



WEDO[®]
TOOLS FOR SAFETY

WEDO



TOOLS FOR SAFETY
WE THE CRAFTSMEN DO SAFETY FIRST

WEDO TOOLS GmbH

ADD: Ludwig-Richter-Str.6,D-42329Wuppertal,DEUTSCHLAND

01.01.2025

2025

- ◆ NON-SPARKING TOOLS
- ◆ TITANIUM TOOLS
- ◆ INSULATED TOOLS
- ◆ STAINLESS CORROSIONRESISTANTTOOLS
- ◆ JUMBO TOOLS

PROFESSIONAL TOOLS



INTRODUCTION

WEDO TOOLS as an international professional enterprise, specializes in designing, researching, manufacturing, processing and marketing of hardware tools. WEDO develops six main product series, including Beryllium Copper non-sparking and non-magnetic tools, Aluminum Bronze non-sparking tools, Titanium non-magnetic tools, Stainless steel corrosion-resistant tools, VDE insulated tools and industrial-grade steel tools.

WEDO product lines cover more than 2000 models and over 30000 specifications. Processed by large friction pressing machines of different levels, and adopting the one-time die-forging technology, WEDO tools are completely in accordance with Germany DIN standard, America ASME standard or China GB standard. With a well-developed product quality monitoring system, WEDO also establishes its own physical and chemical analysis center for metallic alloy, mechanical performance testing center, explosion-proof and magnetic inspection laboratory. WEDO conducts strict control on each process from the selection of raw material until to the storage of finished products, therefore ensuring the 100% qualified rate before delivery out of the factory. WEDO not only sells and produces in China and Germany, but also exported to over 100 countries and regions all over the world. Meanwhile, in order to further improve customers' satisfaction, WEDO has established service centers in Shanghai, Tianjin, Korea, Japan, Russia, Germany, Serbia, Singapore, India and Canada, supplying safe and innovative hand tools and in-time after-sale service to end users.

We sincerely invite people all over the world to share the pleasure of tools.



[CNC Machining Workshop] [Die Forging Workshop] [Semi-stock and Accessories Warehouse] [Ready stock Warehouse]

● BELIEF:

- Irreplaceable Products
- Excellent Service
- Rapid and Continuous Improvement

● MISSION:

WE THE CRAFTSMEN DO SAFETY FIRST

● IDEA:

We are together to DO something great!



CERTIFICATE

BAM/ZBF/005/23 (1. VERSION)

Hereby it is confirmed by the BAM Certification Body, that the

Material Beryllium-Copper Alloy

of the manufacturer
Wedo Tools GmbH
Ludwig-Richter-Strasse 6
42329 Wuppertal
Germany

meets the requirements of BAM Standard operating procedure „**StAA-NEG-005**“: „**StAA zur Schlagfunkenprüfung von Werkstoffpaarungen**“ approved April 2023 and thus non-sparking tools made of this material are appropriate for use in potentially explosive atmospheres of zone 1 and/or 21 in accordance with the European Directive 1999/92/EC of all explosion groups (I, IIA, IIB & IIC) according to DIN EN ISO/IEC 80079-20-1:2020-09, if the terms and conditions set out in the annex to this certificate are complied with.

The certification is based on certification contract N° **BAM-ZBF-0001-2023-WEDO** dated 2023-02-02 and comprises according to standard DIN EN ISO/IEC 17065:2013 a design-type test and a manufacturer's declaration of conformity (BAM Certification system I).

Products certified by BAM may be labelled with the certification mark "BAM Design-type tested" and/or "BAM Baumustergeprüft".

The certificate is valid until 2028-09-21.

BAM test report **23029740** as well as procedure No BZS-GS/040/22 are constituent parts of this certificate.

Bundesanstalt für Materialforschung und -prüfung (BAM)

Unter den Eichen 87, 12205 Berlin, **2023-09-22**

By order **04.10.2023**

Dr. J. Sunderkötter
BAM-Certification Officer



By order

Dr. M. Schmidt
BAM-Assessor

This document was created electronically and is valid without a signature.

This certificate consists of 1 page and 1 Annex.
This certificate may only be published in full wording and without any additions. The revocable written consent shall be obtained from BAM beforehand for changed reproduction and excerpts. The German version is legally binding, except an English version is issued exclusively. Place of jurisdiction is Berlin.

KWDZ05.P01 F01 / Juni 2023



HEALTH AND SAFETY MANAGEMENT SYSTEM CERTIFICATE

NO: 26224SZ0011R1S

It's hereby certify that the organization:

WEDO TOOLS CO., LTD

Unified social credit code/Organization code :91120104578321759H
Registered address: 3-17-603 Hardware Zone, Miyun Yizhi Road, Nankai District, Tianjin, China P.C.:300000
Business address: 3-17-603 Hardware Zone, Miyun Yizhi Road, Nankai District, Tianjin, China P.C.:300000
Production workshop: No.2 Wugang Road, Botou Economic Development Zone, Cangzhou City, Hebei Province P.C.:0621500

Occupational health and safety management system complies with:

GB/T 45001-2020 / ISO 45001:2018 Standard

The Occupational health and safety management system applies in following area:

The production of hand tools(including non-sparking tools, steel tools)

Date of issue :January 17, 2024

Expiry Date : January 16, 2027



The issuance of



Scan this QR code to get certification information and certification status, which can be found on the official website of Certification and Accreditation Administration of the People's Republic of China(www.cnea.gov.cn), and on the official website of Mezen(Shanghai)Testing Certification Co.,Ltd (www.mtesh.com.cn) as well.
During its valid period, the certificate should be applied with the relevant supervision report.

Mezen (Shanghai) testing certification Co.,Ltd
No. 17C , No. 985 Dongfang Road, China (Shanghai) free trade test area
Tel: 021-68407323



QUALITY MANAGEMENT SYSTEM CERTIFICATE

NO: 26224QZ0018R1S

It's hereby certify that the organization:

WEDO TOOLS CO., LTD

Unified social credit code/Organization code :91120104578321759H
Registered address: 3-17-603 Hardware Zone, Miyun Yizhi Road, Nankai District, Tianjin, China P.C.:300000
Business address: 3-17-603 Hardware Zone, Miyun Yizhi Road, Nankai District, Tianjin, China P.C.:300000
Production workshop: No.2 Wugang Road, Botou Economic Development Zone, Cangzhou City, Hebei Province P.C.:062150

Quality management system complies with:

GB/T 19001-2016 / ISO 9001: 2015 Standard

The scope of quality management system certification

The production of hand tools(including non-sparking tools, steel tools)

Date of issue :January 17, 2024

Expiry Date : January 16, 2027



[Signature]

The issuance of



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Mezen (Shanghai) testing certification Co.,Ltd
No. 17C , No. 985 Dongfang Road, China (Shanghai) free trade test area
Tel: 021-68407323



ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATE

NO: 26224EZ0010R1S

It's hereby certify that the organization:

WEDO TOOLS CO., LTD

Unified social credit code/Organization code :91120104578321759H
Registered address: 3-17-603 Hardware Zone, Miyun Yizhi Road, Nankai District, Tianjin, China P.C.:300000
Business address: 3-17-603 Hardware Zone, Miyun Yizhi Road, Nankai District, Tianjin, China P.C.:300000
Production workshop: No.2 Wugang Road, Botou Economic Development Zone, Cangzhou City, Hebei Province P.C.:062150

Environmental management system complies with:

GB/T 24001-2016 / ISO 14001:2015 Standard

The environmental management system applies in following area:

The production of hand tools(including non-sparking tools, steel tools)

Date of issue :January 17, 2024

Expiry Date : January 16, 2027



[Signature]

The issuance of



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No. 17C , No. 985 Dongfang Road, China (Shanghai) free trade test area
Tel: 021-68407323



QUALITY MANAGEMENT SYSTEM CERTIFICATE

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It's hereby certify that the organization:

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Production workshop: No.2 Wugang Road, Botou Economic Development Zone, Cangzhou City, Hebei Province P.C.:062150

Quality management system complies with:
GB/T 19001-2016 / ISO 9001: 2015 Standard

The scope of quality management system certification

The production of hand tools(including non-sparking tools, steel tools)

Date of issue :January 17, 2024

Expiry Date : January 16, 2027



[Signature]

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Tel: 021-68407323

NON-SPARKING-TOOLS

NON-SPARKING-TOOLS

Aluminium Bronze Non-sparking Tools

Item No. begins with "AL"



● Non-sparking Properties:

1. Appropriate for operation with ethylene concentration 7.8%.
2. Standard code GBEx II B, Hardness HRC20-30, tensile strength δ_b 75-85kgf/mm²;
3. Adopt 4.0 die forging technology, Germany DIN standard, high density, good toughness and long lifetime.

● Application Scope:

Appropriate for all kinds of flammable and explosive environments such as Oil Refinery, Petrochemical Industry, Coal Mine, Oil Field, Natural Gas Chemical Industry, Gunpowder Industry, Chemical-fiber Industry, Paint Industry, Fertilizer Industry, Pharmaceutical Industry, etc. It can efficiently avoid spark arising and explosion while striking, friction and hammering.

Beryllium Copper Non-sparking Tools

Item No. begins with "BE"



● Non-sparking Properties:

1. Appropriate for operation with hydrogen concentration below 21%.
2. Standard code GBEx II C, Hardness HRC30-40, tensile strength δ_b 105-120kgf/mm²;
3. Adopt 4.0 die forging technology, Germany DIN standard, high density, high toughness, long lifetime and anti-magnetic.

● Application Scope:

Appropriate for all kinds of flammable and explosive environments such as Oil Refinery, Petrochemical Industry, Coal Mine, Oil Field, Natural Gas Chemical Industry, Gunpowder Industry, Chemical-fiber Industry, Paint Industry, Fertilizer Industry, Pharmaceutical Industry, etc. they will not cause any spark when they strike, rub or fall down.

WEDO NON-SPARKING TOOLS

Classification of Zones by Explosion Risks

Very low Zone 2

Refers to a dangerous atmosphere in which a mixture of air and flammable substances in the form of gas, mist or vapor is not likely

to occur under normal operating conditions, but if it does occur, will persist only for a short period.

Gas, oil, Mist or Vapor

High Zone 0

Refers to a dangerous atmosphere in which a mixture of air and flammable substances in the form of gas, mist or vapor is present frequently, continuously or for a long period.

Average low Zone 1

Refers to a dangerous atmosphere in which a mixture of air and flammable substances in the form of gas, mist or vapor is likely to occur occasionally under normal operation.

Dust

Zone 20

Refers to a dangerous environment in which a cloud of combustible dust in the air is present frequently, continuously or for a long period.

Zone 21

Refers to a dangerous environment in which a cloud of combustible dust in the air is likely to occur in normal operation occasionally.

Zone 22

Refers to a dangerous environment in which a cloud of combustible dust in the air is not likely to occur in normal operation, but if it does occur, will persist for only a short period.

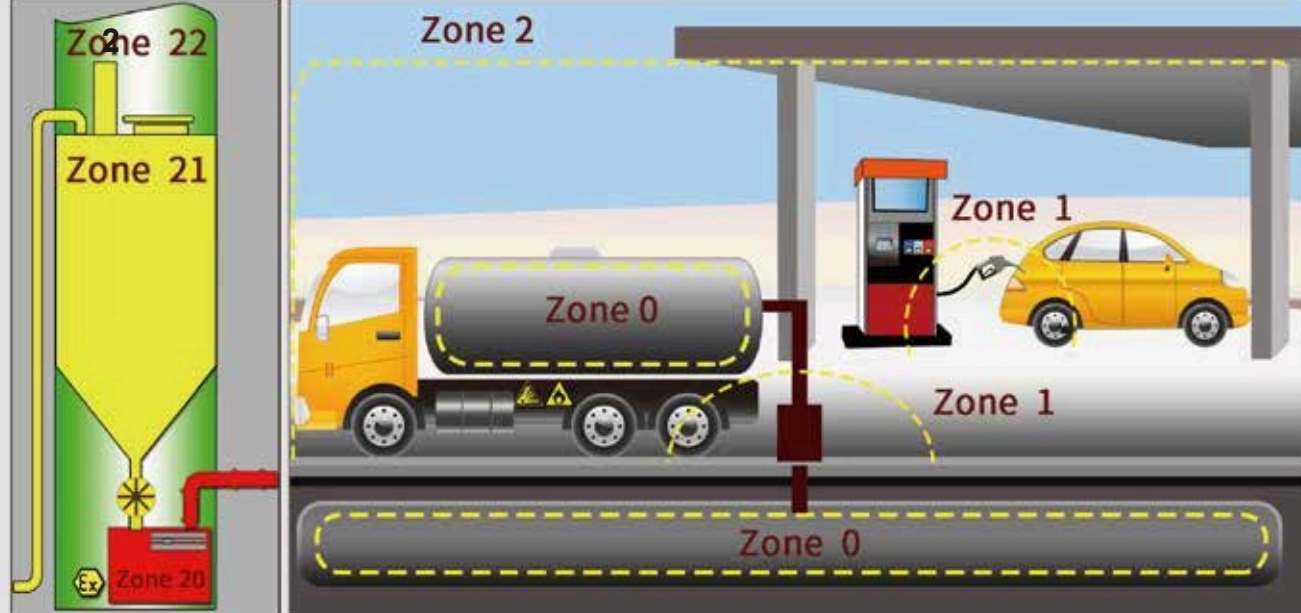
Mine

In case of firedamp, the operation is possible to be continued.

1

In case of firedamp, the operation must be shut down.

Mine



DIFFERENCES BETWEEN TWO MATERIALS:

Beryllium Copper Alloy (Be-Cu)

Be	1.5-1.7% 1.8-2.3%
Co+Ni	over 0.2%
Co+Ni+Fe	below 1.2%
Cu+Be+Co+Ni+Fe	over 99.0%
Hardness	30-40HRC
Tensile Strength	1117N/mm ² -1326N/mm ²
Extensibility	δ ≤ 1.0%
Elasticity limit	840N/mm ² -880N/mm ²
Magnetic	0

Aluminium Bronze Alloy (Al-Br)

Al	10-12%
Ni	4-6%
Fe+Mn	below 5.8%
Cu+Al+Ni+Fe+Mn	over 99.0%
Hardness	20-30HRC
Tensile Strength	782N/mm ² -989N/mm ²
Extensibility	δ ≥ 5%
Elasticity limit	450N/mm ² -550N/mm ²
Magnetic	1.2

PROPERTIES AND APPLICATIONS:

Non-sparking	Appropriate for explosive potential environment such as oil and gas works, petro-chemical plants, etc. It can efficiently avoid spark arising while operating.
Non-magnetic safety	Essential for equipments that require complete non-magnetic environment.
Corrosion resistant	Especially well suited for applications in corrosive environments like encountered in marine works or firefighting applications.
Forged after casting	Provide higher mechanical properties and better finishing.

MAIN APPLICATION FIELDS:

Petro chemicals	Chemical Industry	Mines
Refineries	Fireworks Industry	Defense
Gas & Oil pipelines	Flour silos and mills	Air Forces
Power stations	Breweries	Navy
Paint Manufacturing	Alcohol processing industry	Weapon & ammunition fabrication
Plastic Manufacturing	Distillery	Aerospace Industry
Pharmaceutical Industry	Fire-fighters	Automobile Industry

INDUSTRIAL-GRADE SAFETY BOX

1 • High impact resistance designed lock buckle, can open and close freely under any circumstances

2 • The toolbox has passed waterproof test, can effectively prevent water and dust from entering

4 • High toughness and transformation resistance, suitable for any transportation environment

• Automatic waterproof breathable valve, can adjust the pressure inside the box automatically, thus enabling the safety box be opened easily under any circumstances, and ensuring the dryness inside the box

• Unique designed structure, more durable, more light and compact

5 • Enhanced soft handle, comfortable to use, especially suitable when having long-time loading

7 • Unique stacked anti-slip design

- Superior high impact resistance and low temperature resistance, excellent toughness and deformation resistance, can apply to any extreme transportation environment, resistant to -55° ultra low temperature.
- Widely used in area like Radio and television photography, Industrial instrument, Defense military, Police enforcement, IT, Outdoor activities etc. Product applies to precision instrument protection box, Field photographing and camera protector, Testing tools accessory box, Diving equipment protection box, and transportation container, Gun box, Anti-vibration rack box, Airdrop box, Field desk etc.
- Excellent detail design and philosophy, complete spare parts supply, fully consider the extensive demands of various industries.
- Sealed waterproof and dust proof, automatically adjusting the pressure both inside and outside, provides the finest protection to customer's product.

1/4"Dr Socket Set-11pcs



• AL-BR:690g • BE-CU:710g

ITEM CODE	SIZE (mm)
AL-BR BE-CU	1/4 " Socket (4,5,5,5,5,6,7,8)mm
AL101A BE101A	Driver Type Handle Stubby Slotted Phillips Screwdriver

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



• AL-BR:2000g • BE-CU:2130g

ITEM CODE	SIZE (mm)
AL-BR BE-CU	1/4 " Socket (4,4,5,5,5,5,6,7,8)mm
AL101D BE101D	Ratchet Wrench 3/8" *200mm Straight Joint Driver Extension 75mm,150mm 3/8 Socket (10,11,12,13,14,17,19)mm 13/16"Spark Plug Socket Adaptor 3/8"*1/4" Driver Type Handle 1/4"*55mm Tool Case

1/2"Dr Socket Set-17pcs



• A L - B R :6355g • BE-CU:6730g

ITEM CODE	SIZE (mm)
AL-BR BE-CU	1/2 " Socket (10,11,12,14,17,19,22,24,27,30,32)mm
AL101G BE101G	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

1/4"Dr Socket Set-12pcs



• AL-BR:720g • BE-CU:740g

ITEM CODE	SIZE (mm)
AL-BR BE-CU	1/4 " Socket (4,5,6,7,8,9,10,11,12,13)mm
AL101B BE101B	Driver Type Handle Tool Case

1/2"Dr Socket Set-10pcs



• AL-BR:1890g • BE-CU:2000g

ITEM CODE	SIZE (mm)
AL-BR BE-CU	1/2 " Socket (10,11,12,14,17,19,22,24)mm
AL101E BE101E	Offset Handle 1/2" *230mm Tool Case



3/8"Dr Socket Set-13pcs



• AL-BR:1650g • BE-CU:1740g

ITEM CODE	SIZE (mm)
AL-BR BE-CU	3/8 " Socket (8,9,10,11,12,13,14,17,19)mm
AL101C BE101C	13/16"Spark plug Socket Ratchet Wrench 3/8"*200mm Straight Joint Driver Extension 3/8"*75mm Tool Case

1/2"Dr Socket Set-13pcs



• AL-BR:3180g • BE-CU:3390g

ITEM CODE	SIZE (mm)
AL-BR BE-CU	1/2 " Socket (8'10'11'12'14'17'19'22'24'27)mm
AL101F BE101F	Ratchet Wrench 1/2"*245mm Hinged Handle 1/2"*250mm Tool Case

1/2"Dr Socket Set-25pcs



• A L - B R :7270g • BE-CU:7370g

ITEM CODE	SIZE (mm)
AL-BR BE-CU	1/2 " Socket (10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,27,30,32)mm
AL101H BE101H	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"*80mm Tool Case

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NON-SPARKING-TOOLS

1/2"Dr Socket Set-28pcs



• A L - B R : 8520g BE-CU:9050g

ITEM CODE	SIZE (mm)
AL101I BE101I	1/2" Socket (10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,26,27,28,30,32)mm
	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"*80mm
	Screwdriver Socket 1/2"*52mm
	Tool Case

3/4"Dr Socket Set-15pcs



• A L - B R : 12350g BE-CU:13240g

ITEM CODE	SIZE (mm)
AL101K BE101K	3/4" Socket (21,24,27,30,32,34,36,38,41,46,50)mm
	Ratchet Wrench 3/4"*320mm
	Sliding T-Handle 3/4"*400mm
	Driver Extension 3/4"*200mm
	Tool Case

3/4"Dr Socket Set-21 pcs



• A L - B R : 14200g BE-CU:15270g

ITEM CODE	SIZE (mm)
AL101L BE101L	3/4" Socket (21,22,23,24,26,27,28,29,30,31,32,34,36,38,41,46,50)mm
	Ratchet Wrench 3/4"*320mm
	Sliding T-Handle 3/4"*400mm
	Driver Extension 3/4"*200mm
	Tool Case

3/4"*1 Dr Socket Set-27pcs



• A L - B R : 23060g BE-CU:24900g

ITEM CODE	SIZE (mm)
AL101M BE101M	3/4" Socket (21,22,23,24,26,27,28,29,30,31,32,34,36,38,41,46,50,55,60,65)mm
	Ratchet Wrench 3/4"*160mm
	Sliding T-Handle 3/4"*400mm
	Driver Extension 3/4"*200mm, 3/4"*430mm
	Flex Ball Joint 3/4"*120mm
	Sliding T-Handle 3/4"*1"
	Tool Case

1"Dr Socket Set-19pcs



• A L - B R : 24850g BE-CU:24900g

ITEM CODE	SIZE (mm)
AL101N BE101N	1" Socket (t30,31,32,34,36,38,41,46,50,55,60,65,70,75,80)mm
	Sliding T-Handle 3/4"
	1" *200mm FlexBall Joint
	1" *200mm Driver Extension

Socket (C=1/4")



• A L - B R : 8390g BE-CU:8980g

ITEM CODE	SIZE (mm)	N.W. (g)
AL102-4 BE102-4	4	15
AL102-4.5 BE102-4.5	4.5	15
AL102-5 BE102-5	5	15
AL102-5.5 BE102-5.5	5.5	15
AL102-6 BE102-6	6	15
AL102-7 BE102-7	7	15
AL102-8 BE102-8	8	15
AL102-9 BE102-9	9	20
AL102-10 BE102-10	10	20
AL102-11 BE102-11	11	25
AL102-12 BE102-12	12	27
AL102-13 BE102-13	13	27
AL102-14 BE102-14	14	32
AL102-15 BE102-15	15	36
AL102-16 BE102-16	16	36
AL102-17 BE102-17	17	45
AL102-18 BE102-18	18	45
AL102-19 BE102-19	19	46



• A L - B R : 23060g BE-CU:24900g

• A L - B R : 8390g BE-CU:8980g

• A L - B R : 23060g BE-CU:24900g

Socket (C=1/4")



ITEM CODE	SIZE (mm)	N.W. (g)
AL102-1002 BE102-1002	5/32 25	13
1004 BE102-1004	3/16 25	13
BE102-1006	7/32 25	15
AL102-1008 BE102-1008	1/4 25	15
AL102-1010 BE102-1010	9/32 25	15
AL102-1012 BE102-1012	5/16 25	18
AL102-1014 BE102-1014	11/32 26	22
AL102-1016 BE102-1016	3/8 26	26
AL102-1018 BE102-1018	7/16 26	26
AL102-1020 BE102-1020	1/2 26	26



Socket (C=3/8")



ITEM CODE	SIZE (mm)	N.W. (g)
AL103-5 BE103-5	5	28
AL103-5.5 BE103-5.5	5.5	28
AL103-6 BE103-6	6	28
AL103-7 BE103-7	7	28
AL103-8 BE103-8	8	28
AL103-9 BE103-9	9	28
AL103-10 BE103-10	10	32
AL103-11 BE103-11	11	32
AL103-12 BE103-12	12	32
AL103-13 BE103-13	13	32
AL103-14 BE103-14	14	32
AL103-15 BE103-15	15	32
AL103-16 BE103-16	16	32
AL103-17 BE103-17	17	32
AL103-19 BE103-19	19	32
AL103-20 BE103-20	20	32

Socket (C=3/8")



ITEM CODE	SIZE (mm)	N.W. (g)
AL103-1002 BE103-1002	5/16 28	32
AL103-1004 BE103-1004	3/8 28	32
AL103-1006 BE103-1006	7/16 32	50
AL103-1008 BE103-1008	1/2 32	50
AL103-1010 BE103-1010	9/16 32	50
AL103-1012 BE103-1012	5/8 32	75
AL103-1014 BE103-1014	11/16 32	75
AL103-1016 BE103-1016	3/4 32	75
AL103-1018 BE103-1018	13/16 35	80
AL103-1020 BE103-1020	7/8 35	105
AL103-1022 BE103-1022	15/16 35	105

Socket (C=1/2")



ITEM CODE	SIZE (mm)	N.W. (g)
BE104-6	6	69
AL104-7 BE104-7	7	70
AL104-8 BE104-8	8	70
AL104-9 BE104-9	9	71
AL104-10 BE104-10	10	71
AL104-11 BE104-11	11	72
AL104-12 BE104-12	12	72
AL104-13 BE104-13	13	73
AL104-14 BE104-14	14	73
AL104-15 BE104-15	15	85
AL104-16 BE104-16	16	85
AL104-17 BE104-17	17	85
AL104-18 BE104-18	18	85
AL104-19 BE104-19	19	100
AL104-20 BE104-20	20	105
AL104-21 BE104-21	21	110
AL104-22 BE104-22	22	115
AL104-23 BE104-23	23	135
AL104-24 BE104-24	24	145
AL104-25 BE104-25	25	160
AL104-26 BE104-26	26	180
AL104-27 BE104-27	27	190
AL104-28 BE104-28	28	200
AL104-29 BE104-29	29	210
AL104-30 BE104-30	30	220
AL104-32 BE104-32	32	260

ITEM CODE	SIZE (mm)	N.W. (g)
AL105-17 BE105-17	17	225
AL105-19 BE105-19	19	225
AL105-21 BE105-21	21	245
AL105-22 BE105-22	22	245
AL105-23 BE105-23	23	280
AL105-24 BE105-24	24	280
AL105-26 BE105-26	26	280
AL105-27 BE105-27	27	285
AL105-28 BE105-28	28	310
AL105-29 BE105-29	29	320
AL105-30 BE105-30	30	370
AL105-31 BE105-31	31	380
AL105-32 BE105-32	32	410
AL105-34 BE105-34	34	440
AL105-36 BE105-36	36	465
AL105-38 BE105-38	38	510
AL105-41 BE105-41	41	640
AL105-46 BE105-46	46	690
AL105-50 BE105-50	50	825

Socket (C=1/2")



ITEM CODE	SIZE (mm)	N.W. (g)
AL104-1002 BE104-1002	5/16 40	70
AL104-1004 BE104-1004	3/8 40	71
AL104-1006 BE104-1006	7/16 40	72
AL104-1008 BE104-1008	1/2 40	73
AL104-1010 BE104-1010	9/16 40	73
AL104-1012 BE104-1012	5/8 40	80
AL104-1014 BE104-1014	11/16 40	85
AL104-1016 BE104-1016	3/4 42	100
AL104-1018 BE104-1018	13/16 43	110
AL104-1020 BE104-1020	7/8 43	115
AL104-1022 BE104-1022	15/16 43	145
AL104-1024 BE104-1024	1 43	170
AL104-1026 BE104-1026	1-1/16 46	190
AL104-1028 BE104-1028	1-1/4 46	260
AL104-1030 BE104-1030	1-7/16 50	300

Socket (C=3/4")



ITEM CODE	SIZE (mm)	N.W. (g)
AL105-17 BE105-17	17	225
AL105-19 BE105-19	19	225
AL105-21 BE105-21	21	245
AL105-22 BE105-22	22	245
AL105-23 BE105-23	23	280
AL105-24 BE105-24	24	280
AL105-26 BE105-26	26	280
AL105-27 BE105-27	27	285
AL105-28 BE105-28	28	310
AL105-29 BE105-29	29	320
AL105-30 BE105-30	30	370
AL105-31 BE105-31	31	380
AL105-32 BE105-32	32	410
AL105-34 BE105-34	34	440
AL105-36 BE105-36	36	465
AL105-38 BE105-38	38	510
AL105-41 BE105-41	41	640
AL105-46 BE105-46	46	690
AL105-50 BE105-50	50	825

Socket (C=3/4")



ITEM CODE	AL-RR	BE-CU	SIZE		N.W. (g)		
			S (inch)	L (mm)	AL-BR	BE-CU	
AL105-1005BE105-1005			3/4	116	55	220	240
AL105-1006BE105-1006			7/8			240	262
55 AL105-1008BE105-1008			1 1/8	116	55	245	267
AL105-1010BE105-1010			1			280	305
					55	280	310
AL105-1012BE105-1012			1 1/8	116	55	285	315
AL105-1014BE105-1014			1 1/8	116	55	315	345
AL105-1016BE105-1016			1 3/8	160		365	400
AL105-1018BE105-1018			1 1/2	160		400	437
AL105-1020BE105-1020			1 5/8	160		430	472
AL105-1022BE105-1022			1 3/8	160		470	515
AL105-1024BE105-1024			1 7/16	160		480	525
AL105-1026BE105-1026			1 1/2	160		530	580
AL105-1028BE105-1028			1 5/8	160		640	702
AL105-1030BE105-1030			1 3/4	165		695	761
AL105-1032BE105-1032			1 13/16	165		705	830
AL105-1034BE105-1034			1 7/8	165		750	850
AL105-1036BE105-1036			2	165		870	965

Socket (C=1")



ITEM CODE	AL-RR	BE-CU	SIZE		N.W. (g)		
			S (inch)	L (mm)	AL-BR	BE-CU	
AL106-1002BE106-1002			1	116	55	360	394
1004BE106-1004			1/8		55	364	398
1006BE106-1006			3/16		60	405	442
1008BE106-1008			1/4		60	431	470
1010BE106-1010			5/16		60	442	483
1012BE106-1012			3/8		60	448	490
1014BE106-1014			7/16		65	500	560
1016BE106-1016			1/2		65	560	620
1018BE106-1018			5/8		70	625	690
1020BE106-1020			7/8			740	850
AL106-1022BE106-1022					75	850	960
AL106-1024BE106-1024			2-1/4	80	1130	1250	AL106-1028BE106-1028
1026BE106-1026			2-1/2	90	1550	1700	AL106-1028BE106-1028
1028 2-3/4			90	1850	2050		
AL106-1030BE106-1030					95	2500	2750

Socket (C=1")



ITEM CODE	AL-RR	BE-CU	SIZE		N.W. (g)	
			S (mm)	L (mm)	AL-BR	BE-CU
AL106-22 BE106-22			22	55	330	361
AL106-24 BE106-24			24	55	340	372
AL106-25 BE106-25			25	55	345	377
AL106-26 BE106-26			26	55	350	383
AL106-27 BE106-27			27	55	360	394
AL106-28 BE106-28			28	55	363	397
AL106-29 BE106-29			29	55	365	399
AL106-30 BE106-30			30	60	405	443
AL106-31 BE106-31			31	60	410	448
AL106-32 BE106-32			32	60	440	481
AL106-34 BE106-34			34	60	455	497
AL106-36 BE106-36			36	65	500	550
AL106-38 BE106-38			38	65	560	620
AL106-41 BE106-41			41	70	625	690
AL106-46 BE106-46			46	75	740	850
AL106-50 BE106-50			50	75	760	850
AL106-55 BE106-55			55	80	1000	1160
AL106-60 BE106-60			60	85	1260	1390
AL106-65 BE106-65			65	90	1580	1750
AL106-70 BE106-70			70	90	1950	2150
AL106-75 BE106-75			75	95	2430	2680
AL106-80 BE106-80			80	95	2800	3080

Impact Socket (C=3/4")



ITEM CODE	AL-RR	BE-CU	SIZE		N.W. (g)	
			S (mm)	L (mm)	AL-BR	BE-CU
AL107-24 BE107-24			24	50	330	380
AL107-27 BE107-27			27	53	365	405
AL107-30 BE107-30			30	53	390	440
AL107-32 BE107-32			32	56	425	475
AL107-36 BE107-36			36	56	585	650
AL107-41 BE107-41			41	60	625	695
AL107-46 BE107-46			46	60	700	770
AL107-50 BE107-50			50	70	1000	1100

Impact Socket (C=1")



ITEM CODE	AL-RR	BE-CU	SIZE		N.W. (g)	
			S (mm)	L (mm)	AL-BR	BE-CU
AL108-19 BE108-19			19	55	570	630
AL108-21 BE108-21			21	55	580	640
AL108-22 BE108-22			22	55	590	650
AL108-24 BE108-24			24	55	600	660
AL108-26 BE108-26			26	55	660	735
AL108-27 BE108-27			27	55	670	735
AL108-29 BE108-29			29	60	690	760
AL108-30 BE108-30			30	60	690	765
AL108-32 BE108-32			32	60	700	775
AL108-34 BE108-34			34	60	700	775
AL108-35 BE108-35			35	60	700	775
AL108-36 BE108-36			36	60	700	775
AL108-38 BE108-38			38	65	780	865
AL108-41 BE108-41			41	65	830	930
AL108-46 BE108-46			46	70	1265	1380
AL108-50 BE108-50			50	75	1320	1455
AL108-52 BE108-52			52	75	1550	1715
AL108-55 BE108-55			55	75	1650	1830
AL108-58 BE108-58			58	85	1900	2080
AL108-60 BE108-60			60	85	2000	2200
AL108-65 BE108-65			65	85	2250	2460
AL108-70 BE108-70			70	90	2600	2890
AL108-75 BE108-75			75	90	2900	3155
AL108-80 BE108-80			80	90	3200	3560

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



ITEM CODE	AL-RR	BE-CU	SIZE		N.W. (g)	
			S (mm)	L (mm)	AL-BR	BE-CU
AL109-50 BE109-50			50	90	1755	1930
AL109-52 BE109-52			52	90	1835	2005
AL109-55 BE109-55			55	90	1965	2180
AL109-58 BE109-58			58	90	2000	2200
AL109-60 BE109-60			60	90	2085	2290
AL109-65 BE109-65			65	90	2370	2610
AL109-70 BE109-70			70	90	2585	2840
AL109-75 BE109-75			75	90	2880	3190
AL109-80 BE109-80			80	90	3250	3605

Impact Socket (C=1-1/4")



ITEM CODE	AL-RR	BE-CU	SIZE		N.W. (g)	
			S (mm)	L (mm)	AL-BR	BE-CU
AL110-50 BE110-50			50	90	1765	1950
AL110-60 BE110-60			60	90	2100	2300
AL110-70 BE110-70			70	90	2475	2750

Impact Socket (C=1-1/2")



