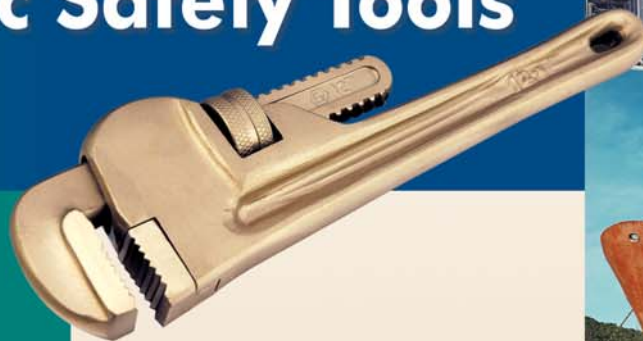


UNITEC

... the power of innovation!®



Non-sparking and Non-magnetic Safety Tools



For Use in Hazardous Environments and all ATEX and Ex Zones



High-quality, Drop-forged Non-magnetic and Non-sparking Safety Tools



Hammers, Wrenches, Sockets and More

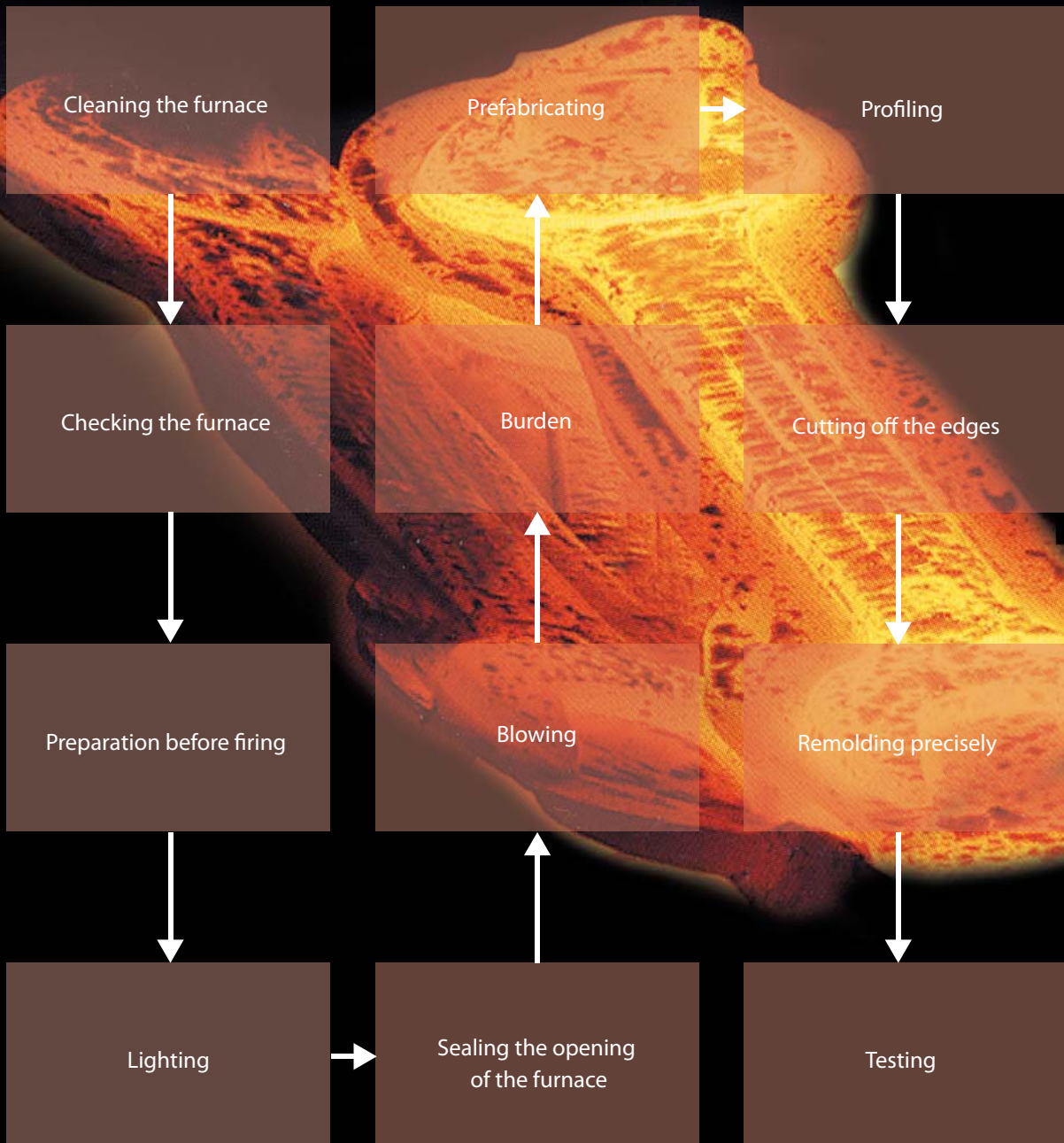


UNITEC Safety Tools

Make your workplace safer...
with the right tools

Non-sparking Safety Tools
Aluminum Bronze (AlBr) or
Copper Beryllium (CuBe₂)

Advanced forging technology ensures the high quality and refined appearance of all our products.
The liquid forging technology procedures are as follows:





CS Unitec Non-sparking, Non-magnetic Safety Tools Aluminum Bronze (AlBr) and Copper Beryllium (CuBe₂)

CS Unitec's Non-sparking, Non-magnetic Hand Tools are manufactured from special Aluminum-Bronze or Copper-Beryllium alloys for safe use in Ex zones where hazardous, flammable or combustible vapors, liquids, dusts or residues may be present.

Our line of safety tools consists of hammers, flange wedges, striking wrenches, impact sockets, screwdrivers, shovels and other hand tools. They comply with ATEX Directives for Ex Zones 0, 1 and 2 (Flammable Gas, Mists or Vapors); Zones 20, 21 and 22 (Combustible Dusts); and M1 and M2 for mining. Each tool is laser engraved with the proper Ex Zone classifications, indicating the zones for which it can be used.

Aluminum Bronze and Copper Beryllium Non-sparking Safety Tools from CS Unitec are specifically designed to eliminate the risk of sparks at sites where explosive atmospheres may be present.

Appropriate applications include oil drilling platforms, petrochemical plants, oil refineries, natural gas installations, ammunition plants, varnish factories, sugar refineries, grain silos, mining and other industries where non-sparking safety tools are required. The non-magnetic feature of these alloys also makes them ideal for working on special machinery with powerful magnets such as MRI machines, military de-mining and explosives.

CS Unitec's safety tools are drop forged for the highest quality in hand tools. These corrosion-resistant tools are suitable for use in shipyards, laboratories, and paper and pulp mills, as well as in the pharmaceutical, food product manufacturing and wine industries.

We also offer ATEX-approved air and hydraulic power tools for use in Ex zones. See page 74 for more information.

ATEX • DNV

ISO 9001

**BUREAU VERITAS
Certification**



CS Unitec, Inc.
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Visit our web site: www.csunitec.com for more information

CS Unitec offers a complete line of High-quality Non-sparking, Non-magnetic and Non-corrosive Safety Tools. CS Unitec is a leader in special Copper Alloy Safety Hand Tools manufactured for use in any high-risk area where a spark can create a disaster.

CS Unitec Non-sparking Safety Tools are recommended for use where hazardous, flammable or combustible vapors, liquids, dusts or residues are present and should be used by all industrial safety programs. CS Unitec Non-sparking Safety Tools are an inexpensive investment for your company.

CS Unitec Non-magnetic Safety Tools are tested according to NATO specification STANAG 2897 Annex C, where the magnetic value is measured in Nano Tesla. This enables our Tools to be used around sensitive magnetic equipment, including scanners, de-mining, disarming, etc. Our Tools are NATO stock numbered.

CS Unitec Corrosion-resistant Safety Tools are the ideal choice when working in marine and offshore environments. Corrosion and rust can be extremely dangerous in hazardous environments. Impacts involving rust can initiate a thermal reaction which can cause an ignition in an explosive atmosphere.

It is important that the user of CS Unitec Safety Tools keeps the Tools in clean working order. Like other personal protection equipment, it is each user's duty to inspect the Tools before use.

We offer over 3000 individual Tools made from Special Solid Copper-based Alloyed Tools. We manufacture and supply our Safety Tools in two different alloys: Copper-Beryllium Alloy (CuBe₂) and a Special Aluminum-Bronze Alloy (AlBr).

International Regulation for Work in Ex or ATEX zones demands the right equipment. CS Unitec Copper-Beryllium Tools (CuBe₂) fulfill the demand in the ATEX directive for work in Zone 0, 1 and 2 (Gas, Mists or Vapors); Zones 20, 21 and 22 (Dusts); and M1 and M2 for mining.

CS Unitec Aluminum-Bronze Tools (AlBr) fulfill the demand in the ATEX directive for work in Zones 1 and 2 (Gas, Mists or Vapors), plus Zones 21 and 22 (Dusts).

Gas, Mists or Vapors

- Zone 0 - An atmosphere where a mixture of air and flammable substances in the form of gas, vapor or mist is present frequently, continuously or for long periods.
- Zone 1 - An atmosphere where a mixture of air and flammable substances in the form of gas, vapor or mist is likely to occur in normal operation occasionally.
- Zone 2 - An atmosphere where a mixture of air and flammable substances in the form of gas, vapor or mist is not likely to occur in normal operation but, if it does occur, will persist for only a short period.

Dusts

- Zone 20 - An atmosphere where a cloud of combustible dust in the air is present frequently, continuously or for long periods.
- Zone 21 - An atmosphere where a cloud of combustible dust in the air is likely to occur in normal operation occasionally.
- Zone 22 - An atmosphere where a cloud of combustible dust in the air is not likely to occur in normal operation but, if it does occur, will persist for only a short period.

All CS Unitec Safety Tools are laser engraved according to Ex/ATEX classifications and our own marking procedure.

Quality control, testing and customer service are a priority.

The manufacture of our safety tools is ISO9001:2000 certified, and our Tools are recommended and certified by several international organizations such as BVQI, DNV and Force Technologies.

Our Safety Tools are continuously spark-proof tested according to strict test procedure (CST Test).

Because of the heat treatment processes, our Copper-Beryllium Tools (CuBe₂) have a Rockwell C hardness between 33 - 45. CS Unitec Aluminum-Bronze Tools have a Rockwell C Hardness between 23 - 35.

All CS Unitec Safety Tools have a lifetime warranty against breakage or performance failure under normal use.

All Box/Ring Ended CS Unitec Safety Tools are manufactured with a Round Corner.

CS Unitec's Round Corner design prevents damage to the bolt head and provides very high tensile strength.

All our pliers and screwdrivers have an ergonomic, two-component handle. A unique handle grip design prevents slipping.

Drop-forged construction ensures high strength and long life. Tools are designed according to DIN Standards.

If you don't see it, ask. CS Unitec offers custom designs upon request.

There is a CS Unitec Safety Tool Kit for any job:

- Socket Sets
- Wall-mounted CS Unitec Tool Kit
- Custom-designed Tool Kit
- Wood Boxes

Safety standards for grinding Copper-Beryllium Alloys, or for other operations that may generate dust, are established by OSHA and recorded in the Code of Federal Regulations 29 CFR 1910.134 and 1910.1000.

CS Unitec Safety Tools must only be ground or reshaped by companies approved for grinding such material, according to OSHA regulations.

MSDS (Safety Data Sheet) / Bulletin can be provided upon request or can be downloaded from our web site: www.csunitec.com

ATEX information:
<http://ec.europa.eu/enterprise/atex/guide/>

Exact appearance and/or specifications subject to change without notice.

CS Unitec Safety Tools should not be used in contact with acetylene. Acetylene may react with copper to form explosive acetylides. Tools containing less than fifty percent copper may be used in an acetylene environment. Visit www.csunitec.com for safety information.

CS Unitec Non-sparking Safety Tools are recommended for use where hazardous, flammable or combustible vapors, liquids, dusts or residues are present and should be used by all industrial safety programs. CS Unitec Non-sparking Safety Tools are an inexpensive investment for your company.

The following industries should use CS Unitec Safety Tools because of their Non-sparking properties:

Manufacturing Industries:

- Alcohol Industries
- Ammunition, Missile & Explosives Plants
- Automotive Plants
- Breweries & Distilleries
- Chemical Manufacturing
- Flammable Materials Manufacturing
- Flour Mills
- Furniture Manufacturers (Varnish and Painting)
- Gas Plants
- Glue Factories
- Ink Industries
- Liquefied Petroleum Gases (LPG)
- Mining
- Nuclear Products
- Oil & Natural Gas Drilling, Refining & Handling
- Paint, Lacquer & Varnish Products
- Paper and Pulp Mills
- Petrochemicals
- Petroleum Refining
- Pharmaceutical Industries
- Pipeline Construction & Maintenance
- Plastic Manufacturing
- Sugar Mills
- Synthetic Fiber Manufacturing
- Wine Industries

Transportation Industries and their Maintenance, Cleaning & Service Companies:

- Airports
- Railroads
- Shipyards
- Tankers
- Tanker Trucks
- Vessels
- Workboats

Government Agencies:

- Aircraft & Missile Plants
- Airport (Refueling & Maintenance Operations)
- Armed Forces (Army, Navy, Air Force, Marine Corps, Coast Guard & Civil Support Units)
- Chemical, Biological, Radiological, Nuclear or Explosives Logistical Support Operational Equipment
- Fire Departments, Military Bases
- First Responders to Weapons of Mass Destruction, Firefighters, Public Safety Bomb Squads & Local Rescue Squads
- Hazardous Materials Handling & Clean-up
- Munitions Depots
- Nuclear Production & Waste
- Public Utilities: Gas, Electric & Telecommunication
- Waste Management
- Water Treatment Facilities

Other Industries:

- Cleaning & Spraying Operations
- Confined Space Maintenance
- Explosive & Pyrotechnics
- Geophysical Exploration
- Grain Storage & Handling
- Hazardous Material Handling
- Maintenance & Service Operations
- Paint Spraying, Finishing & Booth Operations
- Packing Plants
- Propane Distributors & Bulk Plants
- Warehousing of all Hazardous Materials

The following industries should use CS Unitec Safety Tools because of their Non-Magnetic properties:

- Aircraft Maintenance & Overhaul
- Aluminum & Other Metal Smelting
- Electronics Manufacturers
- Hospitals & Clinics Magnetic Resonance Imaging (MRI)
- MRI Maintenance
- Mine Sweepers
- Nuclear Products & Testing Machines
- Precision Magnetic Equipment
- Public Utilities: Gas, Electric & Telephone
- Radar Transmission Centers

The following industries should use CS Unitec Safety Tools because of their Corrosion-resistant properties:

- Boat Owners
- Chemical Manufacturing
- Desalination Plants
- Food Product Manufacturing
- Laboratories
- Paper & Pulp Mills
- Petrochemicals
- Pharmaceutical Industry
- Plastic Manufacturing
- Shipyards
- Tankers, Vessels & Other Work Boats
- Wine Industry



CS Unitec Non-sparking Safety Tools are laser engraved with the following information:

- **Ex Zone Classification**
- **Alloy Composition (AlBr or CuBe)**
- **Part Number**
- **Dimensions**

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CS Unitec Striking Tools

- Fiberglass Handle or Wood Handle – your choice.
- Drop forging ensures long tool life.

