	L mm	g
8123013	16-20	108	25
8123014	30-32	136	43
8123015	34-36	170	90
8123016	40-42	170	92
8123017	45-50	206	160
8123018	52-55	206	160
8123019	58-62	242	290
8123020	68-75	242	295
8123021	80-90	280	396
8123022	95-100	280	376
8123023	110-115	334	375
8123024	120-130	334	726
8123025	135-145	383	1132
8123026	155-165	383	1150

8123 Wrench, Hook Long Type



DIN 1810

Number	Size mm	L mm	g
8123027	110-115	533	1150
8123028	120-130	533	1160
8123029	135-145	583	1760

8124 Hook Wrench With Pin



DIN 1810

Number	Size mm	L mm	g
8124001	30-32	136	63
8124002	34-36	171	95
8124003	40-42	171	105
8124004	45-50	207	165
8124005	52-55	207	165
8124006	58-62	243	201
8124007	68-75	243	236
8124008	78-85	281	370
8124009	80-90	281	386
8124010	95-100	281	378
8124011	110-115	333	710

8124 Hook Wrench With Pin



DIN 1810

Number	Size mm	L mm	g
8124012	30-32	136	43
8124013	34-36	171	91
8124014	40-42	171	109
8124015	45-50	207	161
8124016	52-55	207	156
8124017	58-62	243	290
8124018	68-75	243	301
8124019	80-90	281	404
8124020	95-100	281	399
8124021	110-115	333	380

8124 Wrench, Adjustable Hook



Number	Size mm	L mm	g
8124022	20-35	165	115
8124023	35-60	190	150
8124024	60-90	280	355
8124025	90-155	330	718
8124026	155-230	400	1444

8125 Valve Handle



Number	K mm	L mm	g
8125001	20	150	140
8125002	25	200	155
8125003	30	200	314
8125004	35	250	384
8125005	30	300	425
8125006	32	300	430
8125007	40	300	451
8125008	35	350	470
8125009	45	350	529
8125010	45	375	555
8125011	40	400	730
8125012	50	400	790
8125013	45	450	830
8125014	55	450	889
8125015	50	500	1190
8125016	60	500	1238
8125017	55	550	1300
8125018	65	550	1382
8125019	60	600	1400
8125020	70	600	1463
8125021	75	650	1581
8125022	80	700	1696
8125023	85	750	2234
8125024	90	800	2427
8125025	95	850	2551
8125026	100	900	2650
8125027	100	1000	2900
8125028	115	1200	3000

8126 Valve Handle



Number	K mm	L mm	H mm	⚖ g
8126001	30	200	45	276
8126002	30	350	45	440
8126003	35	250	52	474
8126004	40	300	54	427
8126005	40	450	54	600
8126006	45	350	60	521
8126007	50	400	68	736
8126008	50	600	68	1040
8126009	55	450	74	834
8126010	60	500	80	1178
8126011	65	550	85	1306
8126012	70	600	88	1422
8126013	75	650	95	1903
8126014	80	700	100	2043
8126015	85	750	100	2618
8126016	90	800	107	2763
8126017	95	900	112	3115
8126018	100	1000	117	3404

8127 Wrench,Bung



Number	H mm	L mm	⚖ g
8127001	70	300	671

8128 Wrench,Bung



Number	H1 mm	H2 mm	L mm	⚖ g
8128001	70	95	350	1080

8129 Wrench,Bung



Number	H1 mm	H2 mm	L mm	⚖ g
8129001	93	61	385	1109

8130 Ratchet Wrench



Number	S1 mm	S2 mm	L mm	⚖ g
8130001	14	17	280	407
8130002	17	19	310	450
8130003	19	22	345	560
8130004	22	24	365	632
8130005	24	27	380	752
8130006	27	30	400	938
8130007	30	32	400	932
8130008	32	36	450	1422
8130009	36	41	500	1775

8130 Wrench, Combination Ratchet (New)



Number	S mm	L mm	⚖ g
8130010	7	155	105
8130011	8	155	105
8130012	9	165	110
8130013	10	165	110
8130014	11	175	117
8130015	12	175	117
8130016	14	190	180
8130017	16	220	240
8130018	17	220	242
8130019	18	240	305
8130020	19	240	305
8130021	22	270	385
8130022	24	290	473
8130023	27	315	670
8130024	30	350	892
8130025	32	370	1086

8130 Ratchet Wrench,Heavy Duty (6point)



Number	S mm	L mm	⚖ g
8130026	32	435	1479
8130027	36	485	1978
8130028	41	530	2292
8130029	46	550	2851
8130030	50	580	3100
8130031	55	600	3521
8130032	60	630	3700
8130033	65	650	4176

8131 Cabinet Key



Number	S1*S2*S3 mm	⚖ g
8131001	8*9*10	511
8131002	10*12*14	546
8131003	11*13*15	584
8131004	12*14*17	575
8131005	14*17*19	687

8132 Cabinet Key



Number	S1*S2*S3*S4 mm	L mm	⚖ g
8132001	17*19*21*23	350	1252
8132002	17*19*22*24	350	1252



Heavy Duty Impact Socket



≡ N1 ≡



Stainless Steel Antimagnetic Tools



Adopting German DIN standards
with an attractive design.

Surface treatment: Natural color or Gold color.

Screwdriver & Pliers P335-P341

8201001-8319002

8201 Slotted Screwdriver



Number	B mm	L1 mm	L mm	g
8201001	2	100	185	29
8201002	3	50	135	26
8201003	3	75	160	27
8201004	3	80	165	28
8201005	3	100	185	29
8201006	3	150	235	32
8201007	3	185	270	35
8201008	3	200	285	37
8201009	4	75	160	33
8201010	4	100	185	35
8201011	4	150	235	40
8201012	4	200	285	45
8201013	4.5	50	135	30
8201014	5	75	180	63
8201015	5	100	205	66
8201016	5	125	230	70
8201017	5	150	255	74

8201 Slotted Screwdriver



Number	B mm	L1 mm	L mm	g
8201018	6	60	175	78
8201019	6	100	215	87
8201020	6	125	240	92
8201021	6	150	265	98
8201022	6	200	315	108
8201023	6	250	365	121
8201024	6	300	415	134
8201025	7	150	265	113
8201026	8	150	277	149
8201027	8	175	300	159
8201028	8	200	325	168
8201029	8	250	375	188
8201030	9	250	375	187
8201031	9	300	430	240
8201032	10	250	380	253
8201033	10	300	425	280
8201034	10	350	480	312
8201035	11	250	375	253
8201036	11	300	425	282
8201037	11	350	475	312
8201038	11	405	555	427
8201039	12	250	375	318
8201040	12	400	550	427

8202 Phillips Screwdriver



Number	size	L1 mm	L mm	g
8202001	PH0(Φ2)	100	185	29
8202002	PH0(Φ3)	50	135	26
8202003	PH0(Φ3)	75	160	28
8202004	PH0(Φ3)	100	185	32
8202005	PH1(Φ4)	75	160	33
8202006	PH1(Φ4)	100	185	33
8202007	PH1(Φ4)	150	235	40
8202008	PH1(Φ4)	200	285	45
8202009	PH1(Φ5)	75	180	62
8202010	PH1(Φ5)	100	205	67
8202011	PH1(Φ5)	125	230	70
8202012	PH1(Φ5)	250	355	75
8202013	PH2(Φ6)	60	175	78
8202014	PH2(Φ6)	100	215	88
8202015	PH2(Φ6)	125	240	94
8202016	PH2(Φ6)	150	315	109

8202 Phillips Screwdriver



Number	size	L1 mm	L mm	g
8202017	PH2(Φ6)	200	315	109
8202018	PH2(Φ6)	300	415	131
8202019	PH3(Φ8)	100	230	130
8202020	PH3(Φ8)	150	275	148
8202021	PH3(Φ8)	175	305	159
8202022	PH3(Φ8)	200	325	170
8202023	PH3(Φ8)	250	375	190
8202024	PH4(Φ9)	250	375	223
8202025	PH4(Φ9)	300	425	252
8202026	PH4(Φ9)	350	475	285
8202027	PH4(Φ9)	400	550	304
8202028	PH4(Φ9)	450	600	355

8202 Hex Screwdriver



Number	size	L1 mm	L mm	g
8202029	T7	60	145	25
8202030	T7	75	155	27
8202031	T10	75	155	66
8202032	T20	75	155	80
8202033	T20	100	215	87

8203 Slotted Screwdriver



Number	B mm	L1 mm	L mm	g
8203001	3	50	155	203
8203002	4	75	180	206
8203003	5	100	205	263
8203004	6	150	255	277
8203005	6	200	305	280
8203006	8	200	320	413
8203007	8	250	370	425
8203008	9	250	370	438
8203009	9	300	420	480
8203010	10	300	420	486

8204 Phillips Screwdriver



Number	size	L1 mm	L mm	g
8204001	PH0(Φ3)	50	155	205
8204002	PH1(Φ4)	75	180	208
8204003	PH1(Φ5)	75	180	255
8204004	PH1(Φ5)	100	205	256
8204005	PH2(Φ6)	150	255	276
8204006	PH3(Φ8)	200	320	417
8204007	PH3(Φ8)	250	370	425
8204008	PH4(Φ9)	250	370	437
8204009	PH4(Φ9)	300	420	480
8204010	PH4(Φ10)	300	420	495

8205 Stubby Screwdrivers



Number	B mm	L1 mm	L mm	g
8205001	3	38	85	130
8205002	4	38	85	139
8205003	5	38	85	141
8205004	6	38	85	137
8205005	8	38	85	145

8205 Stubby Phillips Screwdriver



Number	size	L1 mm	L mm	g
8205006	PH0(Φ3)	38	85	130
8205007	PH1(Φ4)	38	85	135
8205008	PH1(Φ5)	38	85	139
8205009	PH2(Φ6)	38	85	140
8205010	PH3(Φ8)	38	85	143

8206 Slotted Screwdriver



Number	B mm	L1 mm	L mm	g
8206001	3	50	155	176
8206002	4	75	180	184
8206003	5	100	205	185
8206004	6	150	255	257
8206005	8	200	305	310
8206006	9	300	405	370
8206007	10	300	405	386

8206 Slotted Screwdriver 6pcs



Tools	Description
8206008	3*50mm, 4*75mm, 5*100mm, 6*150mm, 8*200mm, 10*300mm

8207 Phillips Screwdriver



Number	size	L1 mm	L mm	g
8207001	PH0(Φ3)	50	155	163
8207002	PH1(Φ4)	75	180	185
8207003	PH1(Φ5)	100	205	195
8207004	PH2(Φ6)	150	255	263
8207005	PH3(Φ8)	200	305	308
8207006	PH4(Φ9)	300	405	450
8207007	PH4(Φ10)	300	405	424

8207 Phillips Screwdriver 5pcs



Tools	Description
8207008	0#*50mm, 1#*75mm, 2#*150mm, 3#*200mm, 4#*300mm

8208 Driver Hex Nut



Number	S mm	L1 mm	L mm	g
8208001	5	90	195	240
8208002	6	90	195	249
8208003	7	100	205	250
8208004	8	100	205	250
8208005	10	110	215	270
8208006	12	110	215	247
8208007	14	110	215	260
8208008	17	120	225	315
8208009	19	130	235	360
8208010	22	130	235	380

8208 Hex Screwdriver



Number	size	L1 mm	L mm	g
8208011	T5	50	155	170
8208012	T6	50	155	170
8208013	T7	50	155	170

8208 Hex Screwdriver



Number	S mm	L mm	L1 mm	g
8208014	2	50	155	170
8208015	3	75	180	170

8208 Pozidriv Screwdriver



Number	size	L1 mm	L mm	g
8208016	PZ1(Φ4)	80	195	350
8208017	PZ3(Φ8)	150	265	393

8208 Slotted Hex Screwdriver



Number	B mm	L1 mm	L mm	g
8208018	3	80	195	340
8208019	6	150	265	370

8208 Slotted Screwdriver



Number	B mm	S mm	L mm	g
8208020	1.5	10	100	60
8208021	2	10	100	60
8208022	2.5	10	100	60
8208023	3	10	100	60

8208 Phillips Screwdriver



Number	size	S mm	L mm	g
8208024	PH0	10	100	60
8208025	PH1	10	100	60

8209 Slotted Screwdriver Bits



Number	Type	Size mm
8209001	⌚	0.6*4.5
8209002		0.8*5.5
8209003		1.2*6.5

8210 Hex Screwdriver Bits



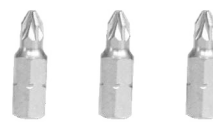
Number	Type	Size mm
8210001	⬤	2
8210002		2.5
8210003		3
8210004		4
8210005		5
8210006		6

8211 Phillips Screwdriver Bits



Number	Type	Size
8211001	⊕	PH1
8211002		PH2
8211003		PH3

8212 Pozidriv Screwdriver Bits



Number	Type	Size
8212001	⊕*	PZ1
8212002		PZ2
8212003		PZ3

8213 Hex Screwdriver Bits



Number	Type	Size
8213001	⬤	T10
8213002		T15
8213003		T20
8213004		T25
8213005		T27
8213006		T30
8213007		T40

8214 Hex Drive Type Socket



Number	S inch	L mm
8214001	1/4	50

8215 Ratchet Screwdriver Bits



Number	S inch	L mm	g
8215001	1/4	100	76

8216 Screwdriver Handle



Number	S inch	L1 mm	L mm	g
8216001	1/4	50	50	52

8301 Pliers, Lineman



Number	Size inch	L mm	g
8301001	6	150	233
8301002	7	175	317
8301003	8	200	420
8301004	10	250	641

8301 Germany Type Labor-saving Lineman Pliers



Number	size inch	L mm	⚖ g
8301005	6	150	300
8301006	8	200	349

8301 Germany Bent Pliers, Lineman



Number	size inch	L mm	⚖ g
8301007	6	150	280
8301008	7-1/2	190	303

8302 Pliers, Adjustable Combination



Number	size inch	L mm	K mm	⚖ g
8302001	6	150	8	200
8302002	8	200	13	376

8303 Pliers, Diagonal Cutting



Number	size inch	L mm	⚖ g
8303001	6	150	226
8303002	8	200	379

8304 Pliers, Snipe Nose



Number	size inch	L mm	K mm	⚖ g
8304001	6	150	54	185
8304002	8	200	74	314

8304 Germany Pliers, Snipe Nose



Number	size inch	L mm	⚖ g
8304003	6	150	185
8304004	8	200	238

8304 Germany Bent Pliers, Snipe Nose



Number	size inch	L mm	⚖ g
8304005	8	200	250
8304006	9	225	308

8304 Pliers, Flat Nose



Number	size inch	L mm	⚖ g
8304007	6	150	190
8304008	8	200	240

8305 Pliers, Slip Joint



Number	size inch	L mm	K max mm	⚖ g
8305001	8	200	22	300
8305002	10	250	32	350

8306 Bolt Chipper



Number	size inch	L mm	⚖ g
8306001	6	150	180
8306002	8	200	225

8307 Locking Pliers



Number	size inch	L mm	D mm	⚖ g
8307001	8	200	32	350
8307002	10	225	40	435

8308 Tweezers, Flat Nose



Number	L mm	⚖ g
8308001	150	33
8308002	200	54

8309 Forceps And Tweezers



Number	L mm	⚖ g
8309001	120	28
8309002	140	33
8309003	160	43
8309004	180	47
8309005	200	54