ITEM CODE	AL-RR	BE-CU	SIZE		N.W. (g)	
			S (mm)	L (mm)	AL-BR	BE-CU
AL110A-22 BE110A-22			22	75	1600	2000
AL110A-24 BE110A-24			24	75	1930	2200
AL110A-27 BE110A-27			27	75	2200	2410
AL110A-30 BE110A-30			30	75	2520	2800
AL110A-32 BE110A-32			32	75	1770	1960
AL110A-36 BE110A-36			36	80	2090	2310
AL110A-41 BE110A-41			41	80	2140	2360
AL110A-46 BE110A-46			46	85	2180	2410
AL110A-50 BE110A-50			50	85	2260	2500
AL110A-55 BE110A-55			55	90	2300	2530
AL110A-60 BE110A-60			60	90	2500	2750
AL110A-65 BE110A-65			65	95	2850	3130
AL110A-70 BE110A-70			70	95	3100	3400
AL110A-75 BE110A-75			75	100	3400	3740
AL110A-80 BE110A-80			80	100	3800	4180
AL110A-85 BE110A-85			85	110	4200	4620
AL110A-90 BE110A-90			90	110	4490	4940
AL110A-95 BE110A-95			95	110	5230	5780
AL110A-100 BE110A-100			100	115	5530	6110

Impact Socket (C=1/2")



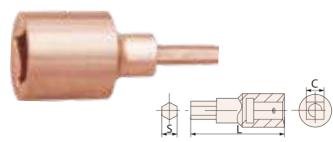
ITEM CODE	AL-RR	BE-CU	SIZE		N.W. (g)	
			S (mm)	L (mm)	AL-BR	BE-CU
AL110B-8 BE110B-8			8	40	800	
AL110B-10 BE110B-10			10	40	850	
AL110B-12 BE110B-12			12	40	900	
AL110B-14 BE110B-14			14	40	115	125
AL110B-17 BE110B-17			17	40	115	125
AL110B-19 BE110B-19			19	40	120	135
AL110B-22 BE110B-22			22	40	135	150
AL110B-24 BE110B-24			24	45	165	185
AL110B-27 BE110B-27			27	45	190	215
AL110B-30 BE110B-30			30	50	235	265
AL110B-32 BE110B-32			32	50	255	285

Impact Socket (C=1/2"Deep)



ITEM CODE	AL-RR	BE-CU	SIZE		N.W. (g)	
			S (mm)	L (mm)	AL-BR	BE-CU
AL110C-8 BE110C-8			8	80	280	315
AL110C-10 BE110C-10			10	80	280	315
AL110C-12 BE110C-12			12	80	280	315
AL110C-14 BE110C-14			14	80	280	315
AL110C-17 BE110C-17			17	80	280	315
AL110C-19 BE110C-19			19	80	290	325
AL110C-22 BE110C-22			22	80	300	335
AL110C-24 BE110C-24			24	80	325	365
AL110C-27 BE110C-27			27	80	380	425
AL110C-30 BE110C-30			30	80	410	455

Internal Hexagon Socket



ITEM CODE	AL BR	BE-CU	SIZE		N.W. (g)						
			C(inch)	S(mm)	L(mm)	AL-BR	BE-CU				
AL111A-1002	AL111A-1002	BE111A-1002	1/4	3	55	16	55	16	17		
1002	AL111A-1004	BE111A-1004	1/4	4	55	18	55	23	17		
BE111A-1004	AL111A-1004	BE111A-1004	1/4	5	55	27	65	40	20		
1006	BE111A-1006	BE111A-1006	1/4	6	65	50			26		
AL111A-1008	AL111A-1008	BE111A-1008	1/4	7					30		
1008	AL111A-1010	BE111A-1010	1/4	8					45		
BE111A-1010	AL111A-1010	BE111A-1010	1/4	9					55		
1012	BE111A-1012	BE111A-1012	1/4	10	65	60	1/2	12	60	110	635
AL111A-1014	AL111A-1014	BE111A-1014	1/2	13	60	120	135	1/2	14	60	125
1014	AL111A-1016	BE111A-1016	1/2	15	60	145	165	1/2	16	60	
BE111A-1016	AL111A-1016	BE111A-1016	1/2	17	60	160	175	1/2	18	60	
1018	BE111A-1018	BE111A-1018	1/2	19	60	170	190	1/2	19	62	200
AL111A-1020	AL111A-1020	BE111A-1020	2/20	20	62	205	230				
1020	AL111A-1022	BE111A-1022									
BE111A-1022	AL111A-1024	BE111A-1024									
1024	BE111A-1026	BE111A-1026									
AL111A-1026	AL111A-1028	BE111A-1028									
1026	AL111A-1028	BE111A-1028									

Socket Wrench, Triangular



ITEM CODE	AL BR	BE-CU	SIZE		N.W. (g)						
			C(inch)	S(mm)	L(mm)	AL-BR	BE-CU				
AL111B-1002	AL111B-1002	BE111B-1002	1/2	6	40	70	40	75	80		
1002	AL111B-1004	BE111B-1004	1/2	8							
BE111B-1004	AL111B-1004	BE111B-1004	1/2	10	40	80	1/2	12	40	90	1285
1006	BE111B-1006	BE111B-1006	50	150	180	1/2	20	50	215	950	
AL111B-1008	AL111B-1008	BE111B-1008	1/2	24	60	380	420				
1008	AL111B-1010	BE111B-1010									
BE111B-1010	AL111B-1010	BE111B-1010									
1012	BE111B-1012	BE111B-1012									
AL111B-1014	AL111B-1014	BE111B-1014									
1014											

Universal Joint



ITEM CODE	AL BR	BE-CU	SIZE		N.W. (g)			
			C(inch)	L(mm)	AL-BR	BE-CU		
AL112-1002	AL112-1002	BE112-1002	1/2	80	170	186		
1002	AL112-1004	BE112-1004	3/4	110	480	530		
BE112-1004	AL112-1004	BE112-1004	1	132	980	1000		

Screwdriver Socket



ITEM CODE	AL BR	BE-CU	SIZE		N.W. (g)			
			C(inch)	L(mm)	AL-BR	BE-CU		
AL114-1002	AL114-1002	BE114-1002	1/2	52	213	91		102

Adaptor



ITEM CODE	AL BR	BE-CU	SIZE		N.W. (g)			
			C(inch)	S(inch)	L(mm)	AL-BR	BE-CU	
AL113-1002	AL113-1002	BE113-1002	3/8	1/4	26	31		
1002	AL113-1004	BE113-1004	1/2	3/8	20	22		
BE113-1004	AL113-1006	BE113-1006	1/2	3/8	70	80		
1006	AL113-1008	BE113-1008	3/8	1/2	55	60		
AL113-1010	AL113-1010	BE113-1010	3/4	1/2	260	290		
1010	AL113-1012	BE113-1012	1/2	3/4	150	170		
BE113-1012	AL113-1014	BE113-1014	1 3/4	1	770	855		
1014	AL113-1016	BE113-1016	3/4	1	60	320	360	
AL113-1018	AL113-1018	BE113-1018	1/2	1	85	1510	1675	
1018	AL113-1020	BE113-1020	1 1/2	1	1100	1230		

Ratchet Wrench



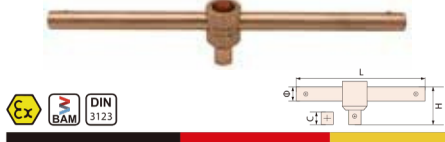
ITEM CODE	AL BR	BE-CU	SIZE		N.W. (g)										
			C(inch)	L(mm)	AL-BR	BE-CU									
AL115-1002	AL115-1002	BE115-1002	3/4	160	21	55	1600	1760	AL115-1004	BE115-1004	1 1/8	23	60	2250	2470

Sliding T Type Wrench



ITEM CODE	AL BR	BE-CU	SIZE		N.W. (g)			
			C(inch)	L(mm)	AL-BR	BE-CU		
AL116-1002	AL116-1002	BE116-1002	3/4	350	19	200	1550	1705
1002	AL116-1004	BE116-1004	1 1/4	400	21	200	2350	2590

Sliding T Handle



ITEM CODE	AL BR	BE-CU	SIZE		N.W. (g)			
			C(inch)	L(mm)	AL-BR	BE-CU		
AL117-1002	AL117-1002	BE117-1002	1/2	250	13	39	310	340
1002	AL117-1004	BE117-1004	3/4	350	19	54	960	1070
BE117-1004	AL117-1006	BE117-1006	3/4	400	21	56	1221	1335
1006	AL117-1008	BE117-1008	1 1/4	400	21	62	1481	1620

Hinged Handle



ITEM CODE	AL BR	BE-CU	SIZE		N.W. (g)									
			C(inch)	L1(mm)	AL-BR	BE-CU								
AL118-1002	AL118-1002	BE118-1002	3/8	190	175	220	245	AL118-1004	BE118-1004	1/2	250	230	400	440
1002	AL118-1006	BE118-1006	1/2	320	300	510	565	AL118-1008	BE118-1008	1/2	400	380	580	645
BE118-1008	AL118-1010	BE118-1010	3/4	286	260	570	635	AL118-1012	BE118-1012	1 3/4	304	270	830	910

Offset Handle

ITEM CODE	AL BR	BE-CU	SIZE		N.W. (g)			
			C(inch)	L(mm)	AL-BR	BE-CU		
AL121-1002	AL121-1002	BE121-1002	200	50	287	314		
1002	3/8 AL121-1004	BE121-1004	230	60	380	410		
BE121-1004	1/2 AL121-1006	BE121-1006	280	75	699	765		
1006	3/4 AL121-1008	BE121-1008	300	85	1060	1160		

Ratchet Wrench



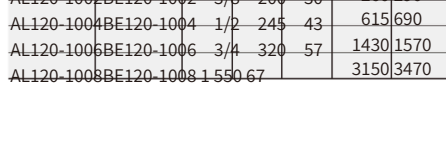
ITEM CODE	AL BR	BE-CU	SIZE		N.W. (g)									
			C(inch)	L(mm)	H(mm)	AL-BR	BE-CU							
AL119-1002	AL119-1002	BE119-1002	1/4	200	16.5	305	350	AL119-1004	BE119-1004	3/8	175	16.5	302	335
1002	AL119-1006	BE119-1006	3/8	200	16.5	360	400	AL119-1008	BE119-1008	1/2	250	16.5	480	535
BE119-1008	AL119-1010	BE119-1010	3/4	300	22	1170	1290	AL119-1012	BE119-1012	1 3/8	300	22	1440	1590

Ratchet Wrench



ITEM CODE	AL BR	BE-CU	SIZE		N.W. (g)		
			C(inch)	L(mm)	AL-BR	BE-CU	
AL120-1002	AL120-1002	BE120-1002	3/8	200	30	260	290
1002	AL120-1004	BE120-1004	1/2	245	43	615	690
BE120-1004	AL120-1006	BE120-1006	3/4	320	57	1430	1570
1006	AL120-1008	BE120-1008	1 1/8	550	67	3150	3470

Ratchet Wrench



ITEM CODE	AL BR	BE-CU	SIZE		N.W. (g)		
			C(inch)	L(mm)	AL-BR	BE-CU	
AL120A-1002	AL120A-1002	BE120A-1002	1/4	130	22.5	155	175
1002	AL120A-1004	BE120A-1004	3/8	180	30.0	335	375
BE120A-1004	AL120A-1006	BE120A-1006	1/2	250	37.5	680	760

Offset Handle



ITEM CODE	AL BR	BE-CU	SIZE		N.W. (g)		
			C(inch)	L(mm)	AL-BR	BE-CU	
AL120A-1002	AL120A-1002	BE120A-1002	1/4	130	22.5	155	175
1002	AL120A-1004	BE120A-1004	3/8	180	30.0	335	375
BE120A-1004	AL120A-1006	BE120A-1006	1/2	250	37.5	680	760

Offset Handle



ITEM CODE	AL BR	BE-CU	SIZE		N.W. (g)			
			C(inch)	L(mm)	AL-BR	BE-CU		
AL121-1002	AL121-1002	BE121-1002	200	50	287	314		
1002	3/8 AL121-1004	BE121-1004	230	60	380	410		
BE121-1004	1/2 AL121-1006	BE121-1006	280	75	699	765		
1006	3/4 AL121-1008	BE121-1008	300	85	1060	1160		

Offset Handle

ITEM CODE	AL BR	BE-CU	SIZE		N.W. (g)			
			C(inch)	L(mm)	AL-BR	BE-CU		
AL121-1002	AL121-1002	BE121-1002	200	50	287	314		
1002	3/8 AL121-1004	BE121-1004	230	60	380	410		
BE121-1004	1/2 AL121-1006	BE121-1006	280	75	699	765		
1006	3/4 AL121-1008	BE121-1008	300	85	1060	1160		

Sliding T Type Wrench



High Quality Raw Materials

Non-sparking tools are made of expensive and rare non-ferrous metal in good proportion(Be-Cu & Al-Br). The final products are in golden or silver yellow.



Advanced Die-forged Process

One-time die-forged, high hardness, strong torque, completely in accordance with Germany DIN standard. Low physical effort and increasing 30% lifespan.



Beryllium-Copper(Be-Cu)Alloy

Hardness	30-40HRC
Tensile Strength	1117N/mm ² -1326N/mm ²
Extensibility	δ≤1.0%
Elasticity limit	840-880N/mm ²
Magnetic	0

Aluminium-Bronze(AL-Br)Alloy

Hardness	20-30HRC
Tensile Strength	782N/mm ² -989N/mm ²
Extensibility	δ≥5.0%
Elasticity limit	450-550N/mm ²
Magnetic	1.2

Technical process of WEDO non-sparking tools

- The use of raw materials must strictly adhere to a scientific ratio, in full accordance with the requirements for non-sparking tool material composition. This is the most critical factor in ensuring non-sparking properties.
- The raw materials are then smelted and synthesized using scientific ratio methods. Samples are extracted to undergo drop weight and friction tests in accordance with the GB10686 standard, ensuring that the safety coefficient of the materials meets the required standards.
- Large friction press machines, ranging from 150T to 2500T and beyond, are used to forge the qualified smelting roughcast into precise shapes according to specified sizes.
- The qualified forging blanks, after passing inspection, are assigned to respective production lines for precise CNC machining based on their varieties. Once pipeline processing is complete, the products are heated according to material standards and requirements to ensure strength, toughness, and mechanical properties meet the specified standards.
- Tools that meet the standards undergo surface treatment before being moved to storage. To guarantee safe and reliable products for customers, we conduct sample quality inspections during packaging for shipment. This ensures that the non-sparking properties are maintained with a 100% qualified rate."



Instruction of Wrench

- Use the right size wrench.
- Do not use the wrench as a lever.
- Do not use with extension bar at random, unless this tool has such designed function.
- Do not strike wrench with a hammer, unless this tool has such designed function, such as striking wrench.
- Apply a force on wrench when the wrench is placed in the correct station.
- Box wrench transmits torque more smoothly, so it is more suitable for high torque.
- Damaged wrench should not be used again. Do not repair damaged wrench.

Wrench, Adjustable



ITEM CODE	SIZE		N.W. (g)	
	AL-Br	BE-Cu	L(mm)	kmax(mm)
AL125116	BE125116	150	18	150 165
AL125117	BE125117	200	24	275 305
AL125118	BE125118	250	30	500 550
AL125119	BE125119	300	36	790 870
AL125120	BE125120	375	46	1310 1450
AL125121	BE125121	450	55	1980 2160
AL125122	BE125122	600	65	3730 4130

Wrench, Adjustable



ITEM CODE	SIZE		N.W. (g)	
	AL-Br	BE-Cu	L(mm)	kmax(mm)
AL125-1002	BE125-1002	100	13	30 33
AL125-1004	BE125-1004	150	18	130 145
AL125-1006	BE125-1006	200	24	240 275
AL125-1008	BE125-1008	250	30	435 485
AL125-1010	BE125-1010	300	36	715 780
AL125-1012	BE125-1012	375	46	1415 1545
AL125-1014	BE125-1014	450	55	2120 2360
AL125-1016	BE125-1016	600	65	4300 4700

Wrench, Adjustable, Plastic Handle



ITEM CODE	SIZE		N.W. (g)	
	AL-Br	BE-Cu	L(mm)	kmax(mm)
AL125A-1002	BE125A-	100	13	30 33
1002	AL125A-1004	150	18	130 145
BE125A-1004	AL125A-	200	24	240 275
1006	BE125A-1006	250	30	435 485
AL125A-1008	BE125A-	300	36	715 780
1008	AL125A-1010	375	46	1415 1545
BE125A-1010	AL125A-	450	55	2120 2360
1012	BE125A-1012	600	65	4300 4700

AL125A-1014	BE125A-	1014	AL125A-1016	BE125A-1016
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Wrench, Adjustable



ITEM CODE	SIZE		N.W. (g)	
	AL-Br	BE-Cu	L(mm)	kmax(mm)
AL125D-1002	BE125D-	150	18	145 165
1002	AL125D-1004	200	24	270 300
BE125D-1004	AL125D-	250	30	500 550
1006	BE125D-1006	300	36	680 750

Wrench, Adjustable



ITEM CODE	SIZE		N.W. (g)	
	AL-Br	BE-Cu	L(mm)	kmax(mm)
AL125E-1002	BE125E-	150	18	150 175
1002	AL125E-1004	200	24	250 290
BE125E-1004	AL125E-	250	30	420 485
1006	BE125E-1006	300	36	650 750

Wrench, Adjustable



ITEM CODE	SIZE		N.W. (g)	
	AL-Br	BE-Cu	L(mm)	kmax(mm)
AL126-1002	BE126-1002	350	36 80	1251 1384

Wrench, Monkey



ITEM CODE	SIZE		N.W. (g)	
	AL-Br	BE-Cu	L(mm)	kmax(mm)
AL127-1002	BE127-	240	45	470 510
1002	AL127-1004	254	48	560 615
BE127-1004	AL127-	305	58	820 910
1006	BE127-1006	350	65	1120 1220
AL127-1008	BE127-	380	70	1340 1465

1008	AL127-1010	BE127-1010
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Motor Wrench



ITEM CODE	SIZE		N.W. (g)	
	AL-Br	BE-Cu	L(mm)	S(mm)
AL127A-62	BE127A-62	250	62	520 575
AL127A-78	BE127A-78	280	78	780 860
AL127A-82	BE127A-82	375	82	1300 1430

Wrench, Swedish Type 45°



ITEM CODE	SIZE		N.W. (g)	
	AL-Br	BE-Cu	L(mm)	Dmax(mm)
AL128-1002	BE128-1002	430	38	1400 1550
AL128-1004	BE128-1004	530	50	2000 2230

Wrench, Swedish Type 90°



ITEM CODE	SIZE		N.W. (g)	
	AL-Br	BE-Cu	L(mm)	Dmax(mm)
AL128B-1002	BE128B-1002	430	38	1330 1480

Wrench, Swedish Type



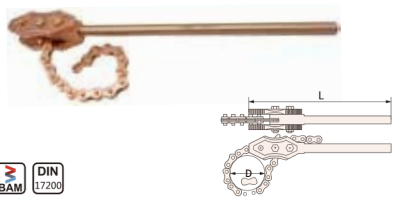
ITEM CODE	SIZE		N.W. (g)	
	AL-Br	BE-Cu	L(mm)	D(inch)
AL128A-1002	BE128A-	530	2	2355 2605
1002	AL128A-1004	650	3	4060 4500
BE128A-1004	AL128A-	790	4	5600 6200

1006	BE128A-1006
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NON-SPARKING-TOOLS

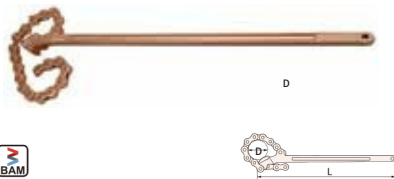
NON-SPARKING-TOOLS

Wrench, Chain Pipe



ITEM CODE	SIZE	N.W. (g)	
		AL-PP	BE-CU
AL129-1002	BE129-1002 600 100	3605	3955
AL129-1004	BE129-1004 600 150	4200	4650
AL129-1006	BE129-1006 900 200	7800	8600
AL129-1008	BE129-1008 900 300	9000	9810

Wrench, Light Chain Pipe



ITEM CODE	SIZE	N.W. (g)	
		AL-PP	BE-CU
AL129A-1002	BE129A-1002 600 100	1910	2105
1002	AL129A-1004 1600 450	9500	10500
BE129A-1004	AL129A-1004 300 60	940	1030

Wrench, Belt Pipe



ITEM CODE	SIZE	N.W. (g)	
		AL-PP	BE-CU
AL129B-1002	BE129B-1002 425 30	735	810

Wrench, Pipe



ITEM CODE	SIZE	N.W. (g)	
		AL-PP	BE-CU
AL130-1002	BE130-1002 200 25	365	400
1002	AL130-1004 250 30	560	615
BE130-1004	AL130-1004 300 40	750	825
1006	BE130-1006 350 50	1000	1100
AL130-1008	BE130-1008 450 60	1625	1785
1008	AL130-1010 600 75	2960	3255
BE130-1010	AL130-1010 900 125	5490	6035
1012	BE130-1012 1200 150	10870	12280

AL130-1014 BE130-

1014 AL130-1016

BE130-1016

Universal Wrench



ITEM CODE	SIZE	N.W. (g)	
		AL-PP	BE-CU
AL129C-1002	BE129C-1002 250	780	870
AL129C-1004	BE129C-1004 450	2200	2450

Wrench, Pipe (British Type)



ITEM CODE	SIZE	N.W. (g)	
		AL-PP	BE-CU
AL130B-1002	BE130B-1002 250	25	380
AL130B-1004	BE130B-1004 450	30	520
AL130B-1006	BE130B-1006 600	40	780
AL130B-1008	BE130B-1008 850	50	1080
AL130B-1010	BE130B-1010 10450	60	1660
AL130B-1012	BE130B-1012 12600	75	2710

Wrench, Pipe (Germany Light Type)



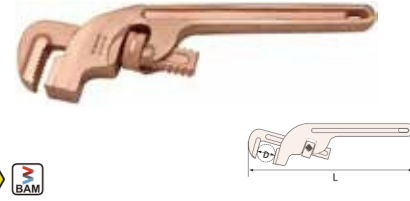
ITEM CODE	SIZE	N.W. (g)	
		AL-PP	BE-CU
AL130C-1002	BE130C-1002 350	75	1200

Wrench, Pipe (American Type)



ITEM CODE	SIZE	N.W. (g)	
		AL-PP	BE-CU
AL131-1002	BE131-1002 200 25	380	420
AL131-1004	BE131-1004 250 30	735	955
AL131-1006	BE131-1006 300 40	1195	1315
AL131-1008	BE131-1008 350 50	2050	2255
AL131-1010	BE131-1010 450 60	3150	3465
AL131-1012	BE131-1012 600 75	5345	5880
AL131-1014	BE131-1014 900 85	11450	12600
AL131-1016	BE131-1016 1200 110		

Wrench, Pipe (Diagonal Type)



ITEM CODE	SIZE	N.W. (g)	
		AL-PP	BE-CU
AL131B-1002	BE131B-1002 200 34	510	560
1002	AL131B-1004 250 48	840	930
BE131B-1004	AL131B-1004 300 50	1330	1470
1006	BE131B-1006 375 60	1610	1780
AL131B-1008	BE131B-1008 450 76	2400	2650

Wrench, Pipe (Bent Type)



ITEM CODE	SIZE	N.W. (g)	
		AL-PP	BE-CU
AL131C-1002	BE131C-1002 200 34	450	500
1002	AL131C-1004 250 48	780	850
BE131C-1004	AL131C-1004 300 50	1090	1200
1006	BE131C-1006 375 60	1770	1950
AL131C-1008	BE131C-1008 450 76	2480	2730

Wrench, Pipe (Hex Type)



ITEM CODE	SIZE	N.W. (g)	
		AL-PP	BE-CU
AL131D-1002	BE131D-1002 250 30	1130	1250
1002	AL131D-1004 350 50	1620	1785

BE131D-1004

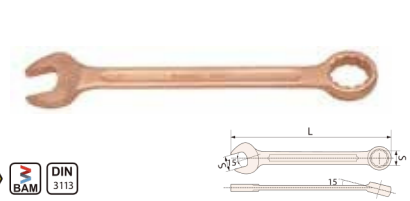
Wrench, Pipe (Bent & Hex Type)



ITEM CODE	SIZE	N.W. (g)	
		AL-PP	BE-CU
AL131E-1002	BE131E-1002 250 30	1130	1250
1002	AL131E-1004 350 50	1620	1785

BE131E-1004

Wrench, Combination



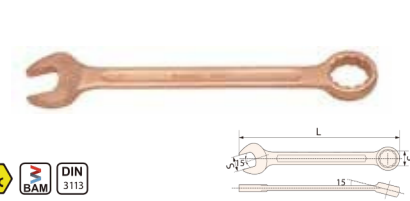
ITEM CODE	SIZE	N.W. (g)	
		AL-PP	BE-CU
AL135-6	BE135-6 6 7	105	20
AL135-7	BE135-7 8 9	120	34
AL135-8	BE135-8 120 34	37	
AL135-9	BE135-9 135 50	55	
AL135-10	BE135-10 135 50	55	
11BE135-11	AL135-11 150 75	75	
12BE135-12	AL135-12 175 110	122	
13BE135-13	AL135-13 175 110	122	
14BE135-14	AL135-14 195 145	160	
15BE135-15	AL135-15 195 145	155	
16BE135-16	AL135-16 195 140	155	
17BE135-17	AL135-17 215 190	210	
18BE135-18	AL135-18 215 190	210	
19BE135-19	AL135-19 230 200	225	
20BE135-20	AL135-20 245 200	225	
21BE135-21	AL135-21 265 220	250	
22BE135-22	AL135-22 265 233	265	
23BE135-23	AL135-23 265 230	260	
24BE135-24	AL135-24 290 380	420	
25BE135-25	AL135-25 320 380	420	
26BE135-26	AL135-26 320 380	420	
27BE135-27	AL135-27 340 600	670	
30BE135-30	AL135-30 340 600	670	
32BE135-32	AL135-32 360 750	850	
34BE135-34	AL135-34 360 800	890	
35BE135-35	AL135-35 360 800	890	
36BE135-36	AL135-36 395 1150	1200	460
38BE135-38	AL135-38 1300 1440	1700	
41BE135-41	AL135-41 1890 520	2000	2220
46BE135-46	AL135-46 560 2230	2460	595
50BE135-50	AL135-50 2950 3300	595	2900
55BE135-55	AL135-55 3250 630	4100	4550
60BE135-60	AL135-60 3250 630	4100	4550
65BE135-65	AL135-65 3250 630	4100	4550
70BE135-70	AL135-70 3250 630	4100	4550

Wrench, Combination



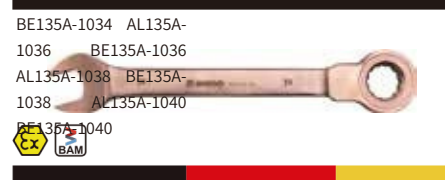
ITEM CODE	SIZE	N.W. (g)	
		AL-PP	BE-CU
AL137-17	BE137-17 17 240	210	230
AL137-19	BE137-19 19 270	250	280
AL137-21	BE137-21 21 290	340	380
AL137-22	BE137-22 22 295	370	440
AL137-24	BE137-24 24 320	390	460
AL137-27	BE137-27 27 350	520	605

Wrench, Combination



ITEM CODE	SIZE	N.W. (g)	
		AL-PP	BE-CU
AL135A-1002	BE135A-1002 1/4 105	20	22
1002	AL135A-1004 5/16 120	34	37
BE135A-1004	AL135A-1004 3/8 135	50	55
1006	BE135A-1006 7/16 150	70	75
AL135A-1008	BE135A-1008 1/2 175	115	125
1008	AL135A-1010 9/16 175	110	122
BE135A-1010	AL135A-1010 19/32 195	145	160
1012	BE135A-1012 5/8 195	140	155
AL135A-1014	BE135A-1014 11/16 195	140	155
1014	AL135A-1016 3/4 215	190	210
BE135A-1016	AL135A-1016 13/16 230	200	225
1018	BE135A-1018 7/8 245	225	250
AL135A-1020	BE135A-1020 15/16 265	230	260
1020	AL135A-1022 1 290	380	420
BE135A-1022	AL135A-1022 1-1/16 290	380	420
1024	BE135A-1024 1-1/8 320	500	560
AL135A-1026	BE135A-1026 1-3/16 320	500	560
1026	AL135A-1028 1-1/4 340	600	670
BE135A-1028	AL135A-1028 1-5/16 360	750	850
1030	BE135A-1030 1-3/8 360	800	890

Wrench, Combination Ratchet



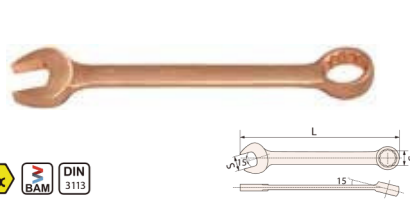
ITEM CODE	SIZE	N.W. (g)	
		AL-PP	BE-CU
AL135A-1034	AL135A-1034 1036		
1036	BE135A-1036 1038		
AL135A-1038	BE135A-1038 1040		
1038	AL135A-1040 1040		
AL136A-17	BE136A-17 17 220	225	250
AL136A-19	BE136A-19 19 240	310	380
AL136A-22	BE136A-22 22 270	510	570
AL136A-24	BE136A-24 24 290	750	900
AL136A-27	BE136A-27 27 315	1000	
AL136A-30	BE136A-30 30 350		
AL136A-32	BE136A-32 32 370	1040	1155

Wrench, Bent Open End



ITEM CODE	SIZE	N.W. (g)	
		AL-PP	BE-CU
AL138-12	BE138-12 12 120	50	55
AL138-14	BE138-14 14 130	80	90
AL138-17	BE138-17 17 150	115	125
AL138-19	BE138-19 19 170	165	180
AL138-22	BE138-22 22 190	230	250
AL138-24	BE138-24 24 210	235	255
AL138-27	BE138-27 27 230	350	380
AL138-30	BE138-30 30 250	450	490
AL138-32	BE138-32 32 270	545	590
AL138-34	BE138-34 34 280	660	720
AL138-36	BE138-36 36 290	780	850
AL138-41	BE138-41 41 310	1005	1090
AL138-46	BE138-46 46 1225	1340	1480
AL138-50	BE138-50 50 1615	1750	1955
AL138-55	BE138-55 55		

Wrench, Combination



ITEM CODE	SIZE	N.W. (g)	
		AL-PP	BE-CU
AL136-6	BE136-6 6 105	16	18
AL136-			

Wrench, Construction With Pin



ITEM CODE	SIZE	N.W. (g)	
		AL-BR	BE-CU
AL139-17	17	115	125
AL139-19	19	160	190
AL139-22	22	240	265
AL139-24	24	350	405
AL139-27	27	480	530
AL139-30	30	720	910
AL139-32	32	1010	
AL139-36	36	360	
AL139-41	41	380	
AL139-46	46	400	1010
AL139-50	50	1055	1165
AL139-55	55	1485	1825
AL139-60	60		

Wrench, Single Open End



ITEM CODE	SIZE	N.W. (g)	
		AL-BR	BE-CU
BE140-8	8	45	50
AL140-10	10	105	115
AL140-12	12	125	170
AL140-14	14	140	250
AL140-17	17	160	320
AL140-19	19	170	410
AL140-22	22	195	530
AL140-24	24	220	615
AL140-27	27	240	950
AL140-30	30	260	1080
AL140-32	32	275	
AL140-34	34	290	
AL140-36	36	310	
AL140-41	41	345	
AL140-46	46	375	
AL140-50	50	410	
AL140-55	55	450	1200
AL140-60	60	1700	1950
AL140-65	65	2250	2550
AL140-70	70	610	2800
AL140-75	75		

Crow Foot Open End



ITEM CODE	SIZE	N.W. (g)	
		AL-BR	BE-CU
AL140A-1002	3/8	115	135
AL140A-1004	3/8	160	180
AL140A-1006	3/8	240	265
AL140A-1008	3/8	350	405
AL140A-1010	3/8	480	530
AL140A-1012	3/8	720	910
AL140A-1014	3/8	1010	
AL140A-1016	3/8	120	180
AL140A-1018	3/8	160	180
AL140A-1020	3/8	165	190
AL140A-1022	1/2	180	200
AL140A-1024	1/2	305	
AL140A-1026	1/2	335	
AL140A-1028	1/2	335	
AL140A-1030	1/2	405	
AL140A-1032	1/2	405	
AL140A-1034	1/2	102	120
AL140A-1036	1/2	125	145

T-Handle Wrench



ITEM CODE	SIZE	N.W. (g)	
		AL-BR	BE-CU
AL140C-8	8	5	215
AL140C-10	10	6	215
AL140C-12	12	8	215
AL140C-14	14	10	215
AL140C-16	16	12	215
AL140C-18	18	14	215
AL140C-20	20	16	215
AL140C-22	22	18	215
AL140C-24	24	20	215
AL140C-26	26	22	215
AL140C-28	28	24	215
AL140C-30	30	26	215
AL140C-32	32	28	215
AL140C-34	34	30	215
AL140C-36	36	32	215
AL140C-38	38	34	215
AL140C-40	40	36	215
AL140C-42	42	38	215
AL140C-44	44	40	215
AL140C-46	46	42	215
AL140C-48	48	44	215
AL140C-50	50	46	215
AL140C-52	52	48	215
AL140C-54	54	50	215
AL140C-56	56	52	215
AL140C-58	58	54	215
AL140C-60	60	56	215
AL140C-62	62	58	215
AL140C-64	64	60	215
AL140C-66	66	62	215
AL140C-68	68	64	215
AL140C-70	70	66	215
AL140C-72	72	68	215
AL140C-74	74	70	215
AL140C-76	76	72	215
AL140C-78	78	74	215
AL140C-80	80	76	215
AL140C-82	82	78	215
AL140C-84	84	80	215
AL140C-86	86	82	215
AL140C-88	88	84	215
AL140C-90	90	86	215
AL140C-92	92	88	215
AL140C-94	94	90	215
AL140C-96	96	92	215
AL140C-98	98	94	215
AL140C-100	100	96	215