When ordering, specify:

A = Aluminum Bronze

B = Copper Beryllium

Example: Ex101-0200A

or

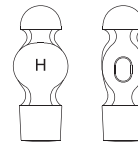
Ex101-0200B

Hammer, Ball Peen Ex101

Hammer, Cross Peen Engineers' Ex102

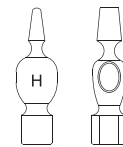
Hammer, Double-face Machinists' Ex103

Hammer, Sledge Ex104



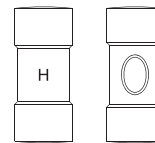
**Ex101
Hammer, Ball Peen**

No.	Ex101-0200	Ex101-0450	Ex101-0500	Ex101-0700	Ex101-0900	Ex101-1000	Ex101-1300
H lbs.	0.44	1.00	1.10	1.54	1.98	2.20	2.49
H kg	0.20	0.45	0.50	0.70	0.90	1.00	1.30



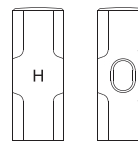
**Ex102
Hammer, Cross Peen
Engineers'**

No.	Ex102-0500	Ex102-0900
H lbs.	1.10	1.98
H kg	0.50	0.90



**Ex103
Hammer, Double-face
Machinists'**

No.	Ex103-0500
H lbs.	1.10
H kg	0.50



**Ex104
Hammer, Sledge**

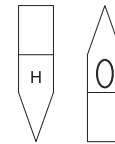
No.	Ex104-1000	Ex104-1500	Ex104-2000	Ex104-2500	Ex104-3000	Ex104-4000	Ex104-5000	Ex104-6000	Ex104-8000	Ex104-10000
H lbs.	2.20	3.31	4.41	5.51	6.61	8.81	11.02	13.23	17.64	22.05
H kg	1.00	1.50	2.00	2.50	3.00	4.00	5.00	6.00	8.00	10.00

**Ex105
 Hammer, Cutoff**



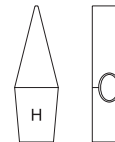
No.	Ex105-1300	Ex105-2000
H lbs.	2.87	4.41
H kg	1.30	2.00

**Ex106
 Hammer, Scaling**



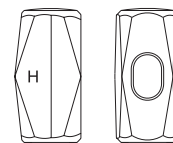
No.	Ex106-0200	Ex106-0400	Ex106-0500	Ex106-0600	Ex106-0900
H lbs.	0.44	0.88	1.10	1.32	1.98
H kg	0.20	0.40	0.50	0.60	0.90

**Ex107
 Wedge, Stone**



No.	Ex107-1000
H lbs.	2.20
H kg	1.00

**Ex108
 Hammer, Club**



No.	Ex108-1000	Ex108-1500	Ex108-2000	Ex108-3000
H lbs.	2.20	3.31	4.41	6.61
H kg	1.00	1.50	2.00	3.00

When ordering, specify:

A = Aluminum Bronze

B = Copper Beryllium

Example: Ex112-0700A

or

Ex112-0700B

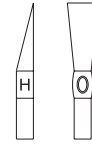
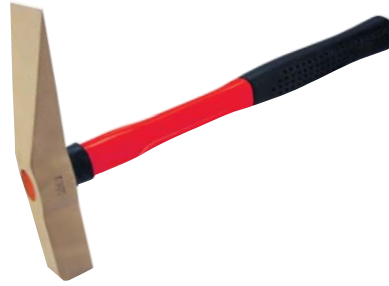
Hammer, Bricklayers' Ex112

Crate Opener Ex113S

Hammer, Plastic Ex121

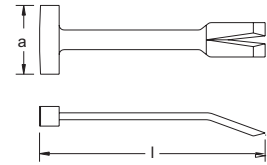
Hammer, Claw Ex122

**Ex112
Hammer, Bricklayers'**



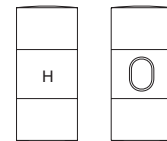
No.	Ex112-0700	Ex112-0900
H lbs.	1.54	1.98
H kg	0.70	0.90

**Ex113S
Crate Opener**



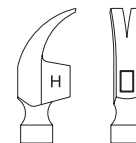
No.	a inch	l inch	Wt. lbs.	a mm	l mm	kg
Ex113S-230	2 ³ / ₄	9 ³ / ₁₆	1.12	70	230	0.51

**Ex121
Hammer, Plastic**



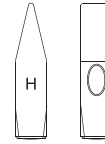
No.	Ex121-0450	Ex121-1000
H lbs.	0.99	2.20
H kg	0.45	1.00

**Ex122
Hammer, Claw**



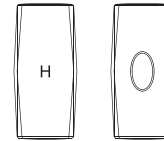
No.	Ex122-0500	Ex122-0700
H lbs.	1.10	1.54
H kg	0.50	0.70

**Ex1041
 Hammer, Cross Peen
 Engineers' / Blacksmiths'**



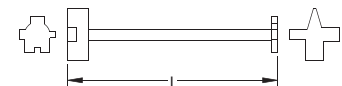
No.	Ex1041-0100	Ex1041-0200	Ex1041-0300	Ex1041-0500	Ex1041-0800	Ex1041-1000	Ex1041-1500	Ex1041-2000
H lbs.	0.22	0.44	0.66	1.10	1.76	2.20	3.31	4.41
H kg	0.10	0.20	0.30	0.50	0.80	1.00	1.50	2.00

**Ex6475
 Hammer, Sledge
 German Type**



No.	Ex6475-1000	Ex6475-1500	Ex6475-2000	Ex6475-2500	Ex6475-3000	Ex6475-4000	Ex6475-5000	Ex6475-6000	Ex6475-8000	Ex6475-10000
H lbs.	2.20	3.31	4.41	5.51	6.61	8.81	11.02	13.23	17.64	22.05
H kg	1.00	1.50	2.00	2.50	3.00	4.00	5.00	6.00	8.00	10.00

**Ex110
 Wrench, Bung**



No.	l inch	Wt. lbs.	l mm	kg
Ex110-400	15 ³ / ₄	4.28	400	1.94

When ordering, specify:

A = Aluminum Bronze

B = Copper Beryllium

Example: Ex110ES-305A

or

Ex110ES-305B

Wrench, Bung, Fits 3/4" & 2" Bungs Ex110ES

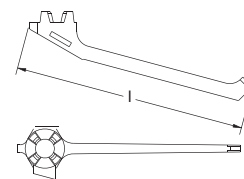
Wrench, Bung, For 22 Different Bungs Ex110S

Hacksaw Frame Ex118A

Hacksaw Blade Ex118B

Ex110ES
Wrench, Bung

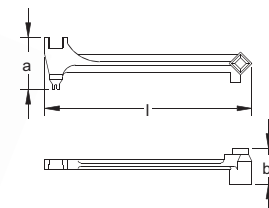
Fits 3/4" & 2" Bungs



No.	l inch	Wt. lbs.	l mm	kg
Ex110ES-305	12 ³ / ₁₆	1.65	305	0.75

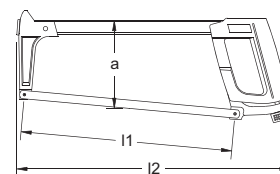
Ex110S
Wrench, Bung

For 22 Different Bungs



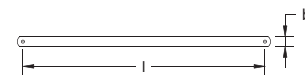
No.	a inch	b inch	l inch	Wt. lbs.	a mm	b mm	l mm	kg
Ex110S-385	3 ¹³ / ₁₆	2 ⁵ / ₈	15 ³ / ₈	4.01	96	66	385	1.82

Ex118A
Hacksaw Frame
AIBr only



No.	a inch	l ₁ inch	l ₂ inch	Wt. lbs.	a mm	l ₁ mm	l ₂ mm	kg
Ex118A-395	5 ¹ / ₈	12	15 ³ / ₄	1.19	128	300	395	0.54

Ex118B
Hacksaw Blade
CuBe only



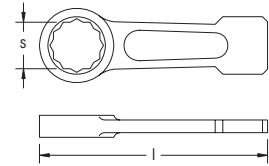
No.	b inch	l inch	Wt. lbs.	b mm	l mm	kg
Ex118B-300	7/16	12	0.04	12	300	0.017



CS Unitec Round Corner Shape

- All Box/Ring-ended CS Unitec Tools are manufactured with CS Unitec's Round Corner.
- CS Unitec's Round Corner design prevents damage to the bolt head.
- Very-high tensile strength due to the design of the CS Unitec Round Corner.

Ex201B
Wrench, Striking, Box
 12-Point (DIN 7444)



No.	S inch	L inch	Wt. lbs.
Ex201B-005U	11/16	59/16	0.40
Ex201B-010U	3/4	59/16	0.40
Ex201B-015U	7/8	63/8	0.49
Ex201B-020U	1	63/8	0.60
Ex201B-025U	1 1/16	73/16	0.77
Ex201B-030U	1 1/8	73/16	0.77
Ex201B-035U	1 3/16	79/16	1.12
Ex201B-040U	1 1/4	79/16	1.12
Ex201B-045U	1 5/16	73/4	1.17
Ex201B-050U	1 3/8	83/16	1.23
Ex201B-055U	1 7/16	83/16	1.23
Ex201B-060U	1 1/2	9	1.79
Ex201B-065U	1 9/16	9	1.79
Ex201B-070U	1 5/8	9	1.79
Ex201B-075U	1 11/16	9	1.79
Ex201B-080U	1 3/4	99/16	2.71
Ex201B-085U	1 13/16	99/16	2.71
Ex201B-090U	1 7/8	99/16	2.71
Ex201B-095U	2	10	2.87
Ex201B-100U	2 1/16	10	3.77
Ex201B-105U	2 1/8	10	3.77
Ex201B-110U	2 3/16	10 3/4	3.77
Ex201B-115U	2 1/4	10 3/4	4.02
Ex201B-120U	2 5/16	10 3/4	4.02
Ex201B-125U	2 3/8	10 3/4	4.25
Ex201B-130U	2 7/16	11 9/16	4.45
Ex201B-135U	2 1/2	11 9/16	4.45
Ex201B-140U	2 9/16	11 9/16	4.45
Ex201B-145U	2 5/8	12 3/4	6.13
Ex201B-150U	2 3/4	12 3/4	6.13
Ex201B-155U	2 13/16	13 3/8	6.44
Ex201B-160U	2 15/16	13 3/8	6.44
Ex201B-165U	3	13 3/8	6.44
Ex201B-170U	3 1/8	13 3/4	7.23
Ex201B-175U	3 1/4	13 3/4	7.23
Ex201B-180U	3 3/8	14	9.24
Ex201B-185U	3 1/2	15	11.42
Ex201B-190U	3 5/8	15	11.42
Ex201B-195U	3 3/4	15 3/8	11.60
Ex201B-200U	3 7/8	16 3/8	13.89
Ex201B-205U	4	16 3/8	13.89
Ex201B-210U	4 1/8	16 9/16	14.66

No.	S mm	L mm	Wt. kg
Ex201B-17	17	140	0.18
Ex201B-18	18	140	0.18
Ex201B-19	19	140	0.18
Ex201B-20	20	160	0.22
Ex201B-21	21	160	0.22
Ex201B-22	22	160	0.22
Ex201B-23	23	160	0.22
Ex201B-24	24	160	0.27
Ex201B-25	25	160	0.27
Ex201B-26	26	180	0.35
Ex201B-27	27	180	0.35
Ex201B-28	28	180	0.35
Ex201B-29	29	190	0.51
Ex201B-30	30	190	0.51
Ex201B-31	31	190	0.51
Ex201B-32	32	195	0.53
Ex201B-33	33	195	0.53
Ex201B-34	34	205	0.56
Ex201B-35	35	205	0.56
Ex201B-36	36	205	0.56
Ex201B-37	37	205	0.56
Ex201B-38	38	225	0.81
Ex201B-41	41	225	0.81
Ex201B-42	42	225	0.81
Ex201B-46	46	240	1.23
Ex201B-47	47	240	1.23
Ex201B-50	50	250	1.30
Ex201B-52	52	250	1.71
Ex201B-55	55	270	1.71
Ex201B-60	60	270	1.93
Ex201B-65	65	290	2.02
Ex201B-70	70	320	2.78
Ex201B-75	75	335	2.92
Ex201B-80	80	340	3.28
Ex201B-85	85	345	4.19
Ex201B-90	90	375	5.18
Ex201B-95	95	380	5.26
Ex201B-100	100	405	6.30
Ex201B-105	105	410	6.65

When ordering, specify:

A = Aluminum Bronze

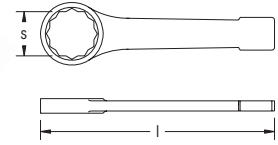
B = Copper Beryllium

Example: EX201-005UA

or

EX201-005UB

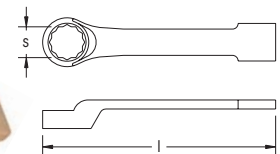
Ex201
Wrench, Single End, Box
12-Point



No.	S inch	I inch	Wt. lbs.
Ex201-005U	1/2	7	0.33
Ex201-010U	9/16	7	0.33
Ex201-015U	19/32	7	0.33
Ex201-020U	5/8	7	0.33
Ex201-025U	11/16	7 ^{1/16}	0.33
Ex201-030U	3/4	7 ^{3/8}	0.55
Ex201-035U	25/32	8	0.82
Ex201-040U	13/16	8	0.82
Ex201-045U	7/8	8	0.82
Ex201-050U	15/16	8 ^{3/8}	1.10
Ex201-055U	31/32	8 ^{3/8}	1.10
Ex201-060U	1	8 ^{3/8}	1.10
Ex201-065U	1 ^{1/16}	8 ^{3/8}	1.10
Ex201-070U	1 ^{1/8}	8 ^{3/8}	1.39
Ex201-075U	1 ^{3/16}	8 ^{3/8}	1.39
Ex201-080U	1 ^{1/4}	8 ^{9/16}	1.52
Ex201-085U	15/16	9	1.74
Ex201-090U	1 ^{3/8}	9	1.74
Ex201-095U	1 ^{7/16}	9	1.74
Ex201-100U	1 ^{1/2}	9	1.74
Ex201-105U	19/16	9 ^{9/16}	2.36
Ex201-110U	1 ^{5/8}	9 ^{9/16}	2.36
Ex201-115U	1 ^{11/16}	10 ^{3/16}	2.43
Ex201-120U	1 ^{3/4}	10 ^{3/16}	2.43
Ex201-125U	1 ^{13/16}	10 ^{3/16}	2.43
Ex201-130U	1 ^{7/8}	10 ^{3/16}	2.43
Ex201-135U	2	10 ^{9/16}	2.49
Ex201-140U	2 ^{1/16}	11 ^{3/16}	2.91
Ex201-145U	2 ^{1/8}	11 ^{3/16}	2.91
Ex201-150U	2 ^{3/16}	11 ^{3/16}	2.91
Ex201-155U	2 ^{1/4}	11 ^{9/16}	3.24
Ex201-160U	2 ^{5/16}	11 ^{9/16}	3.24
Ex201-165U	2 ^{3/8}	11 ^{9/16}	3.24
Ex201-170U	2 ^{7/16}	12 ^{9/16}	4.21
Ex201-175U	2 ^{1/2}	12 ^{9/16}	4.21
Ex201-180U	2 ^{9/16}	12 ^{9/16}	4.21

No.	S mm	I mm	kg
Ex201-14	14	177	0.15
Ex201-15	15	177	0.15
Ex201-16	16	177	0.15
Ex201-17	17	185	0.15
Ex201-18	18	185	0.25
Ex201-19	19	200	0.25
Ex201-20	20	200	0.37
Ex201-21	21	200	0.37
Ex201-22	22	200	0.37
Ex201-23	23	210	0.50
Ex201-24	24	210	0.50
Ex201-25	25	210	0.50
Ex201-26	26	210	0.50
Ex201-27	27	210	0.50
Ex201-28	28	210	0.63
Ex201-29	29	210	0.63
Ex201-30	30	210	0.63
Ex201-32	32	215	0.69
Ex201-33	33	225	0.79
Ex201-34	34	225	0.79
Ex201-35	35	225	0.79
Ex201-36	36	225	0.79
Ex201-37	37	240	1.07
Ex201-38	38	240	1.07
Ex201-41	41	240	1.07
Ex201-42	42	240	1.07
Ex201-46	46	255	1.10
Ex201-47	47	265	1.13
Ex201-50	50	265	1.13
Ex201-52	52	280	1.32
Ex201-54	54	280	1.32
Ex201-55	55	280	1.32
Ex201-56	56	280	1.32
Ex201-58	58	290	1.47
Ex201-60	60	290	1.47
Ex201-63	63	315	1.91

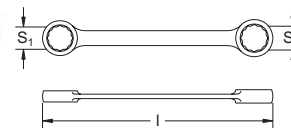
Ex201F
Wrench, Striking Box, Offset
12-Point