8310 Tweezers



Number	L mm	⚖ g
8310001	100	10
8310002	120	19
8310003	140	25
8310004	160	32
8310005	180	37
8310006	200	43
8310007	250	72
8310008	300	114

8311 Pliers, Lineman



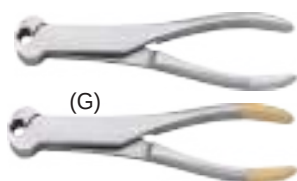
Number	L mm	⚖ g
8311001	150	217
8311002	180	327
8311003	200	441

8312 Pliers, Snipe Nose



Number	L mm	⚖ g
8312001	165	186
8312002	178	235
8312003	200	238

8313 Pincers



Number	L mm	⚖ g
8313001	150	200
8313002	180	275

8314 Pliers, Adjustable Combination



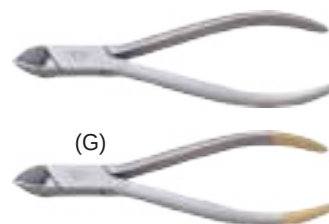
Number	L mm	⚖ g
8314001	150	150
8314002	200	259

8315 Power Side Cutter (American Type)



Number	L mm	⚖ g
8315001	150	185
8315002	190	329

8316 Mini Pliers, Diagonal Cutting



Number	L mm	⚖ g
8316001	150	115
8316002	200	190

8317 Pliers, Slip Joint



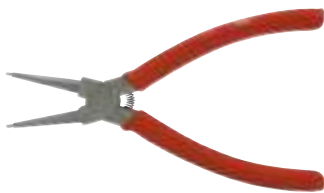
Number	L mm	⚖ g
8317001	165	147
8317002	250	412
8317003	300	585

8317 Pliers, Groove Joint



Number	L inch	L mm	K mm	⚖ g
8317004	8	200	30	350
8317005	10	250	45	500

8317 Pliers, Snap Ring-Internal



Number	L inch	L mm	⚖ g
8317006	7	175	230
8317007	8	200	265

8317 Pliers, Snap Ring-External



Number	L inch	L mm	⚖ g
8317008	7	175	230
8317009	8	200	265

8317 Pliers, Snap Ring-Internal (Replaceable Bit)



Number	L inch	L mm	⚖ g
8317010	7	175	150

8318 Scissors



Number	L inch	L mm	⚖ g
8318001	9	225	217

8319 Shears, Cutting



Number	L inch	L mm	⚖ g
8319001	6	150	100
8319002	8	200	125

Hammer & Pick Railroad & Shove
P341-P343
88 8401001-8415009

8401 Hammer,Ball Pein



Number	Size g	L mm	⚖ g
8401001	230	290	347
8401002	340	310	450
8401003	450	340	629
8401004	680	365	910
8401005	910	400	1198
8401006	1130	430	1507

8402 Hammer,Pein



Number	Size g	L mm	⚖ g
8402001	250	290	381
8402002	300	310	473

8402 Hammer,Cross Pein Engineers'



Number	Size g	L mm	⚖ g
8402003	100	290	125
8402004	250	290	270
8402005	500	340	525
8402006	800	400	830
8402007	1000	430	1040
8402008	1500	550	1530
8402009	2000	645	2040

8403 Hammer,Testing



Number	Size g	L mm	⚖ g
8403001	150	250	268
8403002	250	290	340

8403 Hammer,Scaling



Number	H g	L mm	⚖ g
8403003	150	250	275
8403004	300	310	412

8403 Hammer,Claw



Number	Size g	L mm	⚖ g
8403005	230	290	391
8403006	450	340	585
8403007	680	365	829

8404 Hammer, Sledge



Number	Size g	L mm	⚖ g
8404001	450	340	510
8404002	1000	400	1020
8404003	1400	550	1430
8404004	1500	550	1530
8404005	1800	550	1836
8404006	2000	645	2032
8404007	2200	645	2244
8404008	2500	645	2733
8404009	2700	750	2950
8404010	3000	750	3385

8405 Hammer, Sledge



Number	size g	L mm	⚖ g
8405001	1800	370	1800

8406 Hammer, Sledge(German Type)



Number	Size g	L mm	⚖ g
8406001	500	340	530
8406002	1000	400	1020
8406003	1500	550	1550
8406004	2000	645	2040

8407 Club Hammer



Number	Size lb	L mm	⚖ g
8407001	2	400	1110
8407002	4	550	2040

8408 Hammer, Ball Pein



Number	Size g	L mm	⚖ g
8408001	230	220	570
8408002	340	220	682
8408003	450	245	965
8408004	680	300	1182

8408 Hammer, Ball Pein



Number	D mm	A mm	L mm	⚖ g
8408005	25	88	270	900

8408 Hammer, Claw



Number	Size g	L mm	⚖ g
8408006	230	220	536
8408007	340	220	640
8408008	450	245	884
8408009	680	280	1181

8409 Hammer, Cross Pein Engineers'



Number	Size g	L mm	g
8409001	250	220	536
8409002	400	240	794
8409003	500	240	809
8409004	750	280	1131

8409 Hammer, Cross Pein Engineers'



Number	Size g	L mm	⚖ g
8409005	500	245	874
8409006	1000	300	1470
8409007	680	300	1290

8409 Hammer, Sledge



Number	Size g	L mm	⚖ g
8409008	1000	250	1298
8409009	1500	250	1700
8409010	2000	300	2300
8409011	2500	550	3000
8409012	3000	550	4000

8410 Shovel, Square



Number	B mm	L mm	⚖ g
8410001	195	1400	1800
8410002	240	1450	2200

8410 Shovel, Round Point



Number	B mm	L mm	⚖ g
8410003	230	1450	1553

8410 Dust Pan



Number	B mm	L mm	⚖ g
8410004	280	1450	2130

8411 Hammer, Electric Welding



Number	Size g	L mm	⚖ g
8411001	250	300	316

8412 Nylon Hammer



Number	Size g	L mm	⚖ g
8412001	500	240	755
8412002	800	350	1518
8412003	1000	400	2977

8412 Nylon Hammer



Number	Size g	L mm	⚖ g
8412004	150	220	380
8412005	250	220	482
8412006	350	220	593
8412007	500	240	816

8413 Nylon Hammer



Number	Size	L mm	⚖ g
8413001	Φ30*80	550	1170

8413 Hammer, Geological Prospecting



Number	A mm	L mm	⚖ g
8413002	228	370	1100

8414 Pick Railroad



Number	A mm	B mm	L mm	⚖ g
8414001	400	100	910	2700

8414 Pick Railroad



Number	A mm	L mm	⚖ g
8414002	470	910	3650

8415 Hammer, Drum Type



Number	size	L mm	⚖ g
8415001	1/2	290	230
8415002	1	340	450
8415003	1-1/2	365	680
8415004	2	400	910
8415005	3	550	1350
8415006	4	550	1800
8415007	5	645	2250
8415008	6	750	2700
8415009	8	750	3600

Sockets & Accessors

P343-P348

8501001-8517029

8501 Socket (1/2") 12 Point



Number	S mm	L mm	⚖ g
8501001	5	40	80
8501002	6	40	83
8501003	7	40	83
8501004	8	40	83
8501005	9	40	83
8501006	10	40	83
8501007	11	40	76
8501008	12	40	79
8501009	13	40	78
8501010	14	40	74
8501011	15	40	85

8501 Socket (1/2") 12 Point



Number	S mm	L mm	g
8501012	16	40	86
8501013	17	40	81
8501014	18	42	92
8501015	19	42	106
8501016	20	42	112
8501017	21	43	116
8501018	22	43	122
8501019	23	43	137
8501020	24	43	157
8501021	25	43	156
8501022	26	43	177
8501023	27	46	216
8501024	28	46	214
8501025	29	46	222
8501026	30	46	249
8501027	32	46	281

8501 Socket (1/2") 12 Point Inch



Number	S inch	L mm	g
8501028	7/16	40	80
8501029	9/16	40	80
8501030	5/8	40	85
8501031	11/16	40	90
8501032	7/8	42	90
8501033	15/16	43	150
8501034	1	43	150
8501035	1-1/16	46	200
8501036	1-1/4	46	220
8501037	1-5/16	46	280
8501038	1-1/2	50	480

8501 Socket (1/2") 6 Point



Number	S mm	L mm	g
8501039	36	50	400
8501040	41	55	700
8501041	50	65	800

8502 Socket (3/8") 12 Point



Number	S mm	L mm	g
8502001	5	28	32
8502002	5.5	28	34
8502003	6	28	34
8502004	7	28	32
8502005	8	28	31
8502006	9	28	31
8502007	10	32	48
8502008	11	32	47
8502009	12	32	45
8502010	13	32	45
8502011	14	32	51
8502012	15	32	51
8502013	16	32	55
8502014	17	32	62
8502015	18	32	65
8502016	19	32	69
8502017	20	32	66
8502018	21	35	78
8502019	22	35	78
8502020	24	35	82
8502021	30	38	95

8502 Socket (3/8") 12 Point Inch



Number	S inch	L mm	g
8502022	3/16	28	35
8502023	1/4	28	35
8502024	5/16	28	35
8502025	3/8	28	40
8502026	7/16	32	45
8502027	1/2	32	45
8502028	9/16	32	55
8502029	5/8	32	70
8502030	11/16	32	75
8502031	3/4	32	75
8502032	13/16	35	90
8502033	7/8	35	105
8502034	15/16	35	115
8502035	1	35	120

8502 Socket (3/8") 6 Point



Number	S mm	L mm	g
8502036	4	28	32
8502037	5	28	32
8502038	5.5	28	34
8502039	6	28	34
8502040	7	28	32
8502041	8	28	31
8502042	9	28	31
8502043	10	32	48
8502044	11	32	50

8502 Socket (3/8") 6 Point



Number	S mm	L mm	⚖ g
8502045	12	32	50
8502046	13	32	50
8502047	14	32	50
8502048	15	32	50
8502049	16	32	60
8502050	17	32	60
8502051	18	32	60
8502052	19	32	70
8502053	20	32	80
8502054	21	35	80
8502055	22	35	80
8502056	24	35	80

8502 Socket (3/8") 6 Point



Number	S mm	L mm	⚖ g
8502057	17	60	150
8502058	19	60	170
8502059	22	60	200

8502 Socket (3/8") 12 Point



Number	S mm	L mm	⚖ g
8502060	17	40	90
8502061	17	55	105
8502062	17	60	130
8502063	17	65	156
8502064	17	70	205

8502 Socket (3/8") 8 Point



Number	S mm	L mm	⚖ g
8502065	17	28	70
8502066	19	28	90
8502067	22	28	110

8503 Socket (3/4") 12 Point



Number	S mm	L mm	⚖ g
8503001	16	50	220
8503002	17	50	224
8503003	18	50	225
8503004	19	50	241
8503005	20	55	265
8503006	21	55	265
8503007	22	55	271
8503008	24	55	295
8503009	25	55	295
8503010	26	55	291
8503011	27	55	298
8503012	29	55	343
8503013	30	60	419
8503014	32	60	433
8503015	34	60	475
8503016	35	60	482
8503017	36	60	499
8503018	38	60	509
8503019	41	65	696
8503020	42	65	710
8503021	46	65	804
8503022	50	70	922

8503 Socket (3/4") 6 Point

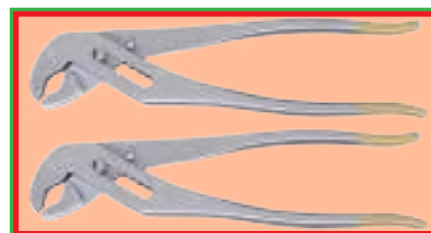


Number	S mm	L mm	⚖ g
8503023	24	55	290
8503024	36	60	300
8503025	42	65	780

8503 Socket (1") 12 Point



Number	S mm	L mm	⚖ g
8503026	22	55	370
8503027	24	55	380
8503028	27	55	390
8503029	30	60	465
8503030	32	60	470
8503031	36	65	570
8503032	41	70	670
8503033	46	75	805
8503034	50	75	870
8503035	55	80	1115
8503036	60	85	1295



8503 Impact Socket (1/2") 6 Point



Number	S mm	L mm	⚖ g
8503037	8	40	115
8503038	10	40	115
8503039	12	40	120
8503040	14	40	120
8503041	17	40	140
8503042	19	40	140
8503043	22	40	150
8503044	24	45	180
8503045	27	45	200
8503046	30	50	260
8503047	32	50	280

8503 Impact Socket (1/2") 6 Point Inch



Number	S inch	L mm	⚖ g
8503048	3/4	40	132
8503049	1	45	190
8503050	1-1/4	50	280

8503 Impact Socket (3/4") 6 Point Inch



Number	S inch	L mm	⚖ g
8503051	1-7/16	90	800
8503052	2-1/8	110	2170
8503053	2-5/8	120	2700

8503 Impact Socket (3/4") 6 Point



Number	S mm	L mm	⚖ g
8503054	17	50	245
8503055	19	50	245
8503056	22	50	305
8503057	24	50	305
8503058	27	53	360
8503059	30	53	400
8503060	32	56	470
8503061	36	56	510

8503 Impact Socket (1") 6 Point



Number	S mm	L mm	⚖ g
8503062	19	55	546
8503063	22	55	613
8503064	24	55	628
8503065	27	55	639
8503066	30	60	800
8503067	32	60	810
8503068	34	60	832
8503069	36	60	855
8503070	41	65	986
8503071	46	70	1362
8503072	50	75	1560
8503073	55	75	1620
8503074	60	85	1970

8503 Impact Socket (1") 6 Point Inch



Number	S inch	L mm	⚖ g
8503075	2	75	1550
8503076	2-13/32	100	2520
8503077	2-9/16	180	4752

8503 Impact Socket (1") 6 Point Inch



Number	S inch	L mm	⚖ g
8503078	3/4	55	530
8503079	7/8	55	535
8503080	1	55	590
8503081	1-1/8	60	850
8503082	1-1/4	60	760
8503083	1-3/8	60	785
8503084	1-1/2	65	845
8503085	1-9/16	65	950
8503086	1-5/8	65	960
8503087	1-3/4	70	1325
8503088	1-7/8	70	1460
8503089	2	75	1520

8503 Impact Socket (1") 6 Point



Number	S mm	L mm	⚖ g
8503090	24	160	1700
8503091	27	160	1750
8503092	30	160	1800
8503093	32	160	2200
8503094	36	160	2600
8503095	46	160	2850

8504 Universal Joint



Number	C inch	L mm	⚖ g
8504001	1/4	56	50
8504002	3/8	60	75
8504003	1/2	80	157
8504004	3/4	110	524
8504005	1	132	1000