Rectangular Open End



ITEM CODE	SIZE	N.W. (g)	
		AL-BR	BE-CU
AL140E-1002	9*12	7	40
AL140E-1004	9*12	8	39
BE140E-1004	9*12	9	38
1006	9*12	10	42
AL140E-1008	9*12	12	43
1008	9*12	13	52
BE140E-1010	9*12	14	52
1012	9*12	17	60
AL140E-1014	9*12	19	74
1014	14*18	13	129
BE140E-1016	14*18	14	129
1018	14*18	17	136
AL140E-1020	14*18	19	147
1020	14*18	22	165
BE140E-1022	14*18	24	167
1024	14*18	27	219
AL140E-1026	14*18	30	245
1026	14*18	32	246
BE140E-1028	14*18	36	275
1030	14*18	38	265
AL140E-1032	14*18	41	307
1032	14*18		
BE140E-1034	14*18		
1036	14*18		

Wrench, Striking Open



ITEM CODE	SIZE	N.W. (g)	
		AL-BR	BE-CU
AL141-17	17	125	135
AL141-19	19	125	135
AL141-22	22	135	175
AL141-24	24	150	220
AL141-27	27	175	385
AL141-30	30	190	420
AL141-32	32	190	460
AL141-36	36	210	615
AL141-41	41	230	860
AL141-46	46	250	1100
AL141-50	50	1420	1530
AL141-55	55	2025	2120
AL141-60	60	335	2780
AL141-65	65	3660	4030
AL141-70	70	4660	5130
AL141-75	75	400	5400
AL141-80	80	7050	7800
AL141-85	85	7730	485
AL141-90	90	10500	1600
AL141-95	95	12000	3500
AL141-100	100		
AL141-110	110		

Wrench, Bent Striking Open



ITEM CODE	SIZE	N.W. (g)	
		AL-BR	BE-CU
AL141B-17	17	140	140
AL141B-19	19	140	155
AL141B-22	22	150	170
AL141B-24	24	150	220
AL141B-27	27	175	380
AL141B-30	30	190	440
AL141B-32	32	190	440
AL141B-34	34	210	620
AL141B-36	36	210	620
AL141B-38	38	230	800
AL141B-41	41	230	860
AL141B-46	46	250	1150
AL141B-50	50	1250	1380
AL141B-55	55	1780	2350
AL141B-60	60	335	2750
AL141B-65	65		

Wrench, Double Open End



ITEM CODE	SIZE	N.W. (g)	
		AL-BR	BE-CU
AL146A-1002	14*17	160	100
1002	17*19	180	110
BE146A-1004	19*22	200	140
1006	19*24	220	160
AL146A-1008	22*24	230	220
1008	24*27	255	305
BE146A-1010	27*30	280	380
1012	30*32	300	480
AL146A-1014	32*36	320	570
1014	34*36	330	670
BE146A-1016	36*41	350	810
1018	41*46	380	955
AL146A-1020	46*50	420	1190
1020	50*55	460	1720
BE146A-1022	55*60	500	2530
1024			

Wrench, Double Open End



ITEM CODE	SIZE	N.W. (g)	
		AL-BR	BE-CU
AL146-0507	5.5*7	90	20
0507	6*7	92	22
BE146-0607	7*9	96	25
0709	8*10	100	31
AL146-0810	9*11	110	45
0810	10*11	115	47
BE146-0911	10*12	120	55
1011	10*14	124	62
AL146-1012	12*13	128	67
1012	12*14	130	69
BE146-1014	13*17	150	110
1213	14*15	143	105
AL146-1214	14*17	150	110
1214	16*17	157	120
BE146-1317	16*18	163	130
1415	17*19	170	135
AL146-1417	17*21	173	165
1417	18*19	175	180
BE146-1617	19*21	182	190
1618	19*22	185	200
AL146-1719	19*24	190	210
1719	20*22	195	210
BE146-1721	21*23	200	225
1819	21*26	205	235
AL146-1921	22*24	210	245
1921	22*27	215	285
BE146-1922	23*26	220	292
1924	24*27	230	302
AL146-2022	24*30	233	310
2022	25*28	236	330
BE146-2123	26*32	243	330
2126	27*30	250	420
AL146-2224	27*32	255	430
2224	30*32	265	549
BE146-2227	30*36	270	540
2326	32*34	270	730
AL146-2427	32*36	300	730
2427	34*36	300	885
BE146-2430	36*38		800
2528	36*41		885
AL146-2632	38*40	330	1210
2632	41*46	1210	1350
BE146-2730	46*50	1350	1530
2732	50*55	1370	1850
AL146-3032	50*60	1950	2160
3032	55*60	2488	415
BE146-3036	60*65	435	3600
3234			3950
AL146-3236			
3236			
BE146-3436			
3638			

WE THE CRAFTSMEN DO SAFETY FIRST

WE THE CRAFTSMEN DO SAFETY FIRST

NON-SPARKING-TOOLS

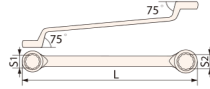
NON-SPARKING-TOOLS

Wrench, Double Box Offset



ITEM CODE	AL BR	BE CU	SIZE		N.W. (g)	
			S1*S2(mm)	L(mm)	AL-BR	BE-CU
AL151-0507	BE151-0507		5.5*7	115	20	22
0507	AL151-0607		6*7	115	23	25
BE151-0607	AL151-0709		7*9	130	46	50
0709	BE151-0810		8*10	130	50	55
AL151-0810	BE151-0911		9*11	140	65	70
0911	AL151-1011		10*11	140	75	80
BE151-1011	AL151-1012		10*12	140	78	85
1012	BE151-1011		12*13	160	110	140
AL151-1012	BE151-1213		12*14	151	220	220
1213	AL151-1213		14*17	202	220	225
BE151-1213	AL151-1618		16*18	250	265	270
1618	BE151-1719		17*19	295	280	310
1719	AL151-1719		17*22	320	255	285
BE151-1719	AL151-1618		18*19	320	410	415
1819	BE151-1719		19*22	455	340	350
AL151-1719	BE151-1719		19*24	501	550	580
BE151-1719	BE151-2126		21*26	370	570	645
2126	AL151-1819		21*26	705	380	405
AL151-1819	AL151-1922		22*27	1030	1145	980
BE151-1819	AL151-1922		24*27	1080	405	1145
1922	BE151-1922		24*30	420	1065	1165
AL151-1922	AL151-2123		25*28	1465	1600	1905
BE151-1922	AL151-2123		26*32	2077	490	2315
2123	BE151-2126		27*30	510	2360	2580
AL151-2126	BE151-2224		30*32	2745	3002	2905
BE151-2126	AL151-2427		30*36	3203	560	4105
2427	AL151-2430		32*34			
AL151-2430	BE151-2430		32*36			
BE151-2430	BE151-2528		34*36			
2528	AL151-2632		36*41			
BE151-2528	AL151-2632		41*46			
AL151-2632	BE151-2730		46*50			
BE151-2632	AL151-3032		50*55			
AL151-2730	AL151-3036		50*60			
AL151-3032	BE151-3036		55*60			
BE151-3032	AL151-3234		60*70			
AL151-3036	AL151-3236					
AL151-3234	AL151-3436					
AL151-3236	AL151-3641					
AL151-3436	AL151-4146					
AL151-3641	AL151-4650					
AL151-4146	AL151-5060					
AL151-4650	AL151-5060					
AL151-5060	AL151-5560					
AL151-5560	AL151-6070					
AL151-6070						

Wrench, Double Box Offset



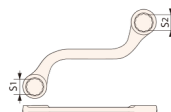
ITEM CODE	AL BR	BE CU	SIZE		N.W. (g)	
			S1*S2(mm)	L(mm)	AL-BR	BE-CU
AL151A-1719	BE151A-1719		7*9	115	20	22
AL151A-1922	BE151A-1922		9*11	130	46	50
AL151A-1924	BE151A-1924		10*12	140	65	70
AL151A-2123	BE151A-2123		12*14	155	80	90
AL151A-2224	BE151A-2224		14*17	165	90	100
AL151A-2427	BE151A-2427		17*19	185	120	132
AL151A-2730	BE151A-2730		19*22	200	165	180
AL151A-3032	BE151A-3032		22*24	220	215	215
AL151A-3236	BE151A-3236		24*27	240	255	280
AL151A-3641	BE151A-3641		27*30	280	340	385
AL151A-4146	BE151A-4146		30*32	300	365	415
AL151A-4650	BE151A-4650		32*36	330	405	455
AL151A-5060	BE151A-5060		36*41	365	445	495
AL151A-5560	BE151A-5560					

Wrench, Double Flat Box



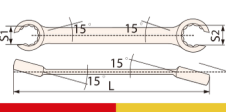
ITEM CODE	AL BR	BE CU	SIZE		N.W. (g)	
			S1*S2(mm)	L(mm)	AL-BR	BE-CU
AL153A-0810	BE153A-0810		8*10	115	29	32
0810	AL153A-0911		9*11	125	34	37
BE153A-0911	AL153A-1012		10*12	140	48	55
1012	BE153A-1012		12*14	145	62	70
AL153A-1214	BE153A-1214		14*17	165	90	100
1214	AL153A-1417		17*19	185	120	132
BE153A-1417	AL153A-1922		19*22	165	180	215
1922	BE153A-1719		22*24	240	255	280
AL153A-2224	BE153A-2224		24*27	280	340	385
BE153A-2224	AL153A-3032		30*32	600	365	415
3032	BE153A-3032		32*36			
AL153A-3236	BE153A-3236		36*41			
3236	AL153A-3641					

Wrench, Double Box S Type



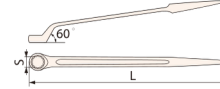
ITEM CODE	AL BR	BE CU	SIZE		N.W. (g)	
			S1*S2(mm)	L(mm)	AL-BR	BE-CU
AL152A-0607	BE152A-0607		6*7	90	40	45
AL152A-0709	BE152A-0709		7*9	90	50	55
AL152A-0810	BE152A-0810		8*10	100	70	80
AL152A-0911	BE152A-0911		9*11	100	80	90
AL152A-1012	BE152A-1012		10*12	110	110	125
AL152A-1214	BE152A-1214		12*14	125	140	160
AL152A-1417	BE152A-1417		14*17	140	200	230
AL152A-1719	BE152A-1719		17*19	170	270	310
AL152A-1922	BE152A-1922		19*22	185	370	420
AL152A-1924	BE152A-1924		19*24	185	400	450
AL152A-2123	BE152A-2123		21*23	185	430	490
AL152A-2126	BE152A-2126		21*26	185	435	500
AL152A-2224	BE152A-2224		22*24	210	600	670
AL152A-2326	BE152A-2326		23*26	210	600	670
AL152A-2427	BE152A-2427		24*27	225	640	720
AL152A-2430	BE152A-2430		24*30	225	650	740
AL152A-2528	BE152A-2528		25*28	225	670	750
AL152A-2730	BE152A-2730		27*30	250	780	870
AL152A-3032	BE152A-3032		30*32	275	980	1100

Flare Nut Open Ring Wrench



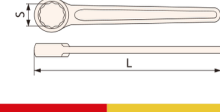
ITEM CODE	AL BR	BE CU	SIZE		N.W. (g)	
			S1*S2(mm)	L(mm)	AL-BR	BE-CU
AL153B-0607	BE153B-0607		6*7	95	15	17
0607	AL153B-0810		8*10	115	29	32
BE153B-0810	AL153B-0911		9*11	125	34	37
0911	BE153B-0911		10*12	140	48	55
AL153B-1012	BE153B-1012		12*14	145	62	70
1012	AL153B-1214		14*15	155	80	90
BE153B-1214	AL153B-1417		14*17	165	90	100
1415	BE153B-1415		16*18	170	115	127
AL153B-1417	BE153B-1719		17*19	185	120	132
1417	AL153B-1618		19*22	200	165	180
BE153B-1618	AL153B-2224		22*24	220	215	240
1719	BE153B-1719		24*27	255	288	320
AL153B-1922	BE153B-1922		24*30	270	340	375
1922	AL153B-2224		25*28	265	345	380
BE153B-2224	AL153B-2730		27*30	280	389	430
2427	BE153B-2427		30*32	295	450	498
AL153B-2430	BE153B-3034		30*34	310	535	588
2430	AL153B-2528		30*36	330	595	657
BE153B-2528	AL153B-3436		34*36	345	685	758
2730	BE153B-2730		36*41	365	845	935

Wrench, Construction



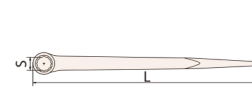
ITEM CODE	AL BR	BE CU	SIZE		N.W. (g)	
			S(mm)	L(mm)	AL-BR	BE-CU
AL154-10	BE154-10		10	230	85	90
AL154-12	BE154-12		12	250	105	110
AL154-14	BE154-14		14	270	145	180
AL154-17	BE154-17		17	310	225	250
AL154-19	BE154-19		19	330	320	350
AL154-22	BE154-22		22	350	450	500
AL154-24	BE154-24		24	370	700	600
AL154-27	BE154-27		27	400	800	900
AL154-30	BE154-30		30	430	1090	
AL154-32	BE154-32		32	430		
AL154-36	BE154-36		36	460		
AL154-41	BE154-41		41	490		
AL154-46	BE154-46		46	520	1420	1560
AL154-50	BE154-50		50	1550	1700	1850
AL154-55	BE154-55		55	2050	610	2550
AL154-60	BE154-60		60			

Wrench, Single Box



ITEM CODE	AL BR	BE CU	SIZE		N.W. (g)	
			S(mm)	L(mm)	AL-BR	BE-CU
AL156-8	BE156-8		8	110	45	
AL156-10	BE156-10		10	120	55	
AL156-12	BE156-12		12	130	65	
AL156-14	BE156-14		14	140	80	
AL156-17	BE156-17		17	155	105	
AL156-19	BE156-19		19	170	130	
AL156-22	BE156-22		22	190	150	175
AL156-24	BE156-24		24	215	200	220
AL156-27	BE156-27		27	230	245	270
AL156-30	BE156-30		30	255	335	370
AL156-32	BE156-32		32	265	385	425
AL156-36	BE156-36		36	295	500	550
AL156-41	BE156-41		41	330	750	825
AL156-46	BE156-46		46	365	1010	1120
AL156-50	BE156-50		50	1150	1270	1440
AL156-55	BE156-55		55	1590	474	1680
AL156-60	BE156-60		60	510	1875	2030
AL156-65	BE156-65		65	2300	2530	2450
AL156-70	BE156-70		70	2700		
AL156-75	BE156-75		75			

Wrench, Construction

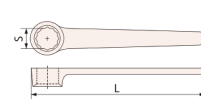


ITEM CODE	AL BR	BE CU	SIZE		N.W. (g)	
			S(mm)	L(mm)	AL-BR	BE-CU
BE155-8			8	14		

NON-SPARKING-TOOLS

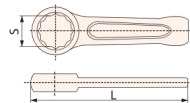
NON-SPARKING-TOOLS

Wrench, Single Box Convex



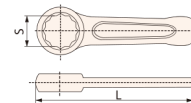
ITEM CODE AL-BR	BE-CU	SIZE		N.W. (g)	
		S(mm)	L(mm)	AL-BR	BE-CU
AL159-10	BE159-10	10	110	65	75
AL159-12	BE159-12	12	120	102	115
AL159-14	BE159-14	14	130	120	135
AL159-17	BE159-17	17	150	130	145
AL159-19	BE159-19	19	170	160	185
AL159-22	BE159-22	22	190	215	240
AL159-24	BE159-24	24	210	290	320
AL159-27	BE159-27	27	230	370	401
AL159-30	BE159-30	30	250	475	520
AL159-32	BE159-32	32	270	595	650
AL159-34	BE159-34	34	280	715	780
AL159-36	BE159-36	36	290	730	802

Wrench, Striking Box



ITEM CODE AL-BR	BE-CU	SIZE		N.W. (g)	
		S(mm)	L(mm)	AL-BR	BE-CU
AL160-17	BE160-17	17	145	125	140
AL160-19	BE160-19	19	145	125	140
AL160-22	BE160-22	22	155	160	180
AL160-24	BE160-24	24	165	220	250
AL160-27	BE160-27	27	175	315	350
AL160-30	BE160-30	30	185	430	475
AL160-32	BE160-32	32	185	450	490
AL160-34	BE160-34	34	200	490	540
AL160-36	BE160-36	36	205	520	580
AL160-38	BE160-38	38	215	620	680
AL160-41	BE160-41	41	225	680	755
AL160-46	BE160-46	46	235	890	990
AL160-50	BE160-50	50	250	1030	1145
AL160-55	BE160-55	55	1300	1440	274
AL160-60	BE160-60	60	1620	298	1800
AL160-65	BE160-65	65	320	2200	2485
AL160-70	BE160-70	70	2720	3010	350
AL160-75	BE160-75	75	3600	355	3915
AL160-80	BE160-80	80	380	4700	5200
AL160-85	BE160-85	85	4920	5450	410
AL160-90	BE160-90	90	6750	420	6320
AL160-95	BE160-95	95	445	7250	8000
AL160-100	BE160-100	100	9930	11000	520
AL160-105	BE160-105	105	11400	12610	520
AL160-110	BE160-110	110	11750	13000	565
AL160-120	BE160-120	120	13100	14500	
AL160-130	BE160-130	130			
AL160-140	BE160-140	140			
AL160-150	BE160-150	150			

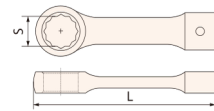
Wrench, Striking Box



ITEM CODE AL-BR	BE-CU	SIZE		N.W. (g)	
		S(inch)	L(mm)	AL-BR	BE-CU
AL161-1002	BE161-1002	11/16	145	190	210
1002	AL161-1004	3/4	145	200	220
BE161-1004	AL161-1004	7/8	155	315	350
1006	BE161-1006	1	175	350	410
AL161-1008	BE161-1008	1-1/16	175	430	475
1008	AL161-1010	1-1/8	185	470	500
BE161-1010	AL161-1010	1-3/16	185	710	790
1012	BE161-1012	1-1/4	185	755	920
AL161-1014	BE161-1014	1-3/8	200	1020	890
1014	AL161-1016	1-1/2	215	990	
BE161-1016	AL161-1016	1-5/8	225		
1018	BE161-1018	1-3/4	235		
AL161-1020	BE161-1020	1-13/16	235		
1020	AL161-1022	2	250	1030	1145

BE161-1022 AL161-1024
1024 BE161-1024
AL161-1026 BE161-1026

Wrench, Striking Box



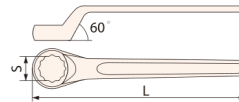
ITEM CODE AL-BR	BE-CU	SIZE		N.W. (g)	
		S(mm)	L(mm)	AL-BR	BE-CU
AL162-32	BE162-32	32	180	710	790
AL162-36	BE162-36	36	190	900	990
AL162-41	BE162-41	41	200	1300	1450
AL162-46	BE162-46	46	1600	1770	230
AL162-50	BE162-50	50	1930	260	3060
AL162-55	BE162-55	55	290	3800	4200
AL162-60	BE162-60	60	4900	5430	350
AL162-65	BE162-65	65	6480	380	7130
AL162-70	BE162-70	70	410	9350	10350
AL162-75	BE162-75	75			
AL162-80	BE162-80	80			

Safety Handrail For Striking Wrench



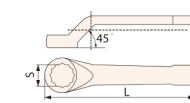
ITEM CODE AL-BR	BE-CU	SIZE		N.W. (g)	
		S(mm)	L(mm)	AL-BR	BE-CU
AL160B-1002	BE160B-1002	27-50	500	1000	1100
AL160B-1004	BE160B-1004	50-100	610	1300	1430
AL160B-1006	BE160B-1006	100-150	650	1500	1650

Wrench, Single Box Offset



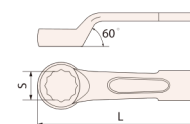
ITEM CODE AL-BR	BE-CU	SIZE		N.W. (g)	
		S(mm)	L(mm)	AL-BR	BE-CU
AL159A-22	BE159A-22	22	190	165	185
AL159A-24	BE159A-24	24	215	235	270
AL159A-27	BE159A-27	27	230	380	430
AL159A-30	BE159A-30	30	255	450	540
AL159A-32	BE159A-32	32	265	770	855
AL159A-36	BE159A-36	36	295	1000	
AL159A-41	BE159A-41	41	330		
AL159A-46	BE159A-46	46	365		
AL159A-50	BE159A-50	50	400	1200	1350
AL159A-55	BE159A-55	55	1800	2000	474
AL159A-60	BE159A-60	60	2260	510	2500
AL159A-65	BE159A-65	65	555	2900	3250
AL159A-70	BE159A-70	70	3090	3450	
AL159A-75	BE159A-75	75			

Wrench, Offset Striking Box



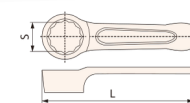
ITEM CODE AL-BR	BE-CU	SIZE		N.W. (g)	
		S(mm)	L(mm)	AL-BR	BE-CU
AL162A-27	BE162A-27	27	245	600	670
AL162A-30	BE162A-30	30	270	970	970
AL162A-32	BE162A-32	32	270	950	1060
AL162A-36	BE162A-36	36	280		
AL162A-41	BE162A-41	41	305	1280	1430
AL162A-46	BE162A-46	46	1640	1830	320
AL162A-50	BE162A-50	50	2100	320	2110
AL162A-55	BE162A-55	55	355	2640	2900
AL162A-60	BE162A-60	60	3120	3470	400
AL162A-65	BE162A-65	65	4050	420	4180
AL162A-70	BE162A-70	70	435	4950	5500
AL162A-75	BE162A-75	75	5850	6500	445
AL162A-80	BE162A-80	80	6820	450	7000
AL162A-85	BE162A-85	85	455	7130	7900
AL162A-90	BE162A-90	90	7590	8400	470
AL162A-95	BE162A-95	95	8900		
AL162A-100	BE162A-100	100			
AL162A-110	BE162A-110	110			
AL162A-120	BE162A-120	120			

Wrench, Offset Striking Box



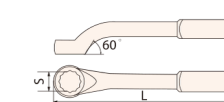
ITEM CODE AL-BR	BE-CU	SIZE		N.W. (g)	
		S(mm)	L(mm)	AL-BR	BE-CU
AL162B-24	BE162B-24	24	160	335	370
AL162B-27	BE162B-27	27	180	430	475
AL162B-30	BE162B-30	30	200	555	615
AL162B-32	BE162B-32	32	200	555	615
AL162B-36	BE162B-36	36	220	745	825
AL162B-41	BE162B-41	41	240	860	950
AL162B-46	BE162B-46	46	250	1200	1330
AL162B-50	BE162B-50	50	1450	1650	295
AL162B-55	BE162B-55	55	2000	317	2200
AL162B-60	BE162B-60	60	330	2490	2750
AL162B-65	BE162B-65	65	3060	3385	370
AL162B-70	BE162B-70	70	4655	385	4540
AL162B-75	BE162B-75	75			
AL162B-80	BE162B-80	80			

Wrench, Striking Convex Box



ITEM CODE AL-BR	BE-CU	SIZE		N.W. (g)	
		S(mm)	L(mm)	AL-BR	BE-CU
AL163-22	BE163-22	22	165	300	330
AL163-24	BE163-24	24	165	300	330
AL163-27	BE163-27	27	175	335	370
AL163-30	BE163-30	30	185	480	530
AL163-32	BE163-32	32	185	430	475
AL163-36	BE163-36	36	210	670	740
AL163-41	BE163-41	41	227	860	950
AL163-46	BE163-46	46	245	1145	1270
AL163-50	BE163-50	50	1435	1590	267
AL163-55	BE163-55	55	1800	278	1910
AL163-60	BE163-60	60	298	2340	2580
AL163-65	BE163-65	65	2680	2960	326
AL163-70	BE163-70	70	3350		
AL163-75	BE163-75	75			

Offset Slogging Box Wrench (American Type)



ITEM CODE AL-BR	BE-CU	SIZE		N.W. (g)	
		S(mm)	L(mm)	AL-BR	BE-CU
AL163A-24	BE163A-24	24	240	860	950
AL163A-27	BE163A-27	27	270	1035	1150
AL163A-30	BE163A-30	30	1340	1480	
AL163A-32	BE163A-32	32	290	1530	1690
36BE163A-36	AL163A-36	36	300	1720	1900
41BE163A-41	AL163A-41	41	1910	2110	340
46BE163A-46	AL163A-46	46	2750	350	2870
50BE163A-50	AL163A-50	50	360	3730	4125
55BE163A-55	AL163A-55	55	3920	4335	
60BE163A-60		60			
AL163A-65	BE163A-65	65	390	4010	4440
70BE163A-70	AL163A-70	70	400	4875	54

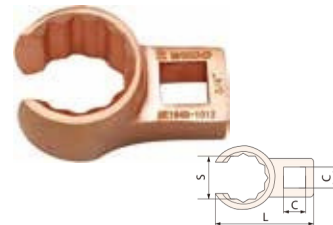
WE THE CRAFTSMEN DO SAFETY FIRST

WE THE CRAFTSMEN DO SAFETY FIRST

NON-SPARKING-TOOLS

NON-SPARKING-TOOLS

Crow Foot Box End



ITEM CODE	SIZE	N.W. (g)					
		AL-BR	BE-CU				
AL164B-1002	BE164B-3/8	7/16	29	30	35		
1002	AL164B-1004	3/8	1/2	31	35	40	
BE164B-1004	AL164B-3/8	9/16	33	40	45		
1006	BE164B-1006	3/8	5/8	38	45	50	
AL164B-1008	BE164B-3/8	11/16	41	50	55		
1008	AL164B-1010	3/8	3/4	43	1/2	50	55
BE164B-1010	AL164B-7/8	48	70	80			
1012	BE164B-1012	1/2	1	52	75	85	
AL164B-1014	BE164B-1/2	1-1/16	54	80	90		
1014	AL164B-1016	1/2	1-1/8	56	90	100	
BE164B-1016	AL164B-1/2	1-1/4	62	130	145		
1018	BE164B-1018	1/2	1-5/16	66	150	170	
AL164B-1020	BE164B-1/2	1-1/2	72	170	190		
1020	AL164B-1022	1/2	1-5/8	76	180	210	
BE164B-1022	AL164B-1/2	2	89	200	230		

Extension for Ring Wrench

AL164B-1026	BE164B-1026	AL164B-1028	BE164B-1028
BE164B-1028	AL164B-1030	BE164B-1030	AL164B-1030

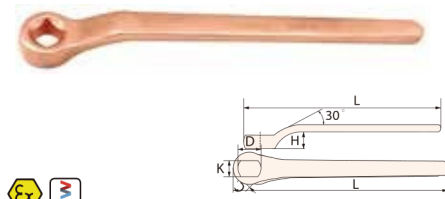
ITEM CODE	SIZE	N.W. (g)				
		AL-BR	BE-CU			
AL24-30	BE24-30	19	460	850	940	
AL32-41	BE32-41	22	610	1480	1640	760
AL46-55	BE46-55	25	2240	2480	860	
AL60-80	BE60-80	30	3515	3890		

Valve Square Driver



ITEM CODE	SIZE	N.W. (g)						
		AL-BR	BE-CU					
AL165A-15	BE165A-15	12	8	140	65	140	65	70
AL165A-20	BE165A-20	14						70
AL165A-25	BE165A-25	16	10	160	105	115		
AL165A-32	BE165A-32	17	11	200	170	185		
AL165A-40	BE165A-40	18	12	200	170	185		
AL165A-45	BE165A-45	20	14	230	235	260		
AL165A-50	BE165A-50	23	15	250	295	325		
AL165A-65	BE165A-65	24	16	300	400	440		
AL165A-80	BE165A-80	25	17	350	545	600		
AL165A-100	BE165A-100		18	350	570	625		
28	AL165A-125	BE165A-		22	400	930	1020	
125	32	AL165A-150		24	500	1350	1490	
BE165A-150	36	AL165A-		26	600	1950	2150	
200	BE165A-200		38	28	600	2200	2420	

Valve Square Driver



ITEM CODE	SIZE	N.W. (g)					
		AL-BR	BE-CU				
AL165-6	BE165-6	6	110	9	65	75	90
AL165-8	BE165-8	8	120	10	75	102	130
AL165-9	BE165-9	9	140	11	75	180	151
AL165-10	BE165-10	10	140	12	85	261	300
AL165-11	BE165-11	11	160	13	285	385	366
AL165-12	BE165-12	12	190	14	420	652	740
AL165-13	BE165-13	13	200	15	896	1000	
AL165-14	BE165-14	14	250	16			
AL165-16	BE165-16	16	250	18			
AL165-17	BE165-17	17	300	19			
AL165-19	BE165-19	19	350	20			
AL165-22	BE165-22	22	400	22			

Split Ball Valve Wrench



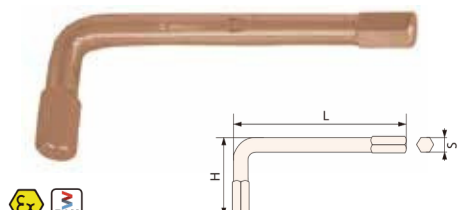
ITEM CODE	SIZE	N.W. (g)				
		AL-BR	BE-CU			
AL165B-65	BE165B-65	24	16	750	825	950
AL165B-80	BE165B-80	25	17	1045	1000	
AL165B-100	BE165B-100	28	18	1100	1250	
AL165B-125	BE165B-125	32	22	1380	1450	
AL165B-150	BE165B-150	36	24	1600	1800	
AL165B-200	BE165B-200	38	26	2000	2250	
AL165B-250	BE165B-250	42	28	3500		

Fire Hydrant Wrench



ITEM CODE	SIZE	N.W. (g)			
		AL-BR	BE-CU		
AL165C-1002	BE165C-1002	55	380	1250	1390

Wrench, Hex Key



ITEM CODE	SIZE	N.W. (g)						
		AL-BR	BE-CU					
AL166-1.5	BE166-1.5	1.5	59	25	6	8		
AL166-2	BE166-2	2	59	25	6	8		
AL166-2.5	BE166-2.5	2.5	59	25	6	8		
AL166-3	BE166-3	3	59	25	7	8		
AL166-4	BE166-4	4	65	30	8	10		
AL166-5	BE166-5	5	79	32	12	16		
AL166-6	BE166-6	6	85	37	20	25		
AL166-7	BE166-7	7	88	43	30	34		
AL166-8	BE166-8	8	92	44	45	50		
AL166-9	BE166-9	9	97	44	55	61		
AL166-10	BE166-10	10	110	45	70	82		
AL166-11	BE166-11	11	119	48	90	100		
AL166-12	BE166-12	12	130	52	130	145	140	54
AL166-13	BE166-13	13	160	180	150	58	191	211
AL166-14	BE166-14	14	156	60	230	260	162	63
AL166-15	BE166-15	15	270	300	168	65	335	370
AL166-16	BE166-16	16	173	69	402	450	177	72
AL166-17	BE166-17	17	445	490	184	74	595	652
AL166-18	BE166-18	18	186	77	615	675	192	82
AL166-19	BE166-19	19	755	825	200	84	840	925
AL166-21	BE166-21	21	206	90	940	1025	213	93
AL166-22	BE166-22	22	1115	1220	222	95	1235	
AL166-24	BE166-24	24	1350	240	105	1475	1615	
AL166-25	BE166-25	25	266	116	1885	2065	294	
AL166-26	BE166-26	26	128	2650	2905	320	140	
AL166-27	BE166-27	27	3760	4120				
AL166-28	BE166-28	28						
AL166-30	BE166-30	30						
AL166-32	BE166-32	32						
AL166-36	BE166-36	36						
AL166-41	BE166-41	41						

WEDO WRENCH

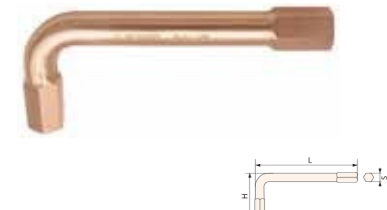
Hex
Torx
Square
Ball

Working Angle

Tools Strength

Superior strength

Wrench, Hex Key



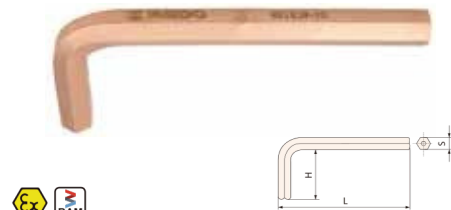
ITEM CODE	SIZE	N.W. (g)					
		AL-BR	BE-CU				
AL167-1002	BE167-1/16	59	25	6	8		
1002	AL167-1004	5/64	59	25	6	8	
BE167-1004	AL167-	3/32	59	25	6	8	
1006	BE167-1006	7/64	59	25	6	8	
AL167-1008	BE167-	1/8	59	25	6	8	
AL167-1012	BE167-	3/16	59	25	6	8	
BE167-1014	BE167-	5/32	65	30	9	10	
1014	AL167-1016	3/16	79	31	14	15	
BE167-1016	AL167-	7/32	85	37	18	20	
1018	BE167-1018	1/4	85	37	27	30	
AL167-1020	BE167-	9/32	88	43	40	45	
1020	AL167-1022	5/16	92	44	44	48	
BE167-1022	AL167-	11/32	97	44	45	50	
1024	BE167-1024	3/8	110	45	80	85	
AL167-1026	BE167-	7/16	119	48	100	110	
1026	AL167-1028	1/2	140	55	155	170	
BE167-1028	AL167-	9/16	150	58	180	195	
1030	BE167-1030	5/8	162	63	245	270	
AL167-1032	BE167-	11/16	168	65	325	355	
1032	AL167-1034	3/4	178	73	415	450	
BE167-1034	AL167-	13/16	184	77	520	565	
1036	BE167-1036	7/8	187	79	595	650	
AL167-1038	BE167-	15/16	192	82	755	825	
1038	AL167-1040		1	200	85	840	925
BE167-1040	AL167-	1-1/16	213	98	1115	1220	

Wrench, Hex Key With Ball

AL167-1044	BE167-							
1044	AL167-1046							
BE167-1046	AL167-							
1048	BE167-1048							
AL167-1050	BE167-							
1050								