No.	S inch	I inch	Wt. lbs.
Ex201F-005U	1 ^{1/16}	19 ^{3/4}	1.65
Ex201F-010U	1 ^{3/16}	10 ^{3/4}	1.81
Ex201F-015U	1 ^{1/4}	10 ^{3/4}	1.81
Ex201F-020U	1 ^{7/16}	11 ^{3/16}	2.87
Ex201F-025U	1 ^{5/8}	12 ^{3/8}	2.98
Ex201F-030U	1 ^{13/16}	12 ^{3/4}	4.19
Ex201F-035U	2	13 ^{3/16}	4.67
Ex201F-040U	2 ^{3/16}	13 ^{9/16}	5.56
Ex201F-045U	2 ^{3/8}	14 ^{3/16}	6.64
Ex201F-050U	2 ^{9/16}	15 ^{3/16}	7.83
Ex201F-055U	2 ^{3/4}	16	9.48

No.	S mm	I mm	kg
Ex201F-27	27	245	0.75
Ex201F-30	30	270	0.82
Ex201F-32	32	270	0.82
Ex201F-36	36	280	1.30
Ex201F-41	41	310	1.35
Ex201F-46	46	320	1.90
Ex201F-50	50	330	2.12
Ex201F-55	55	340	2.52
Ex201F-60	60	355	3.01
Ex201F-65	65	380	3.55
Ex201F-70	70	400	4.30

Ex202
Wrench, Box End, Double
Straight Type, 12-Point



No.	S ₁ XS ₂ inch	L inch	Wt. lbs.
Ex202-005U	7/32 x 1/4	3 ³ / ₄	0.09
Ex202-010U	1/4 x 5/16	3 ³ / ₄	0.09
Ex202-015U	5/16 x 3/8	3 ³ / ₄	0.09
Ex202-020U	3/8 x 7/16	5 ³ / ₁₆	0.21
Ex202-030U	7/16 x 9/16	5 ³ / ₁₆	0.21
Ex202-040U	1/2 x 5/8	5 ³ / ₁₆	0.23
Ex202-045U	1/2x19/32	5 ³ / ₁₆	0.23
Ex202-055U	9/16 x 11/16	6	0.31
Ex202-065U	5/8 x 25/32	6	0.31
Ex202-070U	11/16 x 3/4	6	0.31
Ex202-080U	3/4 x 7/8	7 ³ / ₈	0.40
Ex202-090U	13/16 x 15/16	7 ³ / ₈	0.40
Ex202-095U	7/8 x 15/16	7 ⁹ / ₁₆	0.49
Ex202-120U	15/16 x 1 ¹ / ₁₆	8 ³ / ₄	0.64
Ex202-125U	1 x 1 ¹ / ₈	8 ³ / ₄	0.64
Ex202-135U	1 ¹ / ₁₆ x 1 ³ / ₁₆	10 ³ / ₄	0.93
Ex202-150U	1 ³ / ₁₆ x 1 ¹ / ₄	10 ³ / ₄	1.06
Ex202-160U	1 ¹ / ₄ x 1 ⁷ / ₁₆	12 ³ / ₁₆	1.32
Ex202-165U	1 ⁷ / ₁₆ x 1 ⁵ / ₈	12 ³ / ₁₆	1.32

No.	S ₁ XS ₂ mm	L mm	Wt. kg
Ex202-6-7	6x7	80	0.03
Ex202-8-10	8x10	95	0.04
Ex202-9-11	9x11	105	0.06
Ex202-12-14	12x14	130	0.10
Ex202-13-15	13x15	130	0.10
Ex202-14-15	14x15	130	0.09
Ex202-14-17	14x17	150	0.14
Ex202-16-17	16x17	150	0.14
Ex202-16-18	16x18	150	0.14
Ex202-17-19	17x19	150	0.14
Ex202-19-22	19x22	185	0.18
Ex202-21-23	21x23	190	0.22
Ex202-22-24	22x24	190	0.22
Ex202-24-27	24x27	220	0.29
Ex202-25-28	25x28	270	0.42
Ex202-27-30	27x30	270	0.42
Ex202-30-32	30x32	270	0.48
Ex202-32-36	32x36	305	0.60

When ordering, specify:

A = Aluminum Bronze

B = Copper Beryllium

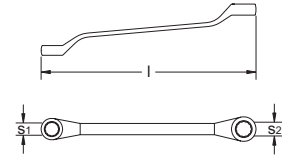
Example: EX202F-005UA

or

EX202F-005UB

Ex202F
Wrench, Box End, Double

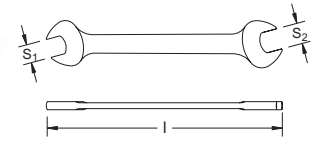
Offset Type, 12-Point



No.	S ₁ X S ₂ inch	l inch	Wt. lbs.
Ex202F-005U	7/32 x 1/4	4 ³ / ₄	0.06
Ex202F-010U	1/4 x 9/32	4 ³ / ₄	0.07
Ex202F-015U	1/4 x 5/16	5 ³ / ₁₆	0.07
Ex202F-020U	1/4 x 3/8	5 ³ / ₁₆	0.09
Ex202F-025U	5/16 x 3/8	5 ³ / ₁₆	0.10
Ex202F-030U	3/8 x 7/16	5 ³ / ₁₆	0.18
Ex202F-035U	3/8 x 9/16	7 ³ / ₁₆	0.18
Ex202F-040U	7/16 x 1/2	7 ³ / ₁₆	0.22
Ex202F-045U	7/16 x 9/16	7 ³ / ₁₆	0.22
Ex202F-050U	1/2 x 9/16	7 ³ / ₁₆	0.22
Ex202F-055U	1/2 x 19/32	7 ³ / ₁₆	0.22
Ex202F-060U	9/16 x 5/8	8 ³ / ₄	0.33
Ex202F-065U	5/8 x 11/16	8 ³ / ₄	0.44
Ex202F-070U	5/8 x 3/4	8 ³ / ₄	0.44
Ex202F-075U	11/16 x 7/8	10	0.49
Ex202F-080U	11/16 x 25/32	10	0.49
Ex202F-085U	11/16 x 7/8	11 ³ / ₁₆	0.62
Ex202F-090U	3/4 x 13/16	11 ³ / ₁₆	0.62
Ex202F-095U	3/4 x 7/8	11 ³ / ₁₆	0.62
Ex202F-100U	3/4 x 15/16	12 ³ / ₈	0.93
Ex202F-105U	13/16 x 7/8	12 ³ / ₈	0.93
Ex202F-110U	7/8 x 15/16	12 ³ / ₈	0.93
Ex202F-115U	7/8 x 31/32	12 ³ / ₈	0.93
Ex202F-120U	7/8 x 1	12 ³ / ₈	0.93
Ex202F-125U	7/8 x 11/16	13 ⁹ / ₁₆	1.17
Ex202F-130U	15/16 x 1	13 ⁹ / ₁₆	1.17
Ex202F-135U	15/16 x 1 ¹ / ₁₆	13 ⁹ / ₁₆	1.10
Ex202F-140U	15/16 x 1 ³ / ₁₆	14 ³ / ₈	1.19
Ex202F-145U	1 x 1 ¹ / ₁₆	13 ⁹ / ₁₆	1.17
Ex202F-150U	1 x 1 ¹ / ₈	13 ⁹ / ₁₆	1.17
Ex202F-155U	1 ¹ / ₁₆ x 1 ¹ / ₈	14 ³ / ₈	1.21
Ex202F-160U	1 ¹ / ₁₆ x 1 ¹ / ₄	15 ³ / ₁₆	1.59
Ex202F-165U	1 ¹ / ₈ x 5/16	15 ³ / ₁₆	1.59
Ex202F-170U	1 ³ / ₁₆ x 1 ¹ / ₄	15 ³ / ₁₆	1.59
Ex202F-175U	1 ³ / ₁₆ x 1 ⁷ / ₁₆	16 ³ / ₄	2.18
Ex202F-180U	1 ¹ / ₄ x 5/16	16 ³ / ₄	2.18
Ex202F-185U	1 ¹ / ₄ x 1 ⁷ / ₁₆	16 ³ / ₄	2.18
Ex202F-190U	1 ⁷ / ₁₆ x 1 ⁵ / ₈	18 ³ / ₁₆	2.18
Ex202F-195U	1 ⁵ / ₈ x 1 ¹³ / ₁₆	18 ³ / ₄	3.53
Ex202F-200U	1 ¹³ / ₁₆ x 2	19 ⁹ / ₁₆	4.59
Ex202F-205U	2 x 2 ³ / ₁₆	20 ³ / ₈	5.56

No.	S ₁ X S ₂ mm	l mm	Wt. kg
Ex202F-6-7	6 x 7	120	0.03
Ex202F-7-9	7 x 9	130	0.03
Ex202F-8-9	8 x 9	130	0.04
Ex202F-8-10	8 x 10	130	0.04
Ex202F-9-11	9 x 11	160	0.04
Ex202F-10-11	10 x 11	160	0.08
Ex202F-10-12	10 x 12	160	0.08
Ex202F-10-14	10 x 14	180	0.10
Ex202F-11-12	11 x 12	180	0.10
Ex202F-11-14	11 x 14	180	0.10
Ex202F-12-13	12 x 13	180	0.10
Ex202F-12-14	12 x 14	180	0.10
Ex202F-13-15	13 x 15	200	0.14
Ex202F-14-15	14 x 15	200	0.15
Ex202F-14-17	14 x 17	220	0.15
Ex202F-16-17	16 x 17	220	0.20
Ex202F-16-18	16 x 18	220	0.18
Ex202F-17-19	17 x 19	220	0.22
Ex202F-17-22	17 x 22	280	0.28
Ex202F-18-19	18 x 19	250	0.22
Ex202F-19-22	19 x 22	280	0.28
Ex202F-19-24	19 x 24	310	0.42
Ex202F-20-22	20 x 22	280	0.28
Ex202F-21-23	21 x 23	310	0.42
Ex202F-22-24	22 x 24	310	0.42
Ex202F-22-27	22 x 27	340	0.50
Ex202F-24-26	24 x 26	340	0.50
Ex202F-24-27	24 x 27	340	0.50
Ex202F-24-30	24 x 30	360	0.54
Ex202F-25-28	25 x 28	340	0.53
Ex202F-26-29	26 x 29	360	0.55
Ex202F-27-29	27 x 29	360	0.55
Ex202F-27-30	27 x 30	360	0.55
Ex202F-27-32	27 x 32	380	0.72
Ex202F-30-32	30 x 32	380	0.72
Ex202F-30-36	30 x 36	420	0.99
Ex202F-32-36	32 x 36	420	0.99
Ex202F-34-36	34 x 36	420	0.99
Ex202F-36-41	36 x 41	455	1.28
Ex202F-41-46	41 x 46	470	1.60
Ex202F-46-50	46 x 50	490	2.08
Ex202F-50-55	50 x 55	510	2.52

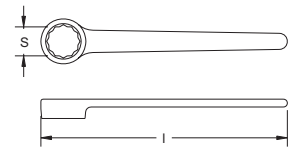
Ex203
Wrench, Open End, Double



No.	S ₁ X S ₂ inch	L inch	Wt. lbs.
Ex203-005U	7/32 x 1/4	3 ⁹ / ₁₆	0.07
Ex203-010U	1/4 x 9/32	4	0.07
Ex203-015U	1/4 x 5/16	39/16	0.07
Ex203-020U	1/4 x 3/8	4	0.07
Ex203-025U	5/16 x 3/8	4	0.09
Ex203-030U	3/8 x 7/16	4 ³ / ₄	0.13
Ex203-035U	7/16 x 1/2	5 ³ / ₁₆	0.14
Ex203-040U	7/16 x 9/16	5 ³ / ₁₆	0.14
Ex203-045U	1/2 x 9/16	5 ³ / ₈	0.22
Ex203-050U	1/2 x 5/8	5 ³ / ₈	0.31
Ex203-055U	1/2 x 11/16	6	0.31
Ex203-060U	9/16 x 5/8	6	0.31
Ex203-065U	9/16 x 11/16	6	0.31
Ex203-070U	9/16 x 3/4	6 ⁹ / ₁₆	0.31
Ex203-085U	5/8 x 11/16	6 ⁹ / ₁₆	0.31
Ex203-090U	5/8 x 3/4	6 ⁹ / ₁₆	0.42
Ex203-095U	11/16 x 3/4	6 ⁹ / ₁₆	0.42
Ex203-100U	11/16 x 25/32	7 ³ / ₁₆	0.42
Ex203-105U	11/16 x 7/8	7 ³ / ₁₆	0.51
Ex203-110U	3/4 x 13/16	7 ³ / ₁₆	0.51
Ex203-115U	3/4 x 7/8	7 ³ / ₁₆	0.51
Ex203-125U	25/32 x 7/8	8 ³ / ₈	0.57
Ex203-130U	13/16 x 7/8	8 ³ / ₈	0.57
Ex203-135U	7/8 x 15/16	8 ³ / ₈	0.64
Ex203-140U	7/8 x 31/32	8 ³ / ₈	0.64
Ex203-145U	7/8 x 1	9 ³ / ₁₆	1.04
Ex203-150U	15/16 x 1	9 ³ / ₁₆	1.04
Ex203-155U	7/8 x 1 ¹ / ₁₆	9 ³ / ₁₆	1.04
Ex203-160U	15/16 x 1 ¹ / ₁₆	9 ³ / ₁₆	1.04
Ex203-165U	15/16 x 13/16	10	1.15

No.	S ₁ X S ₂ mm	L mm	Wt. kg
Ex203-6-7	6x7	90	0.03
Ex203-6-8	6x8	90	0.03
Ex203-7-8	7x8	100	0.03
Ex203-7-9	7x9	100	0.03
Ex203-8-9	8x9	100	0.04
Ex203-8-10	8x10	100	0.04
Ex203-9-10	9x10	100	0.04
Ex203-9-11	9x11	120	0.06
Ex203-10-11	10x11	120	0.06
Ex203-10-12	10x12	120	0.06
Ex203-11-13	11x13	120	0.06
Ex203-12-13	12x13	130	0.06
Ex203-12-14	12x14	130	0.06
Ex203-13-14	13x14	130	0.10
Ex203-13-15	13x15	135	0.10
Ex203-14-15	14x15	150	0.14
Ex203-14-17	14x17	150	0.14
Ex203-16-17	16x17	165	0.14
Ex203-16-18	16x18	165	0.14
Ex203-17-19	17x19	165	0.19
Ex203-17-22	17x22	180	0.23
Ex203-18-19	18x19	165	0.19
Ex203-18-20	18x20	165	0.19
Ex203-19-22	19x22	180	0.23
Ex203-19-24	19x24	180	0.23
Ex203-20-22	20x22	180	0.23
Ex203-21-23	21x23	210	0.26
Ex203-22-24	22x24	210	0.29
Ex203-22-27	22x27	230	0.47
Ex203-23-26	23x26	230	0.47
Ex203-24-26	24x26	230	0.47

Ex204D
Wrench, Box End
 12-Point (DIN 3111)



No.	S inch	L inch	Wt. lbs.
Ex204D-005U	1/2	5 ¹ / ₂	0.13
Ex204D-010U	9/16	5 ¹ / ₂	0.13
Ex204D-015U	19/32	5 ¹ / ₂	0.13
Ex204D-020U	5/8	6 ³ / ₁₆	0.20
Ex204D-025U	11/16	6 ³ / ₁₆	0.20
Ex204D-030U	3/4	6 ³ / ₁₆	0.26
Ex204D-035U	25/32	7 ⁹ / ₁₆	0.37
Ex204D-040U	13/16	7 ⁹ / ₁₆	0.37
Ex204D-045U	7/8	7 ⁹ / ₁₆	0.37
Ex204D-050U	15/16	8 ⁹ / ₁₆	0.53
Ex204D-055U	31/32	8 ⁹ / ₁₆	0.53
Ex204D-060U	1	8 ⁹ / ₁₆	0.53
Ex204D-065U	11/16	9 ³ / ₁₆	0.71
Ex204D-070U	11/8	10 ¹ / ₈	0.95
Ex204D-075U	13/16	10 ¹ / ₈	0.95

No.	S mm	L mm	Wt. kg
Ex204D-14	14	138	0.06
Ex204D-15	15	155	0.09
Ex204D-16	16	155	0.09
Ex204D-17	17	155	0.09
Ex204D-18	18	171	0.12
Ex204D-19	19	171	0.12
Ex204D-20	20	190	0.17
Ex204D-21	21	190	0.17
Ex204D-22	22	190	0.17
Ex204D-23	23	215	0.24
Ex204D-24	24	215	0.24
Ex204D-25	25	230	0.32
Ex204D-26	26	230	0.32
Ex204D-27	27	230	0.32
Ex204D-28	28	254	0.43