8504 Adaptor



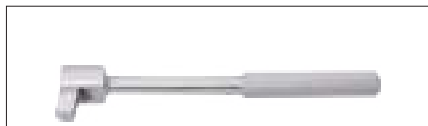
Number	□ inch	■ inch	L mm	⚖ g
8504006	3/8	1/2	34	50

8505 Sliding T Handle



Number	C inch	L mm	H mm	φ mm	⚖ g
8505001	3/8	160	37	11	170
8505002	3/8	200	37	11	195
8505003	1/2	250	39	13	388
8505004	3/4	350	54	19	1174
8505005	3/4	400	56	21	1490
8505006	1	400	62	21	1719

8506 Hinged Handle



Number	C inch	L mm	L1 mm	⚖ g
8506001	3/8	190	175	232
8506002	1/2	250	230	482
8506003	1/2	320	300	576
8506004	1/2	400	380	672
8506005	3/4	286	260	546
8506006	1	304	270	929

8507 Ratchet Wrench



Number	C inch	L mm	L1 mm	⚖ g
8507001	1/4	200	30	250
8507002	3/8	200	30	257
8507003	1/2	245	43	670
8507004	3/4	320	57	1567
8507005	1	550	67	3360

8508 Offset Handle



Number	C inch	L mm	⚖ g
8508001	3/8	200	239
8508002	1/2	230	378
8508003	3/4	280	791

8509 Speed Handle



Number	C inch	L mm	⚖ g
8509001	3/8	300	456
8509002	1/2	390	780

8510 Flex Socket Wrench



Number	S1*S2 mm	L mm	⚖ g
8510001	6*7	190	145
8510002	8*9	200	208
8510003	10*11	210	229
8510004	11*12	220	260
8510005	12*13	230	290
8510006	13*14	230	280
8510007	14*15	240	341
8510008	16*17	250	363
8510009	17*19	270	430
8510010	18*19	270	445
8510011	20*22	290	632
8510012	21*23	290	620
8510013	24*27	330	966

8511 1/2"Dr Socket Set-13pcs



Number	Contents
8511001	Socket 8mm, 10mm, 11mm, 12mm, 14mm, 17mm, 19mm, 22mm, 24mm, 27mm
	Ratchet Wrench 245mm
	Hinged Handle 250mm
	Socket Case

8512 1/2"Dr Socket Set-17pcs



Number	Contents
8512001	Socket 10mm, 11mm, 12mm, 14mm, 17mm, 19mm, 22mm, 24mm, 27mm, 30mm, 32mm
	Ratchet Wrench 245mm
	Sliding T-Handle 250mm
	Speed Handle 400mm
	Driver Extension 125mm, 250mm
	Socket Case

8513 1/2"Dr Socket Set-25pcs



Number	Contents
8513001	Socket 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 21mm, 22mm, 23mm, 24mm, 27mm, 30mm, 32mm
	Ratchet Wrench 245mm
	Sliding T-Handle 250mm
	Speed Handle 400mm
	Driver Extension 125mm, 250mm
	Universal Joint 80mm
	Socket Case

8514 Wrench, Double Socket L-Type



Number	S mm	L mm	△ g
8514001	5	100	50
8514002	6	105	47
8514003	7	110	70
8514004	8	115	79
8514005	10	130	136
8514006	12	145	203
8514007	13	160	225
8514008	14	160	290
8514009	16	190	445
8514010	17	190	497
8514011	19	205	681
8514012	22	230	750
8514013	27	280	1515
8514014	30	310	2035

8514 Wrench, Socket L-Type



Number	S mm	L mm	△ g
8514015	6	120	40
8514016	8	140	60
8514017	10	160	95
8514018	12	180	150
8514019	14	200	240
8514020	17	220	330
8514021	24	240	650
8514022	27	260	740
8514023	30	280	890
8514024	32	300	1020
8514025	36	320	1410

8515 Driver Extension



Number	S inch	L mm	△ g
8515001	3/8	50	50
8515002	3/8	75	79
8515003	3/8	100	100
8515004	3/8	150	160
8515005	3/8	200	200
8515006	1/2	100	180
8515007	1/2	125	235
8515008	1/2	200	365
8515009	1/2	250	447
8515010	1/2	300	520
8515011	3/4	100	420
8515012	3/4	150	610
8515013	3/4	200	838
8515014	3/4	300	1200
8515015	3/4	400	1600

8516 Lock Torque Wrench-Window Display



Number	C inch	Torque N.m	L mm	△ g
8516001	3/8	10-50	295	920
8516002	1/2	20-100	395	1020
8516003	1/2	40-200	470	1200
8516004	1/2	50-260	570	1330
8516005	3/4	150-670	1085	4930
8516006	1	300-900	1340	8500

不锈钢角座扳手



不锈钢角座扳手

8517 Hex Drive Type Socket (1/4")



Number	S mm	L mm	△ g
8517001	3	37	18
8517002	4	37	18
8517003	5	37	20
8517004	6	37	25
8517005	7	37	30
8517006	8	37	40
8517007	9	37	50
8517008	10	37	60

8517 Hex Drive Type Socket (3/8")



Number	S mm	L mm	△ g
8517009	3	47	35
8517010	4	47	35
8517011	5	47	40
8517012	6	47	40
8517013	7	47	45
8517014	8	47	50
8517015	9	47	55
8517016	10	47	70
8517017	11	47	75
8517018	12	47	80
8517019	13	47	90
8517020	14	47	95

8517 Hex Drive Type Socket (1/2")



Number	S mm	L mm	△ g
8517021	12	60	110
8517022	13	60	120
8517023	14	60	134
8517024	15	60	145
8517025	16	60	150
8517026	17	60	160
8517027	18	60	170
8517028	19	60	200
8517029	20	60	210

Bar & Chisel & Parallel Vice

P349-P350

50 8601001-8607027

8601 Bar, Pinch



Number	B mm	φ mm	L mm	g
8601001	16	15	300	420
8601002	16	15	500	555
8601003	17	16	500	740
8601004	19	18	500	953
8601005	20	19	500	1177
8601006	20	19	900	2140
8601007	21	20	300	650
8601008	21	20	500	1166
8601009	21	20	1400	3325
8601010	23	22	500	1350
8601011	24	23	500	1406
8601012	24	23	800	2250
8601013	26	24	500	1745
8601014	27	25	600	2148
8601015	27	25	800	2937
8601016	26	25	1000	3680
8601017	26	25	1200	4400
8601018	32	30	1000	5279
8601019	32	30	1300	6750
8601020	32	30	1500	8030

8602 Chisel, Flat



Number	B mm	φ mm	L mm	g
8602001	15	14	160	176
8602002	17	16	160	234
8602003	19	18	160	279
8602004	19	18	200	372
8602005	21	20	200	455
8602006	26	24	250	873
8602007	26	24	300	1027
8602008	26	24	400	1470
8602009	27	25	300	1088
8602010	27	25	400	1617
8602011	27	25	500	1900
8602012	32	30	500	2677

8603 Bar, Wecking



Number	D mm	L mm	g
8603001	16	450	1277
8603002	16	500	1434
8603003	16	600	1632
8603004	18	700	1500
8603005	18	750	2041
8603006	18	800	2136
8603007	20	450	1280
8603008	20	600	1600
8603009	20	750	1950
8603010	20	800	2100
8603011	20	900	2387

8605 Parallel Vice



Number	Size mm	g
8605001	75	4842
8605002	100	6472
8605003	150	16300
8605004	200	27600
8605005	250	38000

8605 Impact Parallel Vice



Number	型号	钳口宽 mm	开口范围 mm
8605006	QT-4	100	0-90
8605007	QT-6	160	0-105/100-150
总长度 mm	总高度 mm	气动行程 mm	加持力 kg
370	135	0-5mm	1500
440	135	0-5mm	2500

8606 Wedge, Flange



Number	L mm	B mm	H mm	g
8606001	80	13	6	31
8606002	100	50	10	230
8606003	135	50	18	507
8606004	150	25	8	151
8606005	150	25	13	212
8606006	150	40	8	227
8606007	150	50	13	425
8606008	180	32	13	323
8606009	180	50	19	724
8606010	200	20	30	486
8606011	200	30	30	736
8606012	200	40	40	1267
8606013	200	50	12	563
8606014	230	40	20	770
8606015	230	50	20	975
8606016	250	40	30	1192
8606017	300	50	40	2352

8607 Hearing Needle



Number	φ mm	L mm	g
8607001	4	600	70
8607002	5	800	135
8607003	6	250	65
8607004	6	400	100
8607005	6	500	120
8607006	6	600	145
8607007	6	800	185
8607008	6	1000	230
8607009	7	400	131
8607010	7	800	250
8607011	7	1000	310
8607012	8	300	128
8607013	8	500	208
8607014	8	600	240
8607015	8	700	280
8607016	8	800	320
8607017	8	1000	400
8607018	10	400	250

8607 Hearing Needle



Number	Φ mm	L mm	Δ g
8607019	10	500	315
8607020	10	600	370
8607021	10	800	505
8607022	10	850	530
8607023	10	1000	631
8607024	10	1200	750
8607025	12	600	535
8607026	12	800	710
8607027	12	1500	1330

Knife & Container & File
P350-P354

⑤ 8608001-8627001

8608 Knife, Common



Number	L mm	L1 mm	Δ g
8608001	80	190	101
8608002	137	250	127

8608 Knife, Putty



Number	K mm	L1 mm	L mm	Δ g
8608003	15	90	200	100
8608004	25	90	200	100
8608005	40	90	200	116
8608006	50	90	200	118
8608007	65	90	200	134

8608 Knife, Putty



Number	K mm	L1 mm	Δ g
8608008	25	215	235
8608009	40	215	250
8608010	50	215	271
8608011	65	215	293
8608012	100	215	350

8609 Bucket



Number	Size L	H mm	Δ g
8609001	3	165	610
8609002	15	280	1746

8609 Bucket



Number	Size L	H mm	Δ g
8609003	5	200	715
8609004	10	250	986
8609005	15	280	1301

8609 Oil Funnel



Number	Φ mm	L mm	Δ g
8609006	160	130	311
8609007	160	150	315

8610 Oil Funnel



Number	Size L	H mm	Δ g
8610001	10	200	2618
8610002	15	260	2800

8611 Oil Dipper



Number	Size mm	L mm	Δ g
8611001	50	430	100
8611002	100	430	140
8611003	250	430	210
8611004	500	440	330

8612 Portable Oil Pump



Number	Φ mm	H mm	g
8612001	165	1100	1508

8613 Dustpan



Number	L mm	B mm	H mm	Δ g
8613001	150	130	20	167
8613002	200	200	50	358
8613003	270	250	50	612

8614 Manual Portable Oil pump



Number	L mm	Δ g
8614001	1350	3252

8615 Releasing Static Device



Number	L mm	g
8615001	1000	1587

8616 C Clamps



Number	K mm	g
8616001	50	331
8616002	75	428
8616003	100	851
8616004	150	1872
8616005	200	3076
8616006	250	5186
8616007	300	6870

8616 C Clamps (Japan Type)



Number	K mm	B mm	L mm	g
8616008	25	26	79	343
8616009	38	31	99	469
8616010	50	36	117	857
8616011	75	46	152	1406
8616012	100	56	190	1320

8617 Hacksaw



Number	Size mm	L mm	g
8617001	300	470	780

8618 Sliding Bar Clamp



Number	K mm	L mm	g
8618001	50	150	450
8618002	50	200	697
8618003	80	250	1283
8618004	80	300	1333
8618005	80	400	1445
8618006	80	500	1575
8618007	120	600	2550
8618008	120	800	3913

8618 L-Square Ruler



Number	Size		g
	inch	mm	
8618009	12	350	600

8619 File, Flat



Number	Size inch	B mm	L mm	H mm	g
8619001	8	20	325	5	473

8619 File, Flat



Number	Size inch	B mm	L mm	H mm	g
8619002	8	20	320	4	228
8619003	10	25	370	6	295

8620 File, Flat (Light Type)



Number	Size inch	B mm	L mm	H mm	g
8620001	8	20	325	2.5	450

8620 File, Flat (Light Type)



Number	Size inch	B mm	L mm	H mm	g
8620002	8	20	320	2.5	160
8620003	10	25	370	3	230



8621 File, Triangle



Number	Size inch	B mm	L mm	Weight g
8621001	8	12	325	457

8621 File, Triangle



Number	Size inch	B mm	L mm	Weight g
8621002	8	12	320	205
8621003	10	14	370	228

8622 File, Half Round



Number	Size inch	B mm	L mm	Weight g
8622001	6	21	275	385
8622002	8	22	325	457
8622003	10	25	380	515
8622004	12	27	430	630

8622 File, Half Round



Number	Size inch	B mm	L mm	Weight g
8622005	8	22	320	185
8622006	10	25	370	275
8622007	12	27	425	380

8623 File, Round

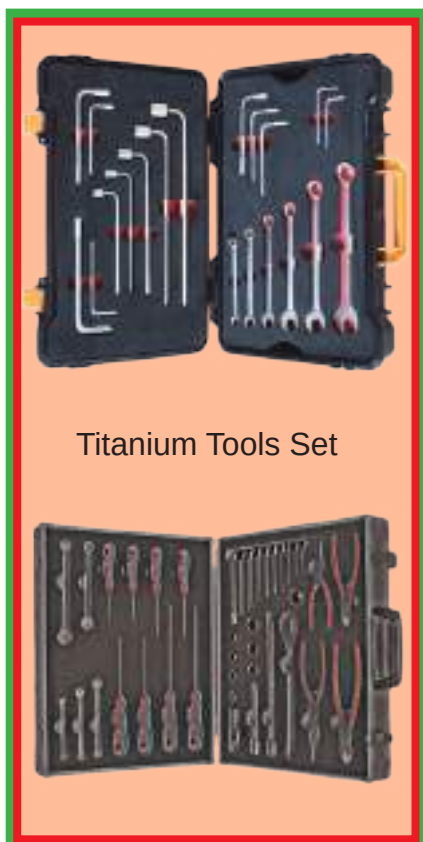


Number	Size inch	Φ mm	L mm	Weight g
8623001	6	6	275	355
8623002	8	7	325	396
8623003	10	10	375	480
8623004	12	10	435	530

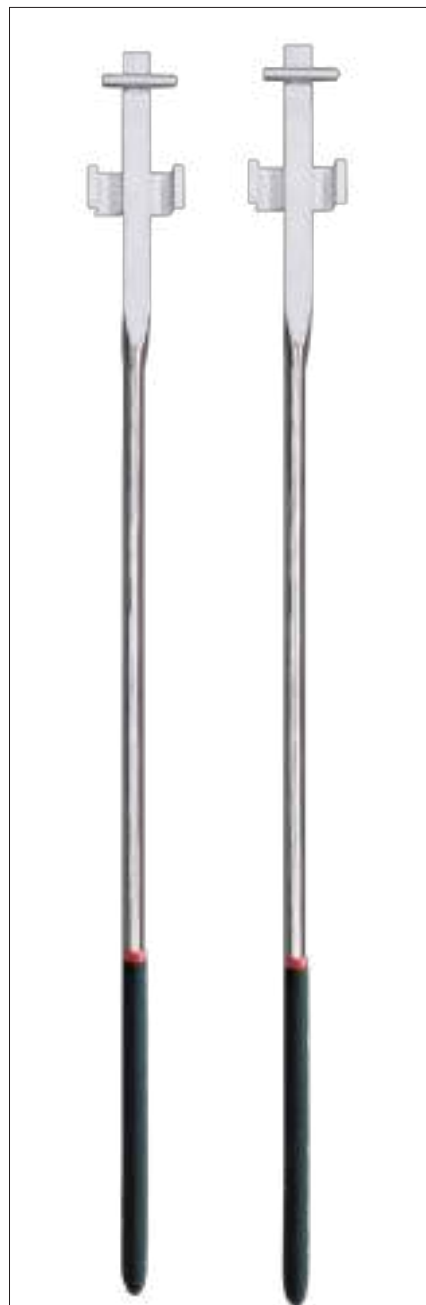
8623 File, Round



Number	Size inch	Φ mm	L mm	Weight g
8623005	8	7	320	125
8623006	10	10	370	204



8626 Drum Lever Bar (A Type)



●The structure is simple, the head is stuck on the upper edge of the iron barrel, manually rotate the handle, and use the lever principle to move the iron barrel easily. As shown in the figure, model 8626-1002 is suitable for drums without steel rings, and model 8626-1004 is suitable for drums with steel rings.