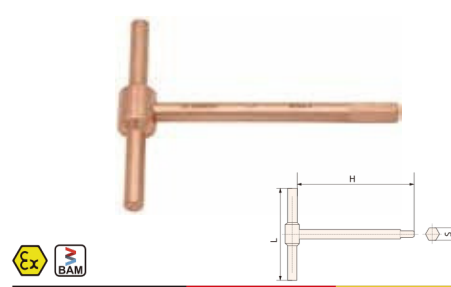
ITEM CODE	SIZE	N.W. (g)				
		AL-BR	BE-CU			
AL167A-2	BE167A-2	2	50	16	2	3
AL167A-3	BE167A-3	3	63	20	4	5
AL167A-4	BE167A-4	4	70	25	11	12
AL167A-5	BE167A-5	5	80	28	20	22
AL167A-6	BE167A-6	6	90	32	27	30
AL167A-7	BE167A-7	7	95	34	45	50
AL167A-8	BE167A-8	8	100	36	51	56
AL167A-9	BE167A-9	9	106	38	76	85
AL167A-10	BE167A-10	10	112	40	90	100
AL167A-11	BE167A-11	11	118	42	125	140
AL167A-12	BE167A-12	12	125	45	160	175

Wrench, Hex Key



ITEM CODE	SIZE	N.W. (g)				
		AL-BR	BE-CU			
AL167B-2	BE167B-2	2	50	16	2	3
AL167B-3	BE167B-3	3	63	20	4	5
AL167B-4	BE167B-4	4	70	25	11	12
AL167B-5	BE167B-5	5	80	28	20	22
AL167B-6	BE167B-6	6	90	32	27	30
AL167B-7	BE167B-7	7	95	34	45	50
AL167B-8	BE167B-8	8	100	36	50	56
AL167B-9	BE167B-9	9	106	38	77	85
AL167B-10	BE167B-10	10	112	40	90	100
AL167B-11	BE167B-11	11	118	42	126	140
AL167B-12	BE167B-12	12	125	45	145	162

Wrench, T Type Hex Key



ITEM CODE	SIZE	N.W. (g)					
		AL-BR	BE-CU				
AL167C-2	BE167C-2	2	98	100	90	100	
AL167C-3	BE167C-3	3	58	90	100	70	90
AL167C-4	BE167C-4	4	160	75	90	100	90
AL167C-5	BE167C-5	5	88	100	90		
AL167C-6	BE167C-6	6	100				
AL167C-8	BE167C-8	8	100				
AL167C-10	BE16						

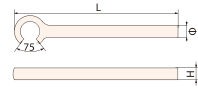
WE THE CRAFTSMEN DO SAFETY FIRST

WE THE CRAFTSMEN DO SAFETY FIRST

NON-SPARKING-TOOLS

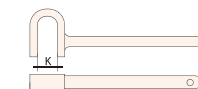
NON-SPARKING-TOOLS

Valve Wrench, C Type



ITEM CODE	SIZE	N.W. (g)
AL BR BE CU	L (mm) H (mm)	AL BR BE CU
AL170-1002	BE170-1002 600 32 32	4115 4500

Valve Spanner (U Type)



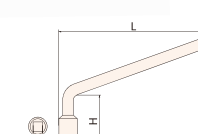
ITEM CODE	SIZE	N.W. (g)
AL BR BE CU	K (mm) L (mm)	AL BR BE CU
AL170A-1002	BE170A-1002 20 234	235 260
1002	AL170A-1004 30 280	740 820
BE170A-1004	AL170A-1004 35 335	885 980
1006	BE170A-1006 35 400	1480 1640

Valve Spanner (U Type)



ITEM CODE	SIZE	N.W. (g)
AL BR BE CU	K (mm) L (mm)	AL BR BE CU
AL170B-1002	BE170B-1002 20 226	335 370

Oxygen Bottle Wrench



ITEM CODE	SIZE	N.W. (g)
AL BR BE CU	D (mm) L (mm) H (mm)	AL BR BE CU
AL171-1002	BE171-1002 3/8 154 58	170 185

Wrench, Trigeminal



ITEM CODE	SIZE	N.W. (g)
AL BR BE CU	S (mm) A (mm)	AL BR BE CU
AL171B-08	BE171B-08 8*10*12 135	300 330
AL171B-09	BE171B-09 10*12*14 135	355 390
AL171B-10	BE171B-10 14*17*19 135	450 500

Wrench, T-type Sliding Hex



ITEM CODE	SIZE	N.W. (g)
AL BR BE CU	S (mm) L (mm) H (mm)	AL BR BE CU
AL172-10	BE172-10 10 150 110	245 270
AL172-12	BE172-12 12 170 130	265 290
AL172-14	BE172-14 14 170 140	365 400
AL172-17	BE172-17 17 190 150	423 465
AL172-19	BE172-19 19 220 160	563 615
AL172-22	BE172-22 22 240 170	605 660
AL172-24	BE172-24 24 260 180	855 935
AL172-27	BE172-27 27 260 190	915 1000
AL172-30	BE172-30 30 280 200	1195 1306
AL172-32	BE172-32 32 280 210	1375 1505
AL172-36	BE172-36 36 300 216	1645 1802
AL172-41	BE172-41 41 300 226	1895 2075

Wrench, Hook



ITEM CODE	SIZE	N.W. (g)
AL BR BE CU	D (mm) L (mm)	AL BR BE CU
AL173A-1002	BE173A-1002 118 280	310 350

Wrench, Hook



ITEM CODE	SIZE	N.W. (g)
AL BR BE CU	D (mm) L (mm) AL BR BE CU	AL BR BE CU
AL173-1002	BE173-1002 30-32 140	650
AL173-1004	BE173-1004 34-36 170	955
AL173-1006	BE173-1006 40-42 176	1155
AL173-1008	BE173-1008 45-50 209	145 160
AL173-1010	BE173-1010 52-55 212	150 170
AL173-1012	BE173-1012 58-62 244	200 225
AL173-1014	BE173-1014 68-75 250	240 265
AL173-1016	BE173-1016 80-90 284	335 375
AL173-1018	BE173-1018 95-100 288	370 415
AL173-1020	BE173-1020 110-115 337	690 770
AL173-1022	BE173-1022 120-130 343	690 770
AL173-1024	BE173-1024 135-145 388	1000 1110

Wrench, Adjustable Hook



ITEM CODE	SIZE	N.W. (g)
AL BR BE CU	D (mm) L (mm) AL BR BE CU	AL BR BE CU
AL173B-1002	BE173B-1002 19-50 162	110 120
1002	AL173B-1004 32-75 205	235 260
BE173B-1004	AL173B-1004 50-120 288	460 515
1006	BE173B-1006 115-170 310	600 670

Hook Wrench With Pin



ITEM CODE	SIZE	N.W. (g)
AL BR BE CU	D (mm) L (mm) AL BR BE CU	AL BR BE CU
AL173C-1002	BE173C-1002 30-32 136	650
1002	AL173C-1004 34-36 171	955
BE173C-1004	AL173C-1004 40-42 171	1155
1006	BE173C-1006 45-50 207	145 160
AL173C-1008	BE173C-1008 52-55 207	150 170
1008	AL173C-1010 58-62 243	200 225
BE173C-1010	AL173C-1010 68-75 243	240 265
1012	BE173C-1012 80-90 281	335 375
AL173C-1014	BE173C-1014 95-100 281	370 415
1014	AL173C-1016 110-115 333	690 770

BE173C-1016 AL173C-

1018 BE173C-1018

AL173C-1020 BE173C-

Valve Handle



ITEM CODE	SIZE	N.W. (g)
AL BR BE CU	S (mm) L (mm) H (mm) AL BR BE CU	AL BR BE CU
AL174-30	BE174-30 30 200 44 340 405	AL174-35
BE174-35	35 250 49 410 465	AL174-40
300 50 540 595	AL174-45	BE174-45
45 350 61 762	835	
AL174-48	BE174-48 48 375 62 790 865	AL174-50
BE174-50	50 400 67 815 892	AL174-55
450 73 1110 1270	AL174-60	BE174-60
60 500 79 1435		
1570	AL174-65	BE174-65
BE174-65	65 550 80 1755	1920
AL174-70	BE174-70 70 600 80 1775	1945
AL174-75	BE174-75 75 650 85 2055	2245
AL174-80	BE174-80 80 700 91	2190
2405	AL174-85	BE174-85
85 750 97 2770	3050	
AL174-90	BE174-90 90 800 103 3060	3360
AL174-93	BE174-93 93 850 107 3250	3553
AL174-96	BE174-96 96 900 110 3515	3870
AL174-100	BE174-100 100 1000 114	3795
4170	AL174-103	BE174-103
103 1200	120 5765	6330

Valve Handle



ITEM CODE	SIZE	N.W. (g)
AL BR BE CU	S (mm) L (mm) H (mm) AL BR BE CU	AL BR BE CU
AL174A-30	BE174A-30 30 200 46 240 265	AL174A-35
BE174A-35	35 250 52 340 375	AL174A-40
40 300 54 400 450	AL174A-45	BE174A-45
45 350 60 530		
585	AL174A-50	BE174A-50
50 400 68 670	740	AL174A-55
BE174A-55	55 450 74 750	830
AL174A-60	BE174A-60 60 500 80 1100	1200
AL174A-65	BE174A-65 65 550 83	1160
1280	AL174A-70	BE174A-70
70 600 88 1250	1380	
AL174A-75	BE174A-75 75 650 93.5 1500	1650
AL174A-80	BE174A-80 80 700 99.5 1700	1870
AL174A-85	BE174A-85 85 750 100 1900	2090
AL174A-90	BE174A-90 90 800 107 2100	2310
AL174A-95	BE174A-95 95 900 112 2700	2980
AL174A-100	BE174A-100 100 1000 117 3010	3330

Valve Handle



ITEM CODE	SIZE	N.W. (g)
AL BR BE CU	S (mm) L (mm) H (mm) AL BR BE CU	AL BR BE CU
AL174B-30	BE174B-30 30 200 46 240 265	AL174B-35
BE174B-35	35 250 52 340 375	AL174B-40
40 300 54 400	450	AL174B-45
45 350 60 530		
585	AL174B-50	BE174B-50
50 400 68 670	740	AL174B-55
BE174B-55	55 450 74 750	830
AL174B-60	BE174B-60 60 500 80 1100	1200
AL174B-65	BE174B-65 65 550 83	1160
1280	AL174B-70	BE174B-70
70 600 88 1250	1380	
AL174B-75	BE174B-75 75 650 93.5 1500	1650
AL174B-80	BE174B-80 80 700 99.5 1700	1870
AL174B-85	BE174B-85 85 750 100 1900	2090
AL174B-90	BE174B-90 90 800 107 2100	2310
AL174B-95	BE174B-95 95 900 112 2700	2980
AL174B-100	BE174B-100 100 1000 117 3010	3330

Valve Handle



ITEM CODE	SIZE	N.W. (g)
AL BR BE CU	S (mm) L (mm) H (mm) AL BR BE CU	AL BR BE CU
AL175-22	BE175-22 22 200 50 345 390	475
AL175-28	BE175-28 28 250 53 550 615	722
AL175-34	BE175-34 34 300 56 780 905	910
AL175-39	BE175-39 39 350 60 1050 1130	
AL175-44	BE175-44 44 400 64 1260 1250	
AL175-48	BE175-48 48 450 69 1405 1720	
AL175-53	BE175-53 53 500 74 1890 2005	
AL175-58	BE175-58 58 550 79 2220	
AL175-63	BE175-63 63 600 84	

Valve Spanner



ITEM CODE	SIZE	N.W. (g)
AL BR BE CU	K (mm) L (mm) AL BR BE CU	AL BR BE CU
AL176A-1002	BE176A-1002 40 355	825 915

Valve Handle



ITEM CODE	SIZE	N.W. (g)
AL BR BE CU	S (mm) L (mm) H (mm) AL BR BE CU	AL BR BE CU
AL176-30	BE176-30 30 200 44 250 280	300 50
AL176-32	BE176-32 32 490 540 250 47	325 364
AL176-35	BE176-35 35 300 50 422 470	350 58
AL176-40	BE176-40 40 540 610 375 62	595 660
AL176-45	BE176-45 45 400 67 615 705	450 73
AL176-48	BE176-48 48 870 960 500 79	1105 1205
AL176-50	BE176-50 50 550 82 1250 1370	600 85
AL176-55	BE176-55 55 1360 1540 650 88	1540
AL176-60	BE176-60 60 1705 700 91	1650 1910
AL176-65	BE176-65 65 750 97 2015 2250	800 103
AL176-70	BE176-70 70 2130 2380	
AL176-75	BE176-75 75	
AL176-80	BE176-80 80	
AL176-85	BE176-85 85	
AL176-90	BE176-90 90	

Valve Spanner

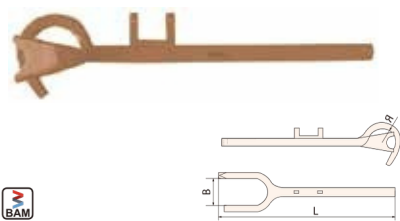


ITEM CODE	SIZE	N.W. (g)
AL BR BE CU	B (mm) D (mm) L (mm) AL BR BE CU	AL BR BE CU
AL176B-1002	BE176B-1002 60 36 370 650 780	
1002	AL176B-1004 80 48 430 1350 1520	
BE176B-1004	AL176B-1004 102 62 550 2000 2250	

Valve Spanner

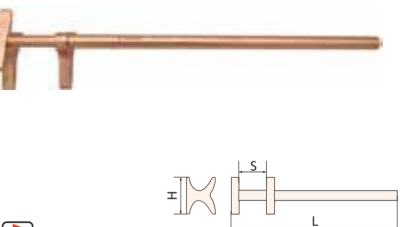


Valve Spanner



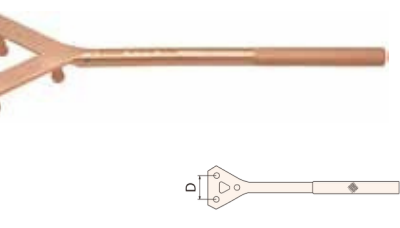
ITEM CODE	SIZE	N.W. (g)
AL176D-1002	50 22.5 290 775 700	
1002	60 35.5 430 1770 1580	
BE176D-1004	80 40 520 2770 2500	
1006	90 45 660 4080 3660	

Valve Spanner



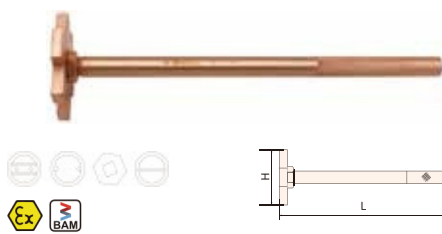
ITEM CODE	SIZE	N.W. (g)
AL176E-1002	40 50 300 540 590	
1002	55 74 450 1050 1165	
BE176E-1004	70 80 600 1700 1950	
1006	90 100 800 2600 2800	

Valve Spanner



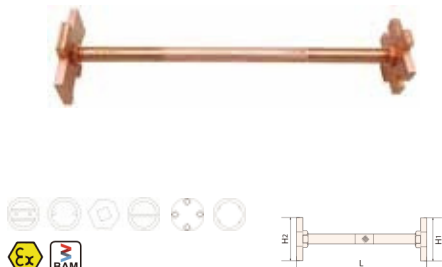
ITEM CODE	SIZE	N.W. (g)
AL176F-200	25 200 200 220 340	
AL176F-250	35 250 375 400 440	
AL176F-300	42 300 600 650 940	
AL176F-350	62 350 1030	
AL176F-400	90 400	
AL176F-450	110 450 1300 1430 500	
AL176F-500	165 1900 2090 550 2200	
AL176F-550	225 2420	

Wrench, Bung



ITEM CODE	SIZE	N.W. (g)
AL177-1002	70 300 580 680	

Wrench, Bung



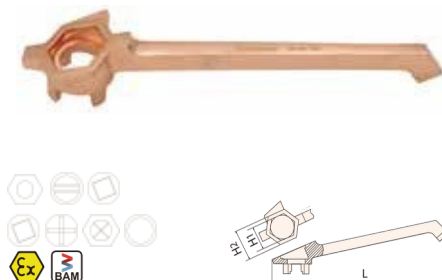
ITEM CODE	SIZE	N.W. (g)
AL178-1002	350 70 95 1070 1165	

Wrench, Bung



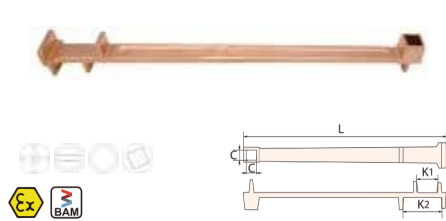
ITEM CODE	SIZE	N.W. (g)
AL179-1002	385 93 61 1150 1250	

Wrench, Bung



ITEM CODE	SIZE	N.W. (g)
AL179A-1002	300 38 52 750 380	

Wrench, Bung



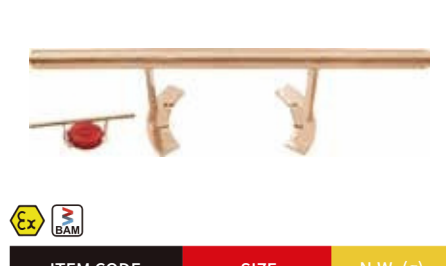
ITEM CODE	SIZE	N.W. (g)
AL179B-1002	520 19 40 73 1100 1120	

Drum Opener



ITEM CODE	SIZE	N.W. (g)
AL179C-1002	520 2800 3100	

Drum Wrench



ITEM CODE	SIZE	N.W. (g)
AL179D-1002	500 175 1500 1650	
1002	500 250 1800 2000	

Pointed Knife, Square Bung



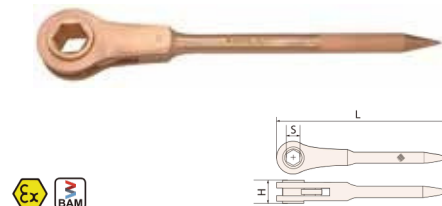
ITEM CODE	SIZE	N.W. (g)
AL179E-1002	125 200 1220 1350	

Gas Joint Wrench



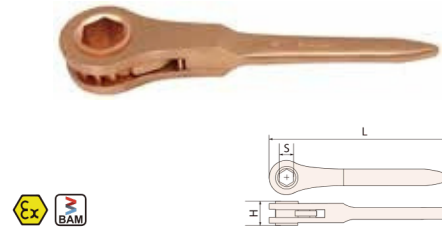
ITEM CODE	SIZE	N.W. (g)
AL179F-1002	75 50 60	

Ratchet Wrench



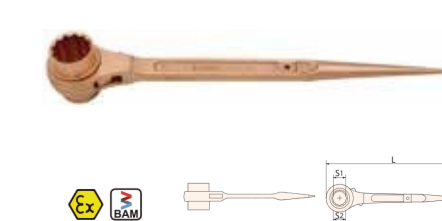
ITEM CODE	SIZE	N.W. (g)
AL181-17	17 290 35 650 720	
AL181-19	19 300 35 750 850	
AL181-22	22 320 38 890 995	
AL181-24	24 329 39 1100 1230	
AL181-27	27 380 39 1350 1500	
AL181-30	30 433 42 1600 1900	
AL181-32	32 435 42 1700 1935	
AL181-36	36 487 43 2320 2580	

Ratchet Wrench



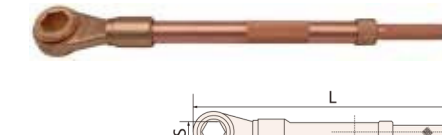
ITEM CODE	SIZE	N.W. (g)
AL182-17	17 35 230 621 725	
AL182-19	19 35 240 652 745	
AL182-21	21 38 260 835 963	
AL182-22	22 38 260 835 963	
AL182-24	24 39 270 1022 1175	
AL182-26	26 39 285 1102 1253	
AL182-27	27 39 285 1102	
AL182-30	30 42 300 1325 1532	
AL182-32	32 42 315 1427 1622	
AL182-35	35 43 330 1673	
AL182-36	36 43 330 1673	
AL182-41	41 45 330 1948 2129	

Ratchet Wrench



ITEM CODE	SIZE	N.W. (g)
AL180A-14	14 17 310 370 410 410	
AL180A-17	17 19 345 415 450 480 530	
AL180A-19	19 22 380 450 480 530	
AL180A-22	22 24 400 480 510 560	
AL180A-24	24 27 420 510 560 610	
AL180A-27	27 30 450 540 590 640	
AL180A-30	30 32 480 570 620 670	
AL180A-32	32 36 495 585 635 685	
AL180A-36	36 41 1300 1450	
AL180A-2427	24 27 400 470 520 570	
AL180A-2730	27 30 420 490 540 590	
AL180A-3032	30 32 440 510 560 610	
AL180A-3236	32 36 460 530 580 630	

Ratchet Wrench



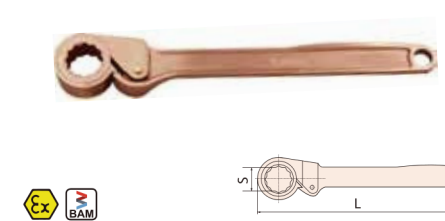
ITEM CODE	SIZE	N.W. (g)
AL180B-22	22 400 650 1550 1700	
AL180B-24	24 440 700 1820 2000	
AL180B-27	27 500 750 2280 2500	
AL180B-30	30 535 800 2730 3000	
AL180B-32	32 535 800 2870	
AL180B-36	36 580 880 3000 3350	
AL180B-41	41 600 900 3280 3600	

Ratchet Wrench



ITEM CODE	SIZE	N.W. (g)
AL183-17	17 250 28 650 710 820	
AL183-19	19 250 28 896 940	
AL183-21	21 250 30 1030 1010	
AL183-22	22 250 30 1105 1230	
AL183-24	24 250 32 1345 1250	
AL183-26	26 250 34 1365 1450	
AL183-27	27 250 34 1580 1640	
AL183-30	30 250 40 1795 1820	
AL183-32	32 250 40 1990 1840	
AL183-35	35 250 45 2010 2035	
AL183-36	36 250 45 2225	

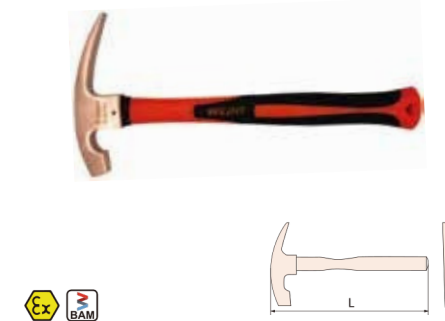
Ratchet Wrench



ITEM CODE	SIZE	N.W. (g)
AL183A-9	9 150 110 125	
AL183A-11	11 150 110 125	
AL183A-13	13 155 140 160	
AL183A-14	14 155 140 160	
AL183A-17	17 200 230 260	
AL183A-19	19 200 230 260	
AL183A-22	22 220 300 340	
AL183A-24	24 220 300 340	
AL183A-27	27 245 500 560	
AL183A-30	30 280 750 840	
AL183A-32	32 280 750 840	
AL183A-36	36 290 1050 1180 295	
AL183A-41	41 1100 1230 360 1850	
AL183A-46	46 2060 360 2000 2230	
AL183A-50	50 440 2600 2900 440	
AL183A-55	55 2600 2900	
AL183A-60	60 2600 2900	



Hammer, Bricklayers'



ITEM CODE	SIZE	N.W. (g)
AL184-1002	600 340 750 750	
AL184-1004	800 340 1000 1000	

NON-SPARKING-TOOLS

NON-SPARKING-TOOLS

WE THE CRAFTSMEN DO SAFETY FIRST

Hammer, Claw



ITEM CODE	SIZE	N.W. (g)	
		AL-BR	BE-CU
AL185-1002	230 280	405	405
AL185-1004	450 300	652	652
AL185-1006	680 330	953	953
AL185-1008	910 375	1205	1205

Carpenter's Hammer



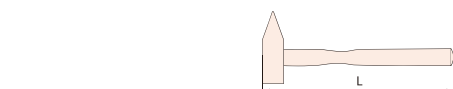
ITEM CODE	SIZE	N.W. (g)	
		AL-BR	BE-CU
AL185A-500	500 300	700	700
AL185A-600	600 330	870	870

Hammer, Cutoff



ITEM CODE	SIZE	N.W. (g)	
		AL-BR	BE-CU
AL188-1002	300 280	420	420
AL188-1004	450 310	650	650
AL188-1006	600 340	900	900

Hammer, Cross Pein Engine



ITEM CODE	SIZE	N.W. (g)	
		AL-BR	BE-CU
AL186-1002	500 310	655	655
AL186-1004	1000 340	1175	1175
AL186-1006	1500 1850	400	2455
AL186-1008	2000 2455	700	3700
AL186-1010	3000 900	6000	6000
AL186-1012	5000 2000		

Hammer, Cross Pein Engineers'



ITEM CODE	SIZE	N.W. (g)	
		AL-BR	BE-CU
AL186A-1002	500 310	600	600
AL186A-1004	1000 320	1150	360
AL186A-1006	1500 1650	380	2200
AL186A-1008	2000 2200	700	3400
AL186A-1010	3000 800	5500	5500
AL186A-1012	5000 2000		

Hammer, Cutoff (Japan Type)



ITEM CODE	SIZE	N.W. (g)	
		AL-BR	BE-CU
AL189-1002	250 280	461	461
AL189-1004	300 280	570	570

Hammer, Engineer's Cross Pein

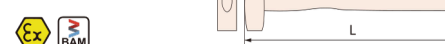


ITEM CODE	SIZE	N.W. (g)	
		AL-BR	BE-CU
AL189B-1002	500 310	650	650
1002	900 350	1100	1100

BE189B-1004

WE THE CRAFTSMEN DO SAFETY FIRST

Hammer, Cutoff



ITEM CODE	SIZE	N.W. (g)	
		AL-BR	BE-CU
AL188A-1002	300 300	390	390
1002	450 325	560	560
BE188A-1004	600 365	830	830
1006	BE188A-1006		

Hammer, Cutoff (Japan Type)



ITEM CODE	SIZE	N.W. (g)	
		AL-BR	BE-CU
AL189A-1002	230 280	420	420
1002	380 330	500	500

Hammer, Scaling



ITEM CODE	SIZE	N.W. (g)	
		AL-BR	BE-CU
AL190-1002	150 280	205	205
1002	300 280	370	370

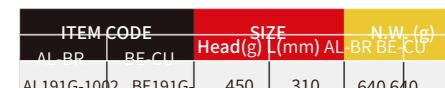
BE190-1004

Hammer, Sledge



ITEM CODE	SIZE	N.W. (g)	
		AL-BR	BE-CU
AL191-1002	450 310	610	610
AL191-1004	1000 350	1300	1300
AL191-1006	1400 1700	400	1800
AL191-1008	1500 1800	400	2100
AL191-1010	1800 400	2300	400
AL191-1012	2000 2500	700	3210
AL191-1014	2200 3210	700	3410
AL191-1016	2500 700	3710	700
AL191-1018	2700 4310	900	4910
AL191-1020	3000 4910	900	5410
AL191-1022	3600 900	5910	900
AL191-1024	4000 6310	900	7310
AL191-1026	4500 7310	900	8110
AL191-1028	5000 900	8910	900
AL191-1030	5400 9110	900	10010
AL191-1032	6400 10010	900	10810
AL191-1034	7200 10810		
AL191-1036	8000		
AL191-1038	8200		
AL191-1040	9100		
AL191-1042	9900		

Sledge Hammer With Hickory Handle



ITEM CODE	SIZE	N.W. (g)	
		AL-BR	BE-CU
AL191G-1002	450 310	640	640
1002	1000 320	1200	360
BE191G-1004	1400 1620	360	1720
1006	1500 1720	380	2020
AL191G-1008	1800 380	2240	400
1008	2000 2440	400	2740
BE191G-1010	2200 2740	400	2940
1012	2500 700	3500	700
AL191G-1014	2700 4100	4100	4600
1014	3000 4600	800	5100
BE191G-1016	3600 800	5600	800
1018	4000 6000	800	7000
AL191G-1020	4500 7000	900	7850
1020	5000 900	8700	900
BE191G-1022	5400 8900	900	9800
1024	6400 9800		900
AL191G-1026	7200 10600	10600	
1026	8000		
BE191G-1028	8200		
1030	9100		
AL191G-1032	9900		

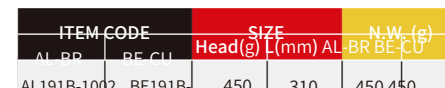
1032 AL191G-1034
BE191G-1034 AL191G-1036

Hammer, Sledge



ITEM CODE	SIZE	N.W. (g)	
		AL-BR	BE-CU
AL191A-1002	450 310	450	450
1002	1000 350	1000	400
BE191A-1004	1400 1400	400	1500
1006	1500 1500	400	1800
AL191A-1008	1800 400	2000	400
1008	2000 2200	700	2500
BE191A-1010	2200 2500	700	2700
1012	2500 700	3000	700
AL191A-1014	2700 3600	900	4000
1014	3000 4000	900	4500
BE191A-1016	3600 900	5000	900
1018	4000 5400	900	6400
AL191A-1020	4500 6400	900	7200
1020	5000 900	8000	900
BE191A-1022	5400 8200	900	9100
1024	6400 9100	9900	9900
AL191A-1026	7200		
1026	8000		
BE191A-1028	8200		
1030	9100		
AL191A-1032	9900		

Hammer, Sledge



ITEM CODE	SIZE	N.W. (g)	
		AL-BR	BE-CU
AL191B-1002	450 310	450	450
1002	1000 320	1000	360
BE191B-1004	1400 1400	360	1500
1006	1500 1500	380	1800
AL191B-1008	1800 380	2000	400
1008	2000 2200	400	2500
BE191B-1010	2200 2500	400	2700
1012	2500 700	3000	700
AL191B-1014	2700 3600	3600	4000
1014	3000 4000	800	4500
BE191B-1016	3600 800	5000	800
1018	4000 5400	800	6400
AL191B-1020	4500 6400	900	7200
1020	5000 900	8000	900
BE191B-1022	5400 8200	900	9100
1024	6400 9100	9900	9900
AL191B-1026	7200		
1026	8000		
BE191B-1028	8200		
1030	9100		
AL191B-1032	9900		

1032 AL191B-1034
BE191B-1034 AL191B-1036

OEM

PROFESSIONAL TOOLS

NON-SPARKING HAMMER

WEDO
TOOLS FOR SAFETY

● Beryllium copper/Aluminum bronze material.
● Non-sparking, safely to be used.
● Customized upon requests.