When ordering, specify:

A = Aluminum Bronze

B = Copper Beryllium

Example: EX204-005UA

or

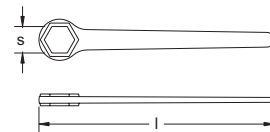
EX204-005UB

Wrench, Box End, 6-Point EX204

Wrench, Construction, With Pin, (Ring End) EX204S

Wrench, Construction, With Pin, (Open End) EX205S

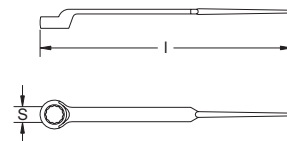
Ex204
Wrench, Box End
6-Point



No.	S inch	l inch	Wt. lbs.
Ex204-005U	11/16	6 ⁹ / ₁₆	0.26
Ex204-010U	3/4	6 ⁹ / ₁₆	0.42
Ex204-015U	7/8	9 ⁹ / ₁₆	0.71
Ex204-020U	15/16	9 ⁹ / ₁₆	0.71
Ex204-025U	1	9 ⁹ / ₁₆	0.77
Ex204-030U	1 1/16	9 ⁹ / ₁₆	0.84
Ex204-035U	1 3/16	10 ³ / ₄	1.10
Ex204-040U	1 1/4	10 ³ / ₄	1.37
Ex204-045U	1 7/16	12 ³ / ₈	2.43
Ex204-050U	1 5/8	15	2.65
Ex204-055U	1 13/16	16 ³ / ₈	3.75
Ex204-060U	2	16 ³ / ₈	3.95

No.	S mm	l mm	Wt. kg
Ex204-17	17	165	0.12
Ex204-19	19	205	0.19
Ex204-20	20	205	0.22
Ex204-24	24	240	0.32
Ex204-27	27	240	0.38
Ex204-30	30	270	0.50
Ex204-32	32	270	0.62
Ex204-36	36	310	1.10
Ex204-41	41	375	1.20
Ex204-46	46	410	1.70
Ex204-50	50	410	1.90

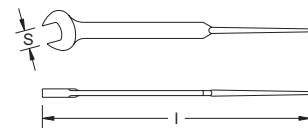
Ex204S
Wrench, Construction
With Pin, (Ring End)



No.	S inch	l inch	Wt. lbs.
Ex204S-050U	7/8	14	0.86
Ex204S-010U	15/16	14	0.86
Ex204S-015U	1 1/16	16	1.08
Ex204S-020U	1 3/16	16	1.76
Ex204S-025U	1 1/4	16	1.72
Ex204S-030U	1 7/16	18	2.05
Ex204S-035U	1 1/2	18	2.05
Ex204S-040U	1 5/8	18	3.00
Ex204S-045U	1 13/16	20	4.54
Ex204S-050U	2	22	6.15

No.	S mm	l mm	Wt. kg
Ex204S-22	22	350	0.39
Ex204S-24	24	350	0.39
Ex204S-27	27	400	0.49
Ex204S-30	30	400	0.80
Ex204S-32	32	400	0.78
Ex204S-36	36	450	0.93
Ex204S-38	38	450	0.93
Ex204S-41	41	450	1.36
Ex204S-46	46	500	2.06
Ex204S-50	50	550	2.79

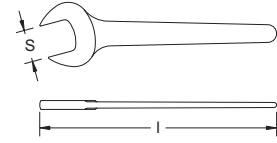
Ex205S
Wrench, Construction
With Pin, (Open End)



No.	S inch	l inch	Wt. lbs.
Ex205S-005U	11/16	14	0.95
Ex205S-010U	3/4	14	0.97
Ex205S-015U	25/32	14	0.98
Ex205S-020U	13/16	14	0.98
Ex205S-025U	7/8	14	0.95
Ex205S-030U	15/16	14	0.97
Ex205S-035U	31/32	14	0.98
Ex205S-040U	1	16	1.32
Ex205S-045U	1 1/16	16	1.32
Ex205S-050U	1 1/8	16	2.09
Ex205S-055U	1 3/16	16	2.09
Ex205S-060U	1 1/4	16	2.09
Ex205S-065U	1 5/16	18	2.69
Ex205S-070U	1 3/8	18	2.69
Ex205S-075U	1 7/16	18	2.69
Ex205S-080U	1 1/2	18	2.62

No.	S mm	l mm	Wt. kg
Ex205S-17	17	350	0.41
Ex205S-18	18	350	0.42
Ex205S-19	19	350	0.42
Ex205S-20	20	350	0.43
Ex205S-21	21	350	0.43
Ex205S-22	22	350	0.43
Ex205S-23	23	350	0.44
Ex205S-24	24	350	0.44
Ex205S-25	25	400	0.60
Ex205S-26	26	400	0.60
Ex205S-27	27	400	0.60
Ex205S-28	28	400	0.95
Ex205S-29	29	400	1.22
Ex205S-30	30	400	0.95
Ex205S-32	32	400	0.95
Ex205S-33	33	400	1.22

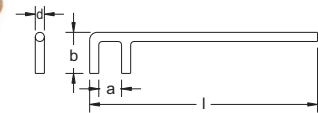
**Ex205
Wrench, Open End**



No.	S inch	l inch	Wt. lbs.
Ex205-005U	1/4	33/8	0.02
Ex205-010U	5/16	33/4	0.04
Ex205-015U	11/32	4	0.06
Ex205-020U	3/8	43/16	0.09
Ex205-025U	11/32	43/8	0.10
Ex205-030U	7/16	49/16	0.11
Ex205-035U	1/2	43/4	0.13
Ex205-040U	9/16	5	0.18
Ex205-045U	19/32	51/8	0.21
Ex205-050U	5/8	53/8	0.24
Ex205-055U	11/16	59/16	0.24
Ex205-060U	3/4	63/16	0.33
Ex205-065U	25/32	65/16	0.36
Ex205-070U	13/16	615/16	0.39
Ex205-075U	7/8	73/16	0.42
Ex205-080U	15/16	8	0.53
Ex205-085U	31/32	81/8	0.58
Ex205-090U	1	83/16	0.60
Ex205-095U	11/16	9	0.73
Ex205-100U	11/8	91/2	0.80
Ex205-105U	13/16	103/16	0.88
Ex205-110U	11/4	11	1.15
Ex205-115U	15/16	115/16	1.30
Ex205-120U	13/8	113/4	1.46
Ex205-125U	17/16	12	1.61
Ex205-130U	11/2	123/8	1.74
Ex205-135U	19/16	127/8	2.05
Ex205-140U	15/8	133/16	2.31
Ex205-145U	111/16	133/4	2.46
Ex205-150U	13/4	143/16	2.67
Ex205-155U	113/16	143/4	2.84
Ex205-160U	17/8	1415/16	3.24
Ex205-165U	2	153/16	3.81
Ex205-170U	21/16	153/8	4.23
Ex205-175U	21/8	153/4	4.65
Ex205-180U	23/16	16	5.07
Ex205-185U	21/4	163/16	5.50

No.	S mm	l mm	δδ kg
Ex205-6	6	85	0.01
Ex205-7	7	90	0.02
Ex205-8	8	95	0.02
Ex205-9	9	100	0.03
Ex205-10	10	105	0.04
Ex205-11	11	110	0.04
Ex205-12	12	115	0.05
Ex205-13	13	120	0.06
Ex205-14	14	125	0.08
Ex205-15	15	130	0.10
Ex205-16	16	135	0.11
Ex205-17	17	140	0.11
Ex205-18	18	150	0.13
Ex205-19	19	155	0.15
Ex205-20	20	160	0.16
Ex205-21	21	165	0.18
Ex205-22	22	180	0.19
Ex205-23	23	190	0.21
Ex205-24	24	200	0.24
Ex205-25	25	205	0.27
Ex205-26	26	215	0.30
Ex205-27	27	225	0.33
Ex205-28	28	235	0.36
Ex205-29	29	245	0.38
Ex205-30	30	255	0.40
Ex205-32	32	275	0.52
Ex205-33	33	280	0.57
Ex205-34	34	285	0.62
Ex205-35	35	295	0.67
Ex205-36	36	300	0.73
Ex205-37	37	305	0.75
Ex205-38	38	310	0.79
Ex205-41	41	330	1.05
Ex205-42	42	340	1.10
Ex205-46	46	370	1.29
Ex205-47	47	375	1.35
Ex205-50	50	380	1.73

**Ex207F
Valve Wheel Hook**



No.	a inch	b inch	d inch	l inch	Wt. lbs.	a mm	b mm	d mm	l mm	δδ kg
Ex207F-30	13/16	21/4	1/2	12	0.96	30	56	13	300	0.44
Ex207F-35	13/8	27/16	1/2	14	1.11	35	61	13	350	0.50
Ex207F-40	19/16	27/8	5/8	16	1.93	40	72	16	400	0.87
Ex207F-45	13/4	31/16	5/8	18	2.15	45	77	16	450	0.98
Ex207F-50	2	31/2	3/4	20	3.39	50	88	19	500	1.54
Ex207F-60	23/8	41/8	7/8	24	5.44	60	104	22	600	2.47
Ex207F-70	23/4	43/4	1	28	8.18	70	120	25	700	3.71
Ex207F-80	33/16	57/16	11/8	32	11.72	80	136	28	800	5.31

When ordering, specify:

A = Aluminum Bronze

B = Copper Beryllium

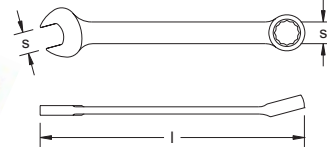
Example: EX206-005UA

or

EX206-005UB

Ex206

Wrench, Combination

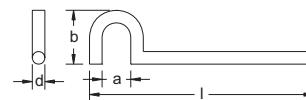


No.	S inch	I inch	Wt. lbs.
Ex206-005U	1/4	3 ⁹ / ₁₆	0.05
Ex206-010U	5/16	4 ³ / ₁₆	0.07
Ex206-015U	11/32	4 ⁹ / ₁₆	0.10
Ex206-020U	3/8	4 ⁹ / ₁₆	0.10
Ex206-025U	13/32	5 ³ / ₈	0.15
Ex206-030U	7/16	5 ³ / ₈	0.15
Ex206-035U	1/2	6	0.22
Ex206-040U	9/16	6 ³ / ₈	0.29
Ex206-045U	19/32	6 ³ / ₈	0.29
Ex206-050U	5/8	7	0.33
Ex206-055U	11/16	7 ³ / ₁₆	0.37
Ex206-060U	3/4	8 ³ / ₁₆	0.51
Ex206-065U	25/32	8 ³ / ₁₆	0.51
Ex206-070U	13/16	9 ³ / ₁₆	0.60
Ex206-075U	7/8	9 ³ / ₄	0.66
Ex206-080U	15/16	10 ⁹ / ₁₆	0.90
Ex206-085U	31/32	11 ⁹ / ₁₆	1.28
Ex206-090U	1	11 ⁹ / ₁₆	1.28
Ex206-095U	11/16	11 ⁹ / ₁₆	1.28
Ex206-100U	11/18	12 ³ / ₄	1.39
Ex206-105U	13/16	12 ³ / ₄	1.39
Ex206-110U	11/4	13 ³ / ₈	1.74
Ex206-115U	15/16	14	2.03
Ex206-120U	13/8	14	2.03
Ex206-125U	17/16	14	2.05
Ex206-130U	11/2	14 ³ / ₈	2.73
Ex206-135U	19/16	14 ³ / ₄	3.22
Ex206-140U	15/8	14 ³ / ₄	3.22
Ex206-145U	111/16	16 ³ / ₁₆	3.70
Ex206-150U	13/4	16 ³ / ₁₆	3.70
Ex206-155U	113/16	16 ³ / ₁₆	3.70
Ex206-160U	17/8	16 ³ / ₁₆	3.70
Ex206-165U	2	16 ³ / ₄	4.23
Ex206-170U	23/16	17 ³ / ₈	5.11
Ex206-175U	23/8	18 ⁹ / ₁₆	5.71
Ex206-180U	29/16	18 ³ / ₄	6.35
Ex206-185U	23/4	19 ³ / ₁₆	7.47
Ex206-190U	25/8	19 ³ / ₁₆	7.47

No.	S mm	I mm	Wt. kg
Ex206-6	6	90	0.02
Ex206-7	7	100	0.03
Ex206-8	8	105	0.03
Ex206-9	9	115	0.05
Ex206-10	10	125	0.05
Ex206-11	11	135	0.07
Ex206-12	12	140	0.09
Ex206-13	13	150	0.10
Ex206-14	14	160	0.13
Ex206-15	15	165	0.14
Ex206-16	16	175	0.15
Ex206-17	17	180	0.17
Ex206-18	18	195	0.21
Ex206-19	19	205	0.23
Ex206-20	20	205	0.25
Ex206-21	21	230	0.27
Ex206-22	22	245	0.30
Ex206-23	23	245	0.36
Ex206-24	24	265	0.41
Ex206-25	25	290	0.58
Ex206-26	26	290	0.58
Ex206-27	27	290	0.58
Ex206-28	28	320	0.63
Ex206-30	30	320	0.63
Ex206-32	32	335	0.79
Ex206-34	34	350	0.92
Ex206-36	36	350	0.93
Ex206-38	38	360	1.24
Ex206-41	41	370	1.46
Ex206-46	46	405	1.68
Ex206-50	50	420	1.92
Ex206-55	55	435	2.32
Ex206-60	60	465	2.59
Ex206-65	65	470	2.88
Ex206-70	70	480	3.39

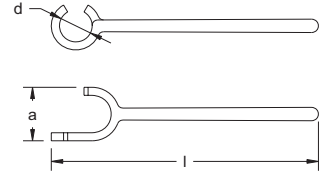
Ex207

Wrench, Valve



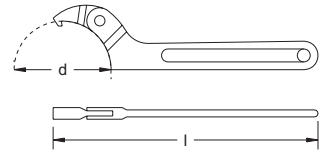
No.	a inch	b inch	d inch	I inch	Wt. lbs.	a mm	b mm	d mm	I mm	Wt. kg
Ex207-30	13/16	21/4	1/2	8	0.66	30	56	13	200	0.30
Ex207-32	11/4	23/8	9/16	10	0.93	32	60	14	250	0.42
Ex207-36	17/16	25/8	9/16	10 ³ / ₄	1.15	36	66	15	270	0.52
Ex207-41	15/8	27/8	5/8	12	1.46	41	73	16	300	0.66
Ex207-50	2	37/16	11/16	12 ³ / ₄	2.02	50	86	18	320	0.92

Ex207S
Wrench, Valve Wheel
(DIN 87311)



No.	d inch	a inch	l inch	Wt. lbs.	d mm	a mm	l mm	kg
Ex207S-215	1 1/4	2 1/4	8 9/16	0.86	32	56	215	0.39
Ex207S-290	1 7/16	2 1/4	11 9/16	2.27	36	56	290	1.03
Ex207S-400	1 7/8	3 3/16	16	1.90	48	80	400	0.86
Ex207S-490	2 3/8	4	19 9/16	4.30	60	100	490	1.95
Ex207S-800	2 3/8	4 3/8	32	12.57	60	110	800	5.70

Ex208S
Wrench, Spanner Adjustable



No.	d inch	l inch	Wt. lbs.	d mm	l mm	kg
Ex208S-32/75	1 1/4-3	8 3/16	0.46	32-75	205	0.21
Ex208S-50/120	2-4 3/4	11 3/8	1.06	50-120	285	0.48
Ex208S-115/170	4 9/16-6 3/4	12 3/8	2.67	115-170	310	1.21

When ordering, specify:

A = Aluminum Bronze

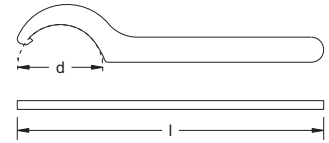
B = Copper Beryllium

Example: EX208-12/14A

or

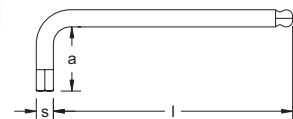
EX208-12/14B

Ex208
Wrench, Spanner, Fixed
(DIN 1810)