Number	L mm	Weight g
8626001	1200	2610

8626 Drum Lever Bar (B Type)



●The structure is simple, the head is stuck on the upper edge of the iron barrel, manually rotate the handle, and use the lever principle to move the iron barrel easily. As shown in the figure, model 8626-1002 is suitable for drums without steel rings, and model 8626-1004 is suitable for drums with steel rings.

Number	L mm	g
8626002	1200	2610



8627 Drum Lever with Bung Wrench



●It is used to support the dumping of iron drums and plastic drums, short distance movement, handling work, the use of lever principle, conform to ergonomic, stable and labor-saving.

Number	L mm	g
8627001	1200	2300



Cordless Impact Wrench



Cordless Impact Wrench







Aluminum Tools



P355-P358



Aluminum Tools



Display Of Antistatic Tools



Draggle Tape Of Tank Lorry



Static Rope



Automatic Retractable Static
Grounding Device

Aluminium Product P355-P357

(52) 9101001-9210001

9101 Bucket



- Usage: Fill all kinds of liquid and oil, non- spark oil barrels
- Manufacturing Process: cold rolled products
- Execution Standard: Q/ZBF - 9101
- Specifications: 10 L, 20 L

9102 Bucket



- Usage: Fill all kinds of liquid and oil, non- spark oil bucket with cover
- Manufacturing Process: cold rolled products
- Execution Standard: Q/ZBF - 9102
- Specifications: 10 L, 20 L

9103 Bucket



- Usage: Fill all kinds of liquid and oil, non- spark fire bucket
- Manufacturing process: cold rolled products
- Execution standard: Q/ZBF - 9103
- Specifications: 10 L, 15 L

9103 Bucket



- Usage: Fill all kinds of liquid and oil, non- spark fire bucket
- Manufacturing process: cold rolled products
- Execution standard: Q/ZBF - 9103
- Specifications: 10 L, 15 L

9104 Bucket



- Usage: Fill all kinds of liquid and oil, non- spark oil Bucket
- Manufacturing process: cold rolled products
- Execution standard: Q/ZBF - 9104
- Specifications: 10 L, 15 L

9105 Hand Cadger



- Usage: Fill all kinds of liquid and oil, non- spark oil Can
- Manufacturing process: cold rolled products
- Execution standard: Q/ZBF - 9105
- Specifications: 2 L

9106 Oil Funnel



- Usage: To convey liquids such as oil into small diameter container, non- spark oil funnel, safe and reliable.
- Manufacturing process: cold rolled products
- Execution standard: Q/ZBF - 9106
- Specifications: top diameter 120mm, bottom diameter 50mm

9107 Oil Tray



- Usage: To fill all kinds of liquid and oil, non- spark, safe and reliable
- Manufacturing process: cold rolled products
- Execution standard: Q/ZBF - 9107
- Specifications: small, middle, large

9201 Flange Electrostatic Jumper



- Usage: used on both ends of the flange, bridge between each segment joints, wire and tube broken interface, photovoltaic panels, electric auxiliary allied to conduction potential, without electric current as normal using.
- Specifications: 127*127*(05.-1)

9202 Static Flange Connecting



- Usage: used on both ends of the flange, bridge between each segment joints, wire and tube broken interface, photovoltaic panels, electric auxiliary allied to conduction potential, without electric current as normal using.
- Specifications: 127*127*(05.-1)

9205 Safe Rope



- Usage: high strength, good elasticity, easy installation, anti-corrosion, used for maintenance, installation, aerial work etc work site.
- Specifications: 5, 10, 15, 20, 25, 30, 50 m, each with brass hooks

9208 Automatic Retractable Static Grounding Device



Usage: the mechanical structure used to remove the electrostatic from objects. Fixed installation, automatic recovery of cables, the standard grounding clip line 5 meters, the product is intrinsically safe electrical equipment, with the good electrical conductivity. Eliminate potential electrostatic hazards. (with extra 5 meters 8 square meters electrostatic copper core wire)

9203 Draggage Tape Of Tank Lorry



- Usage: this product is mainly used to transport the chemical dangerous goods vehicles, free to adjust the product length, keep the bottom of the effective contact with the ground, can prevent vehicles from fire explosion accident due to electrostatic.
- Specifications: length: 1.6 m, width: 55 mm, thickness: 8 mm (each with a free elastic clamp)

9206 Double Static Grounding Clamp



Usage: the mechanical structure used to remove the electrostatic from objects. Usually connected to the earthing piles or ground net. Clamp body by strong spring firmly on the object, and the sharp break paint thimble through object surface paint, stains etc insulation, enable to remove the accumulation of static electricity on the object, eliminate the potential electrostatic hazards. (with extra 5 meters rubber copper core wire)

9209 Automatic Retractable Static Grounding Device



Usage: can be automatically retraction and automatic locking device in the case, can control the length of the cable out and bounce back after. Good telescopic design to take up less space, easy to use. Enclosure protection device effectively avoid the wear of the cable, prolong service life, and the use of scale easily. 6 m telescopic work can flexibly fixed, not restricted by working space, cable length can be adjusted within the prescribed scope, swing can be 180 degrees scope of work. (with extra 5 meters 8 square meters electrostatic copper wire)

9204 Static Rope



- Usage: pure cotton cord, copper core, conductive fiber cotton rope
- Specifications: 5, 10, 15, 20, 25, 30, 50 m each match copper hook

9207 Single Static Grounding Clamp

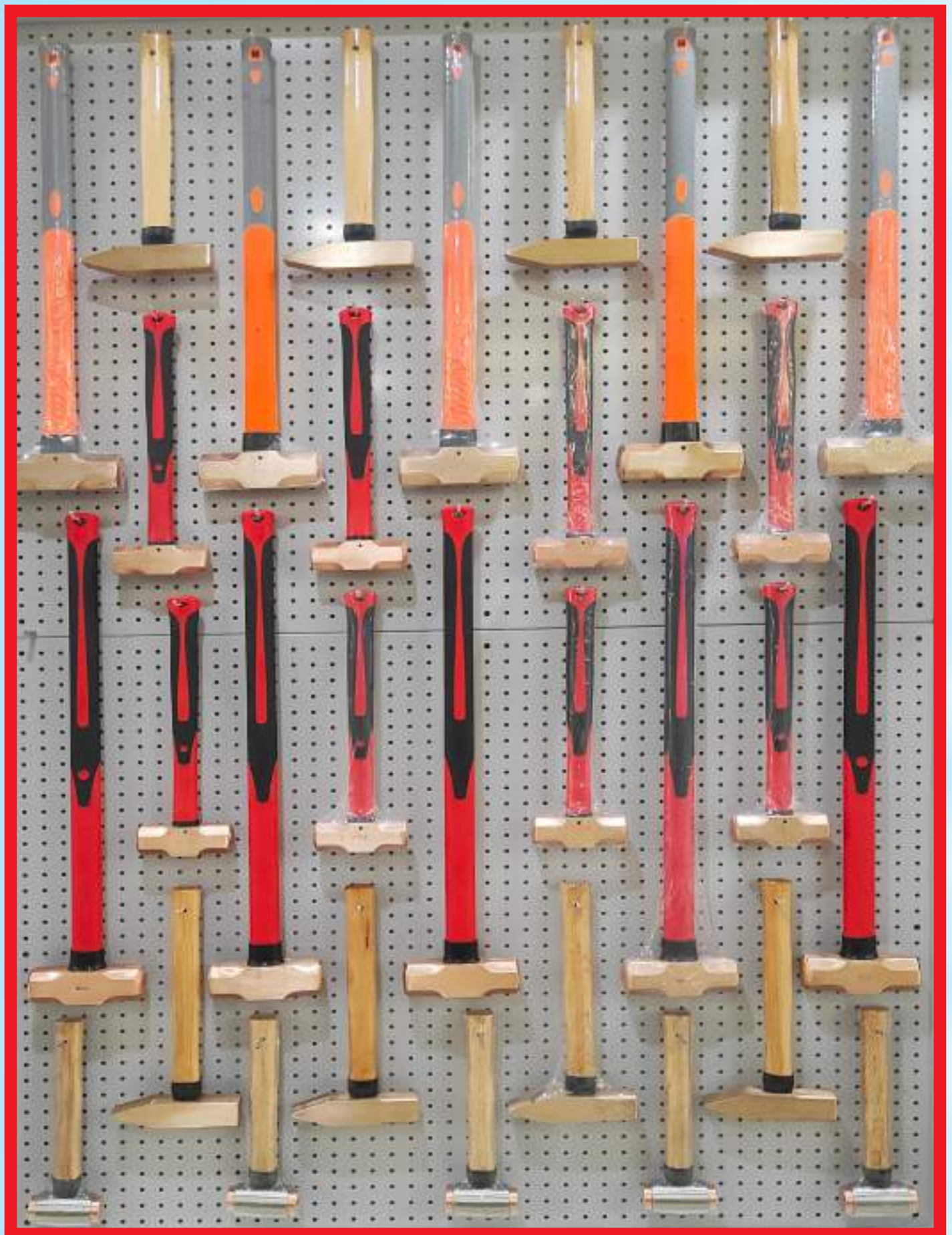


Usage: the mechanical structure used to remove the electrostatic from objects. Usually connected to the earthing piles or ground net. Clamp body by strong spring firmly on the object, and the sharp break paint thimble through object surface paint, stains etc insulation, enable to remove the accumulation of static electricity on the object, eliminate the electrostatic potential hazards. (with extra 5 meters rubber copper core wire)

9210 Static Grounding Alarm



Usage: using reliable integrated circuit, antistatic and alarm performance stability, the whole ground loop resistance from the clamp body to the grounding pile automatic monitoring, when resistance value over than predetermined value automatic alarm. (with extra 3 m rubber copper core wire for free)





P395-P362

Brass Products



Brass Products



Brass Tools P359-P362

(53) 1010101-1030201

10101 Pliers, Adjustable Combination



Number	L inch	L mm	g
1010101	6	150	170

10102 Pliers, Adjustable Combination



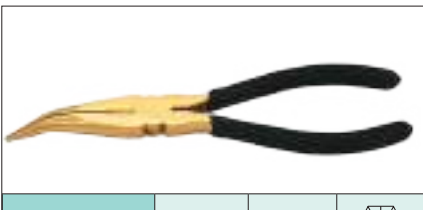
Number	L inch	L mm	g
1010201	8	200	260

10103 Pliers, Needle Nose



Number	L inch	L mm	g
1010301	8	200	200

10104 Pliers, 45 Degree Needle Nose



Number	L inch	L mm	g
1010401	8	200	200

10105 Sprue Puller Curred Head



Number	L inch	L mm	g
1010501	7	175	230

10106 Sprue Puller Serrated Jaw



Number	L inch	L mm	g
1010601	7	175	170

10107 Sprue Puller Serrated Jaw



Number	L inch	L mm	g
1010701	10	250	450

10108 Pliers, Groove Joint



Number	L inch	L mm	g
1010801	10	250	410

10201 Knife, Putty, Long Wood Handle



Number	B mm	L mm	g
1020101	80	310	200

10202 Knife, Putty, Long Wood Handle



Number	B mm	L mm	g
1020201	32	300	150

10203 Spatula, Long Wood Handle



Number	B mm	L mm	g
1020301	32	300	140

10204 Spatula, Long Wood Handle



Number	B mm	L mm	g
1020401	20	300	130

10205 Knife, Putty, Bakelite Handle



Number	B mm	L mm	⚖ g
1020501	75	200	130

10206 Knife, Putty, Multi-purpose Bakelite Handle



Number	B mm	L mm	⚖ g
1020601	62	200	100

10207 Knife, Putty, Narrow Blade Bakelite Handle



Number	B mm	L mm	⚖ g
1020701	32	200	100

10208 Scraper



Number	L inch	B mm	H mm	⚖ g
1020801	902	50	2	683

10209 Scraper, Flat



Number	L mm	B mm	L1 mm	⚖ g
1020901	200	30	325	330
1020902	300	30	430	480
1020903	350	35	490	640
1020904	350	50	490	1020
1020905	400	60	560	1520

10210 Wedge, Flange



Number	L mm	B mm	H mm	⚖ g
1021001	80	13	6	25
1021002	100	50	10	201
1021003	135	50	18	497
1021004	150	40	8	200
1021005	150	25	8	122
1021006	150	25	13	205
1021007	150	50	13	400
1021008	180	32	13	305
1021009	180	50	19	700
1021010	200	20	30	490
1021011	200	30	30	740
1021012	200	40	40	1315
1021013	200	50	12	500
1021014	230	40	20	751
1021015	250	40	30	1230
1021016	300	50	40	2460

10211 Shovel, Square



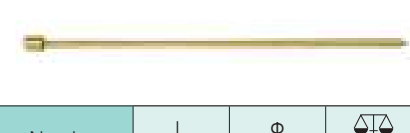
Number	L mm	B mm	H mm	⚖ g
1021101	870	190	340	1622
1021102	990	240	420	2167

10211 Shovel, Round Point



Number	L mm	B mm	H mm	⚖ g
1021103	930	230	420	1550

10212 Hearing Needle



Number	L mm	Φ mm	⚖ g
1021201	250	6	85
1021202	300	8	150
1021203	400	7	160
1021204	500	10	335

10301 Wrench, Bung



Number	L mm	H mm	⚖ g
1030101	300	70	630

10302 Wrench, Bung



Number	L mm	H1 mm	H2 mm	⚖ g
1030201	350	70	95	1165

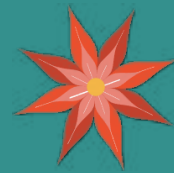




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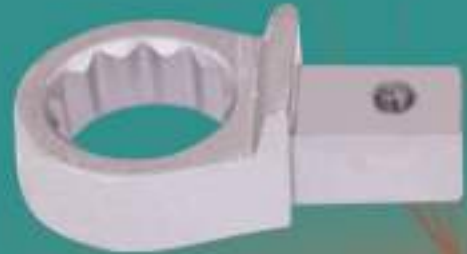
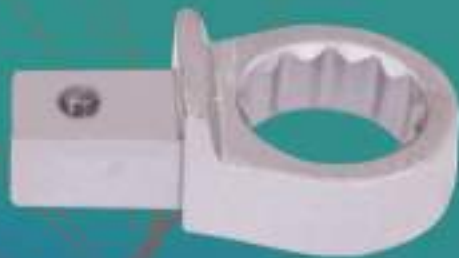
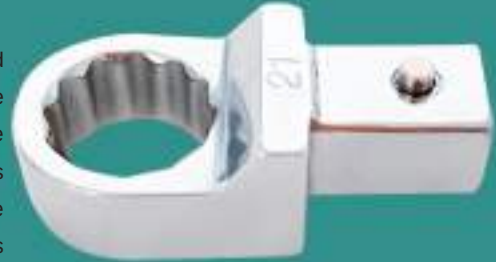
P363-P366



Cr.V



Torque wrench inserts and attachments, used with torque wrenches to precisely control the tightening torque of fasteners such as bolts and nuts. Their core function is to ensure that fasteners reach the preset torque value, preventing assembly issues or mechanical failures caused by over-tightening or under-tightening. Available in box-end types and open-end types to meet various application needs. Open-end and box wrenches with non-standard angles effectively avoid obstacles for use in special applications.