WE THE CRAFTSMEN DO SAFETY FIRST

WE THE CRAFTSMEN DO SAFETY FIRST

NON-SPARKING-TOOLS

NON-SPARKING-TOOLS

Hammer, Sledge (German Type)



ITEM CODE	AL BR BE CU	SIZE		N.W. (g)	
		Head(g)	L(mm)	AL-BR	BE-CU
AL191C-1002	BE191C-1002	500	310	650	650
1002	AL191C-1004	1000	350	1300	400
BE191C-1004	AL191C-1500	1800	1800	400	2300
1006	BE191C-1006	2000	2300	700	3700
AL191C-1008	BE191C-3000	900	4900	4900	900
1008	AL191C-1010	4000	5900	5900	
BE191C-1010	AL191C-5000				

1012 BE191C-1012

Club Hammer

1014



ITEM CODE	AL BR BE CU	SIZE		N.W. (g)	
		Size(lb)	AL-BR	BE-CU	
AL191D-1002	BE191D-1002	2	910	910	
1002	AL191D-1004	4	1800	1800	

BE191D-1004

Hammer, Nylon Heads



ITEM CODE	AL BR BE CU	SIZE		N.W. (g)	
		Size(g)	L(mm)	AL-BR	BE-CU
AL191E-1002	BE191E-1002	800	340	950	950
1002	AL191E-1004	1000	400	1200	1200

AL191E-1004

Hammer, Nylon Heads



ITEM CODE	AL BR BE CU	SIZE		N.W. (g)	
		Size(g)	L(mm)	AL-BR	BE-CU
AL191F-1002	BE191F-1002	240	420	420	
AL191F-1004	BE191F-1004	340	650	650	

Hammer, Testing



ITEM CODE	AL BR BE CU	SIZE		N.W. (g)	
		Head(g)	L(mm)	AL-BR	BE-CU
AL192-1002	BE192-1002	150	280	206	206
AL192-1004	BE192-1004	250	280	345	345

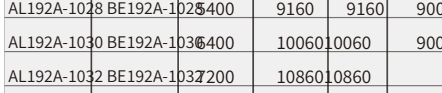
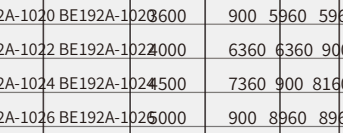
Sledge Hammer



ITEM CODE	AL BR BE CU	SIZE		N.W. (g)	
		Head(g)	L(mm)	AL-BR	BE-CU
AL192A-1002	BE192A-1002	1000	370	1300	370
AL192A-1004	BE192A-1004	400	1700	1700	370
AL192A-1006	BE192A-1006	500	1800	370	2100
AL192A-1008	BE192A-1008	800	370	2300	370
AL192A-1010	BE192A-1010	2000	2500	700	3460
AL192A-1012	BE192A-1012	2200	3460	700	3660
AL192A-1014	BE192A-1014	2500	700	3960	700
AL192A-1016	BE192A-1016	2700	4560	900	4960
AL192A-1018	BE192A-1018	3000	4960	900	5460
AL192A-1020	BE192A-1020	3600	900	5960	900
AL192A-1022	BE192A-1022	4000	6360	900	7360
AL192A-1024	BE192A-1024	4500	7360	900	8160
AL192A-1026	BE192A-1026	5000	900	8960	900
AL192A-1028	BE192A-1028	5400	9160	9160	900
AL192A-1030	BE192A-1030	6400	10060	10060	900
AL192A-1032	BE192A-1032	7200	10860	10860	
AL192A-1034	BE192A-1034	8000			
AL192A-1036	BE192A-1036	200			
AL192A-1038	BE192A-1038	100			
AL192A-1040	BE192A-1040	900			

ITEM CODE	AL BR BE CU	SIZE		N.W. (g)	
		L	H	AL-BR	BE-CU
AL195-1002	BE195-1002	240	190	98	1300

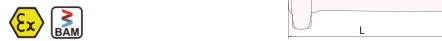
Axe



ITEM CODE	AL BR BE CU	SIZE		N.W. (g)	
		B	H	L	AL-BR
AL196-1002	BE196-1002	282	145	340	890

AL196-1002

Hammer, Sledge (German Type)



ITEM CODE	AL BR BE CU	SIZE		N.W. (g)	
		Head(g)	L(mm)	AL-BR	BE-CU
AL192B-1004	BE192B-1004	1000	370	1300	370
1004	AL192B-1006	1500	1800	1800	370
BE192B-1006	AL192B-2000	2300	700	3950	3950
1008	BE192B-1008	3000	900	4950	900
AL192B-1010	BE192B-4000	5950	5950		
1010	AL192B-1012	5000			

BE192B-1012

Hammer Plumb



ITEM CODE	AL BR BE CU	SIZE		N.W. (g)	
		H	mm	AL-BR	BE-CU
AL193-1002	BE193-1002	59	50	247	275

Axe Fireman



ITEM CODE	AL BR BE CU	SIZE		N.W. (g)	
		L	H	AL-BR	BE-CU
AL195-1002	BE195-1002	240	190	98	1300

Axe



ITEM CODE	AL BR BE CU	SIZE		N.W. (g)	
		B	H	L	AL-BR
AL196-1002	BE196-1002	282	145	340	890

AL196-1002

Pick Railroad



ITEM CODE	AL BR BE CU	SIZE		N.W. (g)	
		Size H	L	AL-BR	BE-CU
AL194-1002	BE194-1002	1#	360	910	2000
1004	BE194-1004	2#	385	910	2800
1006	BE194-1006	3#	410	910	3200
1008	BE194-1008	4#	470	910	3500

Pick Railroad



ITEM CODE	AL BR BE CU	SIZE		N.W. (g)	
		Size L	AL-BR	BE-CU	
AL194A-1002	BE194A-1002	1#	910	2000	2100
1002	AL194A-1004	2#	2800	2950	3200
BE194A-1004	AL194A-3#	3385	910	4000	4330
1006	BE194A-1006	4#			

AL194A-1008

Axe, Pick Head



ITEM CODE	AL BR BE CU	SIZE		N.W. (g)	
		Size(g)	B	L	AL-BR
AL196A-1002	BE196A-1002	800	120	920	2650

Anvil Block



ITEM CODE	AL BR BE CU	SIZE		N.W. (g)	
		Size(g)	H	K	
AL197-1002	BE197-1002	3000	63	92	
1002	AL197-1004	5000	75	111	
BE197-1004	AL197-16000	16000	114	160	

1006 BE197-1006

Shovel, Square



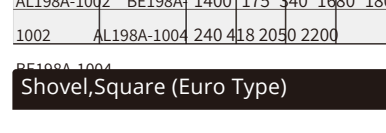
ITEM CODE	AL BR BE CU	SIZE		N.W. (g)	
		L	B	AL-BR	BE-CU
AL198-1002	BE198-1002	940	175	340	1290
1004	BE198-1004	990	240	418	1650

Shovel, Square



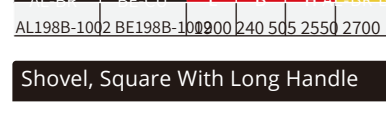
ITEM CODE	AL BR BE CU	SIZE		N.W. (g)	
		L	B	AL-BR	BE-CU
AL198A-1002	BE198A-1002	1400	175	340	1680
1002	AL198A-1004	240	418	2050	2200

Shovel, Square (Euro Type)



ITEM CODE	AL BR BE CU	SIZE		N.W. (g)	
		L	B	AL-BR	BE-CU
AL198B-1002	BE198B-1002	900	240	505	2550

Shovel, Square With Long Handle



ITEM CODE	AL BR BE CU	SIZE		N.W. (g)	
		L	B	AL-BR	BE-CU
AL198C-1002	BE198C-1002	1750	175	340	1620

Shovel, Square With Long Handle

ITEM CODE	AL BR BE CU	SIZE		N.W. (g)	
		B	L	AL-BR	BE-CU
AL201C-1002	BE201C-1002	150	590	1300	1370

AL201C-1002

Dust Pan



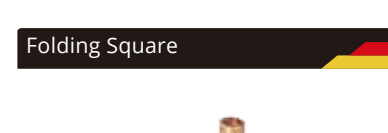
ITEM CODE	AL BR BE CU	SIZE		N.W. (g)	
		L	B	AL-BR	BE-CU
AL199-1002	BE199-1002	990	270	520	2130

Shovel, Round Point



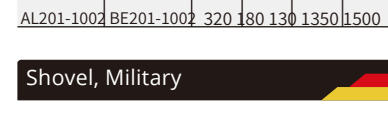
ITEM CODE	AL BR BE CU	SIZE		N.W. (g)	
		L	B	AL-BR	BE-CU
AL200A-1002	BE200A-1002	30	170	300	1220

Folding Square



ITEM CODE	AL BR BE CU	SIZE		N.W. (g)	
		L	B	AL-BR	BE-CU
AL201-1002	BE201-1002	320	180	130	1350

Shovel, Military



ITEM CODE	AL BR BE CU	SIZE		N.W. (g)	
		B	L	AL-BR	BE-CU
AL201C-1002	BE201C-1002	15			

WE THE CRAFTSMEN DO SAFETY FIRST

WE THE CRAFTSMEN DO SAFETY FIRST

NON-SPARKING-TOOLS

NON-SPARKING-TOOLS

Shovel, Round Point



ITEM CODE		SIZE(mm)			N.W.-(g)	
AL	BR	L	B	H	AL	BR
AL200-1002	BE200-1002	990	240	420	1420	1553

Shovel, Square (Plastic D-handle)



ITEM CODE		SIZE	
AL	BR	L(mm)	B(mm)
AL1981-1002	BE1981-1002	970	240

Shovel, Square with locking Clip (Bronze Hoop)



ITEM CODE		SIZE	
AL	BR	L(mm)	B(mm)
AL1985-1002	BE1985-1002	1390	240

Shovel, Square (Anti-skid Sleeve)



ITEM CODE		SIZE	
AL	BR	L(mm)	B(mm)
AL1989-1002	BE1989-1002	1220	195

Shovel, Square Long Bent Neck with D-handle (American Type)



ITEM CODE		SIZE	
AL	BR	L(mm)	B(mm)
AL1993-1002	BE1993-1002	1100	235

Shovel, Square Long Straight Neck with Fiberglass Handle (American Type)



ITEM CODE		SIZE	
AL	BR	L(mm)	B(mm)
AL1997-1002	BE1997-1002	1500	230

Shovel, Round Point



ITEM CODE		SIZE(mm)			N.W.-(g)	
AL	BR	L	B	H	AL	BR
AL200B-1002	BE200B-1002	990	240	420	1420	1553

Shovel, Square (Bronze Hoop)



ITEM CODE		SIZE	
AL	BR	L(mm)	B(mm)
AL1982-1002	BE1982-1002	1390	240

Shovel, Square with Locking Clip (Anti-skid Sleeve)



ITEM CODE		SIZE	
AL	BR	L(mm)	B(mm)
AL1986-1002	BE1986-1002	1410	240

Shovel, Square (Plastic D-handle)



ITEM CODE		SIZE	
AL	BR	L(mm)	B(mm)
AL1990-1002	BE1990-1002	1020	180

Shovel, Square Long Bent Neck with Bronze Hoop (American Type)



ITEM CODE		SIZE	
AL	BR	L(mm)	B(mm)
AL1994-1002	BE1994-1002	1390	235

Shovel, Square Long Straight Neck with D-handle (American Type)



ITEM CODE		SIZE	
AL	BR	L(mm)	B(mm)
AL1998-1002	BE1998-1002	1080	230

Shovel, Snow



ITEM CODE		SIZE		N.W.-(g)	
BR		H(mm)	L(mm)	BR	
BR201B-1002		570	1480	2500	

Shovel, Square (Anti-skid Sleeve)



ITEM CODE		SIZE	
AL	BR	L(mm)	B(mm)
AL1983-1002	BE1983-1002	1410	240

Shovel, Square (Plastic D-handle)



ITEM CODE		SIZE	
AL	BR	L(mm)	B(mm)
AL1987-1002	BE1987-1002	970	195

Shovel, Square (Bronze Hoop)



ITEM CODE		SIZE	
AL	BR	L(mm)	B(mm)
AL1991-1002	BE1991-1002	1200	180

Shovel, Square Long Bent Neck with Anti-skid Sleeve (American Type)



ITEM CODE		SIZE	
AL	BR	L(mm)	B(mm)
AL1995-1002	BE1995-1002	1410	235

Shovel, Square Long Straight Neck with Bronze Hoop (American Type)



ITEM CODE		SIZE	
AL	BR	L(mm)	B(mm)
AL1999-1002	BE1999-1002	1390	230

Deep Edging Spade with Plastic D-handle



ITEM CODE		SIZE(mm)			N.W.-(g)	
AL	BR	H	B	H1	AL	BR
AL201A-1002	BE201A-	1390	195	290	1740	1840
1002	AL201A-1004	180	340	1880	2040	

Shovel, Square with locking clip (Plastic D-handle)



ITEM CODE		SIZE	
AL	BR	L(mm)	B(mm)
AL1984-1002	BE1984-1002	970	240

Shovel, Square (Bronze Hoop)



ITEM CODE		SIZE	
AL	BR	L(mm)	B(mm)
AL1988-1002	BE1988-1002	1200	195

Shovel, Square (Anti-skid Sleeve)



ITEM CODE		SIZE	
AL	BR	L(mm)	B(mm)
AL1992-1002	BE1992-1002	1220	180

Shovel, Square Long Bent Neck with Fiberglass Handle (American Type)



ITEM CODE		SIZE	
AL	BR	L(mm)	B(mm)
AL1996-1002	BE1996-1002	1530	235

Shovel, Square Long Straight Neck with Anti-skid Sleeve (American Type)



ITEM CODE		SIZE	
AL	BR	L(mm)	B(mm)
AL2000-1002	BE2000-1002	1410	230

WE THE CRAFTSMEN DO SAFETY FIRST

WE THE CRAFTSMEN DO SAFETY FIRST

NON-SPARKING-TOOLS

NON-SPARKING-TOOLS

Shovel, Square Long Bent Neck with D-handle (American Type)



Ex BAM

ITEM CODE		SIZE	
AL-RR	BE-CU	L(mm)	B(mm)
AL2001-1002	BE2001-1002	700	150

Shovel, Round Point (Bronze Hoop)



Ex BAM

ITEM CODE		SIZE	
AL-RR	BE-CU	L(mm)	B(mm)
AL2005-1002	BE2005-1002	1200	235

Shovel, Round Point Long Type (Anti-skid Sleeve)



Ex BAM

ITEM CODE		SIZE	
AL-RR	BE-CU	L(mm)	B(mm)
AL2009-1002	BE2009-1002	1220	180

Shovel, Square Long Bent Neck with Bronze Hoop (American Type)



Ex BAM

ITEM CODE		SIZE	
AL-RR	BE-CU	L(mm)	B(mm)
AL2002-1002	BE2002-1002	840	150

Shovel, Round Point (Anti-skid Sleeve)



Ex BAM

ITEM CODE		SIZE	
AL-RR	BE-CU	L(mm)	B(mm)
AL2006-1002	BE2006-1002	1220	235

Shovel, Round Point With locking Clip (Plastic D-handle)



Ex BAM

ITEM CODE		SIZE	
AL-RR	BE-CU	L(mm)	B(mm)
AL2010-1002	BE2010-1002	1030	220

Shovel, Square Long Bent Neck with Anti-skid Sleeve(American Type)



Ex BAM

ITEM CODE		SIZE	
AL-RR	BE-CU	L(mm)	B(mm)
AL2003-1002	BE2003-1002	860	150

Shovel, Round Point Long Type (Plastic D-handle)



Ex BAM

ITEM CODE		SIZE	
AL-RR	BE-CU	L(mm)	B(mm)
AL2007-1002	BE2007-1002	1030	180

Shovel, Round Point with Locking Clip (Bronze Hoop)



Ex BAM

ITEM CODE		SIZE	
AL-RR	BE-CU	L(mm)	B(mm)
AL2011-1002	BE2011-1002	1200	220

Shovel, Round Point (Plastic D-handle)



Ex BAM

ITEM CODE		SIZE	
AL-RR	BE-CU	L(mm)	B(mm)
AL2004-1002	BE2004-1002	1030	235

Shovel, Round Point Long Type (Bronze Hoop)



Ex BAM

ITEM CODE		SIZE	
AL-RR	BE-CU	L(mm)	B(mm)
AL2008-1002	BE2008-1002	1200	180

Shovel, Round Point with locking Clip (Anti-skid Sleeve)



Ex BAM

ITEM CODE		SIZE	
AL-RR	BE-CU	L(mm)	B(mm)
AL2012-1002	BE2012-1002	1220	220

Shovel, Round Point With Plastic D-handle (Japanese Type)



Ex BAM

ITEM CODE		SIZE	
AL-RR	BE-CU	L(mm)	B(mm)
AL2013-1002	BE2013-1002	780	170

Shovel, Round Point Long Bent Neck (Bronze Hoop)



Ex BAM

ITEM CODE		SIZE	
AL-RR	BE-CU	L(mm)	B(mm)
AL2017-1002	BE2017-1002	1200	210

Shovel, Round Point Long Bent Neck (Bronze Hoop)



Ex BAM

ITEM CODE		SIZE	
AL-RR	BE-CU	L(mm)	B(mm)
AL2021-1002	BE2021-1002	860	150

Shovel, Round Point with Bronze Hoop (Japanese Type)



Ex BAM

ITEM CODE		SIZE	
AL-RR	BE-CU	L(mm)	B(mm)
AL2014-1002	BE2014-1002	780	170

Shovel, Round Point Long Bent Neck (Anti-skid Sleeve)



Ex BAM

ITEM CODE		SIZE	
AL-RR	BE-CU	L(mm)	B(mm)
AL2018-1002	BE2018-1002	1220	210

Shovel, Round Point Long Bent Neck (Anti-skid Sleeve)



Ex BAM

ITEM CODE		SIZE	
AL-RR	BE-CU	L(mm)	B(mm)
AL2022-1002	BE2022-1002	860	150

Shovel, Round Point with Anti-skid Sleeve (Japanese Type)



Ex BAM

ITEM CODE		SIZE	
AL-RR	BE-CU	L(mm)	B(mm)
AL2015-1002	BE2015-1002	800	170

Shovel, Round Point Long Bent Neck (with Fiberglass Handle)



Ex BAM

ITEM CODE		SIZE	
AL-RR	BE-CU	L(mm)	B(mm)
AL2019-1002	BE2019-1002	1530	210

Shovel, Round Point Long Straight Neck (Plastic D-handle)



Ex BAM

ITEM CODE		SIZE	
AL-RR	BE-CU	L(mm)	B(mm)
AL2023-1002	BE2023-1002	740	150

Shovel, Round Point Long Bent Neck (Plastic D-handle)



Ex BAM

ITEM CODE		SIZE	
AL-RR	BE-CU	L(mm)	B(mm)
AL2016-1002	BE2016-1002	1030	210

Shovel, Round Point Long Bent Neck (Plastic D-handle)



Ex BAM

ITEM CODE		SIZE	
AL-RR	BE-CU	L(mm)	B(mm)
AL2020-1002	BE2020-1002	740	150

Shovel, Round Point Long Straight Neck (Bronze Hoop)



Ex BAM

ITEM CODE		SIZE	
AL-RR	BE-CU	L(mm)	B(mm)
AL2024-1002	BE2024-1002	860	150

WE THE CRAFTSMEN DO SAFETY FIRST

Shovel, Round Point Long Straight Neck(Anti-skid Sleeve)



ITEM CODE		SIZE	
AL- BR	BE- CU	L(mm)	B(mm)
AL2025-1002	BE2025-1002	880	150

Dust Pan with plastic D-handle



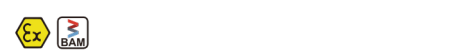
ITEM CODE		SIZE	
AL- BR	BE- CU	L(mm)	B(mm)
AL2029-1002	BE2029-1002	1030	245

Edging Spade with Bronze Hoop



ITEM CODE		SIZE	
AL- BR	BE- CU	L(mm)	B(mm)
AL2033-1002	BE2033-1002	1200	195

Dust Pan with Plastic D-handle



ITEM CODE		SIZE	
AL- BR	BE- CU	L(mm)	B(mm)
AL2026-1002	BE2026-1002	1030	280

Dust Pan with Bronze Hoop



ITEM CODE		SIZE	
AL- BR	BE- CU	L(mm)	B(mm)
AL2030-1002	BE2030-1002	1390	245

Edging Spade with Anti-skid Sleeve



ITEM CODE		SIZE	
AL- BR	BE- CU	L(mm)	B(mm)
AL2034-1002	BE2034-1002	1220	195

Dust Pan with Bronze Hoop



ITEM CODE		SIZE	
AL- BR	BE- CU	L(mm)	B(mm)
AL2027-1002	BE2027-1002	1390	280

Dust Pan with Anti-skid Sleeve



ITEM CODE		SIZE	
AL- BR	BE- CU	L(mm)	B(mm)
AL2031-1002	BE2031-1002	1410	245

Deep Edging Spade with Bronze Hoop



ITEM CODE		SIZE	
AL- BR	BE- CU	L(mm)	B(mm)
AL2036-1002	BE2036-1002	1200	180

Dust Pan with Anti-skid Sleeve



ITEM CODE		SIZE	
AL- BR	BE- CU	L(mm)	B(mm)
AL2028-1002	BE2028-1002	1410	280

Edging Spade with Plastic D-handle



ITEM CODE		SIZE	
AL- BR	BE- CU	L(mm)	B(mm)
AL2032-1002	BE2032-1002	970	195

Deep Edging Spade with Anti-skid Sleeve



ITEM CODE		SIZE	
AL- BR	BE- CU	L(mm)	B(mm)
AL2037-1002	BE2037-1002	1220	180

WE THE CRAFTSMEN DO SAFETY FIRST

Shovel, Military



ITEM CODE		SIZE	
AL- BR	BE- CU	L(mm)	B(mm)
AL2038-1002	BE2038-1002	630	170

Knife, Common



ITEM CODE		SIZE		N.W. (g)	
AL- BR	BE- CU	L(mm)	l1(mm)	AL- BR	BE- CU
AL202A-1002	BE202A-1002	90	203	110	95

Shovel, Military (Mini Type)



ITEM CODE		SIZE	
AL- BR	BE- CU	L(mm)	B(mm)
AL2039-1002	BE2039-1002	550	130

Knife, Common



ITEM CODE		SIZE		N.W. (g)	
AL- BR	BE- CU	L(mm)	l1(mm)	AL- BR	BE- CU
AL202B-1002	BE202B-1002	80	193	105	90
1002	AL202B-1004	137	250	125	105

Shovel, Military (Multi-function)



ITEM CODE		SIZE	
AL- BR	BE- CU	L(mm)	B(mm)
AL2040-1002	BE2040-1002	580	150

Knife, Putty



ITEM CODE		SIZE		N.W. (g)	
AL- BR	BE- CU	K(mm)	L(mm)	AL- BR	BE- CU
AL203A-1002	BE203A-1004	25	203	95	85
1002	AL203A-1004	40	203	105	90
BE203A-1004	AL203A-1004	50	203	110	95
1006	BE203A-1006	65	203	120	100

Knife, Putty



ITEM CODE		SIZE		N.W. (g)	
AL- BR	BE- CU	K(mm)	L(mm)	AL- BR	BE- CU
AL203B-1002	BE203B-1002	75	203	130	110
1002	AL203B-1004	100	203	150	125
BE203B-1004	AL203B-1004	150	203	310	280

Spatula



ITEM CODE		SIZE (mm)		N.W. (g)	
AL- BR	BE- CU	K	L	AL- BR	BE- CU
AL204A-1002	BE204A-1002	30	90	203	80
1002	AL204A-1004	50	105	218	110
BE204A-1004	AL204A-1004	145	160		

Electrician Knife



ITEM CODE		SIZE		N.W. (g)	
AL- BR	BE- CU	L(mm)	l1(mm)	AL- BR	BE- CU
AL204B-1002	BE204B-1002	195	60	185	210

Spatula



ITEM CODE		SIZE (mm)		N.W. (g)	
AL- BR	BE- CU	K	L	AL- BR	BE- CU
AL204D-1002	BE204D-1002	350	230	110	120

WE THE CRAFTSMEN DO SAFETY FIRST

WE THE CRAFTSMEN DO SAFETY FIRST

NON-SPARKING-TOOLS

NON-SPARKING-TOOLS

Knife

Ex BAM

ITEM CODE	SIZE			N.W. (g)
	L (mm)	L1 (mm)	AL-BR BE-CU	
AL204F-1002 BE204F-1002110	216	120	180	

Scraper

Ex BAM

ITEM CODE	SIZE (mm)			N.W. (g)
	L	B	H	
AL205A-1002 BE205A-100250	202	50	2	625/683

Scraper, Deck

Ex BAM

ITEM CODE	SIZE			N.W. (g)
	L (mm)	B (mm)	AL-BR BE-CU	
AL208-1002 BE208-1002270	270	40		338/371

Knife

Ex BAM

ITEM CODE	SIZE			N.W. (g)
	L (mm)	L1 (mm)	AL-BR BE-CU	
BE204G-1002	75	180		90

Scraper, Flat

Ex BAM

ITEM CODE	SIZE (mm)			N.W. (g)
	L	B	H	
AL206-1002 BE206-1002200	302	30	325	300/330
AL206-1004 BE206-1004300	303	30	430	440/480
AL206-1006 BE206-1006350	350	35	490	580/640
AL206-1008 BE206-1008350	50	490	910	1020
AL206-1010 BE206-1010400	60	560	1330	1520

Scraper, Deck

Ex BAM

ITEM CODE	SIZE			N.W. (g)
	L (mm)	B (mm)	AL-BR BE-CU	
AL209-1002 BE209-1002300	300	48		391/432

Knife, Wire Stripping and Scraping

Ex BAM

ITEM CODE	SIZE			N.W. (g)
	L (mm)	L1 (mm)	AL-BR BE-CU	
AL204H-1002 BE204H-100220	230	110	120	

Scraper, Deck

Ex BAM

ITEM CODE	SIZE			N.W. (g)
	L (mm)	B (mm)	AL-BR BE-CU	
AL210-1002 BE210-1002380	380	38		720/821

Scraper, Deck

Ex BAM

ITEM CODE	SIZE			N.W. (g)
	L (mm)	B (mm)	AL-BR BE-CU	
AL210-1002 BE210-1002380	380	38		720/821

Scraper

Ex BAM

ITEM CODE	SIZE (mm)			N.W. (g)
	L	B	H	
AL205-1002 BE205-1002902	50	2		625/683

Scraper

Ex BAM

ITEM CODE	SIZE			N.W. (g)
	L (inch)	B (inch)	AL-BR BE-CU	
AL207A-1002 BE207A-100212	2			425/460

Scraper, Spray Booth

Ex BAM

ITEM CODE	SIZE			N.W. (g)
	L (mm)	B (mm)	AL-BR BE-CU	
AL211-1002 BE211-1002235	235	76		358/392

Scraper

Ex BAM

ITEM CODE	SIZE (mm)			N.W. (g)
	L	B	L1	
AL212-1002 BE212-1002	690	50	90	520/550/705/75/100
1002 AL212-1004	700	750	720	100/115/800/850
BE212-1004 AL212-1006	765	150	150	1300/1400

Opener Carbide Drum

Ex BAM

ITEM CODE	SIZE			N.W. (g)
	L (mm)	B (mm)	AL-BR BE-CU	
AL214-1002 BE214-1002280	280	53		358/392

Plane Blade

Ex BAM

ITEM CODE	SIZE			N.W. (g)
	L (mm)	B (mm)	AL-BR BE-CU	
AL216-1002 BE216-1002175	175	43		120/180

Scraper, Rust

Ex BAM

ITEM CODE	SIZE (mm)			N.W. (g)
	L	B	L1	
AL212B-1002 BE212B-1002	600	75	75	620/700

Scraper, Tile Cleaver

Ex BAM

ITEM CODE	SIZE (mm)			N.W. (g)
	L	B	L1	
AL215-1002 BE215-1002	180	55	350	550/610

File, Flat

Ex BAM

ITEM CODE	SIZE (mm)			N.W. (g)	
	L (inch)	B	H		
BE217-1002	6	150	16	4	75
BE217-1004	8	200	21	4.5	160
BE217-1006	10	250	25	6	282
BE217-1008	12	300	30	6.5	455
BE217-1010	14	350	32	8	675
BE217-1012	16	400	32	9.5	925

Scraper, Arched

Ex BAM

ITEM CODE	SIZE (mm)			N.W. (g)
	L	B	L1	
AL213-1002 BE213-1002	690	50	120	600/650
1004 BE213-1004	710	100	120	830/925
1006 BE213-1006	720	150	120	980/1080

Trowel Bricklay

Ex BAM

ITEM CODE	SIZE (mm)			N.W. (g)
	L	B	L1	
AL215A-1002 BE215A-1002	35	130	215	620/700

File, Half Round

Ex BAM

ITEM CODE	SIZE (mm)			N.W. (g)	
	L (inch)	B	H		
BE218-1002	6	150	22	6	105
BE218-1004	8	200	23	7	190
BE218-1006	10	250	26	8	255
BE218-1008	12	300	28	9	375
BE218-1010	14	350	30	10	565

Scraper, Floor

Ex BAM

ITEM CODE	SIZE (mm)			N.W. (g)
	L	B	L1	
AL213A-1002 BE213A-1002	450	150	170	1000/1150

Trapezia Shovel Bricklay

Ex BAM

ITEM CODE	SIZE (mm)			N.W. (g)
	L	B	L1	
AL215B-1002 BE215B-1002	80	160	390	420

File, Round

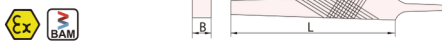
Ex BAM

ITEM CODE	SIZE (mm)			N.W. (g)
	L (inch)	B	H	
BE219-1002	6	150	6.5	45
BE219-1004	8	200	7.5	91
BE219-1006	10	250	8.5	122
BE219-1008	12	300	9.5	180
BE219-1010	14	350	10.5	250

NON-SPARKING-TOOLS

NON-SPARKING-TOOLS

File, Square



ITEM CODE	SIZE(mm)			N.W. (g)
	L (inch)	B	R	
BE220-1002	8	200	8	130
BE220-1004	10	250	10	155
BE220-1006	12	300	11	202
BE220-1008	14	350	12	303

File, Triangle



ITEM CODE	SIZE(mm)			N.W. (g)
	L (inch)	B	R	
BE221-1002	8	200	12	115
BE221-1004	10	250	13	125
BE221-1006	12	300	14	160
BE221-1008	14	350	14	205

File Set-5pcs



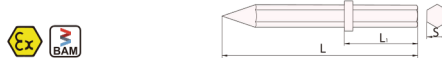
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BE221A ○	180	5
BE221A □	180	5
BE221A △	180	5
BE221A □	180	5
BE221A □	180	5

Punch, Machinists'



ITEM CODE	SIZE	N.W. (g)
AL222-1002/BE222-1002	150	155
AL222-1004/BE222-1004	200	355
AL222-1006/BE222-1006	250	555
AL222-1008/BE222-1008	300	660

Chisel, Pneumatic Bull Point



ITEM CODE	SIZE(mm)	N.W. (g)
AL223-1002/BE223-1002	228	500
AL223-1004/BE223-1004	288	610
AL223-1006/BE223-1006	338	720
AL223-1008/BE223-1008	388	830

Punch Machinists'



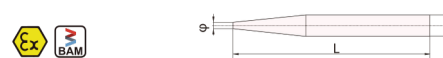
ITEM CODE	SIZE	N.W. (g)
AL223A-1002/BE223A-1002	150	215
AL223A-1004/BE223A-1004	150	285
AL223A-1006/BE223A-1006	150	345

Drift Cylindrical



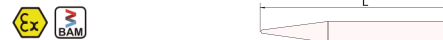
ITEM CODE	SIZE(mm)	N.W. (g)
AL223B-1002/BE223B-1002	110	115
AL223B-1004/BE223B-1004	150	195
AL223B-1006/BE223B-1006	205	285
AL223B-1008/BE223B-1008	280	410
AL223B-1010/BE223B-1010	380	560
AL223B-1012/BE223B-1012	480	720
AL223B-1014/BE223B-1014	580	880
AL223B-1016/BE223B-1016	680	1040
AL223B-1018/BE223B-1018	780	1200
AL223B-1020/BE223B-1020	880	1360

Punch



ITEM CODE	SIZE(mm)	N.W. (g)
AL223C-1002/BE223C-1002	11	105
AL223C-1004/BE223C-1004	12	130
AL223C-1006/BE223C-1006	13	150
AL223C-1008/BE223C-1008	14	170
AL223C-1010/BE223C-1010	16	230
AL223C-1012/BE223C-1012	18	300
AL223C-1014/BE223C-1014	20	370

Punch, Machinists'



ITEM CODE	SIZE	N.W. (g)
AL223D-1002/BE223D-1002	160	265
AL223D-1004/BE223D-1004	250	470
AL223D-1006/BE223D-1006	300	635
AL223D-1008/BE223D-1008	300	725
AL223D-1010/BE223D-1010	400	885
AL223D-1012/BE223D-1012	400	1000

Punch, Center



ITEM CODE	SIZE	N.W. (g)
AL223F-1002/BE223F-1002	12	80

Scraper, Triangular



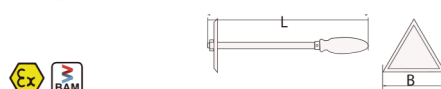
ITEM CODE	SIZE(mm)	N.W. (g)
AL224-1002/BE224-1002	160	225
AL224-1004/BE224-1004	300	425

Drift pin, Barrel Straight



ITEM CODE	SIZE(mm)	N.W. (g)
AL223E-1002/BE223E-1002	8	118
AL223E-1004/BE223E-1004	10	150
AL223E-1006/BE223E-1006	12	190
AL223E-1008/BE223E-1008	15	200
AL223E-1010/BE223E-1010	16	200
AL223E-1012/BE223E-1012	18	250
AL223E-1014/BE223E-1014	19	250
AL223E-1016/BE223E-1016	21	250
AL223E-1018/BE223E-1018	22	250
AL223E-1020/BE223E-1020	24	250
AL223E-1022/BE223E-1022	26	300
AL223E-1024/BE223E-1024	27	300

Scraper, Plate



ITEM CODE	SIZE	N.W. (g)
AL224A-1002/BE224A-1002	150	810

Scraper, Halfmoon



ITEM CODE	SIZE	N.W. (g)
AL224B-1002/BE224B-1002	100	235

Scraper, Triangular



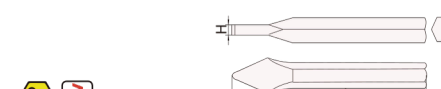
ITEM CODE	SIZE(mm)	N.W. (g)
AL224C-1002/BE224C-1002	300	420

Scraper, Half Round



ITEM CODE	SIZE(mm)	N.W. (g)
AL224D-1002/BE224D-1002	300	420

Chisel, Cross



ITEM CODE	SIZE(mm)	N.W. (g)
AL225-1002/BE225-1002	20	475

Chisel, Cross Cutting



ITEM CODE	SIZE(mm)	N.W. (g)
AL225A-1002/BE225A-1002	4	280
AL225A-1004/BE225A-1004	7	480
AL225A-1004/BE225A-1004	8	840

1006 BE225A-1006

Scraper Pick And Scaler



ITEM CODE	SIZE	N.W. (g)
AL225B-1002/BE225B-1002	450	1285

Chisel, Flat



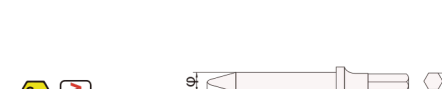
ITEM CODE	SIZE	N.W. (g)
AL225C-1002/BE225C-1002	150	255
AL225C-1004/BE225C-1004	200	325
AL225C-1004/BE225C-1004	250	525
AL225C-1006/BE225C-1006	300	740
AL225C-1008/BE225C-1008	400	1155

Chisel, Flat (with Sheath)



ITEM CODE	SIZE	N.W. (g)
AL225D-1002/BE225D-1002	150	305
AL225D-1004/BE225D-1004	250	375
AL225D-1004/BE225D-1004	300	575
AL225D-1006/BE225D-1006	400	790
AL225D-1008/BE225D-1008	400	1205

Chisel, Pneumatic



ITEM CODE	SIZE(mm)	N.W. (g)
AL226-1002/BE226-1002	125	117
AL226-1004/BE226-1004	175	168

NON-SPARKING-TOOLS

NON-SPARKING-TOOLS

Chisel, Pneumatic



ITEM CODE	SIZE (mm)		N.W. (g)
	L	Φ	
AL226A-1002	300	20	775 850
1002	455	30	2630 2880

Chisel, Pneumatic



ITEM CODE	SIZE (mm)		N.W. (g)
	L	Φ	
AL227-1002	125	20	141 160
1004	175	20	182 210

Chisel, Pneumatic



ITEM CODE	SIZE (mm)		N.W. (g)
	L	Φ	
AL228-1002	125	20	117 152
1002	175	20	122 190

Chisel, Pneumatic



ITEM CODE	SIZE (mm)		N.W. (g)
	L	Φ	
AL229-1002	125	20	141 162
1004	175	20	183 213

Chisel, Pneumatic



ITEM CODE	SIZE (mm)		N.W. (g)
	L	Φ	
AL230-1002	125	20	112 127
1004	175	20	153 178

Chisel, Flat



ITEM CODE	SIZE (mm)		N.W. (g)
	L	Φ	
AL231-1002	160	14	160 175
1004	160	16	210 231

Chisel, Flat (with Sheath)



ITEM CODE	SIZE (mm)		N.W. (g)
	L	Φ	
AL231A-1002	160	14	160 166
1002	281	16	321 345

Chisel Hex/6 Point



ITEM CODE	SIZE (mm)		N.W. (g)
	L	Φ	
AL232-1002	150	12	92 98
1002	200	16	231 251

Chisel Hex / 6 Point (with Sheath)



ITEM CODE	SIZE (mm)		N.W. (g)
	L	Φ	
AL232A-1002	150	12	142 148
1002	281	16	301 312

Chisel 8 Point



ITEM CODE	SIZE (mm)		N.W. (g)
	L	Φ	
AL233-1002	160	14	170 186
1002	281	16	301 312

Chisel, Diamond Point



ITEM CODE	SIZE (mm)		N.W. (g)
	L	Φ	
AL233A-1002	200	20	525 580

Chisel, 8 Point (with Sheath)