No.	d inch	l inch	Wt. lbs.	d mm	l mm	kg
Ex208-12/14	7/16-9/16	4 ¹ / ₈	0.07	12/14	103	0.03
Ex208-16/18	5/8-11/16	4 ¹ / ₈	0.07	16/18	104	0.03
Ex208-16/20	5/8-3/4	4 ¹ / ₈	0.07	16/20	104	0.03
Ex208-20/22	3/4-7/8	4 ³ / ₁₆	0.07	20/22	105	0.03
Ex208-25/28	1-1 ¹ / ₈	5 ³ / ₆₄	0.11	25/28	126	0.05
Ex208-30/32	1 ³ / ₁₆ -1 ¹ / ₄	5 ¹ / ₈	0.11	30/32	128	0.05
Ex208-34/36	1 ³ / ₈ -1 ⁷ / ₁₆	6 ³ / ₈	0.22	34/36	160	0.10
Ex208-40/42	1 ⁹ / ₁₆ -1 ¹¹ / ₁₆	6 ⁷ / ₁₆	0.22	40/42	161	0.10
Ex208-45/50	1 ³ / ₄ -2	7 ¹¹ / ₁₆	0.40	45/50	193	0.18
Ex208-52/55	2 ¹ / ₁₆ -2 ³ / ₁₆	7 ³ / ₄	0.40	52/55	195	0.18
Ex208-58/62	2 ⁵ / ₁₆ -2 ⁷ / ₁₆	9 ¹ / ₁₆	0.64	58/62	227	0.29
Ex208-68/75	2 ¹¹ / ₁₆ -3	9 ³ / ₁₆	0.64	68/75	230	0.29
Ex208-80/90	3 ³ / ₁₆ -3 ⁹ / ₁₆	10 ⁵ / ₈	0.99	80/90	266	0.45
Ex208-90/100	3 ³ / ₄ -4	10 ¹³ / ₁₆	0.97	90/100	271	0.44
Ex208-100/110	4 ³ / ₈ -4 ⁹ / ₁₆	12 ⁹ / ₁₆	1.81	100/110	315	0.82
Ex208-110/115	4 ³ / ₈ -4 ⁹ / ₁₆	12 ⁹ / ₁₆	1.81	110/115	315	0.82
Ex208-120/130	4 ³ / ₄ -5 ³ / ₁₆	12 ³ / ₄	1.81	120/130	319	0.82
Ex208-135/145	5 ³ / ₈ -5 ³ / ₄	14 ¹ / ₂	2.91	135/145	363	1.32

Ex209L
Wrench, Allen / Hex Key
Ball Point, Long Type
CuBe only



No.	S inch	a inch	l inch	Wt. lbs.	No.	S mm	a mm	l mm	kg
Ex209L-005U	1/16	9/16	3 ¹ / ₂	0.006	Ex209L-1.5	1.5	14	88	0.0027
Ex209L-010U	5/64	5/8	3 ¹⁵ / ₁₆	0.014	Ex209L-2	2	16	99	0.0064
Ex209L-015U	3/32	11/16	4 ³ / ₈	0.016	Ex209L-2.5	2.5	18	109	0.0072
Ex209L-020U	1/8	3/4	5	0.031	Ex209L-3	3	20	125	0.014
Ex209L-025U	5/32	1	5 ⁹ / ₁₆	0.057	Ex209L-4	4	25	139	0.026
Ex209L-030U	3/16	1 ¹ / ₈	6 ³ / ₁₆	0.093	Ex209L-5	5	28	155	0.042
Ex209L-035U	7/32	1 ¹ / ₄	7	0.15	Ex209L-6	6	32	176	0.066
Ex209L-040U	1/4	1 ³ / ₈	7 ¹ / ₂	0.20	Ex209L-7	7	34	188	0.09
Ex209L-045U	5/16	1 ⁷ / ₁₆	8	0.32	Ex209L-8	8	36	201	0.14
Ex209L-050U	7/16	1 ³ / ₄	10 ⁵ / ₁₆	0.82	Ex209L-10	10	40	228	0.25
Ex209L-055U	1/2	2 ¹ / ₄	11	1.39	Ex209L-12	12	45	258	0.37
					Ex209L-14	14	56	276	0.63
					Ex209L-17	17	63	299	0.92



Ergonomic Handles

- Ergonomic two-component handle on all CS Unitec Screwdrivers.
- Maximum Handgrip prevents slipping.
- Unique design for Safety Tools.

When ordering, specify:

A = Aluminum Bronze

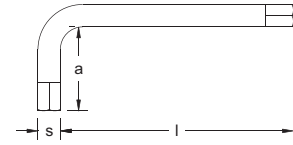
B = Copper Beryllium

Example: EX209-005UA

or

EX209-005UB

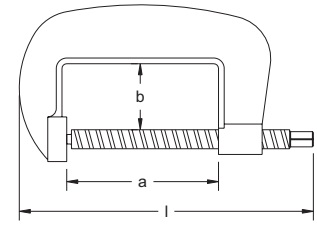
Ex209
Wrench, Allen / Hex Key
(DIN 911)



No.	S inch	a inch	l inch	Wt. lbs.
Ex209-005U	1/16	9/16	13/4	0.0035
Ex209-010U	5/64	5/8	2	0.0084
Ex209-015U	3/32	11/16	2 1/4	0.0097
Ex209-020U	1/8	3/4	2 1/2	0.0180
Ex209-025U	9/64	1	2 3/4	0.0400
Ex209-030U	5/32	1	2 3/4	0.0310
Ex209-035U	3/16	1 1/8	3 3/16	0.0530
Ex209-040U	7/32	1 1/4	3 9/16	0.0840
Ex209-045U	1/4	1 3/8	3 3/4	0.1100
Ex209-050U	5/16	1 7/16	4	0.1900
Ex209-055U	3/8	1 3/4	5	0.4700
Ex209-060U	7/16	1 3/4	5	0.4700
Ex209-065U	1/2	2 1/4	5 9/16	0.7700
Ex209-070U	9/16	2 1/4	5 9/16	0.7700
Ex209-075U	5/8	2 3/4	7 3/16	1.6800
Ex209-080U	11/16	2 3/4	7 3/16	1.6800
Ex209-085U	3/4	2 3/4	7 3/16	1.6800
Ex209-090U	7/8	3 3/16	8	2.7600
Ex209-095U	1	4	10	5.2200
Ex209-100U	1 1/16	4	10	9.3000
Ex209-105U	1 1/8	5	12 9/16	9.3000
Ex209-110U	1 1/4	5	12 9/16	9.3000

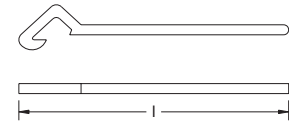
No.	S mm	a mm	l mm	kg
Ex209-1.5	1.5	14	45	0.0016
Ex209-2	2	16	50	0.0038
Ex209-2.5	2.5	18	56	0.0044
Ex209-3	3	20	63	0.0080
Ex209-4	4	25	70	0.0140
Ex209-5	5	28	80	0.0240
Ex209-6	6	32	90	0.0380
Ex209-7	7	34	95	0.0520
Ex209-8	8	36	100	0.0840
Ex209-9	9	38	105	0.1090
Ex209-10	10	40	112	0.1340
Ex209-11	11	42	120	0.1740
Ex209-12	12	45	125	0.2140
Ex209-14	14	56	140	0.3480
Ex209-17	17	63	160	0.5600
Ex209-19	19	70	180	0.7600
Ex209-22	22	80	200	1.2500
Ex209-24	24	90	224	1.6300
Ex209-27	27	100	250	2.3700
Ex209-30	30	118	290	3.4500
Ex209-32	32	125	315	4.2200
Ex209-36	36	140	355	5.8200

**Ex211
Clamp, Grounding**



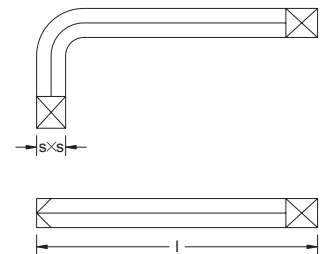
No.	a inch	b inch	l inch	Wt. lbs.	a mm	b mm	l mm	kg
Ex211-160	6 ³ / ₈	2 ³ / ₄	12 ³ / ₈	7.87	160	69.5	310	3.57

**Ex212
Wrench, Gas Tube**



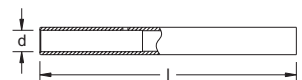
No.	l inch	Wt. lbs.	l mm	kg
Ex212-540	21 ⁹ / ₁₆	5.09	540	2.31

**Ex213
Wrench, Bung**



No.	s inch	l inch	Wt. lbs.	s mm	l mm	kg
Ex213-22	7/8	10 ³ / ₁₆	1.41	22	255	0.64
Ex213-24	15/16	10 ³ / ₁₆	1.75	24	255	0.78
Ex213-27	1 ¹ / ₁₆	12 ³ / ₈	2.65	27	310	1.20
Ex213-32	1 ¹ / ₄	12 ³ / ₈	3.78	32	310	1.71

**Ex216
Extension For Box Wrench**



No.	d inch	l inch	Wt. lbs.	d mm	l mm	kg
Ex216-22	7/8	24	2.43	22	600	1.10
Ex216-25	1	30	4.14	25	750	1.88
Ex216-30	1 ³ / ₁₆	34	6.00	30	850	2.72

When ordering, specify:

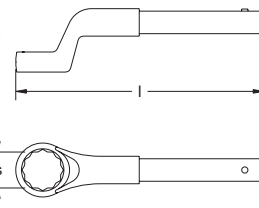
A = Aluminum Bronze

B = Copper Beryllium

Example: EX215-005UA

or

EX215-005UB

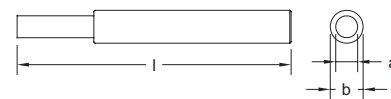


Ex215 Wrench, Box, For Extension

No.	S inch	l inch	Wt. lbs.
Ex215-005U	3/16	8	2.03
Ex215-010U	1/4	9 3/8	2.14
Ex215-015U	5/16	9 3/8	2.14
Ex215-020U	3/8	9 3/8	2.14
Ex215-025U	7/16	9 3/4	2.27
Ex215-030U	1 1/2	10	2.51
Ex215-035U	19/16	10 9/16	2.78
Ex215-040U	15/8	10 9/16	2.78
Ex215-045U	1 11/16	10 9/16	2.78
Ex215-050U	1 3/4	11 3/16	3.53
Ex215-055U	1 13/16	11 3/16	3.53
Ex215-060U	1 7/8	11 3/16	3.53
Ex215-065U	2	11 3/16	3.90
Ex215-070U	2 1/16	11 3/16	3.90
Ex215-075U	2 1/8	11 9/16	4.30
Ex215-080U	2 3/16	11 9/16	4.30
Ex215-085U	2 1/4	13 3/16	6.39
Ex215-090U	2 5/16	13 3/16	6.39
Ex215-095U	2 3/8	13 3/16	6.39
Ex215-100U	2 7/16	14	6.83
Ex215-105U	2 1/2	14	6.83
Ex215-110U	2 9/16	14	6.83
Ex215-115U	2 5/8	14 3/8	7.72
Ex215-120U	2 3/4	14 3/8	7.72
Ex215-125U	2 13/16	14 3/8	7.72

No.	S mm	l mm	Wt. kg
Ex215-30	30	200	0.92
Ex215-32	32	235	0.97
Ex215-33	33	235	0.97
Ex215-34	34	235	0.97
Ex215-35	35	245	1.03
Ex215-36	36	245	1.03
Ex215-37	37	250	1.14
Ex215-38	38	250	1.14
Ex215-41	41	265	1.26
Ex215-42	42	265	1.26
Ex215-46	46	280	1.60
Ex215-47	47	280	1.60
Ex215-50	50	280	1.77
Ex215-52	52	280	1.77
Ex215-55	55	290	1.95
Ex215-58	58	330	2.90
Ex215-60	60	330	2.90
Ex215-65	65	350	3.10
Ex215-70	70	360	3.50

Ex301 Drift, Cylindrical *CuBe only*



No.	a inch	b inch	l inch	Wt. lbs.
Ex301-005U	1/8	3/8	4 3/8	0.11
Ex301-010U	1/4	7/16	4 9/16	0.18
Ex301-015U	5/16	9/16	4 3/4	0.26
Ex301-020U	3/8	5/8	5 3/4	0.43
Ex301-025U	7/16	11/16	6 3/8	0.62
Ex301-030U	9/16	3/4	7 3/16	0.87
Ex301-035U	5/8	15/16	8	1.37
Ex301-040U	11/16	1 3/16	9	2.32
Ex301-045U	3/4	1 1/4	9	2.67
Ex301-050U	1 1/4	1 9/16	10	5.15

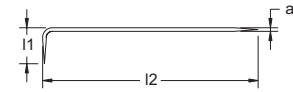
No.	a mm	b mm	l mm	Wt. kg
Ex301-4	4	10	110	0.05
Ex301-6	6	12	115	0.08
Ex301-7	7	14	120	0.12
Ex301-8	8	14	120	0.12
Ex301-10	10	16	145	0.20
Ex301-12	12	18	160	0.28
Ex301-14	14	20	180	0.40
Ex301-16	16	24	200	0.62
Ex301-18	18	30	225	1.05
Ex301-20	20	32	225	1.21
Ex301-32	32	40	250	2.34



Unique Range of Safety Tools

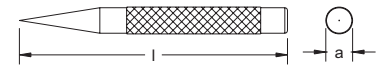
- Safety Tools in Copper-Beryllium Alloy or Aluminium-Bronze Alloy.
- Designed for use in Ex / ATEX zones.

Ex302
Scriber / Marking Tool



No.	a inch	l1 inch	l2 inch	Wt. lbs.	a mm	l1 mm	l2 mm	kg
Ex302-3	1/8	13/6	73/16	0.02	3	30	180	0.011
Ex302-4	5/32	13/8	73/4	0.04	4	35	195	0.02
Ex302-5	3/16	19/16	83/8	0.09	5	40	210	0.04
Ex302-6	1/4	13/4	9	0.13	6	45	225	0.06

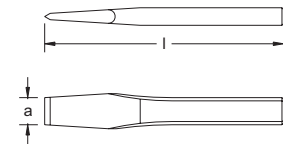
Ex303
Punch, Center



No.	a inch	l inch	Wt. lbs.
Ex303-005U	3/8	4	0.11
Ex303-010U	7/16	6	0.25
Ex303-015U	15/16	99/16	1.58
Ex303-020U	1	103/8	1.95
Ex303-025U	1 1/8	113/16	2.45
Ex303-030U	13/16	12	2.95
Ex303-035U	1 1/4	123/4	3.60

No.	a mm	l mm	kg
Ex303-100	10	100	0.05
Ex303-150	12	150	0.11
Ex303-240	24	240	0.72
Ex303-280	28	280	1.11

Ex304
Chisel, Hand



No.	a inch	l inch	Wt. lbs.	a mm	l mm	kg
Ex304-100	9/16	4	0.20	14	100	0.09
Ex304-125	9/16	5	0.26	14	125	0.12
Ex304-150	11/16	6	0.45	17	150	0.20
Ex304-175	3/4	7	0.68	20	175	0.31
Ex304-200	7/8	8	0.90	22	200	0.41
Ex304-250	15/16	10	1.28	24	250	0.58
Ex304-300	15/16	12	1.52	24	300	0.69
Ex304-400	1 1/16	16	2.71	27	400	1.23

When ordering, specify:

A = Aluminum Bronze

B = Copper Beryllium

Example: EX304A-300A

or

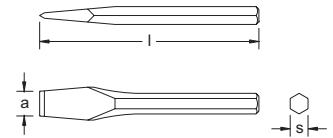
EX304A-300B

Chisel, 6-Point Ex304A

Chisel, 8-Point Ex304S

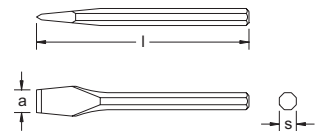
Chisel, Cape Ex305

Ex304A
Chisel, 6-Point



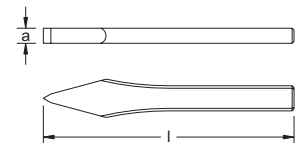
No.	a inch	s inch	l inch	Wt. lbs.	a mm	s mm	l mm	kg
Ex304A-300	5/8	9/16	12	0.95	16	14	300	0.43