Cr.V



Steel Torque Wrench Plug P363-P366

54 1110101-1130610

11101 Crow Foot Open End (C=3/8")



Number	S inch	H mm	g
1110101	3/8	6.2	25
1110102	7/16	6.2	25
1110103	1/2	6.7	30
1110104	9/16	6.2	35
1110105	5/8	8	55
1110106	11/16	6.2	55
1110107	3/4	8	70
1110108	13/16	8	75
1110109	7/8	8	90
1110110	15/16	8	90
1110111	1	9	100
1110112	1-1/16	9	105
1110113	1-1/8	9	110
1110114	1-3/16	9	135
1110115	1-1/4	11	110
1110116	1-5/16	9	115

11101 Crow Foot Open End (C=3/8")



Number	S inch	H mm	g
1110117	1-3/8	8	120
1110118	1-7/16	8	125
1110119	1-1/2	8	135
1110120	1-9/16	8	145
1110121	1-5/8	8	145
1110122	1-11/16	8	175
1110123	1-3/4	9	180
1110124	1-13/16	9	200
1110125	1-7/8	9	200
1110126	1-15/16	8	200
1110127	2	11	280
1110128	2-1/16	11	290
1110129	2-1/8	11	305
1110130	2-3/16	11	320
1110131	2-1/4	11	365
1110132	2-5/16	11	365

11101 Crow Foot Open End (C=3/8")



Number	S inch	H mm	g
1110133	2-3/8	11	420
1110134	2-7/16	11	435
1110135	2-1/2	11	445
1110136	2-9/16	11	455
1110137	2-5/8	11	530
1110138	2-11/16	11	540
1110139	2-3/4	11	555
1110140	2-13/16	11	555
1110141	2-7/8	11	655
1110142	2-15/16	11	665
1110143	3	11	675

11102 3/8" Crow Foot Box End 12 Point



Number	S inch	E inch	K inch	g
110201	5/8	3/4	15/32	50
110202	11/16	13/16	1/2	55
110203	13/16	27/32	17/32	60
110204	3/4	29/32	19/32	65
110205	7/8	1	21/32	70
110206	15/16	13/32	11/16	75
110207	1	1-1/32	23/32	90
110208	1-1/16	1-1/16	25/32	95



11103 Rectangular Open End 9*12mm



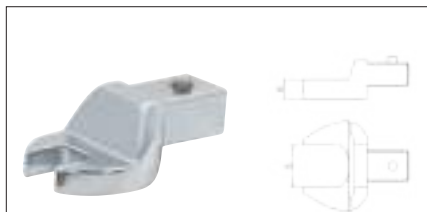
Number	S inch	H mm	g
1110301	1/4	8	35
1110302	5/16	8	38
1110303	3/8	8	40
1110304	7/16	8	42
1110305	1/2	8	45
1110306	9/16	8	50
1110307	5/8	10	60
1110308	11/16	10	65
1110309	3/4	10	70
1110310	13/16	10	75
1110311	7/8	12	100
1110312	15/16	12	115
1110313	1	12	130
1110314	1-1/16	12	140
1110315	1-1/8	12	160

11104 Rectangular Open End 14*18mm



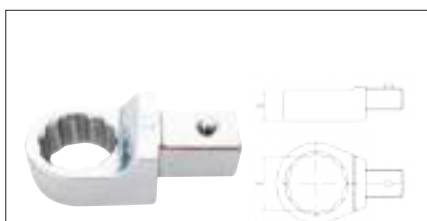
Number	S inch	H mm	g
1110401	1/4	8	70
1110402	5/16	8	75
1110403	3/8	8	80
1110404	7/16	8	90
1110405	1/2	8	115
1110406	9/16	8	125
1110407	5/8	10	140
1110408	11/16	10	145
1110409	3/4	10	150
1110410	13/16	10	160
1110411	7/8	14	165
1110412	15/16	14	170
1110413	1	16	200
1110414	1-1/16	16	220

11104 Rectangular Open End 14*18mm



Number	S inch	H mm	Δ g
1110415	1-1/8	16	240
1110416	1-3/16	16	250
1110417	1-1/4	16	270
1110418	1-5/16	16	280
1110419	1-3/8	16	290
1110420	1-7/16	16	300
1110421	1-1/2	16	310
1110422	1-9/16	16	320
1110423	1-5/8	16	340
1110424	1-11/16	16	360
1110425	1-3/4	16	380
1110426	1-13/16	16	400
1110427	1-7/8	16	420
1110428	2	16	450

11105 Rectangular Box End 9*12mm



Number	S inch	H mm	Δ g
1110501	1/4	8	30
1110502	5/16	8	30
1110503	3/8	8	30
1110504	7/16	8	30
1110505	1/2	11	37
1110506	9/16	11	40
1110507	5/8	11	43
1110508	11/16	11	45
1110509	3/4	13	50
1110510	13/16	13	56
1110511	7/8	13	65
1110512	15/16	13	70
1110513	1	13	80
1110514	1-1/16	13	85
1110515	1-1/8	13	90

11106 Rectangular Box End 14*18mm



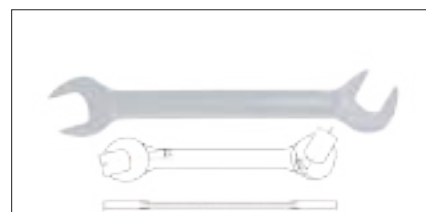
Number	S inch	H mm	Δ g
1110601	1/4	8	70
1110602	5/16	8	70
1110603	3/8	8	70
1110604	7/16	8	70
1110605	1/2	11	115
1110606	9/16	11	115
1110607	5/8	11	115
1110608	11/16	11	115
1110609	3/4	12	140
1110610	13/16	12	140
1110611	7/8	14	155
1110612	15/16	14	155
1110613	1	16	185

11106 Rectangular Box End 14*18mm



Number	S inch	H mm	Δ g
1110614	1-1/16	16	185
1110615	1-1/8	18	225
1110616	1-3/16	18	225
1110617	1-1/4	18	225
1110618	1-5/16	19	240
1110619	1-3/8	19	240
1110620	1-7/16	19	240
1110621	1-1/2	20	280
1110622	1-9/16	20	280
1110623	1-5/8	20	280
1110624	1-11/16	20	290
1110625	1-3/4	20	300
1110626	1-13/16	20	310
1110627	1-7/8	20	330
1110628	2	20	340

11201 Wrench, Double Open End 15° / 60°



Number	S mm	L mm	Δ g
1120101	14	164	85
1120102	17	191	140
1120103	19	210	170
1120104	22	239	240
1120105	24	254	280
1120106	27	283	400

11202 Wrench, Double Box Offset S Type



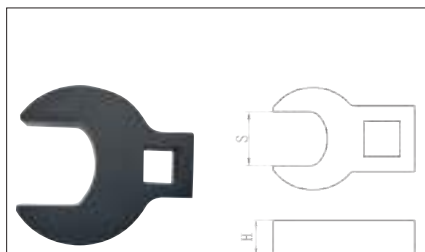
Number	S1xS2 mm	L mm	Δ g
1120201	10*12	140	50
1120202	11*13	155	80
1120203	14*15	173	110
1120204	16*18	190	150
1120205	17*19	220	180

11203 Wrench, Double Box Offset C Type



Number	S1xS2 inch	L mm	Δ g
1120301	7/16*1/2	145	95
1120302	9/16*5/8	170	120
1120303	5/8*3/4	185	160

11301 Crow Foot Open End 3/8"



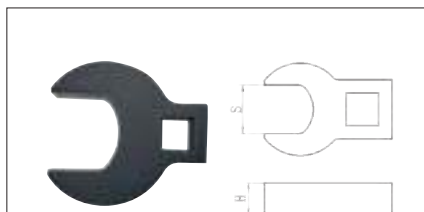
Number	S mm	H mm	g
1130101	10	10	40
1130102	11	10	40
1130103	12	10	40
1130104	13	10	40
1130105	14	10	50
1130106	15	10	50
1130107	16	10	50
1130108	17	10	50
1130109	18	10	70
1130110	19	10	70
1130111	22	10	80
1130112	24	10	90

11302 Crow Foot Open End 3/8" Inch



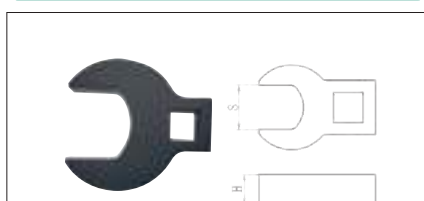
Number	S inch	H mm	g
1130201	7/16	10	40
1130202	1/2	10	40
1130203	9/16	10	50
1130204	5/8	10	50
1130205	11/16	10	50
1130206	3/4	10	70
1130207	13/16	10	80
1130208	7/8	10	80
1130209	15/16	10	90
1130210	1	10	110

11303 Crow Foot Open End 1/2"



Number	S mm	H mm	g
1130301	10	12	55
1130302	11	12	55
1130303	12	12	60
1130304	13	12	60
1130305	14	12	65
1130306	15	12	65
1130307	16	12	65
1130308	17	12	65
1130309	18	12	90
1130310	19	12	90
1130311	20	12	90
1130312	21	12	130
1130313	22	12	130
1130314	23	12	135
1130315	24	12	135
1130316	25	12	150
1130317	26	12	150
1130318	27	12	150
1130319	28	12	150
1130320	30	12	180
1130321	32	12	180
1130322	36	12	205
1130323	38	12	225
1130324	41	12	255
1130325	46	12	310
1130326	50	12	365
1130327	55	12	435

11304 Crow Foot Open End 1/2" Inch



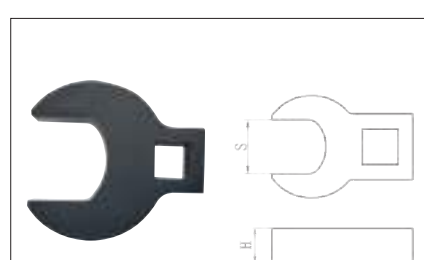
Number	S inch	H mm	g
1130401	3/8	12	55
1130402	7/16	12	55
1130403	1/2	12	60
1130404	9/16	12	65
1130405	5/8	12	65
1130406	11/16	12	65
1130407	3/4	12	90
1130408	13/16	12	130
1130409	7/8	12	130
1130410	15/16	12	135
1130411	1	12	150
1130412	1-1/8	12	150
1130413	1-1/4	12	180

11305 Crow Foot Open End 3/4"



Number	S mm	H mm	g
1130501	24	14	170
1130502	30	14	225
1130503	32	14	225
1130504	34	14	250
1130505	36	14	250
1130506	38	14	265
1130507	41	14	320
1130508	46	14	370
1130509	50	14	450
1130510	55	14	510
1130511	60	14	625
1130512	65	14	720
1130513	70	14	820
1130514	75	14	930
1130515	80	14	1045

11306 Crow Foot Open End 1"



Number	S mm	H mm	g
1130601	24	16	310
1130602	27	16	310
1130603	30	16	350
1130604	32	16	350
1130605	34	16	385
1130606	36	16	385
1130607	41	16	460
1130608	46	16	515
1130609	50	16	610
1130610	55	16	680



Rawhide Hammer

Rawhide Hammer

P367--P370



Rawhide Hammer P367-P370

(55) 1210101-1270804

12101 Rawhide Hammer



Number	D mm	L mm	g
1210101	32	255	160
1210102	38	255	190
1210103	44	295	290
1210104	50	295	320

12201 Steel Rawhide Hammer



Number	D mm	L mm	g
1220101	32	280	725
1220102	38	300	1050
1220103	44	320	1650
1220104	48	360	2500

12301 Stainless Steel Rawhide Hammer



Number	D mm	L mm	g
1230101	32	280	725
1230102	38	300	1050
1230103	44	320	1650
1230104	48	360	2500

12401 Brass Rawhide Hammer



Number	D mm	L mm	g
1240101	32	280	725
1240102	38	300	1050
1240103	44	320	1650
1240104	48	360	2500

12501 Copper Rawhide Hammer



Number	D mm	L mm	g
1250101	32	280	725
1250102	38	300	1050
1250103	44	320	1650
1250104	48	360	2500

12601 Brass & Steel Rawhide Hammer



Number	D mm	L mm	g
1260101	32	280	725
1260102	38	300	1050
1260103	44	320	1650
1260104	48	360	2500

12701 Copper & Steel Rawhide Hammer



Number	D mm	L mm	g
1270101	32	280	725
1270102	38	300	1050
1270103	44	320	1650
1270104	48	360	2500

Rawhide Hammer



Instructions

Types of Rawhide Hammers

Rawhide hammers are available with wooden or plastic handles, and the hammer heads come in various material combinations. Featuring fine craftsmanship and an aesthetic, comfortable design.

Elastic Impact Force

The elastic striking face of a rawhide hammer disperses impact force, preventing localized overload damage to the workpiece while delivering controlled striking feedback. For example, rawhide hammer heads maintain toughness and elasticity during use, ensuring even impact without leaving marks.

Wide Range of Applications

Suitable for metalworking, woodworking repair, mechanical maintenance, and handicraft production. Meets both industrial demands and everyday repair or precision operation needs.

Durability and Comfort

Rawhide hammers are typically made from high-quality leather or rawhide, offering excellent wear resistance and long service life. The wooden handle features an ergonomic design for improved grip comfort and reduced fatigue.