ITEM CODE	SIZE (mm)		N.W. (g)
	L	Φ	
AL233B-1002	160	14	220 236
1002	281	16	301 312

Caulking Tool



ITEM CODE	SIZE (mm)		N.W. (g)
	L	Φ	
AL234-1002	200	5	455 495
1002	250	8	585 652

Caulking Tool



ITEM CODE	SIZE (mm)		N.W. (g)
	L	Φ	
AL234A-1002	200	5	1200 1685
1002	250	8	1845 2170

Wedge, Flange



ITEM CODE	SIZE (mm)		N.W. (g)
	L	Φ	
AL235-1002	80	13	23 25
1004	100	13	185 201

Punch, Center



ITEM CODE	SIZE (mm)		N.W. (g)
	L	Φ	
AL235-1001	100	10	110
1003	200	10	220

Punch, Center



ITEM CODE	SIZE (mm)		N.W. (g)
	L	Φ	
AL236-1002	100	16	125 145
1004	150	16	205 230

Bar



ITEM CODE	SIZE (mm)		N.W. (g)
	L	Φ	
AL237-1002	500	15	675 738
1004	1000	15	1050 1150

Bar, Pinch



ITEM CODE	SIZE (mm)		N.W. (g)
	L	Φ	
AL237A-1002	500	15	615 672
1002	1000	15	1001 1093

Bar Crow



ITEM CODE	SIZE (mm)		N.W. (g)
	L	Φ	
AL237C-1002	650	20	1675 1855
1004	1500	30	8110 8910

NON-SPARKING-TOOLS

NON-SPARKING-TOOLS

Bar (Hex) Pinch



ITEM CODE	SIZE(mm)			N.W. (g)	
	AL-BR	BE-CU		AL-BR	BE-CU
AL237B-1002	BE237B-1002	500	18 20	1090	1200
1002	AL237B-1004	500	20 22	1320	1450
BE237B-1004	AL237B-1006	600	20 22	1600	1750
1006	BE237B-1006	1000	22 24	3200	3500
AL237B-1008	BE237B-1008	1000	25 28	4080	4500
1008	AL237B-1010	1500	25 28 1000	6120	6750
BE237B-1010	AL237B-1010	35 38		8000	8800

Bar, Pinch



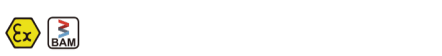
ITEM CODE	SIZE(mm)			N.W. (g)	
	AL-BR	BE-CU		AL-BR	BE-CU
AL237D-1001	BE237D-1001	600	52	2221	2435

Spike



ITEM CODE	SIZE			N.W. (g)	
	AL-BR	BE-CU		AL-BR	BE-CU
AL237E-1002	BE237E-1002	600	22	2100	2320

Tire Pry Bar



ITEM CODE	SIZE			N.W. (g)	
	AL-BR	BE-CU		AL-BR	BE-CU
AL237F-1002	BE237F-1002	200	22	220	255
1002	AL237F-1004	300	22	350	400
BE237F-1004	AL237F-1006	600	25	1000	1150
1006	BE237F-1006	800	26	1500	1750

AL237F-1008 BE237F-1008

1008

Hearing Needle



ITEM CODE	SIZE			N.W. (g)	
	AL-BR	BE-CU		AL-BR	BE-CU
AL238-1002	BE238-1002	250	6 75	85	
AL238-1004	BE238-1004	300	8	135	150
AL238-1006	BE238-1006	400	7	145	160
AL238-1008	BE238-1008	500	10	305	385

Hearing Needle With Ball



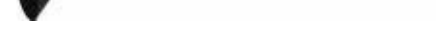
ITEM CODE	SIZE			N.W. (g)	
	AL-BR	BE-CU		AL-BR	BE-CU
AL238A-1002	BE238A-1002	2500	6	2100	2320

Needle



ITEM CODE	SIZE			N.W. (g)	
	AL-BR	BE-CU		AL-BR	BE-CU
BE238B-1002		180	3		12

Hearing Needle



ITEM CODE	SIZE			N.W. (g)	
	AL-BR	BE-CU		AL-BR	BE-CU
AL238C-1002	BE238C-1002	400-1000		300	330

Mine Prodder



ITEM CODE	SIZE			N.W. (g)	
	AL-BR	BE-CU		AL-BR	BE-CU
AL238D-1002	BE238D-1002	1005-1005	5	360	400

Bar, Wrecking



ITEM CODE	SIZE			N.W. (g)	
	AL-BR	BE-CU		AL-BR	BE-CU
AL239-1002	BE239-1002	250	13 15 15	250	280

Bar, Wrecking



ITEM CODE	SIZE			N.W. (g)	
	AL-BR	BE-CU		AL-BR	BE-CU
AL240-1002	BE240-1002	400	16	685	752
AL240-1004	BE240-1004	600	16	1002	1102
AL240-1006	BE240-1006	800	19	2011	2200
AL240-1008	BE240-1008	1200	20	3266	3570

Bar, Wrecking Hex



ITEM CODE	SIZE			N.W. (g)	
	AL-BR	BE-CU		AL-BR	BE-CU
AL240A-1002	BE240A-1002	460	16	980	1080
1002	AL240A-1004	760	22	2800	3100
BE240A-1004	AL240A-1006	920	22	3300	3650

1006 BE240A-1006

Crate Opener



ITEM CODE	SIZE			N.W. (g)	
	AL-BR	BE-CU		AL-BR	BE-CU
AL241-1002	BE241-1002	230	70	430	471

Shears, Cutting



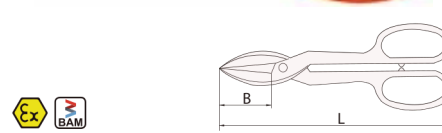
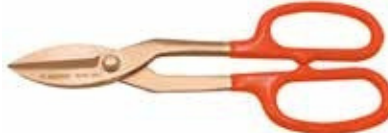
ITEM CODE	SIZE			N.W. (g)	
	AL-BR	BE-CU		AL-BR	BE-CU
AL242-1002	BE242-1002	150		100	110
1002	AL242-1004	200		125	135

Shears, Cutting



ITEM CODE	SIZE			N.W. (g)	
	AL-BR	BE-CU		AL-BR	BE-CU
AL243-1002	BE243-1002	270	91	215	235
AL243-1004	BE243-1004	360	107	823	900

Shears, Tin



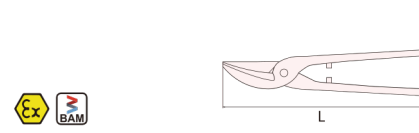
ITEM CODE	SIZE			N.W. (g)	
	AL-BR	BE-CU		AL-BR	BE-CU
AL244-1002	BE244-1002	300	75	410	488

Scissors



ITEM CODE	SIZE			N.W. (g)	
	AL-BR	BE-CU		AL-BR	BE-CU
AL244A-1002	BE244A-1002	225	98	210	245

Tinne Snip Plate Shear



ITEM CODE	SIZE			N.W. (g)	
	AL-BR	BE-CU		AL-BR	BE-CU
AL244B-1002	BE244B-1002	280		450	500

Shears



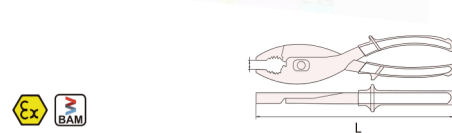
ITEM CODE	SIZE			N.W. (g)	
	AL-BR	BE-CU		AL-BR	BE-CU
AL244C-1002	BE244C-1002	200		410	488

Mini Scissors



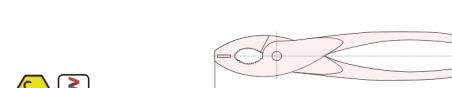
ITEM CODE	SIZE			N.W. (g)	
	AL-BR	BE-CU		AL-BR	BE-CU
AL244D-1002	BE244D-1002	195		105	115

Pliers, Adjustable Combination



ITEM CODE	SIZE				N.W. (g)	
	AL-BR	BE-CU	K(mm)	l(mm)	AL-BR	BE-CU
AL245-1002	BE245-1002	8	150		165	175
1002	AL245-1004	13	200		330	355

Gas Pliers



ITEM CODE	SIZE			N.W. (g)	
	AL-BR	BE-CU		AL-BR	BE-CU
AL245A-1002	BE245A-1002	200		315	350



NON-SPARKING-TOOLS

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NON-SPARKING-TOOLS

NON-SPARKING-TOOLS

Pliers, Adjustable Combination (Germany Type)



ITEM CODE		SIZE		N.W. (g)	
AL-PP	BE-CU	Size (inch) L (mm)		AL-PP	BE-CU
AL245B-1002	BE245B-1002	6 8	150	165	190
1002	AL245B-1004		200	270	310

Pliers, Lineman



ITEM CODE		SIZE		N.W. (g)	
AL-PP	BE-CU	Size (inch) L (mm)		AL-PP	BE-CU
AL246-1002	BE246-1002	6	150	230	250
AL246-1004	BE246-1004	7	175	330	355
AL246-1006	BE246-1006	8	200	375	410
AL246-1008	BE246-1008	10	250	500	550

Pliers, Lineman, German Type



ITEM CODE		SIZE		N.W. (g)	
AL-PP	BE-CU	Size (inch) L (mm)		AL-PP	BE-CU
AL247B-1002	BE247B-1002	200		325	325

Germany Bent Pliers, Lineman



ITEM CODE		SIZE		N.W. (g)	
AL-PP	BE-CU	Size (inch) L (mm)		AL-PP	BE-CU
AL247C-1002	BE247C-1002	190		295	325

Pliers, Diagonal Cutting (American Type)



ITEM CODE		SIZE		N.W. (g)	
AL-PP	BE-CU	Size (inch) L (mm)		AL-PP	BE-CU
AL248-1002	BE248-1002	6	150	220	200
AL248-1004	BE248-1004	8	365	410	

Mini Pliers, Diagonal Cutting



ITEM CODE		SIZE		N.W. (g)	
AL-PP	BE-CU	Size (inch) L (mm)		AL-PP	BE-CU
AL248B-1002	BE248B-1002	5	125	50	60

Pliers, Diagonal Cutting (American Type)



ITEM CODE		SIZE		N.W. (g)	
AL-PP	BE-CU	Size (inch) L (mm)		AL-PP	BE-CU
AL248C-1002	BE248C-1002	6 8	150	185	215
AL248C-1004	BE248C-1004		330	385	

Pincers



ITEM CODE		SIZE		N.W. (g)	
AL-PP	BE-CU	Size (inch) L (mm)		AL-PP	BE-CU
AL249-1002	BE249-1002	8	200	300	332

Pincers



ITEM CODE		SIZE		N.W. (g)	
AL-PP	BE-CU	Size (inch) L (mm)		AL-PP	BE-CU
AL249A-1002	BE249A-1002	7	175	225	322

Pincers



ITEM CODE		SIZE		N.W. (g)	
AL-PP	BE-CU	Size (inch) L (mm)		AL-PP	BE-CU
AL249B-1002	BE249B-1002	6	150	175	312

Pliers, Flat Nose



ITEM CODE		SIZE		N.W. (g)	
AL-PP	BE-CU	Size (inch) L (mm)		AL-PP	BE-CU
AL250-1002	BE250-1002	6	150	185	200
AL250-1004	BE250-1004	8	257	281	

Pliers, Snipe Nose



ITEM CODE		SIZE		N.W. (g)	
AL-PP	BE-CU	Size (inch) L (mm)		AL-PP	BE-CU
AL254-1002	BE254-1002	6	150	170	190
AL254-1004	BE254-1004	8	300	385	

Pliers, Snipe Nose, German Type



ITEM CODE		SIZE		N.W. (g)	
AL-PP	BE-CU	Size (inch) L (mm)		AL-PP	BE-CU
AL254A-1002	BE254A-1002	200		290	322

Bent Pliers, Snipe Nose, German Type



ITEM CODE		SIZE		N.W. (g)	
AL-PP	BE-CU	Size (inch) L (mm)		AL-PP	BE-CU
AL254B-1002	BE254B-1002	200		295	322

Pliers, Round Nose



ITEM CODE		SIZE		N.W. (g)	
AL-PP	BE-CU	Size (inch) L (mm)		AL-PP	BE-CU
AL255-1002	BE255-1002	6	150	175	190

Pliers, Water Pump



ITEM CODE		SIZE		N.W. (g)	
AL-PP	BE-CU	Size (inch) L (mm)		AL-PP	BE-CU
AL255A-1002	BE255A-1002	6	150	170	190

Pliers, Groove Joint



ITEM CODE		SIZE		N.W. (g)	
AL-PP	BE-CU	Size (inch) L (mm)		AL-PP	BE-CU
AL251-1002	BE251-1002	6	150	25	160
AL251-1004	BE251-1004	10	250	45	370
AL251-1006	BE251-1006	12	300	55	600
AL251-1008	BE251-1008	14	350	55	770

Pliers, Slip Joint



ITEM CODE		SIZE		N.W. (g)	
AL-PP	BE-CU	Size (inch) L (mm)		AL-PP	BE-CU
AL252-1002	BE252-1002	10	250	32	335

Bolt Chipper



ITEM CODE		SIZE		N.W. (g)	
AL-PP	BE-CU	Size (inch) L (mm)		AL-PP	BE-CU
AL252A-1002	BE252A-1002	10	250	32	310
1002	AL252A-1004	12	300	52	610

Pliers, Slip Joint



ITEM CODE		SIZE		N.W. (g)	
AL-PP	BE-CU	L (mm)	K (mm)	AL-PP	BE-CU
AL252B-1002	BE252B-1002	165	25	220	250
1002	AL252B-1004	250	35	435	500
BE252B-1004	AL252B-1004	300	38	700	780

Pliers, Snap Ring-Internal



ITEM CODE		SIZE		N.W. (g)	
AL-PP	BE-CU	L (inch)	L (mm)	AL-PP	BE-CU
AL256-1002	BE256-1002	8	200	265	290
AL256-1004	BE256-1004	10	250	380	415

Pliers, Snap Ring-External



ITEM CODE		SIZE		N.W. (g)	
AL-PP	BE-CU	L (inch)	L (mm)	AL-PP	BE-CU
AL257-1002	BE257-1002	8	200	265	290
AL257-1004	BE257-1004	10	250	380	415

Bolt Chipper



ITEM CODE		SIZE		N.W. (g)	
AL-PP	BE-CU	L (mm)	D (mm)	AL-PP	BE-CU
AL257A-1002	BE257A-1002	600	6 8	3070	3350
1002	AL257A-1004	900		8400	9250

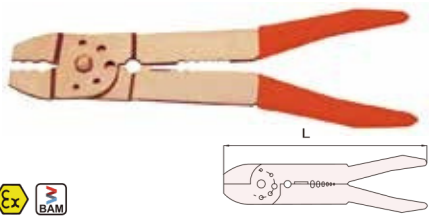
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WE THE CRAFTSMEN DO SAFETY FIRST

NON-SPARKING-TOOLS

NON-SPARKING-TOOLS

Crimping Tool, Insulated Cable Connectors



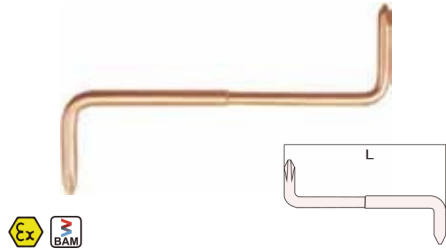
ITEM CODE	SIZE	N.W. (g)
AL-RR	BE-CU	AL-RR/BE-CU
AL257B-1002	BE257B-1002	8 200 205 225

Stocker Plier



ITEM CODE	SIZE	N.W. (g)
AL-RR	BE-CU	AL-RR/BE-CU
AL257F-1002	BE257F-1002	7 180 200 220

Phillips Offset Screwdriver



ITEM CODE	SIZE	N.W. (g)
AL-RR	BE-CU	AL-RR/BE-CU
AL259A-1002	BE259A-1002	120 1#*2# 45 50

Wire Stripping Pliers



ITEM CODE	SIZE	N.W. (g)
AL-RR	BE-CU	AL-RR/BE-CU
AL257C-1002	BE257C-1002	170 205 225

Tweezers, Neat Tips



ITEM CODE	SIZE	N.W. (g)
AL-RR	BE-CU	AL-RR/BE-CU
AL258-1002	BE258-1002	150 30 25
AL258-1004	BE258-1004	200 50 40

Slotted Screwdriver



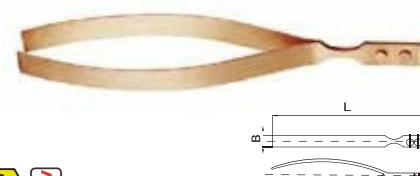
ITEM CODE	SIZE (mm)	N.W. (g)
AL-RR	BE-CU	AL-RR/BE-CU
AL260-1002	BE260-1002	50 134 3 33 AL260-
1004	BE260-1004	50 134 4.5 40 AL260-1006
BE260-1006	75 159 3 32 AL260-1008	BE260-
1008	75 159 4 42 AL260-1010	BE260-1010 75
1080	5 65 AL260-1012	BE260-1012 100 184 4 42
AL260-1014	BE260-1014	100 205 5 70 AL260-
1016	BE260-1016	100 215 6 80 AL260-1018
BE260-1018	125 240 6 95	
100		
AL260-1020	BE260-1020	150 265 6 105 110
AL260-1022	BE260-1022	150 265 7 120 125
AL260-1024	BE260-1024	150 277 8 135 140
AL260-1026	BE260-1026	200 327 8 155 165 AL260-
1028	BE260-1028	250 377 9 175 185 AL260-1030
BE260-1030	250 377 11	245 260 AL260-1032
BE260-1032	300 427 10	230 245
AL260-1034	BE260-1034	300 427 11 275 290
AL260-1036	BE260-1036	350 477 11 300 320 AL260-
1038	BE260-1038	400 550 12 430 450 AL260-1040
BE260-1040	450 600 13	450 485

Locking Pliers



ITEM CODE	SIZE (mm)	N.W. (g)
AL-RR	BE-CU	AL-RR/BE-CU
AL257D-1002	BE257D-1002	10 225 40 455 480

Tweezers, Flat Nose



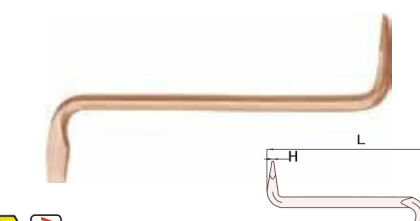
ITEM CODE	SIZE	N.W. (g)
AL-RR	BE-CU	AL-RR/BE-CU
AL258A-1002	BE258A-1002	100 8 30 25
AL258A-1004	BE258A-1004	200 15 65 55

Wire Stripper



ITEM CODE	SIZE	N.W. (g)
AL-RR	BE-CU	AL-RR/BE-CU
AL257E-1002	BE257E-1002	6 160 125 110

Slotted Offset Screwdriver



ITEM CODE	SIZE (mm)	N.W. (g)
AL-RR	BE-CU	AL-RR/BE-CU
AL259-1002	BE259-1002	72 1.1 6 23 25
AL259-1004	BE259-1004	125 1.2 8 50 55
AL259-1006	BE259-1006	196 1.6 10 124 185

Stubby Slotted Screwdriver



ITEM CODE	SIZE (mm)	N.W. (g)
AL-RR	BE-CU	AL-RR/BE-CU
AL260A-1002	BE260A-	3 36 83 36 40 45
1002	AL260A-1004	4 83 36 83 43 50
BE260A-1004	AL260A-	5 36 83 45 50
1006	BE260A-1006	6 50 55

Phillips Screwdriver



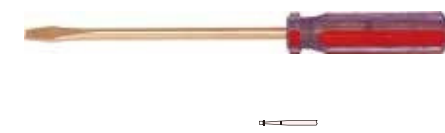
ITEM CODE	SIZE	N.W. (g)
AL-RR	BE-CU	AL-RR/BE-CU
AL261-1002	BE261-1002	50 134 0# 32 AL261-
1004	BE261-1004	75 159 1# 63 AL261-1006
BE261-1006	100 205 1# 70 AL261-1008	BE261-
1008	125 240 2# 95	
AL261-1010	BE261-1010	150 265 2# 105 110
AL261-1012	BE261-1012	200 327 3# 155 165
AL261-1014	BE261-1014	250 377 3# 170 185
AL261-1016	BE261-1016	300 427 4# 230 245
AL261-1018	BE261-1018	350 477 4# 255 270
AL261-1020	BE261-1020	400 550 4# 280 295 AL261-
1022	BE261-1022	450 600 4# 300 320

Stubby Phillips Screwdriver



ITEM CODE	SIZE (mm)	N.W. (g)
AL-RR	BE-CU	AL-RR/BE-CU
AL261A-1002	BE261A-	0# 36 83 36 40 45
1002	AL261A-1004	1# 83 36 83 45 50
BE261A-1004	AL261A-	2# 50 55

Slotted Screwdriver



ITEM CODE	SIZE (mm)	N.W. (g)
AL-RR	BE-CU	AL-RR/BE-CU
AL263-1002	BE263-	50 108 3 32 35
1002	AL263-1004	75 133 3 44 48
BE263-1004	AL263-	75 153 4 45 50
1006	BE263-1006	75 153 5 46 51
AL263-1008	BE263-	100 178 4 55 60
1008	AL263-1010	100 178 5 65 71
BE263-1010	AL263-	100 193 6 70 77
1012	BE263-1012	150 243 7 105 115
AL263-1014	BE263-	200 305 8 180 197
1014	AL263-1016	250 355 9 202 221
BE263-1016	AL263-	300 420 10 278 304
1018	BE263-1018	350 470 11 335 365

Screwdriver



ITEM CODE	SIZE (mm)	N.W. (g)
AL-RR	BE-CU	AL-RR/BE-CU
AL262-1002	BE262-	250 110 8 125 135
1002	AL262-1004	300 160 10 204 220
BE262-1004	AL262-	500 350 11 275 305
1006	BE262-1006	461 505

Electrician Screwdriver



ITEM CODE	SIZE (mm)	N.W. (g)
AL-RR	BE-CU	AL-RR/BE-CU
AL263A-1002	BE263A-	50 134 3 35 37
1002	AL263A-1004	100 184 4 45 47
BE263A-1004	AL263A-	100 215 6 90 95
1006	BE263A-1006	150 277 8 135 145
AL263A-1008	BE263A-	200 327 10 210 280
1008	AL263A-1010	
BE263A-1010		

Driver Hex Nut



ITEM CODE	SIZE (mm)	N.W. (g)
AL-RR	BE-CU	AL-RR/BE-CU
AL263B-1002	BE263B-	90 205 6 85
1002	AL263B-1004	100 215 8 85
BE263B-1004	AL263B-	110 225 10 130 140
1006	BE263B-1006	110 237 13 172 185
AL263B-1008	BE263B-	120 247 16 205 220
1008	AL263B-1010	120 247 17 218 280

Pozidriv Screwdriver



ITEM CODE	SIZE	N.W. (g)
AL-RR	BE-CU	AL-RR/BE-CU
AL264-1002	BE264-	0# 50 134 33 159 35
1002	AL264-1004	1# 75 42 215 80 45
BE264-1004	AL264-	2# 100 3# 85
1006	BE264-1006	150 4# 277 135 145 327
AL264-1008	BE264-	200 210 230
1008	AL264-1010	

Torx Screwdriver



ITEM CODE	SIZE (mm)	N.W. (g)
AL-RR	BE-CU	AL-RR/BE-CU
AL264A-1002	BE264A-1002	T10 75 75 180 63
AL264A-1004	BE264A-1004	T15 75 75 180 63
AL264A-1006	BE264A-1006	T20 100 100 215 95
AL264A-1008	BE264A-1008	T25 125 125 240 100 105
AL264A-1010	BE264A-1010	T30 150 150 265 100 110
AL264A-1012	BE264A-1012	T40 200 200 327 155 165
AL264A-1014	BE264A-1014	T45 250 250 377 175 185
AL264A-1016	BE264A-1016	T50 300 300 427 195 205
AL264A-1018	BE264A-1018	T55 350 350 500 225 245
AL264A-1020	BE264A-1020	T60 400 400 550 255 280

Screwdriver Bits



ITEM CODE	SIZE	
AL-RR	BE-CU	
AL264B-S	BE264B-S	4.5mm, 6.5mm, 8mm
AL264B-PH	BE264B-PH	1#, 2#, 3#, 4#
AL264B-PZ	BE264B-PZ	1#, 2#, 3#, 4#
AL264B-H	BE264B-H	3, 4, 5, 6, 7, 10 (mm)
AL264B-T	BE264B-T	T10, T15, T20, T25, T27, T30, T40

WE THE CRAFTSMEN DO SAFETY FIRST

WE THE CRAFTSMEN DO SAFETY FIRST

NON-SPARKING-TOOLS

NON-SPARKING-TOOLS

Manual Impact Screwdriver Set



ITEM CODE	SIZE	N.W. (g)	SIZE (mm)	
			PCS	AL BR BE CU
AL264C BE264C	8*70	2		
AL264C BE264C	PH4*70	2		
AL264C BE264C	8*30	1		750 825
AL264C BE264C	PH4*30	1		

Phillips Screwdriver



ITEM CODE	SIZE	N.W. (g)	SIZE (mm)	
			PCS	AL BR BE CU
AL266-1002	BE266 35 0 50 150 3 3 2 3 1			
1002	AL266-1004 70 1 175 4 63 4 1 1 100			
BE266-1004	AL266 70 0 5 70 5 2 125 225			
1006	BE266-1006 40 9 5			
AL266-1008	BE266 6 2 150 250 6 105 110			
1008	AL266-1010 8 3 200 320 8 155 165			
BE266-1010	AL266 10 3 250 370 8 170 185			
1012	BE266-1012 12 4 300 450 9 230 245			
AL266-1014	BE266 14 4 350 500 9 255 270			
1014	AL266-1016 16 4 400 550 9 280 295			
BE266-1016	AL266 18 4 450 600 9 300 320			
1018	BE266-1018			

Marking Tool

ITEM CODE	SIZE	N.W. (g)
AL266-1020	AL266-1022	
BE266-1022		



ITEM CODE	SIZE	N.W. (g)	SIZE (mm)	
			L	H
AL267-1002	BE267-1002	400	40	12 445 502
AL267-1004	BE267-1004	600	50	16 1036 1152

Slotted Screwdriver



ITEM CODE	SIZE	N.W. (g)	SIZE (mm)	
			L	B
AL265-1002	BE265-1002	50	150	3 33 35
AL265-1004	BE265-1004	50	150	4.5 40 43
AL265-1006	BE265-1006	75	175	3 32 35
AL265-1008	BE265-1008	75	175	4 42 45
AL265-1010	BE265-1010	75	175	5 65 70
AL265-1012	BE265-1012	100	200	4 42 45
AL265-1014	BE265-1014	100	200	5 70 75
AL265-1016	BE265-1016	100	200	6 80 85
AL265-1018	BE265-1018	125	225	6 95 100
AL265-1020	BE265-1020	150	250	6 105 110
AL265-1022	BE265-1022	150	250	7 120 125
AL265-1024	BE265-1024	150	250	8 135 140
AL265-1026	BE265-1026	200	320	8 155 165
AL265-1028	BE265-1028	250	370	9 175 185
AL265-1030	BE265-1030	250	400	11 245 260
AL265-1032	BE265-1032	300	450	10 230 245
AL265-1034	BE265-1034	300	450	11 275 290 350
AL265-1036	BE265-1036	500	11 300	320 400 550 12
AL265-1038	BE265-1038	430	450	450 600 13 450
AL265-1040	BE265-1040	470		

Marking Tool



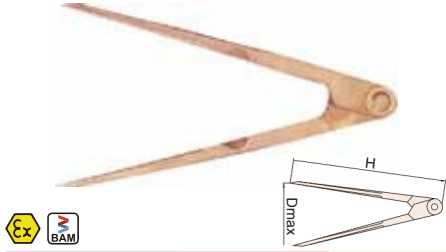
ITEM CODE	SIZE	N.W. (g)	SIZE (mm)	
			L	H
AL268-1002	BE268-1002	187	32	252 4 4 10 15
AL268-1004	BE268-1004	42		

Awl



ITEM CODE	SIZE	N.W. (g)
AL269-1002	BE269-1002	100 3 184 45 50

Dividers



ITEM CODE	SIZE	N.W. (g)	SIZE (mm)	
			Dmax	H
AL269A-1002	BE269A 200	200	150	170
1002	AL269A-1004	400	400	360 400

Hacksaw Frame



ITEM CODE	SIZE	N.W. (g)	SIZE (mm)	
			L	H
AL270-1002	BE270-1002	500	300	110 590 645

Hacksaw Frame



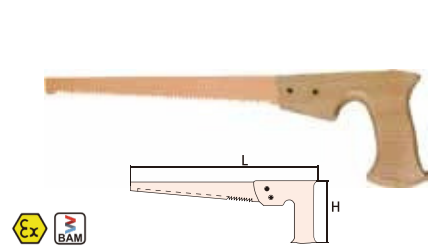
ITEM CODE	SIZE	N.W. (g)	SIZE (mm)	
			L	H
AL270A-1002	BE270A-1002	470	800	90 650 720

Hacksaw Blade



ITEM CODE	SIZE	N.W. (g)	SIZE (mm)	
			L	B
BE271-1002		300	12	32

Hand Saw



ITEM CODE	SIZE	N.W. (g)	SIZE (mm)	
			L	H
AL272-1002	BE272-1002	870	114	265 125

Hand Saw



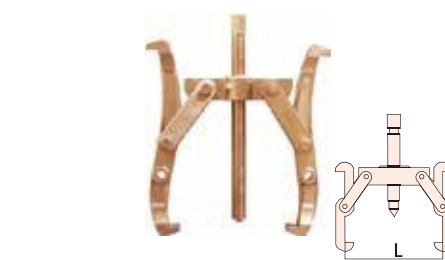
ITEM CODE	SIZE	N.W. (g)	SIZE (mm)	
			L	B
AL272A-1002	BE272A-1002	700	35	520 555

3 Leg Gear Puller



ITEM CODE	SIZE	N.W. (g)	SIZE (mm)	
			L	H
AL273-1002	BE273-	100	1200	1350
1002	AL273-1004	150	2500	2800
BE273-1004	AL273-	200	5200	5720
1006	BE273-1006	250	9700	10650

2 Leg Gear Puller



ITEM CODE	SIZE	N.W. (g)	SIZE (mm)	
			L	H
AL273A-1002	BE273A-	100	1100	1250
1002	AL273A-1004	150	2200	2450
BE273A-1004	AL273A-	200	4640	5130
1006	BE273A-1006	250	8800	9600

AL273A-1008 BE273A-1008

Hydraulic Gear Puller



ITEM CODE	SIZE	N.W. (g)	SAFE LOAD (T)	
			Φ	L
AL273B-5	BE273B-5	5	200	7500 8000 250
AL273B-10	BE273B-10	10	11000	12000 350
AL273B-20	BE273B-20	20	19000	20600

Clamp



ITEM CODE	SIZE	N.W. (g)	SIZE (mm)	
			L	H
AL274-1002	BE274-	210	50	36 250 1080 1200
1002	AL274-1004	80	36	290 100 1270 1400
BE274-1004	AL274-	36	340	150 50 1460 1610
1006	BE274-1006			1970 2155

Clamp



ITEM CODE	SIZE	N.W. (g)	SAFE LOAD (T)	
			Φ	L
AL274A-1002	BE274A-	76	19	19 180 200
1002	AL274A-1004	290	115	75 5000 5600
BE274A-1004	AL274A-	370	165	90 10000 11100

1006 BE274A-1006

Clamp



ITEM CODE	SIZE	N.W. (g)	SAFE LOAD (T)	
			Φ	L
AL274B-1002	BE274B-	25	26	79 220 245
1002	AL274B-1004	38	31	99 335 370
BE274B-1004	AL274B-	50	36	117 445 490
1006	BE274B-1006	75	46	152 800 880
AL274B-1008	BE274B-	100	56	190 1380 1520

Fork, Three Prong



ITEM CODE	SIZE	N.W. (g)	SIZE (mm)	
			L	H
AL275-1002	BE275-1002	185	200	125 2150 2300

Fork, Four Prong



ITEM CODE	SIZE	N.W. (g)	SAFE LOAD (T)	
			Φ	L
AL276-1002	BE276-1002	227	200	1965 2150

NON-SPARKING-TOOLS

NON-SPARKING-TOOLS

Cleaning Rust Rake



ITEM CODE	SIZE(mm)	N.W. (g)
AL BR BE CU	L H B	AL BR BE CU
AL277-1002 BE277-1002	327 105 98	950 1050

Bucket



ITEM CODE	SIZE	N.W. (g)
Brass Copper	Size(L) H(mm) Brass Copper	Brass Copper
BR280A-1002 CO280A-1002	10 300 1680 1680	

Bottom Deposit Sampler



ITEM CODE	SIZE	N.W. (g)
Brass Copper	Size(ml)	Brass Copper
BR280D-1002 CO280D-1002	500	1200 1200

Oil Funnel



ITEM CODE	SIZE	N.W. (g)
Brass Copper	L (mm) B (mm) Brass Copper	Brass Copper
BR278A-1002 CO278A-1002	160 130 330 330	
BR278A-1004	160 150 350 350	

Bucket



ITEM CODE	SIZE	N.W. (g)
Brass Copper	Size(L) H(mm) Brass Copper	Brass Copper
BR280B-1002 CO280B-1002	10 325 1700 1700	

Bucket



ITEM CODE	SIZE(mm)	N.W. (g)
Brass Copper	Capacity(L) H(mm) Brass Copper	Brass Copper
BR281C-1002 CO281C-1002	14 270 248 1830 1830	

Portable Oil Pump



ITEM CODE	SIZE	N.W. (g)
Brass Copper	Φ(mm) H(mm) Brass Copper	Brass Copper
BR279-1002 CO279-1002	1165 1100 2315 2315	

Hand Cadger



ITEM CODE	SIZE	N.W. (g)
Brass Copper	Size(L) H(mm) Brass Copper	Brass Copper
BR280C-1002 CO280C-1002	2 100 800 800	

Bucket



ITEM CODE	SIZE	N.W. (g)
Brass Copper	Capacity(L) H(mm) Brass Copper	Brass Copper
BR281A-1002 CO281A-1002	15 280 2000 2000	

Oil Dipper



ITEM CODE	SIZE	N.W. (g)
Brass Copper	Capacity (ml) (mm) Brass Copper	Brass Copper
BR280-1002 CO280-1002	50 43 430 110 100	BR280-1004
CO280-1004	100 52 430 150 140	BR280-1006
CO280-1006	250 68 430 225 210	BR280-1008
CO280-1008	500 89 440 350 330	

Spinning Machine Production Characteristics:

WEDO
TOOLS FOR SAFETY

- A stamping forming process in which the slab and the mandrel rotate together, and the roller feeds and exerts pressure to make the slab adhere to the mandrel and deform locally point by point [see figure) spinning principle].
- Spinning can manufacture all kinds of axisymmetric rotating body parts, such as loudspeaker, projectile body, high pressure container head, tam-tam; It can also be used for cylinder closing, cylinder forming, etc. The characteristics of spinning are: with a small deformation force can form a large workpiece, the use of equipment is relatively simple, small and medium-sized sheet pieces can be used for ordinary lathe spinning; The mold is simple, only one mandrel is needed, and the material requirement is low. Spinning is suitable for small batch production, because it can only process rotating parts, the limitations are large, low productivity. Special machines can be used for spinning, using copy spinning and digital control spinning. In the spinning forming at the same time to reduce the plate thickness of the process known as thin spinning, also known as strong spinning, more for processing conical parts, thin-walled tubular parts, etc., can also be used to spin large straight deep tube, and then cut into the plate.