Ex304S
Chisel, 8-Point



No.	a inch	s inch	l inch	Wt. lbs.	a mm	s mm	l mm	kg
Ex304S-300	1	11/16	12	1.48	26	18	300	0.67

Ex305
Chisel, Cape



No.	a inch	l inch	Wt. lbs.	a mm	l mm	kg
Ex305-150	7/16	6	0.51	11	150	0.23
Ex305-200	7/16	8	0.81	12	200	0.37
Ex305-300	9/16	12	1.68	14	300	0.76

**Ex306
 Chisel, Bull Point**



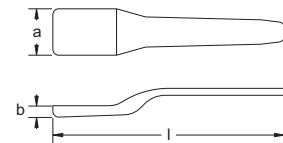
No.	s inch	l inch	Wt. lbs.	s mm	l mm	kg
Ex306-200	9/16	8	0.57	14	200	0.26
Ex306-250	5/8	10	0.94	16	250	0.43
Ex306-300	11/16	12	1.43	18	300	0.65
Ex306-400	3/4	16	2.40	20	400	1.09

**Ex307
 Chisel, Diamond Point**



No.	s inch	l inch	Wt. lbs.	s mm	l mm	kg
Ex307-200	9/16	8	0.58	14	200	0.26
Ex307-250	5/8	10	0.94	16	250	0.43
Ex307-300	11/16	12	1.44	18	300	0.65
Ex307-400	3/4	16	2.41	20	400	1.09

**Ex308A
 Caulking Tool**



No.	a inch	b inch	l inch	Wt. lbs.	a mm	b mm	l mm	kg
Ex308A-200	19/16	3/8	8	0.87	40	10	200	0.40

When ordering, specify:

A = Aluminum Bronze

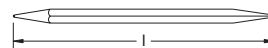
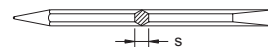
B = Copper Beryllium

Example: EX308B-32/10A

or

EX308B-32/10B

Ex308B Caulking Tool

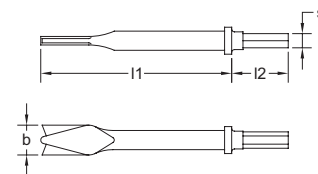


No.	s inch	l inch	Wt. lbs.	s mm	l mm	kg
Ex308B-32/10	1 1/4	40	15.06	32	1000	6.83
Ex308B-36/12	1 7/16	48	23.16	36	1200	10.51
Ex308B-36/15	1 7/16	60	28.72	36	1500	13.03
Ex308B-50/10	2	40	36.13	50	1000	16.39
Ex308B-50/12	2	48	44.25	50	1200	20.07

Ex309CP Chisel, For Machines

We can manufacture all kinds of pneumatic chisels – Bull Point, Flat Type, Scaling etc.

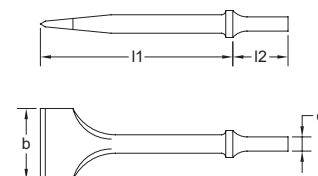
Let us know the size, type and shank dimension, and we will provide you with an estimate.



No.	b inch	s inch	l1 inch	l2 inch	Wt. lbs.	b mm	s mm	l1 mm	l2 mm	kg
Ex309CP-21	13/16	3/8	5 3/8	1 9/16	0.40	21	10	135	40	0.18

Ex309RP Chisel, For Machines

Available for different machines
Ask for specification sheet



No.	b inch	c inch	l1 inch	l2 inch	Wt. lbs.	b mm	c mm	l1 mm	l2 mm	kg
Ex309RP-50	2	3/8	5 7/16	1 9/16	0.49	50	10	136	39	0.22



If you don't see it.....we will make it.

- Special designs are made by request.
- Long life cutting edge.

When ordering, specify:

A = Aluminum Bronze

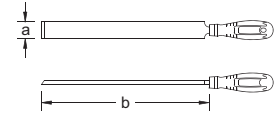
B = Copper Beryllium

Example: EX401-18A

or

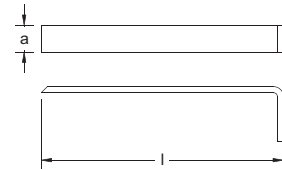
EX401-18B

Ex401
Scraper, Flat



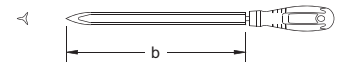
No.	a inch	b inch	Wt. lbs.	a mm	b mm	kg
Ex401-18	11/16	12	0.73	18	300	0.33
Ex401-30	13/16	12	1.17	30	300	0.53

Ex402
Scraper, Angle



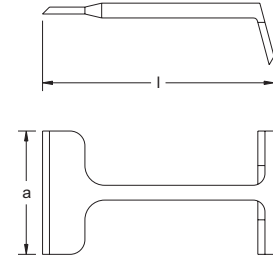
No.	a inch	l inch	Wt. lbs.	a mm	l mm	kg
Ex402-22	7/8	8	0.48	22	200	0.22
Ex402-25	1	12	0.78	25	300	0.36
Ex402-45	1 ^{3/4}	9	1.10	45	225	0.50
Ex402-50	2	12	1.57	50	300	0.71

Ex403
Scraper, Triangular



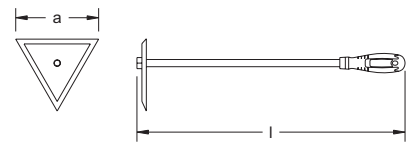
No.	b inch	Wt. lbs.	b mm	kg
Ex403-300	12	0.68	300	0.31

**Ex405
 Scraper, Deck**



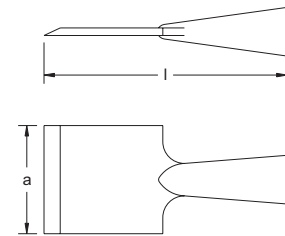
No.	a inch	l inch	Wt. lbs.	a mm	l mm	kg
Ex405-75	3	6	0.79	75	150	0.36
Ex405-125	5	9 ³ / ₈	2.18	125	235	0.99

**Ex406
 Scraper, Plate**



No.	a inch	l inch	Wt. lbs.	a mm	l mm	kg
Ex406-150	6	19 ³ / ₈	2.01	150	485	0.91

**Ex407
 Scraper, Long Blade**
 Handle Sold Separately



No.	a inch	l inch	Wt. lbs.	a mm	l mm	kg
Ex407-60	2 ³ / ₈	7 ³ / ₈	1.10	60	185	0.50
Ex407-100	4	9	2.82	100	225	1.28
Ex407-125	5	9	3.24	125	225	1.47
Ex407-150	6	7 ³ / ₁₆	2.45	150	180	1.11

When ordering, specify:

A = Aluminum Bronze

B = Copper Beryllium

Example: EX408-25A

or

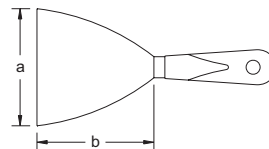
EX408-25B

Knife, Putty / Hand Scraper Ex408

Knife, Common Ex409

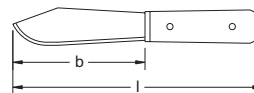
Knife, Common Ex410

Knife, Common Ex410S



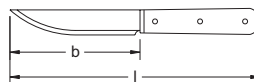
Ex408
Knife, Putty / Hand Scraper

No.	a inch	b inch	Wt. lbs.	a mm	b mm	kg
Ex408-25	1	4	0.11	25	100	0.05
Ex408-30	1 ³ / ₁₆	4	0.12	30	100	0.05
Ex408-40	1 ⁹ / ₁₆	4	0.14	40	100	0.07
Ex408-50	2	4	0.17	50	100	0.08
Ex408-60	2 ³ / ₈	4	0.19	60	100	0.09
Ex408-75	3	4	0.22	75	100	0.10
Ex408-80	3 ³ / ₁₆	4	0.24	80	100	0.11
Ex408-100	4	4	0.28	100	100	0.13



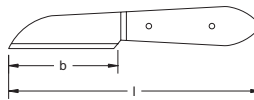
Ex409
Knife, Common

No.	b inch	l inch	Wt. lbs.	b mm	l mm	kg
Ex409-200	4 ¹ / ₄	8	0.15	106	200	0.067



Ex410
Knife, Common

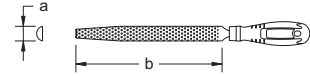
No.	b inch	l inch	Wt. lbs.	b mm	l mm	kg
Ex410-250	5 ³ / ₁₆	10	0.16	130	250	0.074



Ex410S
Knife, Common

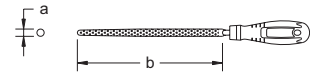
No.	b inch	l inch	Wt. lbs.	b mm	l mm	kg
Ex410S-180	3 ³ / ₁₆	7 ³ / ₁₆	0.13	80	180	0.059

Ex411
File, Half Round, Bastard



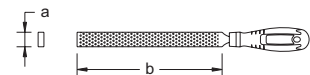
No.	a inch	b inch	Wt. lbs.	a mm	b mm	kg
Ex411-200	3/4	8	0.41	20	200	0.19
Ex411-250	15/16	10	0.73	24	250	0.33

Ex411R
File, Round



No.	a inch	b inch	Wt. lbs.	a mm	b mm	kg
Ex411R-100	9/64	4	0.02	3.5	100	0.01
Ex411R-200	9/32	8	0.15	7	200	0.07

Ex411F
File, Flat, Bastard



No.	a inch	b inch	Wt. lbs.	a mm	b mm	kg
Ex411F-200	3/4	8	0.41	20	200	0.19

When ordering, specify:

A = Aluminum Bronze

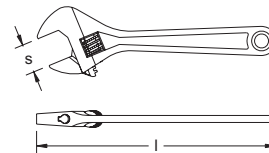
B = Copper Beryllium

Example: EX501-6A

or

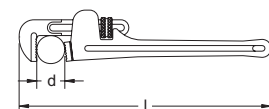
EX501-6B

Ex501
Wrench, Adjustable End



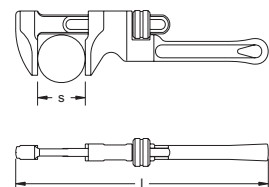
No.	s max inch	l inch	Wt. lbs.	s max mm	l mm	kg
Ex501-6	3/4	6	0.29	19	150	0.13
Ex501-8	15/16	8	0.62	24	200	0.28
Ex501-10	1 1/8	10	1.06	28	250	0.48
Ex501-12	1 3/8	12	1.68	34	300	0.76
Ex501-14	1 9/16	14	2.41	39	350	1.15
Ex501-15	1 3/4	15	3.13	45	375	1.42
Ex501-18	2 3/16	18	6.19	55	450	2.81
Ex501-24	2 3/8	24	10.87	60	600	4.93

Ex502
Wrench, Pipe
(American Type)



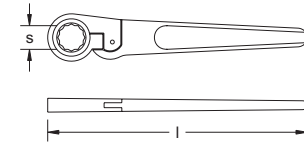
No.	d max inch	l inch	Wt. lbs.	d max mm	l mm	kg
Ex502-6	3/4	6	0.66	20	150	0.30
Ex502-8	1	8	1.04	25	200	0.47
Ex502-10	1 3/16	10	2.25	30	250	1.02
Ex502-12	1 9/16	12	3.26	40	300	1.48
Ex502-14	2	14	3.59	50	350	1.63
Ex502-18	2 3/8	18	6.28	60	450	2.85
Ex502-24	3	24	10.67	75	600	4.84
Ex502-36	3 3/8	36	17.17	85	900	7.79
Ex502-48	4 3/8	48	29.92	110	1200	13.57

Ex503
Wrench, Monkey



No.	s max inch	l inch	Wt. lbs.	s max mm	l mm	kg
Ex503-8	1 1/2	8	1.48	38	203	0.67
Ex503-10	1 7/8	10 1/8	1.83	48	254	0.83
Ex503-12	2 5/16	12	3.33	58	305	1.51
Ex503-15	2 3/4	15 3/16	4.83	70	380	2.19
Ex503-18	3 3/16	18 3/16	5.84	80	460	2.65
Ex503-22	4 1/8	21 3/8	6.84	105	540	3.10

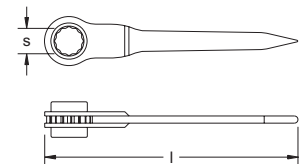
**Ex504
 Wrench, Ratchet**



No.	s inch	l inch	Wt. lbs.
Ex504-005U	3/8	8 ⁹ / ₁₆	0.77
Ex504-010U	1/2	8 ⁹ / ₁₆	0.77
Ex504-015U	9/16	8 ⁹ / ₁₆	0.77
Ex504-020U	11/16	8 ⁹ / ₁₆	0.77
Ex504-025U	3/4	10 ³ / ₈	1.15
Ex504-030U	7/8	10 ³ / ₈	1.32
Ex504-035U	15/16	10 ³ / ₈	1.32
Ex504-040U	1	15 ³ / ₄	2.60
Ex504-045U	1 ¹ / ₁₆	15 ³ / ₄	2.60
Ex504-050U	1 ³ / ₁₆	15 ³ / ₄	2.84
Ex504-055U	1 ¹ / ₄	15 ³ / ₄	2.91
Ex504-060U	1 ⁷ / ₁₆	20	4.52
Ex504-065U	1 ⁵ / ₈	20 ³ / ₈	5.25
Ex504-070U	1 ¹³ / ₁₆	29 ⁹ / ₁₆	8.73
Ex504-075U	2	29 ⁹ / ₁₆	10.85

No.	s mm	l mm	Wt. kg
Ex504-9	9	215	0.35
Ex504-11	11	215	0.35
Ex504-13	13	215	0.35
Ex504-14	14	215	0.35
Ex504-17	17	215	0.35
Ex504-19	19	260	0.52
Ex504-22	22	260	0.60
Ex504-24	24	260	0.60
Ex504-27	27	395	1.18
Ex504-30	30	395	1.29
Ex504-32	32	395	1.32
Ex504-36	36	500	2.05
Ex504-41	41	510	2.38
Ex504-46	46	740	3.96
Ex504-50	50	740	4.92

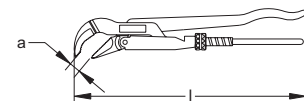
**Ex504S
 Wrench, Ratchet**



No.	s inch	l inch	Wt. lbs.
Ex504S-005U	15/16	9 ⁹ / ₁₆	1.10
Ex504S-010U	1 ¹ / ₁₆	10 ³ / ₄	1.59
Ex504S-015U	1 ³ / ₁₆	12	1.96
Ex504S-020U	1 ¹ / ₄	12 ³ / ₄	2.20
Ex504S-025U	1 ⁷ / ₁₆	13 ³ / ₁₆	2.65
Ex504S-030U	1 ⁵ / ₈	13 ³ / ₁₆	3.02

No.	s mm	l mm	Wt. kg
Ex504S-24	24	240	0.50
Ex504S-27	27	270	0.72
Ex504S-30	30	300	0.89
Ex504S-32	32	320	1.00
Ex504S-36	36	330	1.20
Ex504S-41	41	330	1.37

**Ex505
 Pliers, Swedish (DIN 5234)**



No.	a max inch	l inch	Wt. lbs.	a max mm	l mm	Wt. kg
Ex505-005U	1 ⁹ / ₁₆	12	1.52	40	300	0.69
Ex505-010U	2 ³ / ₁₆	16 ³ / ₄	3.28	55	420	1.49
Ex505-015U	2 ¹¹ / ₁₆	21 ³ / ₁₆	7.14	67	530	3.24

When ordering, specify:

A = Aluminum Bronze

B = Copper Beryllium

Example: EX600-2A

or

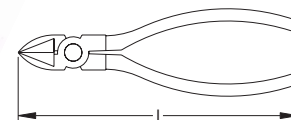
EX600-2B

Ex600
Wrench, Chain Pipe



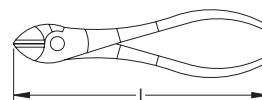
No.	d max inch	l inch	Wt. lbs.	d max mm	l mm	kg
Ex600-2	2	24	3.53	50	600	1.60
Ex600-4	4	24	3.99	100	600	1.81
Ex600-6	6	24	4.39	150	600	1.99
Ex600-12	12	24	5.63	300	1830	2.56

Ex601
Pliers, Diagonal Cutting
CuBe only



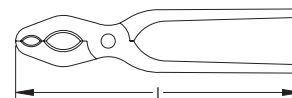
No.	l inch	Wt. lbs.	l mm	kg
Ex601-6	6 ^{3/8}	0.40	160	0.18
Ex601-8	8	0.53	200	0.24

Ex601HD
**Pliers, Diagonal Cutting,
Heavy Duty**
CuBe only



No.	l inch	Wt. lbs.	l mm	kg
Ex601HD-6	6 ^{3/8}	0.37	160	0.17
Ex601HD-7	7 ^{3/16}	0.46	180	0.21

Ex602
Pliers, Pipe



No.	l inch	Wt. lbs.	l mm	kg
Ex602-200	8	0.99	200	0.45



Ergonomic Handles

- Ergonomic two-component handle on all CS Unitec Pliers.
- Maximum Handgrip prevents slipping.
- Unique handle design for Safety Tools.