12702 Rawhide Hammer



Number	D mm	L mm	⚖ g
1270201	32	280	130
1270202	38	300	170
1270203	44	320	260
1270204	48	360	290

12705 Brass Rawhide Hammer



Number	D mm	L mm	⚖ g
1270501	32	280	725
1270502	38	300	1050
1270503	44	320	1650
1270504	48	360	2500

12708 Copper & Steel Rawhide Hammer



Number	D mm	L mm	⚖ g
1270801	32	280	725
1270802	38	300	1050
1270803	44	320	1650
1270804	48	360	2500

12703 Steel Rawhide Hammer



Number	D mm	L mm	⚖ g
1270301	32	280	725
1270302	38	300	1050
1270303	44	320	1650
1270304	48	360	2500

12706 Copper Rawhide Hammer



Number	D mm	L mm	⚖ g
1270601	32	280	725
1270602	38	300	1050
1270603	44	320	1650
1270604	48	360	2500

Rawhide Hammer



12704 Stainless Steel Rawhide Hammer



Number	D mm	L mm	⚖ g
1270401	32	280	725
1270402	38	300	1050
1270403	44	320	1650
1270404	48	360	2500

12707 Brass & Steel Rawhide Hammer



Number	D mm	L mm	⚖ g
1270701	32	280	725
1270702	38	300	1050
1270703	44	320	1650
1270704	48	360	2500



Instructions

Types of Rawhide Hammers

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Wide Range of Applications

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Durability and Comfort

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Heavy Duty Pipe Wrench

Patent No.: 202230220971.2





HBT908 is a low-copper alloy non-sparking material independently developed by us, with patent number: ZL2022 1 1143318.6. It features non-magnetic, non-sparking, wear-resistant, and corrosion-resistant properties. Its non-sparking rating reaches EXIIC level, with a copper content of less than 60%. It is specifically designed for hazardous environments containing acetylene flammable explosive gases to prevent excessive copper from reacting with acetylene to form copper acetylide, which could cause an explosion.

Specialty Products for
Acetylene Environments

P371-P376



HBT908 P371-P376

(56) 1310101-1350208

13101 Socket 6 Point (C=1/4")



Number	S mm	L mm	(g)
1310101	4	25	15
1310102	4.5	25	15
1310103	5	25	15
1310104	5.5	25	15
1310105	6	25	15
1310106	7	25	16
1310107	8	25	16
1310108	9	25	20
1310109	10	25	21
1310110	11	25	25
1310111	12	25	30
1310112	13	25	30
1310113	14	25	35
1310114	15	27	40
1310115	16	27	40
1310116	17	27	50
1310117	18	27	50
1310118	19	27	51

13102 Socket 12 Point (C=3/8")



Number	S mm	L mm	(g)
1310201	5	28	33
1310202	5.5	28	33
1310203	6	28	34
1310204	7	28	34
1310205	8	28	35
1310206	9	28	35
1310207	10	32	51
1310208	11	32	51
1310209	12	32	51
1310210	13	32	51
1310211	14	32	58
1310212	15	32	58
1310213	16	32	58
1310214	17	32	63
1310215	18	32	69
1310216	19	32	70
1310217	20	32	76

13103 Socket 12 Point (C=1/2")



Number	S mm	L mm	(g)
1310301	8	40	84
1310302	9	40	85
1310303	10	40	86
1310304	11	40	87
1310305	12	40	88
1310306	13	40	90
1310307	14	40	93
1310308	15	40	96
1310309	16	40	100
1310310	17	40	101
1310311	18	42	102
1310312	19	42	107
1310313	20	42	119
1310314	22	42	123
1310315	24	44	165
1310316	25	44	184
1310317	26	44	188
1310318	27	46	216
1310319	30	46	255
1310320	32	46	274

13104 Socket 12 Point (C=3/4")



Number	S mm	L mm	(g)
1310401	17	50	240
1310402	18	50	240
1310403	19	50	245
1310404	21	55	280
1310405	22	55	292
1310406	23	55	322
1310407	24	55	322
1310408	25	55	322
1310409	26	55	324
1310410	27	55	330
1310411	28	55	351
1310412	30	60	415
1310413	32	60	445
1310414	36	60	502
1310415	38	60	556
1310416	41	60	600
1310417	46	65	868
1310418	50	70	940

13105 Socket 12 Point (C=1")



Number	S mm	L mm	(g)
1310501	17	55	381
1310502	19	55	384
1310503	22	55	391
1310504	24	55	395
1310505	25	55	406
1310506	26	55	407
1310507	27	55	408
1310508	28	55	427
1310509	29	55	440
1310510	30	60	488
1310511	31	60	491
1310512	32	60	493
1310513	34	60	530
1310514	36	65	595
1310515	38	65	632
1310516	41	70	699
1310517	46	75	844
1310518	50	75	913
1310519	55	80	1167
1310520	60	85	1355
1310521	65	90	1911
1310522	70	90	2212
1310523	75	95	2548

13201 Adjustable Wrench



Number	L mm	Kmax mm	(g)
1320101	100	13	45
1320102	150	18	145
1320103	200	24	295
1320104	250	30	505
1320105	300	36	800
1320106	375	46	1470
1320107	450	55	2205

13202 Wrench, Pipe



Number	L mm	D mm	ΔΔ (g)
1320201	200	25	425
1320202	250	30	605
1320203	300	40	880
1320204	350	50	1255
1320205	450	60	1760

13203 Wrench, Combination



Number	S mm	L mm	ΔΔ (g)
1320301	8	120	40
1320302	10	135	45
1320303	12	150	65
1320304	14	175	90
1320305	17	195	140
1320306	19	215	180
1320307	22	245	280
1320308	24	265	320
1320309	27	290	500
1320310	30	320	700
1320311	32	340	780

13203 Wrench, Combination



Number	S mm	L mm	ΔΔ (g)
1320312	6	130	38
1320313	8	155	68
1320314	10	155	95
1320315	12	175	110
1320316	14	195	160
1320317	17	210	210
1320318	19	235	270
1320319	22	260	352
1320320	24	285	430
1320321	27	310	545
1320322	30	335	670
1320323	32	365	830
1320324	36	390	980

13204 Wrench, Striking Open



Number	S mm	L mm	ΔΔ (g)
1320401	17	125	144
1320402	19	125	178
1320403	22	135	205
1320404	24	150	231
1320405	27	175	398
1320406	30	190	526
1320407	32	200	545
1320408	34	210	778
1320409	36	210	768
1320410	38	220	953
1320411	41	230	1063
1320412	46	250	1340
1320413	50	275	1588

13205 Wrench, Double Open End



Number	S1*S2 mm	L mm	ΔΔ (g)
1320501	6*7	100	24
1320502	8*10	115	37
1320503	10*12	130	61
1320504	12*14	145	88
1320505	14*17	160	106
1320506	17*19	175	242
1320507	19*22	190	216
1320508	22*24	205	301
1320509	24*27	230	388
1320510	27*30	255	668
1320511	30*32	270	645

13205 Wrench, Double Open End



Number	S1*S2 mm	L mm	ΔΔ (g)
1320512	6*7	125	40
1320513	8*10	135	50
1320514	10*12	150	78
1320515	12*14	160	100
1320516	14*17	175	155
1320517	17*19	190	180
1320518	19*22	205	225
1320519	22*24	220	300
1320520	24*27	235	410
1320521	27*30	260	545
1320522	30*32	280	670
1320523	32*36	315	990
1320524	36*41	355	1540
1320525	41*46	390	1870
1320526	46*50	420	2180

13206 Wrench, Double Box Offset



Number	S1*S2 mm	L mm	ΔΔ (g)
1320601	6*7	175	29
1320602	8*10	185	40
1320603	10*12	195	69
1320604	12*14	220	90
1320605	14*17	250	193
1320606	17*19	280	256
1320607	19*22	300	366
1320608	22*24	315	433
1320609	24*27	330	570
1320610	27*30	350	692
1320611	30*32	370	783

13206 Wrench, Double Box Offset



Number	S1*S2 mm	L mm	⚖ (g)
1320612	6*7	185	40
1320613	8*10	200	60
1320614	10*12	216	100
1320615	12*14	233	130
1320616	14*17	251	215
1320617	17*19	270	270
1320618	19*22	290	380
1320619	22*24	312	430
1320620	24*27	335	570
1320621	27*30	359	690
1320622	30*32	385	800
1320623	32*36	415	1200
1320624	36*41	445	1470
1320625	41*46	475	2350
1320626	46*50	505	2800

13207 Wrench, Striking Box



Number	S mm	L mm	⚖ (g)
1320701	17	145	148
1320702	19	145	137
1320703	22	155	212
1320704	24	165	229
1320705	27	175	331
1320706	30	185	446
1320707	32	185	449
1320708	36	205	623
1320709	41	225	746
1320710	46	235	992
1320711	50	250	1126
1320712	55	265	1341
1320713	60	275	1693

13208 Wrench, Hex Key



Number	S mm	L mm	H mm	⚖ (g)
1320801	1.5	60	25	5
1320802	2	60	25	5
1320803	2.5	60	25	5
1320804	3	60	25	8
1320805	4	65	30	8
1320806	5	80	32	15
1320807	6	85	36	25
1320808	7	90	43	35
1320809	8	95	44	51
1320810	9	100	44	109
1320811	10	110	45	92
1320812	11	120	48	111
1320813	12	130	52	143

13208 Wrench, Hex Key



Number	S mm	L mm	H mm	⚖ (g)
1320814	1.5	50	15	5
1320815	2	55	18	6
1320816	2.5	60	20	7
1320817	3	70	23	9
1320818	4	80	29	15
1320819	5	90	33	20
1320820	6	100	38	28
1320821	7	110	41	40
1320822	8	125	44	60
1320823	9	140	47	85
1320824	10	155	50	115
1320825	11	170	53	150
1320826	12	185	57	190
1320827	13	205	63	235
1320828	14	225	70	290

13209 Oxygen Bottle Wrench



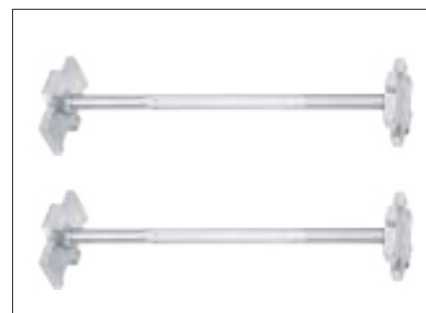
Number	C mm	L mm	⚖ (g)
1320901	8	154	204
1320902	10	154	198

13210 Wrench, Bung



Number	L mm	H mm	⚖ (g)
1321001	300	70	766
1321002	400	70	990

13211 Wrench, Bung



Number	L mm	H1 mm	H2 mm	⚖ (g)
1321101	350	36	95	1170

13301 Hammer, Claw



Number	H g	L mm	⚖ (g)
1330101	230	280	230
1330102	340	280	340
1330103	450	300	450
1330104	680	330	680
1330105	910	375	910

13302 Hammer, Cross Pein Engineers'



Number	H g	L mm	⚖ (g)
1330201	100	280	255
1330202	200	280	200
1330203	300	280	300
1330204	400	310	400
1330205	500	310	500
1330206	800	350	800
1330207	1000	350	1000

13303 Hammer, Ball Pein



Number	H g	L mm	⚖ (g)
1330301	230	290	230
1330302	340	310	340
1330303	450	340	450
1330304	680	365	680
1330305	910	400	910
1330306	1130	430	1130

13304 Hammer, Scaling



Number	H g	L mm	⚖ (g)
1330401	150	280	305
1330402	300	280	470

13305 Hammer, Sledge



Number	Size LB	L mm	⚖ (g)
1330501	1	310	710
1330502	2	350	1220
1330503	3	400	1945
1330504	4	400	2345
1330505	5	400	2990
1330506	6	700	3770
1330507	8	700	4670

13306 Hammer, Testing



Number	H g	L mm	⚖ (g)
1330601	150	280	270
1330602	250	280	405

13401 Knife, Common



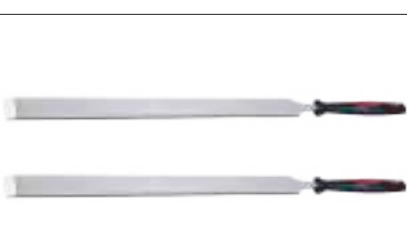
Number	L mm	L1 mm	⚖ (g)
1340101	80	193	90
1340102	137	250	105

13402 Knife, Putty



Number	K mm	L mm	⚖ (g)
1340201	25	203	85
1340202	40	203	90
1340203	50	203	95
1340204	65	203	100
1340205	75	203	110
1340206	100	203	125
1340207	150	253	280

13403 Scraper



Number	B mm	L mm	L1 mm	⚖ (g)
1340301	30	200	325	330
1340302	30	300	430	480
1340303	35	350	490	640
1340304	50	350	525	953
1340305	60	400	575	1115

13405 Scraper



Number	B mm	L mm	⚖️ (g)
1340501	50	690	550
1340502	75	705	750
1340503	100	720	850
1340504	150	765	1400

13406 Chisel, Flat



Number	Φ mm	B mm	L mm	⚖️ (g)
1340601	14	15	160	202
1340602	15	16	150	220
1340603	16	17	160	265
1340604	18	19	160	330
1340605	18	19	200	420
1340606	19	20	200	445
1340607	20	22	200	507
1340608	24	26	250	881
1340609	24	26	300	1074
1340610	25	27	300	1167
1340611	25	27	400	1617
1340612	25	27	500	2030
1340613	30	33	300	1663
1340614	30	33	500	2968

13407 Bar, Pinch



Number	B mm	Φ mm	L mm	⚖️ (g)
1340701	17	15	500	740
1340702	18	16	600	1150
1340703	20	18	600	1224
1340704	21	19	500	1227
1340705	22	20	500	1290
1340706	24	22	800	2534
1340707	28	25	500	2112
1340708	28	25	600	2304
1340709	28	25	800	3074
1340710	28	25	1000	4006
1340711	31	28	1000	4821
1340712	33	30	800	4608
1340713	33	30	1000	5916
1340714	33	30	1500	8659

Titanium Copper Tools Set



13501 Slotted Screwdriver



Number	B mm	L1 mm	L mm	⚖️ (g)
1350101	3	50	135	35
1350102	3	75	160	35
1350103	4	75	160	45
1350104	4	100	185	45
1350105	5	75	180	70
1350106	5	100	205	75
1350107	6	100	215	85
1350108	6	125	240	100
1350109	6	150	265	110
1350110	7	150	265	125
1350111	8	150	275	140
1350112	8	200	325	165
1350113	9	250	375	185
1350114	10	300	425	245
1350115	11	250	375	260
1350116	11	300	425	290

13502 Phillips Screwdriver



Number	size	L1 mm	L mm	⚖️ (g)
1350201	PH0(Φ3)	50	135	35
1350202	PH1(Φ4)	75	160	70
1350203	PH1(Φ5)	100	205	75
1350204	PH2(Φ6)	125	240	100
1350205	PH2(Φ6)	150	265	110
1350206	PH3(Φ8)	200	325	165
1350207	PH3(Φ8)	250	375	185
1350208	PH4(Φ9)	300	425	245

Patent Product: Titanium Copper Alloy Non-Sparking Tools P377-P382



Titanium Copper Alloy is a new type of non-sparking material independently developed by our company, with patent number: ZL202010053601.4. This material features non-magnetic, non-sparking, wear-resistant, and corrosion-resistant properties. Its non-sparking rating reaches Ex IIC level. It can be used as a substitute for Beryllium Copper in strong magnetic fields and flammable/explosive environments, eliminating explosion hazards and ensuring national property and personal safety.