Bucket



ITEM CODE	SIZE	N.W. (g)
Brass Copper	Capacity(L) H(mm) Brass Copper	Brass Copper
BR281D-1002 CO281D-1002	10 250 1200 1200	
BR281D-1004	15 280 1550 1550	

Scoop, Sugar



ITEM CODE	SIZE	N.W. (g)
Brass Copper	B(mm) L(mm) Brass Copper	Brass Copper
BR283A-1002 CO283A-1002	75 220 200 200	
BR283A-1004	140 360 645 645	

Scoop, Sugar



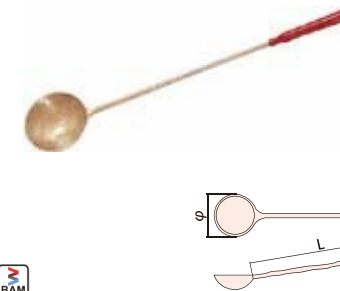
ITEM CODE	SIZE	N.W. (g)
Brass Copper	B(mm) L(mm) Brass Copper	Brass Copper
BR283E-1002 CO283E-1002	85 300 200 200	
BR283E-1004	110 300 230 230	

Dustpan



ITEM CODE	SIZE(mm)	N.W. (g)
Brass Copper	L B H Brass Copper	Brass Copper
BR282-1002 CO282-1002	150 130 20 200	130 130
BR282-1004	200 50 270 250	335 335
BR282-1004	50	635 635

Scoop



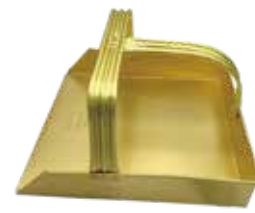
ITEM CODE	SIZE	N.W. (g)
Brass Copper	Φ(mm) L(mm) AL BR BE CU	Brass Copper
AL283B-1002 BE283B-1002	112 500 1100 1220	

Oil Pans



ITEM CODE	SIZE
Brass Copper	L*B*H(mm)
BR283F-1002 CO283F-1002	400*300*40mm
BR283F-1004	540*380*100mm

Dustpan



ITEM CODE	SIZE(mm)	N.W. (g)
Brass Copper	L B H Brass Copper	Brass Copper
BR282A-1002 CO282A-1002	150 130 20 200	130 130
BR282A-1004	200 50 270 250	335 335
BR282A-1004	50	635 635

Strainer



ITEM CODE	SIZE(mm)	N.W. (g)
Brass Copper	Φ(mm) L(mm) Brass Copper	Brass Copper
BR283C-1002 CO283C-1002	300 600 1800 1800	

Brush, Flat Back, Scratch



ITEM CODE	SIZE(mm)	N.W. (g)
Brass Copper	L*B*H Brass Copper	Brass Copper
BR284-1002 PH284-1002	205*48*6*16 41	260 260

Scoop, Sugar



ITEM CODE	SIZE(mm)	N.W. (g)
Brass Copper	Capacity(L) L H Brass Copper	Brass Copper
BR283-1002 CO283-1002	1.5 350 90	580 580

Basin



ITEM CODE	SIZE	N.W. (g)
Brass Copper	Φ(mm) Brass Copper	Brass Copper
BR283D-1002 CO283D-1002	390	1380 1460
BR283D-1004	465	1900 2000

Brush

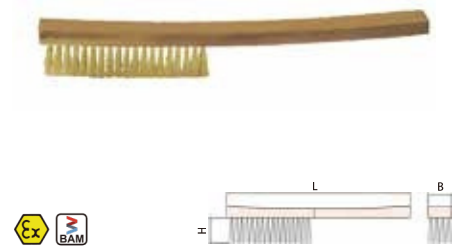


ITEM CODE	SIZE(mm)	N.W. (g)
Brass Copper	L*B*H Brass Copper	Brass Copper
BR285-1002 PH285-1002	290*29*4*16 28	115 115

NON-SPARKING-TOOLS

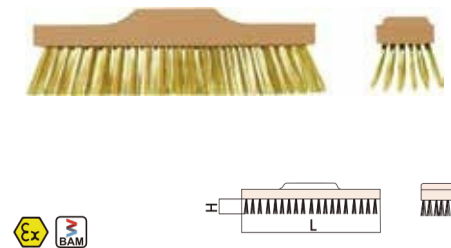
NON-SPARKING-TOOLS

Brush



ITEM CODE	SIZE(mm)	N.W. (g)
BR285A-1002	PH285A-1002 350*284*19 B0	150 150

Broom, Round Wire



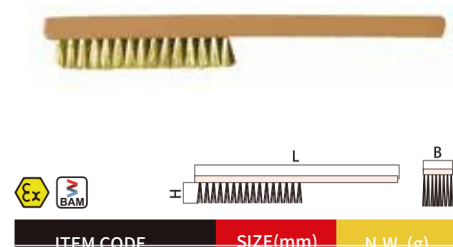
ITEM CODE	SIZE(mm)	N.W. (g)
BR286C-1002	PH286C-1002 310 6*25 35	550 550

Wheel Brush, Knot Wire



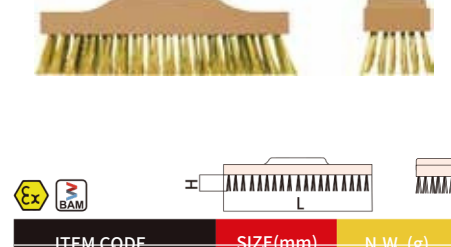
ITEM CODE	SIZE(mm)	N.W. (g)
BR289-1002	PH289-1002 125 15 14	440 440

Brush



ITEM CODE	SIZE(mm)	N.W. (g)
BR286-1002	PH286-1002 215*29 6*15 15	30 30

Scrubbing Broom, Round Wire



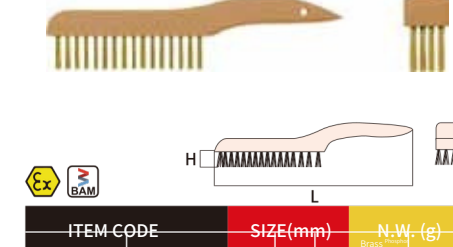
ITEM CODE	SIZE(mm)	N.W. (g)
BR286D-1002	PH286D-1002 210*65 6*17 40	500 500

Brush, Cup



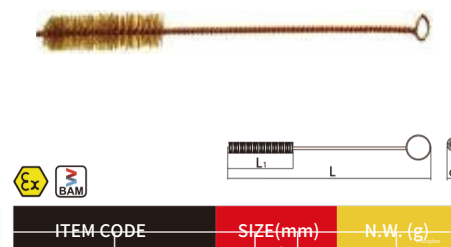
ITEM CODE	SIZE(mm)	N.W. (g)
BR289A-1002	PH289A-1002 125 15 14	320 320

Brush, Shoe Handle



ITEM CODE	SIZE(mm)	N.W. (g)
BR286A-1002	PH286A-1002 255 4*16 30	180 180

Brush, Tube



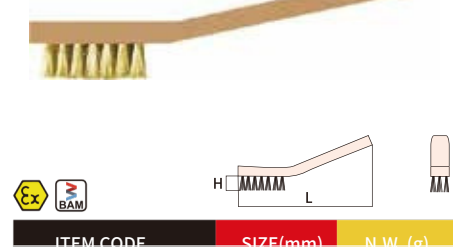
ITEM CODE	SIZE(mm)	N.W. (g)
BR287-1002	PH287-1002 20 100 320 100 100	

Brush, Cup



ITEM CODE	SIZE(mm)	N.W. (g)
BR290-1002	PH290-1002 100 30 14	480 480

Brush, spark-plug cleaning



ITEM CODE	SIZE(mm)	N.W. (g)
BR286B-1002	PH286B-1002 196 3*7 13	20 20

Brush, Wheel



ITEM CODE	SIZE(mm)	N.W. (g)
BR288-1002	PH288-1002 75 10 6	140 140

Cup Brush, Knot Wire



ITEM CODE	SIZE(mm)	N.W. (g)
BR290A-1002	PH290A-1002 100 30 14	580 580

Brush, End



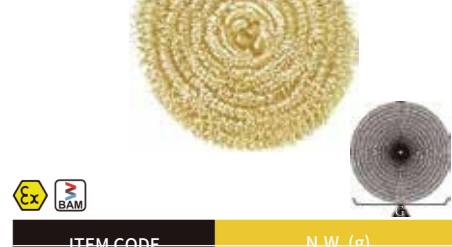
ITEM CODE	SIZE(mm)	N.W. (g)
BR290B-1002	PH290B-1002 26 25 6	120 120

Manual Portable Oil Pump



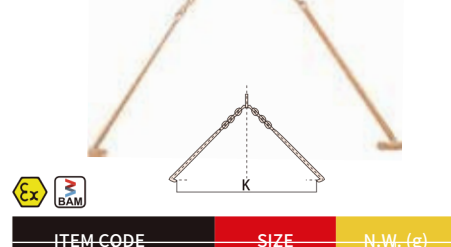
ITEM CODE	SIZE	N.W. (g)
AL293-1002	BE293-1002 1350 2515700 6000	

Brush, Ball



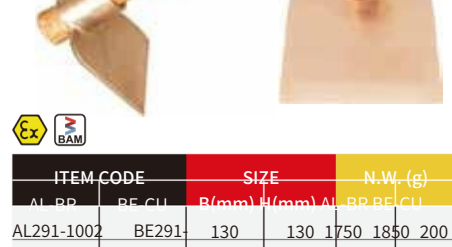
ITEM CODE	N.W. (g)
BR290C-1002	25

Barrel Hook, Adjustable



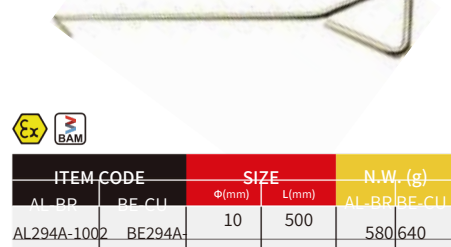
ITEM CODE	SIZE	N.W. (g)
AL294-1002	BE294-1002 700 1060 3050 3300	

Hoe



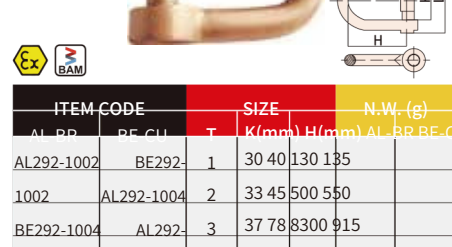
ITEM CODE	SIZE	N.W. (g)
AL291-1002	BE291-130 130 1750 1850 200	
1002	AL291-1004 200 1970 2080	

Well Cover Hook



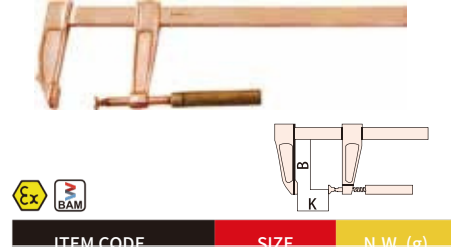
ITEM CODE	SIZE	N.W. (g)
AL294A-1002	BE294A-10 10 500	580 640
1002	AL294A-1004 10 600	640 700
BE294A-1004	AL294A-10 10 700	700 770
1006	BE294A-1006 10 800	770 850

Shackle



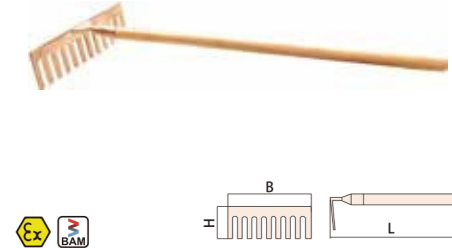
ITEM CODE	SIZE	N.W. (g)
AL292-1002	BE292-1 30 40 130 135	
1002	AL292-1004 2 33 45 500 550	
BE292-1004	AL292-3 37 78 8300 915	
1006	BE292-1006 5 45 110 1700 1900	
AL292-1008	BE292-10 60 120 4000 4500	

Screw Clamp



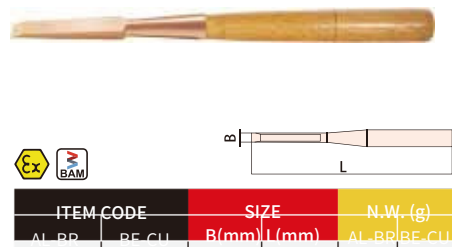
ITEM CODE	SIZE	N.W. (g)
AL295-1002	BE295-1002 120 400 2200 2395	

Rake



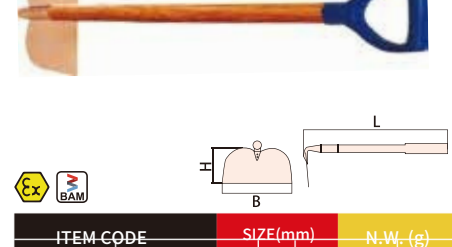
ITEM CODE	SIZE(mm)	N.W. (g)
AL296-1002	BE296-1270 350 100 1935 2080 1275	
1002	AL296-1004 450 120 2135 2300	

Chisel



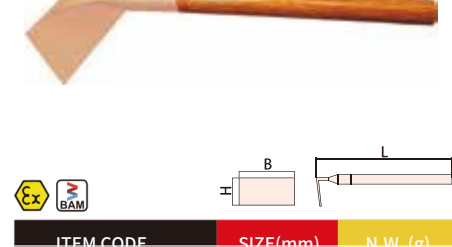
ITEM CODE	SIZE	N.W. (g)
AL297-1002	BE297-14 14 280	180 200
1002	AL297-1004 18 320	250 700

Rake



ITEM CODE	SIZE(mm)	N.W. (g)
AL298-1002	BE298-1002 300 150 1130 1400 1550	

Rake



ITEM CODE	SIZE(mm)	N.W. (g)
AL299-1002	BE299-1002 160 80 780 600 670	

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NON-SPARKING-TOOLS

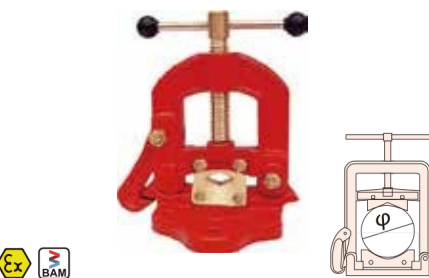
NON-SPARKING-TOOLS

Fire, Hook



ITEM CODE		SIZE		N.W. (g)	
AL-RR	BE-CU	L (mm)	L (mm)	AL-RR	BE-CU
AL300-1002	BE300-1002	270	1215	1300	1365

Self Locking Pipe Vice



ITEM CODE		SIZE		N.W. (g)	
AL-RR	BE-CU	D (mm)		AL-RR	BE-CU
AL301-1002	BE301-	10-60		4425	4870
1002	AL301-1004	10-90		9420	10350
BE301-1004	AL301-	15-115		13900	15300
1006	BE301-1006	30-220		27800	30600
AL301-1008	BE301-	30-300		35000	38000

Chain Adjuster



ITEM CODE		SIZE		N.W. (g)	
AL-RR	BE-CU	Load (kN)	Load (kN)	AL-RR	BE-CU
AL302-1002	BE302-	6		11273	200225
1002	AL302-1004	8		2100	450500
BE302-1004	AL302-	10	315137	1150	1280

Safety Belt



ITEM CODE		SIZE		N.W. (g)	
AL-RR	BE-CU	type		AL-RR	BE-CU
AL303-1002		Besiege type		1200	
AL303-1004		Shoulders type		1000	

Tube Bender



ITEM CODE		SIZE		N.W. (g)	
AL-RR	BE-CU	Size (mm)		AL-RR	BE-CU
AL304-	BE304-1002	6, 8, 10		420	460
1002	BE304-1004	12		1500	1650
AL304-	BE304-1006	14		1800	2000

Pipe Cutter



ITEM CODE		SIZE		N.W. (g)	
AL-RR	BE-CU	D (inch) D (mm)		AL-RR	BE-CU
AL305-1002	BE305-1002	3/8-2 10-50		2010	2210
AL305-1004	BE305-1004	3/8-3 10-75		3700	4070

Pipe Cutter



ITEM CODE		SIZE		N.W. (g)	
AL-RR	BE-CU	D (inch) D (mm)		AL-RR	BE-CU
AL305A-1002	BE305A-1002	4-5 100-150		11500	12250
AL305A-1004	BE305A-1004	8-12 200-300		19000	21000

Hydraulic Pallet Truck



ITEM CODE		SIZE		N.W. (kg)	
AL-RR	BE-CU	Load (kg)	Load (kg)	AL-RR	BE-CU
AL306-1002	BE306-1002	2000	1190	1240	160545

Trolley For Chain Hoist (Pull Type)



ITEM CODE		SIZE		N.W. (kg)	
AL-RR	BE-CU	Capacity (kg)	Lifting Beam Width (mm)	AL-RR	BE-CU
AL307-1002	BE307-	0.5	2.5 68-94	16.5	16.5
1002	AL307-1004	1	2.5 68-100	20	2.5 2
BE307-1004	AL307-	2	94-124	26	0
1006	BE307-1006	3	3 116-140	27.5	27.5 2
AL307-1008	BE307-	5	3 142-180	34	3 84
1008	AL307-1010	10	142-180	68	68
BE307-1010	AL307-	16	3 142-180	170	170

Trolley For Chain Hoist (Pull Type)



ITEM CODE		SIZE		N.W. (kg)	
AL-RR	BE-CU	Capacity (kg)	Lifting Beam Width (mm)	AL-RR	BE-CU
AL307B-1002	BE307B-	0.5	2.5 68-94	16.5	16.5
1002	AL307B-1004	1	2.5 68-100	20	2.5 20
BE307B-1004	AL307B-	2	94-124	26	26
1006	BE307B-1006	3	3 116-140	27.5	27.5
AL307B-1008	BE307B-	5	3 142-180	34	3 34
1008	AL307B-1010	10	142-180	68	68
BE307B-1010	AL307B-	16	3 142-180	170	170

Chain Hoist With Trolley



ITEM CODE		SIZE		N.W. (kg)	
AL-RR	BE-CU	Capacity (kg)	Lifting Beam Width (mm)	AL-RR	BE-CU
AL307C-1002	BE307C-	0.5	68-94	21.5	21.5
1002	AL307C-1004	1	68-100	27.5	27.5
BE307C-1004	AL307C-	2	94-124	40	40
1006	BE307C-1006	3	116-140	42	42

Chain Hoist With Trolley

AL307C-1008	BE307C-	5	142-180	84	84
1008	AL307C-1010	10	142-180	68	68
BE307C-1010	AL307C-	16	170-170	170	170

Chain Hoist With Trolley



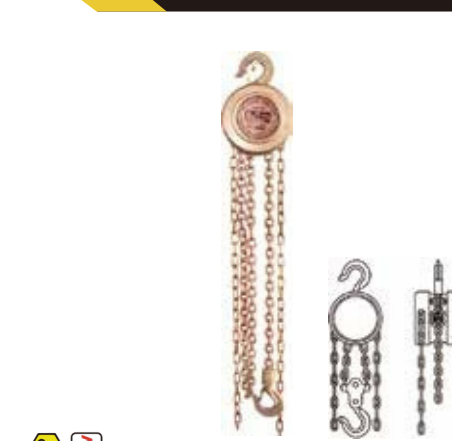
ITEM CODE		SIZE		N.W. (kg)	
AL-RR	BE-CU	Capacity (kg)	Lifting Beam Width (mm)	AL-RR	BE-CU
AL307D-1002	BE307D-	0.5	68-94	25	25
1002	AL307D-1004	1	68-100	34.5	34.5
BE307D-1004	AL307D-	2	94-124	48	48
1006	BE307D-1006	3	116-140	50	50

Trolley for Chain Hoist, Steerable



ITEM CODE		SIZE		N.W. (kg)	
AL-RR	BE-CU	Capacity (kg)	Width (mm)	AL-RR	BE-CU
AL307E-1002	BE307E-1002	1	68-100	14.5	14.5

Chain Hoist



ITEM CODE		SIZE		N.W. (kg)	
AL-RR	BE-CU	Capacity (kg)	Lifting	AL-RR	BE-CU
AL308-1002	BE308-	0.5	2.5	10.2	10.2
1002	AL308-1004	1	2.5	13.6	13.6
BE308-1004	AL308-	1.5	2.5	21	21
1005	BE308-1005	2	2.5	22	22
AL308-1006	BE308-	3	3	23.6	23.6
1006	AL308-1008	5	3	36	36
BE308-1008	AL308-	10	3	68.5	68.5
1010	BE308-1010	16	3	187	187

Chain Hoist

AL308-1012	BE308-	25	3	254	254
1012	AL308-1014	30	3	317	317
BE308-1014	AL308-	50	3	500	500

Chain Hoist



ITEM CODE		SIZE		N.W. (kg)	
AL-RR	BE-CU	Capacity (kg)	Lifting	AL-RR	BE-CU
AL308A-1002	BE308A-	0.5	2.5	11.4	11.4
1002	AL308A-1004	1	2.5	18.4	18.4
BE308A-1004	AL308A-	2	2.5	27.9	27.9
1006	BE308A-1006	3	3	28.3	28.3
AL308A-1008	BE308A-	5	3	54	54

Ratchet Lever Hoist



ITEM CODE		SIZE		N.W. (kg)	
AL-RR	BE-CU	Capacity (kg)	Lifting	AL-RR	BE-CU
AL308B-1002	BE308B-	0.75	1.5	7.7	7.7
1002	AL308B-1004	1.5	1.5	11.8	11.8
BE308B-1004	AL308B-	3	1.5	21	21
1006	BE308B-1006	6	1.5	32	32
AL308B-1008	BE308B-	9	1.5	47	47

Come Along Winch



ITEM CODE		SIZE		N.W. (kg)	
AL-RR	BE-CU	Size (T)	Lifting	AL-RR	BE-CU
AL308C-1002	BE308C-	1	3	3	3
1002	AL308C-1004	2	4.5	4.5	4.5
BE308C-1004	AL308C-	3	6.3	6.3	6.3
1006	BE308C-1006	4	7.8	7.8	7.8

Chain Hoist

AL308C-1008	BE308C-	5	9.0	9.0	9.0
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Torque Wrench



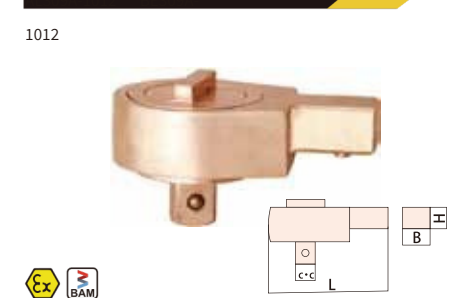
ITEM CODE		SIZE		N.W. (g)	
AL-RR	BE-CU (inch)	Torque (Nm)	Torque (lbf.ft)	AL-RR	BE-CU
AL309-1002	BE309-1002	100	310	540	600 490
3/8	AL309-1004	BE309-	260	1210	1340 560
1004	1/2	AL309-1006	450	1930	2050

Lock Torque Wrench-Window Display



ITEM CODE		SIZE		N.W. (g)	
AL-RR	BE-CU	Capacity (kg)	Lifting	AL-RR	BE-CU
AL309A-1000	BE309A-	1/4	5-25	265	800 850 3/8 10-50
1000	AL309A-1002	295	920	980	1/2 20-100 395 1020
BE309A-1002	AL309A-	1100	1/2	40-200	470 1200 1320
1004	BE309A-1004	1/2	50-260	570	1330 1500 5700
AL309A-1006	BE309A-	3/4	150-670	1085	4930
1006	AL309A-1008	1	300-900	1340	8500 10000
BE309A-1008	AL309A-	1	300-900	1340	8500 10000

Rectangular Reversible Ratchet Head



ITEM CODE		SIZE		N.W. (g)		
AL-RR	BE-CU	H*B (mm)	C (inch)	L (mm)	AL-RR	BE-CU
AL309B-1002	BE309B-1002	9*12	3/8	50	150	165
AL309B-1004	BE309B-1004	14*18	1/2	178	400	445

Flange Prop



ITEM CODE		SIZE		N.W. (g)	
AL-RR	BE-CU	Size (mm)	L (mm)	AL-RR	BE-CU
AL310-1002	BE310-1002	FZM16-24		6600	7300
AL310-1004	BE310-1004	FZM27-36		9000	9900

Flange Prop

AL310-1008	BE310-1008	FZM42-54		12000	13200
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NON-SPARKING-TOOLS

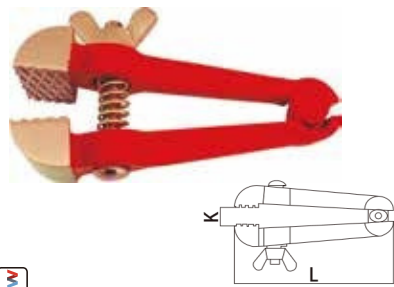
NON-SPARKING-TOOLS

Parallel Vice



ITEM CODE		SIZE(mm)		N.W. (g)	
AL- BR	BE- CU	B	Kmax	AL- BR/BE- CU	
AL311-1002	BE311-1002	90	90	7400	8150
1002	AL311-1004	125	125	12500	14000
BE311-1004	AL311-1006	150	150	15000	17500
1006	BE311-1008	170	170	15400	18000

Hand Vice



ITEM CODE		SIZE		N.W. (g)	
AL- BR	BE- CU	L (mm)	L (mm)	AL- BR/BE- CU	
AL311A-50	BE311A-50	50	50	165	830 915

Releasing Static Device



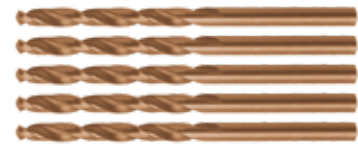
ITEM CODE		SIZE		N.W. (g)	
AL- BR	BE- CU	L (mm)	D (mm)	AL- BR/BE- CU	
AL313-1002	BE313-1002	1150	90	3700	3900

Releasing Static Device



ITEM CODE		SIZE		N.W. (g)	
AL- BR	BE- CU	L (mm)	D (mm)	AL- BR/BE- CU	
AL313B-1002	BE313B-1002	1000	90	2700	2900

Drill Bit



ITEM CODE		SIZE		N.W. (g)	
AL- BR	BE- CU	Φ (mm)	L (mm)	AL- BR/BE- CU	
BE312-1002		6	100		20
BE312-1004		7	120		30
BE312-1006		8	140		50
BE312-1008		9	160		75
BE312-1010		10	180		100
BE312-1014		12	220		170
BE312-1016		13	240		220
BE312-1018		14	260		280
BE312-1020		15	280		360
BE312-1022		16	300		440
BE312-1024		17	300		500
BE312-1026		17	300		500
BE312-1028		18	320		600
BE312-1030		19	320		700
		20	330		800

Screw Jack



ITEM CODE		SIZE		N.W. (g)	
AL- BR	BE- CU	Model	Capacity (t)	Φ (mm)	Lifting (mm)
AL314-1002	BE314-1002	FBQL3.2	3.2	220	110
1002	AL314-1004	FBQL5	5	250	130
BE314-1004	AL314-1006	FBQL10	10	280	150
1006	BE314-1008	FBQL16	16	320	180

Packing Tool



ITEM CODE		N.W. (g)	
AL- BR	BE- CU	AL- BR	BE- CU
AL315-1002	BE315-1002	800	900

Hydraulic Screw Jack



ITEM CODE		SIZE		N.W. (g)	
AL- BR	BE- CU	Model	Height (mm)	AL- BR/BE- CU	
AL316-1002	BE316-1002	ZBYG-108	48	58	1600
1002	AL316-1004	ZBYG-208	56	67	2700
BE316-1004	AL316-1006	ZBYG-308	62	75	4600
1006	BE316-1008	ZBYG-508	72	88	7800

Hydraulic Cylinder



ITEM CODE		SIZE		N.W. (g)	
AL- BR	BE- CU	Model	Working capacity (t)	AL- BR/BE- CU	
AL316A-1002	BE316A-1002	ZBB-700	600-350		110

Ruler



ITEM CODE		SIZE		N.W. (g)	
AL- BR	BE- CU	Size (mm)	AL- BR/BE- CU		
AL317-1002	BE317-1002	500		190	140
AL317-1004	BE317-1004	1000		390	290

T Square



ITEM CODE		SIZE		N.W. (g)	
AL- BR	BE- CU	Size (mm)	AL- BR/BE- CU		
BR318-1002		1000			1450

Filler Gauge



ITEM CODE		SIZE		N.W. (g)	
AL- BR	BE- CU	Size (mm)	AL- BR/BE- CU		
BR319-1002		0.05-1.0			70

L-Square Ruler



ITEM CODE		SIZE		N.W. (g)	
AL- BR	BE- CU	Size (mm)	AL- BR/BE- CU		
AL320-1002	BE320-1002	150*300		145	165
AL320-1004	BE320-1004	250*500		250	275

Block Device



ITEM CODE		SIZE		N.W. (g)	
AL- BR	BE- CU	Size (mm)	AL- BR/BE- CU		
AL323-1002	BE323-1002	390 35		1150	1320 75
AL323-1004	BE323-1004	890		2650	3050

Hex Key Set



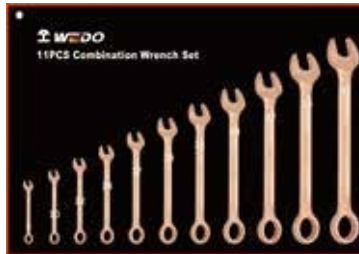
ITEM CODE		SIZE		N.W. (g)	
AL- BR	BE- CU	Size (mm)	AL- BR/BE- CU		
ALS-A-9	BES-A-9	1,5,2,2,5,3,4,5,6,8,10			
ALS-A-11	BES-A-11	2,3,4,5,6,7,8,9,10,11,12			
ALS-A-13	BES-A-13	2,3,4,5,6,7,8,9,10,11,12,13,14			

Double Open End Wrench Set



ITEM CODE		SIZE		N.W. (g)	
AL- BR	BE- CU	SPECIFICATION (mm)	AL- BR/BE- CU		
ALA-9	BEA-9	8*10,10*12,12*14,14*17,17*19,19*22,22*24,24*27,30*32		3000	3295
ALA-10	BEA-10	8*10,10*12,12*14,14*17,17*19,19*22,22*24,24*27,27*30,30*32		3230	3530
ALA-11	BEA-11	8*10,9*11,10*12,12*14,14*17,17*19,19*22,22*24,24*27,27*30,30*32		2612	2869
ALA-12	BEA-12	6*7,8*9,10*11,12*13,14*15,16*17,18*19,20*22,21*23,24*26,25*28,30*32		3295	3610
ALA-13	BEA-13	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			

Combination Wrench Set



ITEM CODE		SIZE		N.W. (g)	
AL- BR	BE- CU	SPECIFICATION (mm)	AL- BR/BE- CU		
ALB-9	BEB-9	8,10,12,14,17,19,22,24,27		2721	3008
ALB-10	BEB-10	10,12,14,17,19,22,24,27,30,32		2955	3235
ALB-11	BEB-11	8,10,12,14,17,19,22,24,27,30,32		2975	3257
ALB-12	BEB-12	6,8,10,12,14,17,19,22,24,27,30,32		3175	3485
ALB-13	BEB-13	8,10,12,13,14,16,17,19,22,24,27,30,32			

Double Box Offset Wrench Set



ITEM CODE		SIZE		N.W. (g)	
AL- BR	BE- CU	SPECIFICATION (mm)	AL- BR/BE- CU		
ALC-9	BEC-9	8*10,10*12,12*14,14*17,17*19,19*22,22*24,24*27,30*32		3460	3520
ALC-10	BEC-10	8*10,10*12,12*14,14*17,17*19,19*22,22*24,24*27,27*30,30*32		3275	3585
ALC-11	BEC-11	8*10,9*11,10*12,12*14,14*17,17*19,19*22,22*24,24*27,27*30,30*32		3631	3965
ALC-12	BEC-12	6*7,8*9,10*11,12*13,14*15,16*17,18*19,20*22,21*23,24*26,25*28,30*32		3320	3630
ALC-13	BEC-13	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			

Tool Set-6pcs



ITEM CODE	DESCRIPTION	SPECIFICATION
AL01-6	Slotted Screwdriver Phillips Screwdriver Wrench, Adjustable Crate Opener Pliers, Water Pump Pliers, Adjustable Combination Tool Case	5*75mm #2*125mm 200mm 230mm 10" 6"

Tool Set-9pcs



ITEM CODE	DESCRIPTION	SPECIFICATION
AL02-9	Wrench, Adjustable Pliers, Lineman Pliers, Water Pump Slotted Screwdriver Phillips Screwdriver Hammer, Cross Pein Engineer Knife, Putty Tool Case	300mm 200mm 250mm 6*150mm 8*200mm #2*150mm #3*200mm 1kg 50*203mm