When ordering, specify:

A = Aluminum Bronze

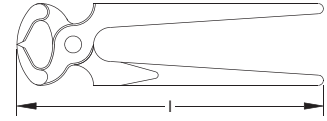
B = Copper Beryllium

Example: EX603-7A

or

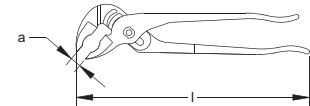
EX603-7B

**Ex603
Pliers, Cutting**



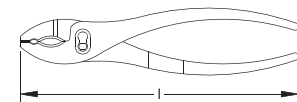
No.	l inch	Wt. lbs.	l mm	kg
Ex603-7	7 ³ / ₁₆	0.71	180	0.32
Ex603-8	8	1.15	200	0.52

**Ex604
Pliers, Groove Joint**



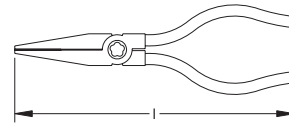
No.	a max inch	l inch	Wt. lbs.	a max mm	l mm	kg
Ex604-10	1 ¹ / ₈	10	0.75	28	250	0.34
Ex604-12	1 ⁷ / ₈	12	1.21	48	300	0.55
Ex604-14	2 ³ / ₁₆	14	2.60	55	350	1.18
Ex604-16	3 ³ / ₁₆	17 ³ / ₁₆	3.66	80	430	1.66

**Ex605
Pliers, Adjustable
Combination**



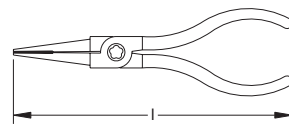
No.	l inch	Wt. lbs.	l mm	kg
Ex605-8	8	0.46	200	0.21

Ex606
Pliers, Flat Nose
 (DIN ISO 5745)



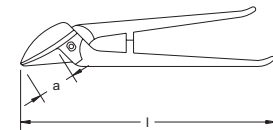
No.	l inch	Wt. lbs.	l mm	kg
Ex606-6	6	0.37	150	0.17

Ex607
Pliers, Round Nose
 (DIN ISO 5745)



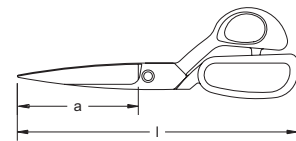
No.	l inch	Wt. lbs.	l mm	kg
Ex607-6	6	0.31	150	0.14

Ex608
Shears, Cutting



No.	a inch	l inch	Wt. lbs.	a mm	l mm	kg
Ex608-275	1 ¹¹ / ₁₆	11	1.21	43	275	0.55

Ex609
Scissors



No.	a inch	l inch	Wt. lbs.	a mm	l mm	kg
Ex609-225	3 ⁷ / ₈	9	0.81	97	225	0.37

When ordering, specify:

A = Aluminum Bronze

B = Copper Beryllium

Example: EX610-100A

or

EX610-100B

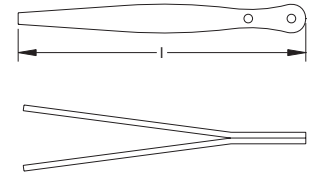
Tweezer Ex610

Tweezer Ex610S

Pliers, Long-Nose w/Side Cutter (DIN ISO 5745) Ex611

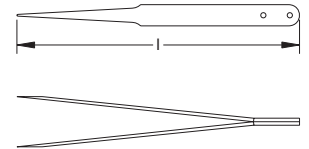
Pliers, Lineman's, Side Cutting Ex612

**Ex610
Tweezer**



No.	l inch	Wt. lbs.	l mm	kg
Ex610-100	4	0.05	100	0.022
Ex610-200	8	0.13	200	0.061

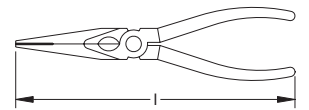
**Ex610S
Tweezer**



No.	l inch	Wt. lbs.	l mm	kg
Ex6010S-155	6 ³ / ₁₆	0.10	155	0.046

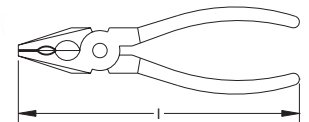
**Ex611
Pliers, Long-Nose
w/Side Cutter**

(DIN ISO 5745)

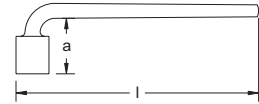


No.	l inch	Wt. lbs.	l mm	kg
Ex611-6	6	0.35	150	0.16
Ex611-7	7 ³ / ₁₆	0.46	180	0.21

**Ex612
Pliers, Lineman's,
Side Cutting**



No.	l inch	Wt. lbs.	l mm	kg
Ex612-6	6 ³ / ₈	0.55	160	0.25
Ex612-7	7 ³ / ₁₆	0.57	180	0.26
Ex612-8	8	1.01	200	0.46



Ex701
Wrench, Socket
L-Type, 6-Point

No.	s inch	a inch	l inch	Wt. lbs.
Ex701-005U	1/4	7/8	33/4	0.08
Ex701-010U	5/16	17/16	41/4	0.22
Ex701-015U	11/32	17/16	67/16	0.33
Ex701-020U	3/8	17/16	67/16	0.22
Ex701-025U	13/32	17/16	67/16	0.33
Ex701-030U	7/16	17/16	67/16	0.33
Ex701-035U	1/2	17/16	67/16	0.37
Ex701-040U	9/16	17/16	67/16	0.35
Ex701-045U	19/32	17/16	67/16	0.35
Ex701-050U	5/8	21/16	87/16	0.66
Ex701-055U	11/16	21/16	87/16	0.66
Ex701-060U	3/4	21/16	87/16	0.77
Ex701-065U	25/32	21/16	87/16	0.81
Ex701-070U	13/16	21/4	87/16	0.82
Ex701-075U	7/8	21/4	87/16	0.77
Ex701-080U	15/16	21/4	99/16	0.88
Ex701-085U	31/32	21/4	99/16	0.92
Ex701-090U	1	21/4	99/16	0.98
Ex701-095U	11/16	21/4	99/16	1.04
Ex701-100U	11/8	21/4	99/16	1.01
Ex701-105U	13/16	29/16	103/8	1.85
Ex701-110U	11/4	29/16	103/8	1.79

No.	s mm	a mm	l mm	ΔΔ kg
Ex701-6	6	23	95	0.037
Ex701-8	8	37	107	0.100
Ex701-9	9	37	107	0.100
Ex701-10	10	37	107	0.120
Ex701-11	11	37	161	0.150
Ex701-12	12	37	161	0.150
Ex701-13	13	37	161	0.170
Ex701-14	14	37	161	0.170
Ex701-15	15	37	161	0.160
Ex701-16	16	52	211	0.300
Ex701-17	17	52	211	0.300
Ex701-18	18	52	211	0.350
Ex701-19	19	52	211	0.350
Ex701-20	20	57	211	0.350
Ex701-21	21	57	211	0.370
Ex701-22	22	57	211	0.350
Ex701-23	23	57	240	0.410
Ex701-24	24	57	240	0.400
Ex701-25	25	57	240	0.470
Ex701-26	26	57	240	0.470
Ex701-27	27	57	240	0.470
Ex701-28	28	57	240	0.460
Ex701-29	29	57	240	0.460
Ex701-30	30	65	260	0.840
Ex701-32	32	65	260	0.810

When ordering, specify:

A = Aluminum Bronze

B = Copper Beryllium

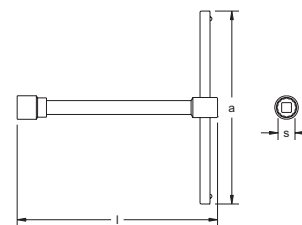
Example: EX702-005UA

or

EX702-005UB

Ex702
Wrench, Socket

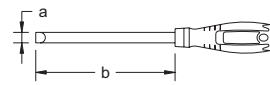
T-Type, 12-Point



No.	s inch	a inch	l inch	Wt. lbs.
Ex702-005U	5/16	8	6 ³ / ₄	1.28
Ex702-010U	11/32	8	6 ³ / ₄	1.28
Ex702-015U	3/8	8	6 ³ / ₄	1.28
Ex702-020U	13/32	8	6 ³ / ₄	1.28
Ex702-025U	7/16	8	6 ³ / ₄	1.28
Ex702-030U	1/2	8	6 ³ / ₄	1.28
Ex702-035U	9/16	8	6 ³ / ₄	1.28
Ex702-040U	19/32	10	10 ³ / ₈	1.59
Ex702-045U	5/8	10	10 ³ / ₈	1.59
Ex702-050U	11/16	10	10 ³ / ₈	1.59
Ex702-055U	3/4	8	9 ³ / ₁₆	1.59
Ex702-060U	25/32	10	10 ³ / ₈	1.59
Ex702-065U	13/16	10	10 ³ / ₈	1.59
Ex702-070U	7/8	10	10 ³ / ₈	2.14
Ex702-075U	15/16	10	10 ³ / ₈	2.09
Ex702-080U	31/32	10 ³ / ₈	10 ³ / ₈	2.14
Ex702-085U	1	10 ³ / ₈	10 ³ / ₈	2.14
Ex702-090U	1 ¹ / ₁₆	10 ³ / ₈	10 ³ / ₈	2.14
Ex702-095U	1 ¹ / ₈	10 ³ / ₈	10 ³ / ₈	2.14
Ex702-100U	1 ³ / ₁₆	10 ³ / ₈	10 ³ / ₈	2.29
Ex702-105U	1 ¹ / ₄	1 ¹³ / ₁₆	1 ¹³ / ₁₆	2.47
Ex702-110U	1 ⁵ / ₁₆	1 ¹³ / ₁₆	1 ¹³ / ₁₆	2.47

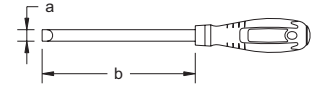
No.	s mm	a mm	l mm	Wt. kg
Ex702-8	8	200	170	0.58
Ex702-9	9	200	170	0.58
Ex702-10	10	200	170	0.58
Ex702-11	11	200	170	0.58
Ex702-12	12	200	170	0.58
Ex702-13	13	200	170	0.58
Ex702-14	14	200	170	0.58
Ex702-15	15	200	230	0.72
Ex702-16	16	200	230	0.72
Ex702-17	17	200	230	0.72
Ex702-18	18	200	230	0.72
Ex702-19	19	200	230	0.72
Ex702-20	20	250	260	0.97
Ex702-21	21	250	260	0.97
Ex702-22	22	250	260	0.97
Ex702-23	23	250	260	0.97
Ex702-24	24	250	260	0.95
Ex702-25	25	260	260	1.04
Ex702-26	26	260	260	1.04
Ex702-27	27	260	260	1.04
Ex702-28	28	260	260	1.04
Ex702-29	29	260	260	1.04

Ex801
Screwdriver, Standard



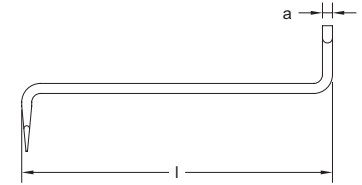
No.	a inch	b inch	Wt. lbs.	a mm	b mm	Wt. kg
Ex801-3	1/8	2	0.02	3	75	0.0075
Ex801-4	3/16	4	0.04	4	100	0.016
Ex801-6S	1/4	4	0.08	6	100	0.038
Ex801-6	1/4	6	0.11	6	150	0.048
Ex801-8	5/16	6	0.21	8	150	0.092
Ex801-10S	3/8	8	0.38	10	200	0.17
Ex801-10	3/8	12	0.55	10	300	0.25

Ex801S
Screwdriver
 Striking



No.	a inch	b inch	Wt. lbs.	a mm	b mm	kg
Ex801S-8	5/16	6	0.51	8	150	0.23

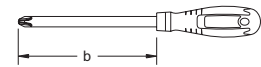
Ex802
Screwdriver, Offset



No.	a inch	b inch	Wt. lbs.
Ex802-010U	1/8	4	0.02
Ex802-020U	1/4	5 ⁹ / ₁₆	0.11
Ex802-030U	3/8	7 ³ / ₁₆	0.42
Ex802-040U	9/16	10	1.10

No.	a mm	b mm	kg
Ex802-3	3	100	0.0078
Ex802-4	4	110	0.016
Ex802-6	6	140	0.048
Ex802-8	8	160	0.098
Ex802-10	10	180	0.19
Ex802-12	12	200	0.30
Ex802-14	14	250	0.50

Ex803
Screwdriver, Phillips



No.	b inch	Wt. lbs.	b mm	kg
Ex803-0	2 ³ / ₈	0.015	60	0.0066
Ex803-1	3 ³ / ₁₆	0.048	80	0.022
Ex803-2	4	0.079	100	0.036
Ex803-3	6	0.19	150	0.085
Ex803-4	8	0.37	200	0.17

When ordering, specify:

A = Aluminum Bronze

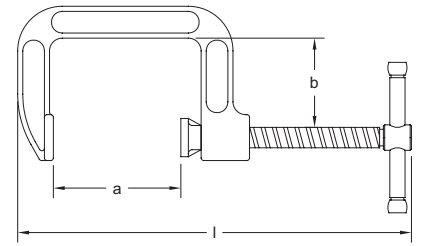
B = Copper Beryllium

Example: EX901-100A

or

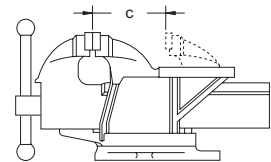
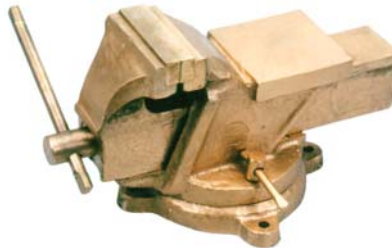
EX901-100B

**Ex901
Clamp, C-Type**



No.	a max inch	b inch	l inch	Wt. lbs.	a max mm	b mm	l mm	Δ± kg
Ex901-100	4	2 ³ / ₄	12 ³ / ₈	3.77	100	70	309	1.71

**Ex902
Parallel Vise**



No.	c max inch	Wt. lbs.	c max mm	Δ± kg
Ex902-100	4	37.21	100	16.88
Ex902-125	5	43.30	125	19.64



Technology

- Shovels are sheet pressed
- Digging tools are designed according to international standards

When ordering, specify:

A = Aluminum Bronze

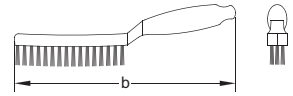
B = Copper Beryllium

Example: EX1001-3A

or

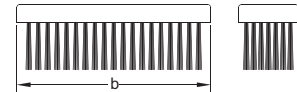
EX1001-3B

Ex1001
Brush, Straight Handle, Scratch



No.	Rows	b inch	Wt. lbs.	b mm	kg
Ex1001-3	3	1 13/16	0.33	280	0.15
Ex1001-4	4	1 13/16	0.44	280	0.20

Ex1002
Brush, Flat Back, Scratch



No.	Rows	b inch	Wt. lbs.	b mm	kg
Ex1002-5	5	7 3/8	0.66	185	0.3

Dust Pan Ex1004
 Shovel, Square Point with Long Handle Ex1005
 Shovel, Round Point with Long Handle Ex1006
 Spade, Edging with D-Grip Ex1007