Titanium Copper Alloy Tools

P377-P382

57 1510101-1560208

15101 Socket 6 Point (C=1/4")



Number	S mm	L mm	⚖ (g)
1510101	4	25	15
1510102	4.5	25	15
1510103	5	25	15
1510104	5.5	25	15
1510105	6	25	15
1510106	7	25	16
1510107	8	25	16
1510108	9	25	20
1510109	10	25	21
1510110	11	25	25
1510111	12	25	30
1510112	13	25	30
1510113	14	25	35
1510114	15	27	40
1510115	16	27	40
1510116	17	27	50
1510117	18	27	50
1510118	19	27	51

15102 Socket 12 Point (C=3/8")



Number	S mm	L mm	⚖ (g)
1510201	5	28	33
1510202	5.5	28	33
1510203	6	28	34
1510204	7	28	34
1510205	8	28	35
1510206	9	28	35
1510207	10	32	51
1510208	11	32	51
1510209	12	32	51
1510210	13	32	51
1510211	14	32	58
1510212	15	32	58
1510213	16	32	58
1510214	17	32	63
1510215	18	32	69
1510216	19	32	70
1510217	20	32	76

15103 Socket 12 Point (C=1/2")



Number	S mm	L mm	⚖ (g)
1510301	8	40	84
1510302	9	40	85
1510303	10	40	86
1510304	11	40	87
1510305	12	40	88
1510306	13	40	90
1510307	14	40	93
1510308	15	40	96
1510309	16	40	100
1510310	17	40	101
1510311	18	42	102
1510312	19	42	107
1510313	20	42	119
1510314	21	42	121
1510315	22	42	123
1510316	23	44	147
1510317	24	44	165
1510318	25	44	184
1510319	26	44	188
1510320	27	46	216
1510321	28	46	219
1510322	30	46	255
1510323	32	46	274

15104 Socket 12 Point (C=3/4")



Number	S mm	L mm	⚖ (g)
1510401	17	50	240
1510402	18	50	240
1510403	19	50	245
1510404	21	55	280
1510405	22	55	292
1510406	23	55	322
1510407	24	55	322

15104 Socket 12 Point (C=3/4")



Number	S mm	L mm	⚖ (g)
1510408	25	55	322
1510409	26	55	324
1510410	27	55	330
1510411	28	55	351
1510412	30	60	415
1510413	31	60	430
1510414	32	60	445
1510415	34	60	486
1510416	36	60	502
1510417	38	60	556
1510418	41	60	600
1510419	46	65	868
1510420	50	70	940

15105 Socket 12 Point (C=1")



Number	S mm	L mm	⚖ (g)
1510501	17	55	381
1510502	19	55	384
1510503	22	55	391
1510504	24	55	395
1510505	25	55	406
1510506	26	55	407
1510507	27	55	408
1510508	28	55	427
1510509	29	55	440
1510510	30	60	488
1510511	31	60	491
1510512	32	60	493
1510513	34	60	530
1510514	36	65	595
1510515	38	65	632
1510516	41	70	699
1510517	46	75	844
1510518	50	75	913
1510519	55	80	1167
1510520	60	85	1355
1510521	65	90	1911
1510522	70	90	2212

15201 Adjustable Wrench



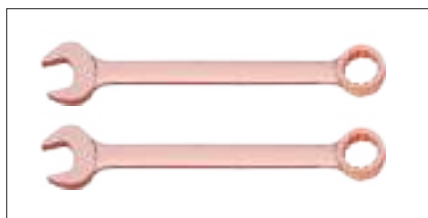
Number	L mm	Kmax mm	ΔT (g)
1520101	100	13	45
1520102	150	18	145
1520103	200	24	295
1520104	250	30	505
1520105	300	36	800
1520106	375	46	1470
1520107	450	55	2205

15202 Wrench, Pipe



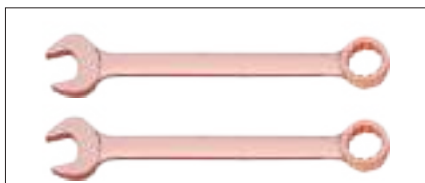
Number	L mm	D mm	ΔT (g)
1520201	200	25	425
1520202	250	30	605
1520203	300	40	880
1520204	350	50	1255
1520205	450	60	1760

15203 Wrench, Combination



Number	S mm	L mm	ΔT (g)
1520301	8	120	40
1520302	10	135	45
1520303	12	150	65
1520304	14	175	90
1520305	17	195	140
1520306	19	215	180
1520307	22	245	280
1520308	24	265	320
1520309	27	290	500
1520310	30	320	700
1520311	32	340	780

15203 Wrench, Combination Long Type



Number	S mm	L mm	ΔT (g)
1520312	6	130	38
1520313	8	155	68
1520314	10	155	95
1520315	12	175	110
1520316	14	195	160
1520317	17	210	210
1520318	19	235	270
1520319	22	260	352
1520320	24	285	430
1520321	27	310	545
1520322	30	335	670
1520323	32	365	830
1520324	36	390	980

15204 Wrench, Striking Open



Number	S mm	L mm	ΔT (g)
1520401	17	125	144
1520402	19	125	178
1520403	22	135	205
1520404	24	150	231
1520405	27	175	398
1520406	30	190	526
1520407	32	200	545
1520408	34	210	778
1520409	36	210	768
1520410	38	220	953
1520411	41	230	1063
1520412	46	250	1340
1520413	50	275	1588

15205 Wrench, Double Open End



Number	S1*S2 mm	L mm	ΔT (g)
1520501	6*7	90	24
1520502	8*10	100	37
1520503	10*12	120	61

15205 Wrench, Double Open End



Number	S1*S2 mm	L mm	ΔT (g)
1520504	12*14	130	88
1520505	14*17	150	106
1520506	17*19	170	242
1520507	19*22	185	216
1520508	22*24	210	301
1520509	24*27	230	388
1520510	27*30	250	668
1520511	30*32	265	645

15205 Wrench, Double Open End Long Type



Number	S1*S2 mm	L mm	ΔT (g)
1520512	6*7	125	40
1520513	8*10	135	50
1520514	10*12	150	78
1520515	12*14	160	100
1520516	14*17	175	155
1520517	17*19	190	180
1520518	19*22	205	225
1520519	22*24	220	300
1520520	24*27	235	410
1520521	27*30	260	545
1520522	30*32	280	670
1520523	32*36	315	990
1520524	36*41	355	1540
1520525	41*46	390	1870
1520526	46*50	420	2180



15206 Wrench, Double Box Offset



Number	S1*S2 mm	L mm	ΔTΔ (g)
1520601	6*7	115	29
1520602	8*10	130	40
1520603	10*12	140	69
1520604	12*14	160	90
1520605	14*17	220	193
1520606	17*19	250	256
1520607	19*22	280	366
1520608	22*24	320	433
1520609	24*27	340	570
1520610	27*30	360	692
1520611	30*32	380	783

15206 Wrench, Double Box Offset Long Type



Number	S1*S2 mm	L mm	ΔTΔ (g)
1520612	6*7	185	40
1520613	8*10	200	60
1520614	10*12	215	100
1520615	12*14	235	130
1520616	14*17	250	215
1520617	17*19	270	270
1520618	19*22	290	380
1520619	22*24	310	430
1520620	24*27	335	570
1520621	27*30	360	690
1520622	30*32	385	800
1520623	32*36	415	1200
1520624	36*41	445	1470
1520625	41*46	475	2350
1520626	46*50	505	2800

15207 Wrench, Striking Box



Number	S mm	L mm	ΔTΔ (g)
1520701	17	145	148
1520702	19	145	137
1520703	22	155	212
1520704	24	165	229
1520705	27	175	331
1520706	30	185	446
1520707	32	185	449
1520708	36	205	623
1520709	41	225	746
1520710	46	235	992
1520711	50	250	1126
1520712	55	265	1341
1520713	60	275	1693

15208 Wrench, Hex Key



Number	S mm	L mm	H mm	ΔTΔ (g)
1520801	1.5	50	15	5
1520802	2	55	18	6
1520803	2.5	60	20	7
1520804	3	70	23	9
1520805	4	80	29	15
1520806	5	90	33	20
1520807	6	100	38	28
1520808	7	110	41	40
1520809	8	125	44	60
1520810	9	140	47	85
1520811	10	155	50	115
1520812	11	170	53	150
1520813	12	185	57	190
1520814	13	205	63	235
1520815	14	220	70	290

15209 Oxygen Bpttle Wrench



Number	C mm	L mm	ΔTΔ (g)
1520901	8	155	204
1520902	10	155	198

15210 Wrench, Bung



Number	L mm	H mm	ΔTΔ (g)
1521001	300	70	766
1521002	400	70	990

15211 Wrench, Bung



Number	L mm	H1 mm	H2 mm	ΔTΔ (g)
1521101	350	36	95	1170

15301 Hammer, Claw



Number	H g	L mm	ΔTΔ (g)
1530101	230	280	230
1530102	340	280	340
1530103	450	300	450
1530104	680	330	680
1530105	910	375	910

15302 Hammer, Cross Pein Engineers'



Number	H g	L mm	ΔTΔ (g)
1530201	100	280	100
1530202	200	280	200
1530203	300	280	300
1530204	400	310	400
1530205	500	310	500
1530206	800	350	800
1530207	1000	350	1000

15303 Hammer, Ball Pein



Number	H g	L mm	Δ (g)
1530301	230	290	230
1530302	340	310	340
1530303	450	340	450
1530304	680	365	680
1530305	910	400	910
1530306	1130	430	1130

15304 Hammer, Scaling



Number	H g	L mm	Δ (g)
1530401	150	280	305
1530402	300	280	470

15305 Hammer, Sledge



Number	Size LB	L mm	Δ (g)
1530501	1	310	710
1530502	2	350	1220
1530503	3	400	1945
1530504	4	400	2345
1530505	5	400	2990
1530506	6	700	3770
1530507	8	700	4670

15306 Hammer, Testing



Number	H g	L mm	Δ (g)
1530601	150	280	270
1530602	250	280	405

15307 Shovel, Square



Number	L mm	B mm	Δ (g)
1530701	870	195	1391
1530702	940	240	1921

15308 Shovel, Round Point



Number	L mm	B mm	H mm	Δ (g)
1530801	930	230	420	1660

15309 Duat Pan



Number	L mm	B mm	H mm	Δ (g)
1530901	990	280	520	2790

15401 Knife, Common



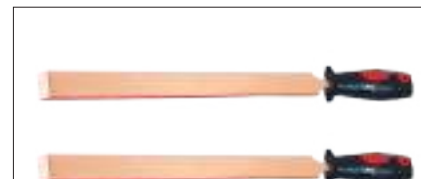
Number	L mm	L1 mm	Δ (g)
1540101	80	195	90
1540102	137	250	105

15402 Knife, Putty



Number	K mm	L mm	Δ (g)
1540201	25	200	85
1540202	40	200	90
1540203	50	200	95
1540204	65	200	100
1540205	75	200	110
1540206	100	200	125
1540207	150	255	280

15403 Scraper



Number	B mm	L mm	L1 mm	Δ (g)
1540301	30	200	325	330
1540302	30	300	430	480
1540303	35	350	490	640
1540304	50	350	525	953
1540305	60	400	575	1115

15404 Scraper



Number	B mm	L1 mm	L mm	Δ (g)
1540401	50	90	690	550
1540402	75	100	705	750
1540403	100	115	720	850
1540404	150	150	765	1400

15405 Chisel, Flat



Number	Φ mm	B mm	L mm	⚖️ (g)
1540501	14	15	160	202
1540502	16	17	160	265
1540503	18	19	160	330
1540504	18	19	200	420
1540505	20	22	200	507
1540506	24	26	250	881
1540507	24	26	300	1074
1540508	25	27	300	1167
1540509	25	27	400	1617
1540510	25	27	500	2030
1540511	30	33	500	2968

15406 Bar, Pinch



Number	B mm	Φ mm	L mm	⚖️ (g)
1540601	17	15	500	740
1540602	18	16	600	1150
1540603	20	18	600	1224
1540604	21	19	500	1227
1540605	22	20	500	1290
1540606	24	22	800	2534
1540607	28	25	500	2112
1540608	28	25	600	2304
1540609	28	25	800	3074
1540610	28	25	1000	4006
1540611	31	28	1000	4821
1540612	33	30	800	4608
1540613	33	30	1000	5916
1540614	33	30	1500	8659

15501 Pliers, Lineman



Number	L inch	L mm	⚖️ (g)
1550101	6	150	250
1550102	7	175	355
1550103	8	200	410

15502 Pliers, Diagonal Cutting



Number	L inch	L mm	⚖️ (g)
1550201	6	150	220
1550202	8	200	410

15503 Pliers, Water Pump



Number	L inch	L mm	Kmax mm	⚖️ (g)
1550301	10	250	32	325
1550302	12	300	52	665

15504 Pliers, Long Nose



Number	L inch	L mm	⚖️ (g)
1550401	6	150	190
1550402	8	200	335

15601 Slotted Screwdriver



Number	B mm	L1 mm	L mm	⚖️ (g)
1560101	3	50	134	35
1560102	3	75	159	35
1560103	4	75	159	45
1560104	4	100	184	45
1560105	5	75	180	70
1560106	5	100	205	75
1560107	6	100	215	85
1560108	6	125	240	100
1560109	6	150	265	110
1560110	7	150	265	125
1560111	8	150	277	140
1560112	8	200	327	165
1560113	9	250	377	185
1560114	10	300	427	245
1560115	11	250	377	260
1560116	11	300	427	290

15602 Phillips Screwdriver



Number	size	L1 mm	L mm	⚖️ (g)
1560201	PH0(Φ3)	50	134	35
1560202	PH1(Φ4)	75	159	70
1560203	PH1(Φ5)	100	205	75
1560204	PH2(Φ6)	125	240	100
1560205	PH2(Φ6)	150	265	110
1560206	PH3(Φ8)	200	327	165
1560207	PH3(Φ8)	250	377	185
1560208	PH4(Φ9)	300	427	245



Al-Cu Torque Wrench Plug



P383-P387



Be-Cu Torque Wrench Plug



Torque Wrench Plug P383-P388

(58) 1610101-1612704

16101 Crow Foot Open End (C=3/8")



Number	S mm	Be-Cu (g)	Al-Cu (g)
1610101	9	33	30
1610102	10	50	45
1610103	11	50	45
1610104	12	50	45
1610105	13	50	45
1610106	14	50	45
1610107	15	50	45
1610108	16	50	45
1610109	17	50	45
1610110	18	61	55
1610111	19	61	55
1610112	20	72	65
1610113	21	72	65
1610114	22	72	65
1610115	23	99	90
1610116	24	99	90
1610117	25	99	90
1610118	26	99	90
1610119	27	99	90
1610120	28	99	90
1610121	30	127	115
1610122	32	127	115
1610123	36	182	165
1610124	41	215	195