Tool Set-10pcs



ITEM CODE	DESCRIPTION	SPECIFICATION
AL03-10	Slotted Screwdriver Phillips Screwdriver Wrench, Adjustable Hammer, Claw Pliers, Water Pump Knife, Putty Knife, Common Pliers, Adjustable Combination Wrench, Pipe (American Type) Tool Case	5/16*3" #2*4" 6" 10" 0.45kg 10" 1-1/4*3-9/16" 3-1/8" 6" 10"

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Drill Bits Set-15pcs

Tool Set-15pcs

Tool Set-16pcs

Tool Set-17pcs

Tool Set-17pcs

Tool Set-20pcs



ITEM CODE	DESCRIPTION	SPECIFICATION
BE04-15	Drill Bit	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
	Tool Case	

ITEM CODE	DESCRIPTION	SPECIFICATION
AL05-15 BE05-15	Wrench, Double Open End	(8*10,10*12, 12*14,14*17, 17*19,19*22, 22*24,24*27, 30*32)mm
	Wrench, Adjustable	250mm
	Wrench, Pipe (American Type) Pliers, Water Pump	250mm
	Pliers, Adjustable	150mm 200mm
	Combination Slotted Screwdriver	6*150mm
	Phillips Screwdriver	#2*150mm
	Phillips Screwdriver	0.45kg
	Hammer, Claw	25*200mm
	Knife, Putty	250mm
	Knife	45*300mm
	Scraper, Deck	4*16
	Brush	
	Tool Case	

ITEM CODE	DESCRIPTION	SPECIFICATION
AL06-16 BE06-16	Wrench, Double Flat Box(DIN83)	8*10mm 10*12mm 14*17mm
	Wrench, Adjustable	19*22mm 250mm
	Wrench, Pipe (American Type) Pliers, Water Pump	350mm
	Pliers, Lineman	250mm
	Pliers, Snipe Nose	200mm
	Pliers, Adjustable	200mm
	Combination Slotted Screwdriver	6*150mm
	Phillips Screwdriver	#2*150mm
	Phillips Screwdriver	0.45kg
	Hammer, Claw	25*200mm
	Knife, Putty	250mm
	Knife	45*300mm
	Scraper, Deck	4*16
	Brush	
	Tool Case	

ITEM CODE	DESCRIPTION	SPECIFICATION
AL10-17 BE10-17	Wrench, Pipe (American Type) Wrench, Adjustable	350mm 200mm 300mm
	Wrench, Combination	(14 17 19 22 24 27)mm
	Pliers, Lineman	200mm
	Pliers, Snipe Nose	200mm
	Pliers, Adjustable	200mm
	Combination Punch, Machinists'	Φ18*160mm
	Chisel, Flat	Φ18*160mm
	Slotted Screwdriver	m 6*150mm
	Phillips Screwdriver	#2*150mm
	Hammer, Ball Pein	0.91kg
	Tool Case	

ITEM CODE	DESCRIPTION	SPECIFICATION
AL12-17 BE12-17	Bar, Wrecking	19*800mm
	Wrench, Adjustable	30*250 36*300
	Wrench, Combination	46*375(mm)
	Hammer, Ball Pein	450g
	Hammer, Scaling	680g
	Hammer, Sledge	300g
	Scraper, Deck	2500g
	Scraper, Arched	300mm
	Slotted Screwdriver	100mm
	Chisel Hex/6 Point	8*200mm
	Chisel, Flat	18*160mm
	Wrench, Pipe (American Type)	6*150mm
	Tool Case	200 250 350mm

ITEM CODE	DESCRIPTION	SPECIFICATION
AL14-20 BE14-20	Wrench, Pipe (American Type)	50*350
	Wrench, Combination	(10 11 12 13 14 17 19 22)mm
	Phillips Screwdriver	#1*100mm
	Slotted Screwdriver	150*8mm
	Wrench, Adjustable	30*250mm
	Pliers, Lineman	200mm
	Pliers, Snipe Nose	200mm
	Hammer, Claw	680g
	Brush, Shoe handle	4*16
	Scraper, Deck	300mm
	Knife, Putty	25*200
	Knife	137*250
	Pliers, Water Pump	250mm
	Tool Case	

Tool Set-16pcs

Tool Set-15pcs

Tool Set-16pcs

Tool Set-17pcs

Tool Set-20pcs

Tool Set-26pcs



ITEM CODE	DESCRIPTION	SPECIFICATION
AL07-16 BE07-16	Slotted Screwdriver	3*75mm
	Phillips Screwdriver	#3*200mm
	Wrench, Adjustable	8" 12"
	Hammer, Claw	0.45kg
	Crate Opener	230m
	Pliers, Water Pump	m 12"
	Knife, Putty	200MM
	Knife	250MM
	Shears, Tin	12"
	Pliers, Snipe Nose	8"
	Pliers, Adjustable	8"
	Combination	3"
	Scraper, Spray Booth	380m
	Scraper, Deck	m 14"
	Wrench, Pipe(American Type)	300m
	Wrench, Bung	m
	Tool Case	

ITEM CODE	DESCRIPTION	SPECIFICATION
AL08-15 BE08-15	Knife, Putty	50*203mm
	Pliers, Water Pump	300mm
	Shears, Tin	300mm
	Wrench, Adjustable	24*200 36*300mm
	Wrench, Bung	385mm
	Pliers, Lineman	200mm
	Pliers, Snipe Nose	200mm
	Hammer, Claw	680g
	Brush, Shoe Handle	4*16
	Knife	137*250mm
	Scraper, Deck	300mm
	Slotted Screwdriver	6*150mm
	Phillips Screwdriver	8*200mm
	Wrench, Pipe (American Type)	50*350mm
	Tool Case	

ITEM CODE	DESCRIPTION	SPECIFICATION
AL09-16 BE09-16	Phillips Screwdriver	#1*75mm #1*100mm
	Slotted Screwdriver	#4*100mm 5*100mm
	Wrench, Hex Key with Ball Pliers, Lineman	(2 3 4 5 6 8 10) mm
	Pliers, Diagonal Cutting	6"
	Pliers, Snipe Nose	6"
	Pliers, Water Pump	250mm
	Wrench, Adjustable	24*200m
	Tool Case	

ITEM CODE	DESCRIPTION	SPECIFICATION
AL11-17 BE11-17	Pliers, Round Nose	150mm
	Pliers, Flat Nose	150mm
	Pliers, Diagonal Cutting	150mm
	Pliers, Lineman	150mm
	Tweezer, Neat Tips	150mm
	Wire Stripping Pliers	170mm
	Wrench, Adjustable	18*150mm
	Slotted Screwdriver	3*75mm 4*100mm
	Phillips Screwdriver	6*150mm
	Phillips Screwdriver	#0*50mm
	Phillips Screwdriver	#1*75mm
	Wrench, Hex Key with Ball	3mm 4mm 5mm
	Knife	250mm
	Scissors	225mm
	Tool Case	

ITEM CODE	DESCRIPTION	SPECIFICATION
AL13-20 BE13-20	Phillips Screwdriver	#1*75mm
	Slotted Screwdriver	5*100mm
	Pliers, Lineman	6"
	Wrench, Adjustable	12"
	Wrench, Pipe (American Type)	250mm
	Hammer, Sledge	4p
	Knife, Putty	65*203mm
	Wrench, Combination	(8 10 12 13 14 17 19 22 24) mm
	Chisel, Flat	14*160mm
	Punch, Machinists'	20*300mm
	Wrench, Hex Key	4mm
	Pliers, Diagonal Cutting	6"
	Tool Case	

ITEM CODE	DESCRIPTION	SPECIFICATION
AL15-26 BE15-26	Chisel, Flat	18*200m
	Wrench, Adjustable	m 150mm
	Pliers, Lineman	200mm
	Pliers, Adjustable Combination	200mm
	Pliers, Snipe Nose	150mm
	Slotted Screwdriver	6*150 8*200mm
	Phillips Screwdriver	#2*150
	Socket (1/2")	#3*200mm (8
	Sliding T Handle	10 12 14 17)mm
	Hammer, Testing	1/2**250mm
	Wrench, Combination	0.15kg
	Wrench, Hex Key	(8 10 12 14
	Wrench, Hex Key	17)mm(4.5 6 8
	Tool Case	10)mm

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NON-SPARKING-TOOLS

NON-SPARKING-TOOLS

Tool Set-26pcs

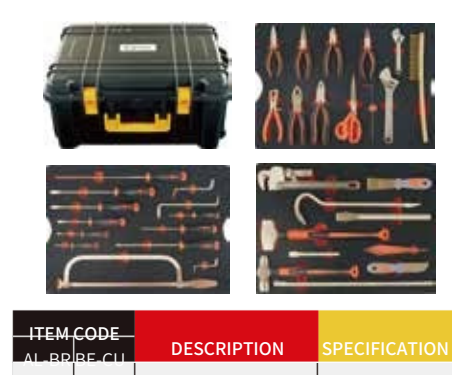
Tool Set-28pcs

Tool Set-36pcs

Tool Set-36pcs

Tool Set-40pcs

Tool Set-50pcs



ITEM CODE	DESCRIPTION	SPECIFICATION
AL16-26	Wrench, Pipe (American Type)	450mm 250mm
BE16-26	Wrench, Adjustable	200mm 150mm
	Hammer, Ball Pein	200mm
	Pliers, Lineman	200mm
	Pliers, Snipe Nose	200mm
	Slotted Screwdriver	4*75mm 3*200mm
	Phillips Screwdriver	5*100mm
	Valve Handle	30*27mm 27*24mm
	Wrench, Double Box Offset	24*22mm 22*19mm
	Wrench, Combination	19*17mm 17*14mm
	Wrench, Double Open End	24*27mm 22*24mm
	Wrench, Adjustable	19*22mm 17*19mm
	Tool Case	

ITEM CODE	DESCRIPTION	SPECIFICATION
AL18-28	Phillips Screwdriver	#1*100mm (2pcs)
BE18-28	Slotted Screwdriver	#2*150mm (2pcs) 5*100mm
	Wrench, Combination	(2pc) 19 22 24 27 30 32 36 mm
	Wrench, Adjustable	24*200mm
	Wrench, Pipe (American Type)	30*250mm 36*300mm
	Wrench, Pipe (American Type)	40*450mm
	Wrench, Pipe (American Type)	50*350mm 75*600mm
	Pliers, Lineman	8"(2pcs)
	Tool Case	

ITEM CODE	DESCRIPTION	SPECIFICATION
AL20-36	Wrench, Double Open End	10*12 12*14 14*17
BE20-36	Wrench, Combination	17*19 19*22 22*24 24*27 27*30,30*32)
	Wrench, Combination	(each 3pcs) 10 13 16 30 32) mm
	Wrench, Pipe (American Type)	300mm
	Wrench, Pipe (American Type)	450mm
	Wrench, Adjustable	450g
	Hammer, Ball Pein	
	Hammer, Ball Pein	
	Tool Case	

ITEM CODE	DESCRIPTION	SPECIFICATION
AL21-36	Tweezer, Neat Tips	200mm
BE21-36	Marking Tool	187mm
	Knife	193mm
	Scissors	225mm
	Hacksaw Frame	500mm
	Hacksaw Blade	300mm
	Knife, Putty	40*200mm
	Brush	350*28mm
	Slotted Screwdriver	4*75mm 6*100mm
	Slotted Offset Screwdriver	8*150mm 8*200mm
	Phillips Screwdriver	6*72mm
	Phillips Screwdriver	8*125mm 10*196mm
	Phillips Screwdriver	#1*75mm #2*125mm
	Phillips Screwdriver	#3*200mm #4*300mm
	Pliers, Adjustable Combination	200mm
	Pliers, Flat Nose	150mm
	Pliers, Snipe Nose	150mm
	Pliers, Diagonal Cutting	150mm
	Wire Stripping Pliers	170mm
	Pliers, Round Nose	150mm
	Pliers, Lineman	200mm
	Wrench, Adjustable	150mm 250mm
	Wrench, Pipe (American Type)	350mm
	Hammer, Ball Pein	0.68kg
	Club Hammer	4LB
	Chisel, Flat	16*160mm
	Bar	25*300mm
	Bar, Wrecking	15*500mm
	Tool Case	400mm



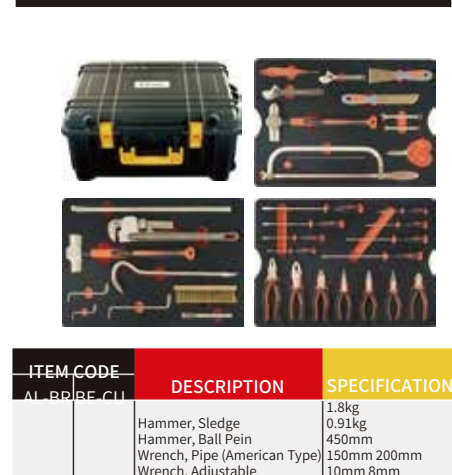
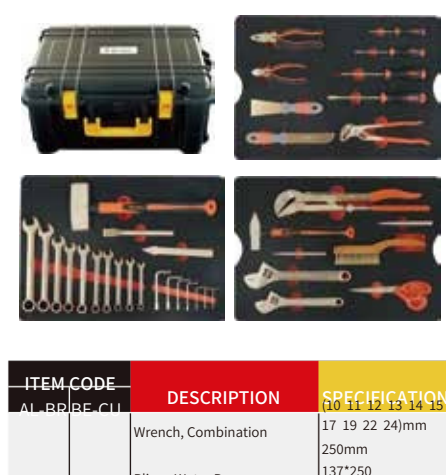
ITEM CODE	DESCRIPTION	SPECIFICATION
AL25-50	Hammer, Sledge	1.8kg
BE25-50	Hammer, Ball Pein	0.91kg
	Hammer, Claw	0.45kg
	Wrench, Pipe (American Type)	300mm
	Wrench, Adjustable	450mm
	Wrench, Adjustable	200mm*24mm 300mm*36mm
	Wrench, Combination	8mm 10mm 12mm 14mm 17mm 19mm 22mm 24mm 27mm 30mm 32mm 200mm 200mm
	Pliers, Lineman	200mm
	Pliers, Snipe Nose	Φ25*500mm
	Pliers, Adjustable Combination	Φ25*300mm
	Bar	Φ20*300mm
	Chisel, Flat	5*100mm
	Punch, Machinists'	8*200mm
	Slotted Screwdriver	#1*100mm #3*200mm
	Phillips Screwdriver	400mm 250mm 500mm 300mm
	Valve Handle	300mm
	Knife	10mm
	Hacksaw Frame	11mm
	Hacksaw Blade	12mm
	Socket (1/2")	14mm 17mm 19mm 22mm 24mm 27mm 30mm 32mm
	Ratchet Wrench	250mm
	Driver Extension	1/2"
	Speed Handle	25*200mm
	Sliding T Handle	
	Universal Joint	
	Knife, Putty	
	Tool Case	

Tool Set-28pcs

Tool Set-34pcs

Tool Set-37pcs

Tool Set-36pcs



ITEM CODE	DESCRIPTION	SPECIFICATION
AL17-28	Hammer, Sledge	1.8kg
BE17-28	Hammer, Ball Pein	0.91kg
	Hammer, Claw	0.45kg
	Wrench, Pipe (American Type)	300mm 450mm
	Wrench, Adjustable	200mm 150mm
	Wrench, Combination	22 24 27 30 32) mm
	Pliers, Lineman	200mm
	Pliers, Snipe Nose	200mm
	Pliers, Adjustable	200mm
	Combination Bar	Φ25*500mm
	Chisel, Flat	16*160mm
	Slotted Screwdriver	4*75mm 3*50mm
	Phillips Screwdriver	#1*100 #3*200mm
	Valve Handle	400mm
	Tool Case	

ITEM CODE	DESCRIPTION	SPECIFICATION
AL19-34	Wrench, Double Open End	12*13 4*15 16*18
BE19-34	Wrench, Hex Key	17*19 20*22 21*23 24*27 27*30 32*36)mm
	Wrench, Hex Key	1/16" 3/32"
	Wrench, Hex Key	(2 3 4 5 6 8 10)mm
	Slotted Screwdriver	8*150mm 5*100mm
	Phillips Screwdriver	4*75mm 3*50mm
	Phillips Screwdriver	5*100mm 6*150mm
	Tweezer, Neat Tips	150mm
	Pliers, Water Pump	250mm
	Wrench, Adjustable	6"
	Pliers, Diagonal Cutting	6"
	Pliers, Snipe Nose	
	Tool Case	

ITEM CODE	DESCRIPTION	SPECIFICATION
AL23-37	Wrench, Combination	17 19 22 24)mm
BE23-37	Pliers, Water Pump	250mm
	Knife	137*250
	Knife, Putty	50*203mm
	Brush, Shoe handle	4*16
	Wrench, Hex Key	(2 3 4 5 6 8 10)mm
	Pliers, Lineman	200mm
	Pliers, Diagonal Cutting	150mm
	Wrench, Swedish Type 45°	38*430mm
	Wrench, Adjustable	30*250mm 36*300mm
	Hammer, Cross Pein Engineers'	500g
	Hammer, Sledge (German Type)	2000g
	Slotted Screwdriver	100*5 150*8
	Screwdriver	75mm
	Phillips Screwdriver	150mm
	Screwdriver	20*200mm
	Chisel, Flat	200mm
	Chisel, Cross	5*11*150mm
	Cutting Punch	8*14*150mm
	Scissors	225mm
	Tool Case	

ITEM CODE	DESCRIPTION	SPECIFICATION
AL22-36	Hammer, Sledge	1.8kg
BE22-36	Hammer, Ball Pein	0.91kg
	Wrench, Pipe (American Type)	450mm
	Wrench, Adjustable	150mm 200mm
	Wrench, Combination	10mm 8mm 200mm 150mm
	Pliers, Lineman	150mm
	Pliers, Snipe Nose	
	Pliers, Adjustable Combination	200mm
	Pliers, Round Nose	200mm
	Pliers, Flat Nose	200mm
	Pliers, Diagonal Cutting	200mm
	Wire Stripping Pliers	170mm
	Wrench, Adjustable	150mm 250mm
	Wrench, Pipe (American Type)	350mm
	Hammer, Ball Pein	0.68kg
	Club Hammer	4LB
	Chisel, Flat	16*160mm
	Bar	25*300mm
	Bar, Wrecking	15*500mm
	Tool Case	400mm

ITEM CODE	DESCRIPTION	SPECIFICATION
AL24-40	Hammer, Sledge	1.8kg
BE24-40	Hammer, Claw	1kg
	Hammer, Ball Pein	0.23kg
	Wrench, Pipe (American Type)	0.45kg
	Wrench, Adjustable	200mm
	Pliers, Lineman	150mm 250mm
	Pliers, Snipe Nose	150mm
	Pliers, Flat Nose	150mm
	Pliers, Diagonal Cutting	150mm
	Pliers, Adjustable Combination	150mm
	Pincers	150mm
	Shears, Cutting	200mm
	Slotted Screwdriver	150mm
	Phillips Screwdriver	4*75mm 5*100mm 6*150mm
	Phillips Screwdriver	#1*75mm
	Phillips Screwdriver	#2*150mm
	Slotted Offset Screwdriver	6*72mm 8*125mm 10*196mm
	Wrench, Hex Key	3mm,4mm 5mm,6mm 7mm,8mm
	Chisel Hex/6 Point	16*160mm
	Bar, Wrecking	250mm
	Knife	250mm
	Knife, Putty	25*203mm
	Tweezer, Neat Tips	150mm
	File, Triangle	200mm 6*250mm
	Hearing Needle	Φ4*252mm
	Marking Tool	370mm
	Hand saw	500mm
	Hacksaw Frame	300mm
	Hacksaw Blade	6*16
	Brush, Flat Back, Scratch	
	Tool Case	

Tool Set-62pcs

Tool Set-68pcs

Tool Set-85pcs



ITEM CODE	DESCRIPTION	SPECIFICATION
AL26-62	Wrench, Adjustable	200mm 250mm 300mm
BE26-62	Wrench, Combination	8mm 10mm 12mm 14mm 17mm 19mm 22mm 24mm 27mm
	Wrench, Combination	3/8" 1/2" 9/16" 5/8" 11/16" 3/4" 13/16" 7/8" 1"
	Wrench, Pipe (American Type)	200mm 350mm 250mm
	Pliers, Groove Joint	150mm
	Pliers, Adjustable Combination	200mm 200mm
	Pliers, Lineman	150mm
	Pliers, Snipe Nose	4*75mm
	Slotted Screwdriver	5*100mm 6*150mm 8*200mm
	Phillips Screwdriver	#1*75mm #1*100mm #2*150mm #3*200mm 400mm Φ19*500
	Bar, Wrecking	250mm
	Bar, Pinch	40*203mm
	Knife	50*203mm
	Knife, Putty	65*203mm 350mm 385mm
	Scraper, Deck	16*160mm
	Wrench, Bung	18*200mm
	Chisel, Flat	0.5kg 1kg 0.45kg 8mm
	Hammer, Cross Pein Engineers'	10mm
	Hammer, Claw	13mm
	Socket (1/2")	14mm 16mm 17mm 19mm 21mm 22mm 26mm 200mm 245mm 250mm
	Driver Extension	
	Ratchet Wrench	
	Hinged Handle	
	Tool Case	

ITEM CODE	DESCRIPTION	SPECIFICATION
AL27-68	Socket (1/2")	8mm 10mm 12mm 13mm 15mm 16mm 17mm 18mm 19mm 22mm 24mm 27mm 30mm 1/4*8 1/4*10 1/2**12mm 1/2**80 1/2***245 1/2***100
BE27-68	Internal Hexagon Socket	18*150 8*125mm 10*196mm
	Universal Joint	
	Ratchet Wrench	
	Driver Extension	
	Wrench, Adjustable	36*300
	Wrench, Combination	7mm 8mm 10mm 12mm 13mm 15mm 16mm 17mm 18mm 19mm 22mm 24mm 27mm 30mm
	Wrench, Hex Key	2mm 3mm 4mm 5mm 6mm 7mm 8mm 9mm 10mm 11mm 12mm
	Hammer, Ball Pein	340g
	Hammer, Sledge	1000g
	Knife, Common	185mm
	Scraper, Flat	30*200mm
	Punch, Machinists'	14*150mm 6*12*115
	Drift Cylindrical	8*14*120 10*16*145 200mm
	Pliers, Lineman	6"
	Pliers, Diagonal Cutting	10"
	Pliers, Slip Joint	6"
	Pliers, Snipe Nose	100*4mm 75*4mm
	Slotted Screwdriver	100*5mm 150*6mm 200*8mm
	Phillips Screwdriver	100mm 125mm 200mm 300mm
	Tool Case	

ITEM CODE	DESCRIPTION	SPECIFICATION
AL28-85	Tweezer, Neat Tips	150mm
BE28-85	Marking Tool	200mm
	Knife	187mm
	Scissors	193mm
	Hacksaw Frame	225mm
	Hacksaw Blade	500mm
	Knife, Putty	300mm
	Brush	40*200mm
	Slotted Screwdriver	4*19 3*50mm 6*150mm 6*100mm 8*150mm 8*200mm 6*72mm 8*125mm 10*196mm
	Phillips Screwdriver	#1*75 #2*125 #3*200 #3*250
	Pliers, Adjustable Combination	200mm
	Pliers, Flat Nose	150mm
	Pliers, Snipe Nose	150mm
	Pliers, Diagonal Cutting	150mm
	Wire Stripping Pliers	170mm
	Pliers, Round Nose	150mm
	Pliers, Lineman	200mm
	Wrench, Adjustable	150mm 250mm
	Wrench, Pipe (American Type)	350mm
	Hammer, Ball Pein	0.68kg
	Club Hammer	4LB
	Chisel, Flat	16*160 Φ25*300mm Φ15*500mm
	Bar	400mm
	Bar, Wrecking	1/2**245
	Ratchet Wrench	1/2"
	Sliding T Handle	1/2**100
	Driver Extension	1/2**250
	Universal Joint	1/2"
	Socket (1/2")	(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" 7/8" 15/16" 1"
	Wrench, Hex Key	1-1/16" 1-1/4"
	Wrench, Hex Key	(1.5 2 2.5 3 4 5 6 8 10) mm 1/16", 5/64" 3/32", 1/8" 5/32", 3/16" 7/32", 1/4" 5/16", 3/8" 7/16"
	Tool Case	

Brass Hammer, Sledge

Brass Hammer, Sledge

Brass Hammer, Sledge (German Type)



ITEM CODE	SIZE	N.W. (g)
BR2101A-1002	1 300	450
BR2101A-1004	2 350	910
BR2101A-1006	3 400	1400
BR2101A-1008	4 400	1800
BR2101A-1010	5 400	2250
BR2101A-1012	6 700	2700
BR2101A-1014	8 700	3600
BR2101A-1016	10 900	4500
BR2101A-1018	12 900	5400
BR2101A-1020	14 900	6400
BR2101A-1022	16 900	7200
BR2101A-1024	20 900	9000

ITEM CODE	SIZE	N.W. (g)
BR2101B-1002	1 310	450
BR2101B-1004	2 320	910
BR2101B-1006	3 360	1400
BR2101B-1008	4 380	1800
BR2101B-1010	5 400	2250
BR2101B-1012	6 400	2700
BR2101B-1014	8 700	3600
BR2101B-1016	10 800	4500
BR2101B-1018	12 800	5400
BR2101B-1020	14 800	6400
BR2101B-1022	16 900	7200
BR2101B-1024	20 900	9000

ITEM CODE	SIZE	N.W. (g)
BR2104A-1002	500 310	500
BR2104A-1004	1000 350	1000
BR2104A-1006	1500 400	1500
BR2104A-1008	1800 400	1800
BR2104A-1010	2000 400	2000
BR2104A-1012	2700 700	2700
BR2104A-1014	3600 700	3600
BR2104A-1016	4000 900	4000
BR2104A-1018	5000 900	5000

Brass Hammer, Mallet

Brass Hammer, Mallet

Brass Hammer, Sledge (German Type)



ITEM CODE	SIZE	N.W. (g)
BR2102A-1002	1 300	450
BR2102A-1004	2 350	910
BR2102A-1006	3 400	1400
BR2102A-1008	5 400	2250
BR2102A-1010	6 700	2700
BR2102A-1012	8 700	3600
BR2102A-1014	10 900	4500
BR2102A-1016	15 900	6750

ITEM CODE	SIZE	N.W. (g)
BR2102B-1002	1 310	450
BR2102B-1004	2 320	910
BR2102B-1006	3 360	1400
BR2102B-1008	5 400	2250
BR2102B-1010	6 400	2700
BR2102B-1012	8 700	3600
BR2102B-1014	10 800	4500
BR2102B-1016	15 800	6750

ITEM CODE	SIZE	N.W. (g)
BR2104B-1002	500 310	500
BR2104B-1004	1000 320	1000
BR2104B-1006	1500 360	1500
BR2104B-1008	1800 380	1800
BR2104B-1010	2000 380	2000
BR2104B-1012	2700 400	2700
BR2104B-1014	3600 700	3600
BR2104B-1016	4000 800	4000
BR2104B-1018	5000 800	5000

Brass Hammer, Drum Type

Brass Hammer, Drum Type

Brass Hammer, Ball Pein



ITEM CODE	SIZE	N.W. (g)
BR2103A-1002	1/2 280	230
BR2103A-1004	1 310	450
BR2103A-1006	1-1/2 340	680
BR2103A-1008	2 350	910
BR2103A-1010	3 400	1400
BR2103A-1012	4 400	1800
BR2103A-1014	5 400	2250
BR2103A-1016	6 700	2700
BR2103A-1018	8 700	3600
BR2103A-1020	10 900	4500

ITEM CODE	SIZE	N.W. (g)
BR2103B-1002	1/2 280	230
BR2103B-1004	1 300	450
BR2103B-1006	1-1/2 320	680
BR2103B-1008	2 320	910
BR2103B-1010	3 360	1400
BR2103B-1012	4 360	1800
BR2103B-1014	5 400	2250
BR2103B-1016	6 400	2700
BR2103B-1018	8 700	3600
BR2103B-1020	10 800	4500

ITEM CODE	SIZE	N.W. (g)
BR2105A-1002	1/2 280	230
BR2105A-1004	3/4 280	340
BR2105A-1006	1 280	450
BR2105A-1008	1-1/2 310	680
BR2105A-1010	2 340	910
BR2105A-1012	2-1/2 350	1130

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Brass Hammer, Ball Pein



ITEM CODE Brass	SIZE		N.W. (g) Brass
	Size(lb) L (mm)		
BR2105B-1002	1/2	300	230
BR2105B-1004	3/4	300	340
BR2105B-1006	1	300	450
BR2105B-1008	1-1/2	325	680
BR2105B-1010	2	365	910
BR2105B-1012	2-1/2	365	1130

Brass Flat Hammer (Euro Type)



ITEM CODE Brass	SIZE		N.W. (g) Brass
	Size(lb) L (mm)		
BR2107A-1002	1	310	450
BR2107A-1004	2	350	910
BR2107A-1006	3	400	1400
BR2107A-1008	5	400	2250
BR2107A-1010	6	700	2700
BR2107A-1012	8	700	3600
BR2107A-1014	10	900	4500
BR2107A-1016	15	900	6750

Pliers, Adjustable Combination



ITEM CODE Brass	SIZE		N.W. (g) Brass
	L (inch) L (mm)		
BRB101-1002	6	150	170

Pliers, Adjustable Combination



ITEM CODE Brass	SIZE		N.W. (g) Brass
	L (inch) L (mm)		
BRB102-1002	8	200	260

Pliers, Snipe Nose



ITEM CODE Brass	SIZE		N.W. (g) Brass
	L (inch) L (mm)		
BRB103-1002	8	200	200

Pliers, Round 45 Degree Bent



ITEM CODE Brass	SIZE		N.W. (g) Brass
	L (inch) L (mm)		
BRB104-1002	8	200	200

Sprue Puller Curred Head



ITEM CODE Brass	SIZE		N.W. (g) Brass
	L (inch) L (mm)		
BRB105-1002	7	175	230

Sprue Puller Serrated Jaw



ITEM CODE Brass	SIZE		N.W. (g) Brass
	L (inch) L (mm)		
BRB106-1002	7	175	170

Sprue Puller Serrated Jaw



ITEM CODE Brass	SIZE		N.W. (g) Brass
	L (inch) L (mm)		
BRB107-1002	10	250	450

Pliers, Groove Joint



ITEM CODE Brass	SIZE		N.W. (g) Brass
	L (inch) L (mm)		
BRB108-1002	10	250	410

Knife, Putty, Long Wood Hand



ITEM CODE Brass	SIZE		N.W. (g) Brass
	B (mm) L (mm)		
BRB201-1002	80	310	200

Knife, Putty, Bakelite Handle



ITEM CODE Brass	SIZE		N.W. (g) Brass
	B (mm) L (mm)		
BRB205-1002	75	200	130

Knife, Putty, Multi-purpose Bakelite Handle



ITEM CODE Brass	SIZE		N.W. (g) Brass
	B (mm) L (mm)		
BRB206-1002	62	200	100

Knife, Putty, Narrow Blade Bakelite Handle



ITEM CODE Brass	SIZE		N.W. (g) Brass
	B (mm) L (mm)		
BRB207-1002	32	200	100

Copper Hammer, Sledge



ITEM CODE COPPER	SIZE		N.W. (g) COPPER
	Size(lb) L (mm)		
CO2201A-1002	1	300	450
CO2201A-1004	2	350	910
CO2201A-1006	3	400	1400
CO2201A-1008	4	400	1800
CO2201A-1010	5	400	2250
CO2201A-1012	6	700	2700
CO2201A-1014	8	700	3600
CO2201A-1016	10	900	4500
CO2201A-1018	12	900	5400
CO2201A-1020	14	900	6400
CO2201A-1022	16	900	7200
CO2201A-1024	20	900	9000

Copper Hammer, Mallet



ITEM CODE COPPER	SIZE		N.W. (g) COPPER
	Size(lb) L (mm)		
CO2202A-1002	1	300	450
CO2202A-1004	2	350	910
CO2202A-1006	3	400	1400
CO2202A-1008	5	400	2250
CO2202A-1010	6	700	2700
CO2202A-1012	8	700	3600
CO2202A-1014	10	900	4500
CO2202A-1016	15	900	6750

Copper Hammer, Drum Type



ITEM CODE COPPER	SIZE		N.W. (g) COPPER
	Size(lb) L (mm)		
CO2203A-1002	1/2	280	230
CO2203A-1004	1	300	450
CO2203A-1006	1-1/2	340	680
CO2203A-1008	2	350	910
CO2203A-1010	3	400	1400
CO2203A-1012	4	400	1800
CO2203A-1014	5	400	2250
CO2203A-1016	6	700	2700
CO2203A-1018	8	700	3600
CO2203A-1020	10	900	4500

Copper Hammer, Sledge



ITEM CODE COPPER	SIZE		N.W. (g) COPPER
	Size(lb) L (mm)		
CO2201B-1002	1	310	450
CO2201B-1004	2	320	910
CO2201B-1006	3	360	1400
CO2201B-1008	4	380	1800
CO2201B-1010	5	400	2250
CO2201B-1012	6	400	2700
CO2201B-1014	8	700	3600
CO2201B-1016	10	800	4500
CO2201B-1018	12	800	5400
CO2201B-1020	14	800	6400
CO2201B-1022	16	900	7200
CO2201B-1024	20	900	9000

Copper Hammer, Mallet



ITEM CODE COPPER	SIZE		N.W. (g) COPPER
	Size(lb) L (mm)		
CO2202B-1002	1	310	450
CO2202B-1004	2	320	910
CO2202B-1006	3	360	1400
CO2202B-1008	5	400	2250
CO2202B-1010	6	400	2700
CO2202B-1012	8	700	3600
CO2202B-1014	10	800	4500
CO2202B-1016	15	800	6750

Copper Hammer, Drum Type



ITEM CODE COPPER	SIZE		N.W. (g) COPPER
	Size(lb) L (mm)		
CO2203B-1002	1/2	280	230
CO2203B-1004	1	300	450
CO2203B-1006	1-1/2	320	680
CO2203B-1008	2	320	910
CO2203B-1010	3	360	1400
CO2203B-1012	4	360	1800
CO2203B-1014	5	400	2250
CO2203B-1016	6	400	2700
CO2203B-1018	8	700	3600
CO2203B-1020	10	800	4500

BRASS TOOLS

COPPER TOOLS