16102 Crow Foot Open End Inch (C=3/8")



Number	S inch	Be-Cu (g)	Al-Cu (g)
1610201	3/8	72	65
1610202	7/16	72	65
1610203	1/2	72	65
1610204	9/16	87	78
1610205	5/8	93	84
1610206	11/16	105	95
1610207	3/4	110	99
1610208	13/16	117	105
1610209	7/8	122	110
1610210	15/16	128	115
1610211	1	135	122
1610212	1-1/16	146	131
1610213	1-1/8	149	134
1610214	1-1/4	157	141
1610215	1-5/16	172	155
1610216	1-3/8	178	160
1610217	1-1/2	213	192
1610218	1-9/16	223	201
1610219	1-5/8	223	201
1610220	1-11/16	239	215
1610221	1-13/16	247	222
1610222	1-7/8	247	222
1610223	2	281	253
1610224	2-1/8	299	269
1610225	2-1/4	316	285

16103 Crow Foot Open End (C=1/2")



Number	S mm	Be-Cu (g)	Al-Cu (g)
1610301	10	71	65
1610302	11	71	65
1610303	12	71	65
1610304	13	71	65
1610305	14	71	65
1610306	16	83	75
1610307	17	83	75
1610308	18	99	90
1610309	19	99	90
1610310	20	138	125
1610311	21	138	125
1610312	22	154	140
1610313	23	154	140
1610314	24	154	140
1610315	25	160	145
1610316	27	165	150
1610317	28	182	165
1610318	30	204	185
1610319	32	204	185
1610320	34	231	210
1610321	36	231	210
1610322	41	325	295
1610323	46	429	390
1610324	50	462	420
1610325	55	556	505
1610326	60	622	565
1610327	65	693	630

16104 Crow Foot Open End Inch (C=1/2")



Number	S inch	Be-Cu (g)	Al-Cu (g)
1610401	3/8	71	65
1610402	7/16	71	65
1610403	1/2	71	65
1610404	9/16	71	65
1610405	5/8	83	75
1610406	11/16	83	75
1610407	3/4	99	90
1610408	7/8	154	140
1610409	15/16	254	140
1610410	1	160	145
1610411	1-1/16	165	150
1610412	1-1/8	182	165
1610413	1-3/16	204	185
1610414	1-1/4	204	185
1610415	1-5/16	231	200
1610416	1-7/16	231	205
1610417	1-5/8	325	295
1610418	2-1/4	622	565

16105 Crow Foot Open End (C=3/4")



Number	S mm	Be-Cu (g)	Al-Cu (g)
1610501	10	100	90
1610502	11	120	110
1610503	12	140	128
1610504	13	160	140
1610505	14	180	155
1610506	16	200	175
1610507	17	220	200
1610508	18	220	200
1610509	19	231	210
1610510	26	253	230
1610511	27	264	240
1610512	28	264	240
1610513	32	347	315
1610514	33	347	315
1610515	34	358	325
1610516	36	369	335
1610517	41	550	500
1610518	46	631	568
1610519	50	732	659
1610520	55	839	755

16106 Crow Foot Open End Inch (C=3/4")



Number	S inch	Be-Cu (g)	Al-Cu (g)
1610601	3/4	231	210
1610602	7/8	264	240
1610603	1-1/16	275	250
1610604	1-1/8	275	250
1610605	1-3/16	347	315
1610606	1-1/4	347	315
1610607	1-3/8	369	335
1610608	1-7/16	369	335
1610609	1-5/8	550	495
1610610	1-13/16	631	568

Crow Foot Wrench Instructions

Non-sparking torque wrench inserts and attachments, used with torque wrenches to precisely control the tightening torque of fasteners such as bolts and nuts. Their core function is to ensure that fasteners reach the preset torque value, preventing assembly issues or mechanical failures caused by over-tightening or under-tightening. Available in box-end, open-end, ratcheting, and adjustable wrench heads to meet various application needs.

16107 Crow Foot Open End (C=1")



Number	S mm	Be-Cu (g)	Al-Cu (g)
1610701	17	350	315
1610702	19	380	342
1610703	22	410	369
1610704	24	450	405
1610705	27	500	450
1610706	30	650	585
1610707	32	665	600
1610708	34	750	675
1610709	36	750	675
1610710	41	770	695
1610711	46	790	710
1610712	50	900	810

16108 Crow Foot Open End Inch (C=1")

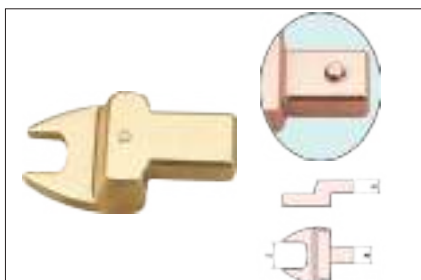


Number	S inch	Be-Cu (g)	Al-Cu (g)
1610801	1-1/2	770	695
1610802	1-5/8	770	695
1610803	1-3/4	790	710
1610804	2	900	810
1610805	2-3/16	1050	945
1610806	2-3/8	1150	1035

Crow Foot Wrench Instructions

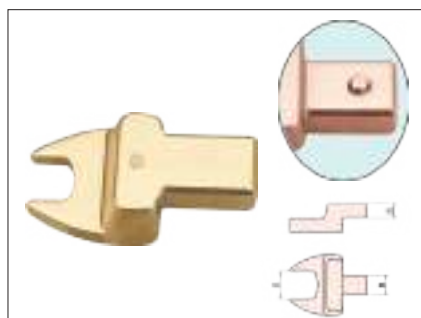
Non-sparking torque wrench inserts and attachments, used with torque wrenches to precisely control the tightening torque of fasteners such as bolts and nuts. Their core function is to ensure that fasteners reach the preset torque value, preventing assembly issues or mechanical failures caused by over-tightening or under-tightening. Available in box-end, open-end, ratcheting, and adjustable wrench heads to meet various application needs.

16109 Rectangular Open End 9*12mm



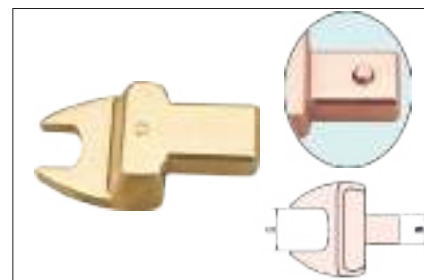
Number	S mm	Be-Cu (g)	Al-Cu (g)
1610901	7	45	40
1610902	8	45	40
1610903	9	48	42
1610904	10	48	42
1610905	11	48	42
1610906	12	50	43
1610907	13	50	43
1610908	14	60	52
1610909	15	60	52
1610910	16	70	60
1610911	17	70	60
1610912	18	85	74
1610913	19	85	74
1610914	20	95	86
1610915	22	95	86
1610916	23	104	94
1610917	24	104	94
1610918	27	124	112
1610919	28	124	112
1610920	30	145	131
1610921	32	145	131
1610922	33	156	140
1610923	34	156	140
1610924	35	173	156
1610925	36	173	156

16110 Rectangular Open End Inch 9*12mm



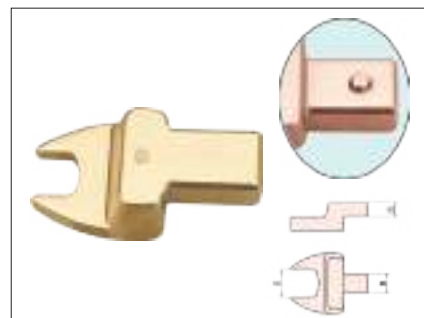
Number	S inch	Be-Cu (g)	Al-Cu (g)
1611001	1/4	46	42
1611002	5/16	50	45
1611003	3/8	55	50
1611004	7/16	64	58
1611005	1/2	63	57
1611006	5/8	127	115
1611007	3/4	138	125

16111 Rectangular Open End 14*18mm



Number	S mm	Be-Cu (g)	Al-Cu (g)
1611101	11	110	100
1611102	12	120	110
1611103	13	132	120
1611104	14	143	130
1611105	15	155	140
1611106	16	175	160
1611107	17	187	170
1611108	18	220	200
1611109	19	253	230
1611110	22	275	250
1611111	24	300	272
1611112	27	380	345
1611113	30	370	335
1611114	32	400	365
1611115	36	520	472
1611116	38	575	525
1611117	41	680	620
1611118	46	890	810
1611119	50	1155	1050

16112 Rectangular Open End Inch 14*18mm



Number	S inch	Be-Cu (g)	Al-Cu (g)
1611201	9/16	160	145
1611202	13/16	227	205
1611203	7/8	230	208
1611204	15/16	316	285
1611205	1-1/16	382	345
1611206	1-1/8	371	335
1611207	1-1/4	444	400
1611208	1-1/2	583	535
1611209	1-3/4	900	810

16113 Plug, Open End Wrench $\Phi 12$



Number	S mm	Be-Cu (g)	Al-Cu (g)
1611301	27	240	220
1611302	30	285	260
1611303	32	370	335
1611304	36	550	500

16114 Plug, Open End Wrench $\Phi 15$



Number	S mm	Be-Cu (g)	Al-Cu (g)
1611401	27	240	220
1611402	29	285	260
1611403	30	285	260
1611404	32	370	335
1611405	35	550	500
1611406	36	550	500

16115 Plug, Open End Wrench $\Phi 16$



Number	S mm	Be-Cu (g)	Al-Cu (g)
1611501	16	95	85
1611502	17	95	85
1611503	18	110	100
1611504	19	120	110
1611505	21	145	130
1611506	22	145	130
1611507	24	190	170
1611508	27	240	220
1611509	30	285	260
1611510	32	370	335
1611511	36	550	500

16116 Plug, Open End Wrench



Number	S mm	K mm	H mm	Be-Cu (g)	Al-Cu (g)
1611601	15	11.5	8	65	60
1611602	17	11.5	8	83	75
1611603	19	11.5	8	100	90
1611604	22	11.5	8	120	110
1611605	24	11.5	8	150	135
1611606	27	11.5	8	165	150
1611607	30	11.5	8	195	175
1611608	32	11.5	8	220	200
1611609	36	11.5	8	250	225
1611610	38	11.5	8	280	250

16117 Crow Foot Box End (C=3/8")



Number	S mm	Be-Cu (g)	Al-Cu (g)
1611701	10	35	30
1611702	11	35	30
1611703	12	40	35
1611704	13	40	35
1611705	14	45	40
1611706	15	45	40
1611707	16	50	45
1611708	17	50	45
1611709	18	55	50
1611710	19	55	50
1611711	22	70	65
1611712	24	85	75
1611713	27	115	105

16118 Crow Foot Box End Inch (C=3/8")



Number	S inch	Be-Cu (g)	Al-Cu (g)
1611801	7/16	35	30
1611802	1/2	40	35
1611803	9/16	45	40
1611804	5/8	50	45
1611805	11/16	55	50
1611806	3/4	55	50
1611807	13/16	70	65
1611808	7/8	85	76
1611809	15/16	100	90
1611810	1	110	100
1611811	1-1/16	115	105

16119 Crow Foot Box End 1/2"



Number	S mm	Be-Cu (g)	Al-Cu (g)
1611901	16	66	60
1611902	17	66	60
1611903	18	77	70
1611904	19	77	70
1611905	20	88	80
1611906	21	110	100
1611907	22	110	100
1611908	23	140	125
1611909	24	140	125
1611910	26	155	140
1611911	27	155	140
1611912	28	165	150
1611913	30	275	220
1611914	32	275	250
1611915	34	285	260
1611916	36	300	270
1611917	38	310	280
1611918	41	325	295
1611919	46	385	350
1611920	50	440	400
1611921	55	495	450
1611922	60	550	500

16120 Crow Foot Box End Inch1/2"



Number	S inch	Be-Cu (g)	Al-Cu (g)
1612001	7/8	80	70
1612002	1	85	75
1612003	1-1/16	90	80
1612004	1-1/8	100	90
1612005	1-1/4	145	130
1612006	1-5/16	170	150
1612007	1-1/2	190	170
1612008	1-5/8	210	180
1612009	2	230	200

16123 Ratchet Wrench



Number	C inch	H*B mm	Be-Cu (g)	Al-Cu (g)
1612301	3/8	9*12	165	150
1612302	1/2	14*18	445	400
1612303	3/4	14*18	445	400

16126 Crow Foot, Adjustable Wrench 9*12mm



Number	Kmax mm	Be-Cu (g)	Al-Cu (g)
1612601	18	115	105
1612602	24	180	165
1612603	30	300	280
1612604	36	450	400

16121 Rectangular Box End 9*12mm



Number	S mm	Be-Cu (g)	Al-Cu (g)
1612101	8	40	35
1612102	10	45	40
1612103	12	45	40
1612104	14	50	45
1612105	17	60	55
1612106	19	75	70

16124 Crow Foot, Adjustable Wrench (C=3/8")



Number	Kmax mm	Be-Cu (g)	Al-Cu (g)
1612401	18	115	105
1612402	24	180	165
1612403	30	300	280

16127 Crow Foot, Adjustable Wrench 14*18mm



Number	Kmax mm	Be-Cu (g)	Al-Cu (g)
1612701	18	150	135
1612702	24	215	195
1612703	30	340	310
1612704	36	475	430

16122 Rectangular Box End 14*18mm



Number	S mm	Be-Cu (g)	Al-Cu (g)
1612201	22	160	145
1612202	24	170	155
1612203	27	220	200
1612204	30	240	215
1612205	32	240	215
1612206	34	250	225
1612207	36	260	235
1612208	38	270	245
1612209	41	280	255

16125 Crow Foot, Adjustable Wrench (C=1/2")



Number	Kmax mm	Be-Cu (g)	Al-Cu (g)
1612501	18	125	115
1612502	24	190	175
1612503	30	330	300
1612504	36	475	430

Crow Foot Wrench Instructions

Non-sparking torque wrench inserts and attachments, used with torque wrenches to precisely control the tightening torque of fasteners such as bolts and nuts. Their core function is to ensure that fasteners reach the preset torque value, preventing assembly issues or mechanical failures caused by over-tightening or under-tightening. Available in box-end, open-end, ratcheting, and adjustable wrench heads to meet various application needs.

Large Adjustable Wrench



Number	Size
125009	750mm
125010	900mm
125011	1200mm

Be-Cu

Al-Cu

Heavy Duty Ratchet Wrench

Patent No.: 2001306558303



Number	Size
3347001	46mm
3347002	50mm
3347003	55mm
3347004	60mm
3347005	65mm
3347006	70mm
3347007	75mm
3347008	80mm
3347009	90mm



Stainless Steel Slip Joint Plier



Lock Torque Wrench-Window Display