When ordering, specify:

A = Aluminum Bronze

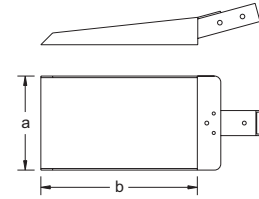
B = Copper Beryllium

Example: EX1004-120A

or

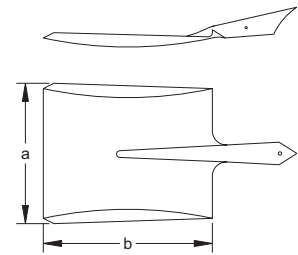
EX1004-120B

**Ex1004
Dust Pan**



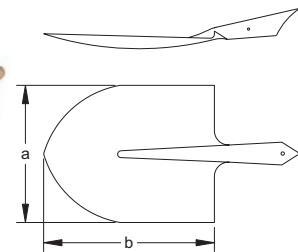
No.	a inch	b inch	Wt. lbs.	a mm	b mm	kg
Ex1004-120	4 ³ / ₄	8	0.79	120	200	0.36

**Ex1005
Shovel, Square Point
With Long Handle**



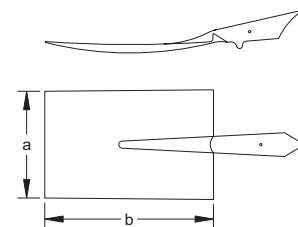
No.	a inch	b inch	Wt. lbs.	a mm	b mm	kg
Ex1005-250	10	12	2.56	250	300	1.16

**Ex1006
Shovel, Round Point
With Long Handle**



No.	a inch	b inch	Wt. lbs.	a mm	b mm	kg
Ex1006-243	9 ¹¹ / ₁₆	12	2.82	243	300	1.28

**Ex1007
Spade, Edging
With D-Grip**



No.	a inch	b inch	Wt. lbs.	a mm	b mm	kg
Ex1007-180	7 ³ / ₁₆	11 ³ / ₈	2.62	180	285	1.19

When ordering, specify:

A = Aluminum Bronze

B = Copper Beryllium

Example: EX1008-420A

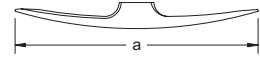
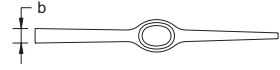
or

EX1008-420B

Pick, Railroad or Clay Ex1008

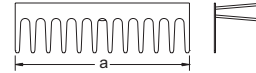
Rake Ex1009

Fork, Garden (Handle included) Ex1010



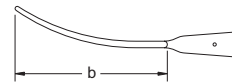
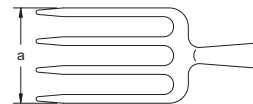
Ex1008
Pick, Railroad or Clay

No.	a inch	b inch	Wt. lbs.	a mm	b mm	kg
Ex1008-420	16 ^{3/4}	1	2.65	420	25	1.20
Ex1008-560	22 ^{3/8}	1 ^{3/16}	4.54	560	30	2.06
Ex1008-640	25 ^{9/16}	1 ^{3/8}	9.85	640	35	4.47



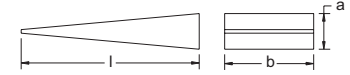
Ex1009
Rake

No.	a inch	Wt. lbs.	a mm	kg
Ex1009-300	12	0.73	300	0.33



Ex1010
Fork, Garden
(Handle included)

No.	a inch	b inch	Wt. lbs.	a mm	b mm	kg
Ex1010-175	7	11 ^{3/16}	4.10	175	280	1.86

**Ex1101
Wedge, Flange**


No.	a inch	b inch	l inch	Wt. lbs.
Ex1101-1	1/4	9/16	3-3/16	0.04
Ex1101-2	1/2	3/4	4-1/16	0.18
Ex1101-3	1/2	1	6	0.42
Ex1101-4	3/4	1-1/2	6	0.92
Ex1101-5	1/2	1-1/4	3-3/16	0.64
Ex1101-6	3/4	2	3-3/16	1.56
Ex1101-7	1-5/8	1-1/2	8	2.50
Ex1101-8	1	1-1/2	8	1.72
Ex1101-9	3/4	2	8	1.66
Ex1101-10	1-1/4	2	8	2.96
Ex1101-12	3/8	2	3-9/16	0.40
Ex1101-13	1/2	1-1/8	4-1/2	0.88
Ex1101-14	3/4	1-1/2	9	2.19
Ex1101-15	3/4	1-1/4	6	1.38
Ex1101-16	3/4	2	6	2.00
Ex1101-17	5/16	1	6	0.82

When ordering, specify:

A = Aluminum Bronze

B = Copper Beryllium

Example: EX1102-60A

or

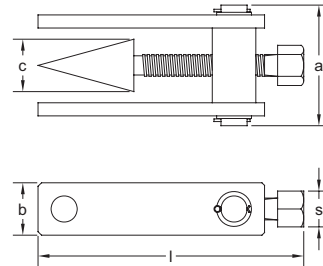
EX1102-60B

Flange Spreader Ex1102

Axe Ex1201

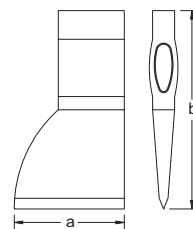
Hatchet Ex1202

Bar, Pinch Ex1301



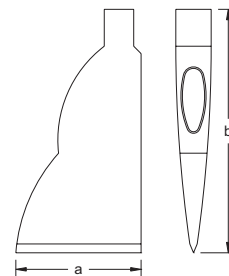
**Ex1102
Flange Spreader**

No.	a inch	b inch	c inch	s inch	l inch	Wt. lbs.	a mm	b mm	c mm	s mm	l mm	kg
Ex1102-60	5 ⁹ / ₁₆	2 ³ / ₈	2 ³ / ₈	1 ¹³ / ₁₆	12 ³ / ₁₆	14.53	140	60	60	46	305	6.59



**Ex1201
Axe**

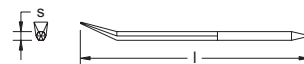
No.	a inch	b inch	Wt. lbs.	a mm	b mm	kg
Ex1201-100	4	7 ³ / ₁₆	4.19	100	180	1.90



**Ex1202
Hatchet**

No.	a inch	b inch	Wt. lbs.	a mm	b mm	kg
Ex1202-85	3 ¹³ / ₃₂	6 ¹⁹ / ₃₂	2.71	85	165	1.23

**Ex1301
Bar, Pinch**



No.	s inch	l inch	Wt. lbs.	s mm	l mm	kg
Ex1301-500	3/4	20	2.69	19	500	1.22
Ex1301-800	7/8	32	5.56	23	800	2.52
Ex1301-1000	1 ¹ / ₈	40	11.04	28	1000	5.01
Ex1301-1000L	1 ³ / ₁₆	40	12.50	30	1000	5.67



The shape makes a difference

- CS Unitec Sockets are manufactured with a Round Corner
- Drop forged for high strength
- Designed according to DIN Standards

When ordering, specify:

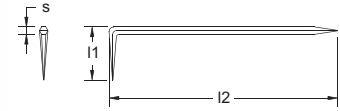
A = Aluminum Bronze

B = Copper Beryllium

Example: EX1302-300A

or

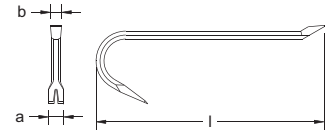
EX1302-300B



Ex1302

Angle Tracing Point

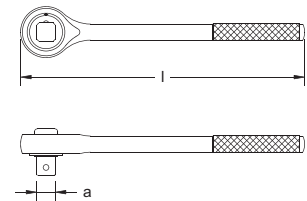
No.	s inch	l1 inch	l2 inch	Wt. lbs.	s mm	l1 mm	l2 mm	kg
Ex1302-300	5/8	4 ⁵ / ₈	12	1.28	16	116	300	0.58
Ex1302-500	5/8	4 ⁵ / ₈	20	2.11	16	116	500	0.96
Ex1302-600	3/4	5 ⁹ / ₁₆	24	3.93	20	140	600	1.78
Ex1302-800	7/8	6 ⁷ / ₁₆	32	6.30	22	162	800	2.86



Ex1303

Bar, Crow

No.	a inch	b inch	l inch	Wt. lbs.	a mm	b mm	l mm	kg
Ex1303-460	1 ³ / ₁₆	7/8	18 ³ / ₈	3.06	30	22	460	1.39
Ex1303-600	1 ³ / ₈	1 ¹ / ₈	24	5.07	35	28	600	2.30
Ex1303-760	1 ³ / ₈	1 ¹ / ₈	30 ³ / ₈	7.09	35	28	760	3.22
Ex1303-900	1 ³ / ₈	1 ¹ / ₈	36	7.76	35	28	900	3.52

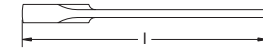
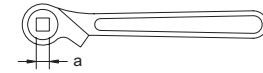


Ex1501S

Wrench, Ratchet

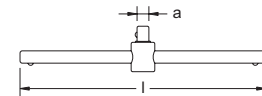
No.	a inch	l inch	Wt. lbs.	l mm	kg
Ex1501S-A	1/4	6	0.35	150	0.16
Ex1501S-B	1/2	10 ³ / ₈	1.32	260	0.60
Ex1501S-C	3/4	15 ⁹ / ₁₆	5.03	390	2.28
Ex1501S-D	1	16	5.25	410	2.40

Ex1501 Wrench, Ratchet



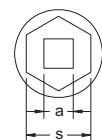
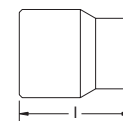
No.	a inch	l inch	Wt. lbs.	l mm	kg
Ex1501-A	3/8	7 ³ / ₁₆	0.49	180	0.22
Ex1501-B	1/2	10	0.99	250	0.45
Ex1501-C	3/4	15 ⁹ / ₁₆	3.31	390	1.50
Ex1501-D	1	15 ⁹ / ₁₆	3.31	390	1.50

Ex1502 Bar, Sliding



No.	a inch	l inch	Wt. lbs.	l mm	kg
Ex1502-AA	1/4	6	0.15	150	0.068
Ex1502-A	3/8	7 ³ / ₁₆	0.49	180	0.22
Ex1502-B	1/2	10	0.82	250	0.37
Ex1502-C	3/4	16	2.89	400	1.31
Ex1502-D	1	16	3.57	400	1.62

Ex1503AA Socket 1/4" Drive



No.	a inch	s inch	l inch	Wt. lbs.
Ex1503AA-005U	1/4	1/8	7/8	0.02
Ex1503AA-010U	1/4	3/16	7/8	0.02
Ex1503AA-012U	1/4	7/32	7/8	0.02
Ex1503AA-015U	1/4	1/4	7/8	0.02
Ex1503AA-017U	1/4	9/32	7/8	0.04
Ex1503AA-020U	1/4	5/16	7/8	0.04
Ex1503AA-022U	1/4	11/32	7/8	0.04
Ex1503AA-025U	1/4	3/8	7/8	0.04
Ex1503AA-030U	1/4	7/16	1	0.04
Ex1503AA-035U	1/4	1/2	1	0.07
Ex1503AA-040U	1/4	9/16	1	0.07

No.	a inch	s mm	l mm	kg
Ex1503AA-3	1/4	3	23	0.01
Ex1503AA-4	1/4	4	23	0.01
Ex1503AA-4.5	1/4	4.5	23	0.01
Ex1503AA-5	1/4	5	23	0.01
Ex1503AA-5.5	1/4	5.5	23	0.01
Ex1503AA-6	1/4	6	23	0.01
Ex1503AA-7	1/4	7	23	0.01
Ex1503AA-8	1/4	8	23	0.02
Ex1503AA-9	1/4	9	23	0.02
Ex1503AA-10	1/4	10	23	0.02
Ex1503AA-11	1/4	11	25	0.02
Ex1503AA-12	1/4	12	25	0.03
Ex1503AA-13	1/4	13	25	0.03
Ex1503AA-14	1/4	14	25	0.03

When ordering, specify:

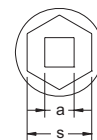
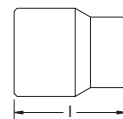
A = Aluminum Bronze

B = Copper Beryllium

Example: EX1503A-005UA

or

EX1503A-005UB



Ex1503A Socket 3/8" Drive

No.	a inch	s inch	l inch	Wt. lbs.
Ex1503A-005U	3/8	1/4	1 1/4	0.04
Ex1503A-010U	3/8	5/16	1 1/4	0.04
Ex1503A-015U	3/8	3/8	1 1/4	0.04
Ex1503A-020U	3/8	7/16	1 1/4	0.09
Ex1503A-025U	3/8	1/2	1 1/4	0.09
Ex1503A-030U	3/8	9/16	1 1/4	0.11
Ex1503A-035U	3/8	5/8	1 3/8	0.13
Ex1503A-040U	3/8	11/16	1 3/8	0.13
Ex1503A-045U	3/8	3/4	1 3/8	0.15
Ex1503A-050U	3/8	13/16	1 1/2	0.18
Ex1503A-055U	3/8	7/8	1 1/2	0.20

No.	a inch	s mm	l mm	Wt. kg
Ex1503A-6	3/8	6	31	0.02
Ex1503A-7	3/8	7	31	0.02
Ex1503A-8	3/8	8	31	0.02
Ex1503A-9	3/8	9	31	0.02
Ex1503A-10	3/8	10	31	0.03
Ex1503A-11	3/8	11	31	0.04
Ex1503A-12	3/8	12	31	0.04
Ex1503A-13	3/8	13	31	0.04
Ex1503A-14	3/8	14	31	0.05
Ex1503A-15	3/8	15	34	0.06
Ex1503A-16	3/8	16	34	0.06
Ex1503A-17	3/8	17	34	0.06
Ex1503A-18	3/8	18	34	0.07
Ex1503A-19	3/8	19	34	0.07
Ex1503A-20	3/8	20	38	0.08
Ex1503A-21	3/8	21	38	0.08
Ex1503A-22	3/8	22	38	0.09

Ex1503B Socket 1/2" Drive

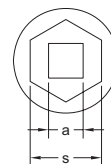
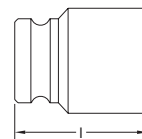
No.	a inch	s inch	l inch	Wt. lbs.
Ex1503B-005U	1/2	1/4	1 1/2	0.15
Ex1503B-010U	1/2	5/16	1 1/2	0.18
Ex1503B-015U	1/2	3/8	1 1/2	0.18
Ex1503B-020U	1/2	7/16	1 1/2	0.18
Ex1503B-025U	1/2	1/2	1 1/2	0.18
Ex1503B-030U	1/2	9/16	1 1/2	0.18
Ex1503B-035U	1/2	5/8	1 1/2	0.20
Ex1503B-040U	1/2	11/16	1 1/2	0.22
Ex1503B-045U	1/2	3/4	1 1/2	0.24
Ex1503B-047U	1/2	25/32	1 1/2	0.24
Ex1503B-050U	1/2	13/16	1 1/2	0.24
Ex1503B-055U	1/2	7/8	1 1/2	0.26
Ex1503B-060U	1/2	15/16	1 1/2	0.31
Ex1503B-065U	1/2	1	1 1/2	0.31
Ex1503B-070U	1/2	1 1/16	1 9/16	0.40
Ex1503B-075U	1/2	1 1/8	1 9/16	0.44
Ex1503B-080U	1/2	1 3/16	1 11/16	0.46
Ex1503B-085U	1/2	1 1/4	1 11/16	0.51
Ex1503B-090U	1/2	15/16	1 11/16	0.55
Ex1503B-095U	1/2	1 3/8	1 11/16	0.60
Ex1503B-100U	1/2	1 7/16	1 11/16	0.64
Ex1503B-110U	1/2	1 1/2	1 11/16	0.69

No.	a inch	s mm	l mm	Wt. kg
Ex1503B-6	1/2	6	38	0.07
Ex1503B-7	1/2	7	38	0.07
Ex1503B-8	1/2	8	38	0.08
Ex1503B-9	1/2	9	38	0.08
Ex1503B-10	1/2	10	38	0.08
Ex1503B-11	1/2	11	38	0.08
Ex1503B-12	1/2	12	38	0.08
Ex1503B-13	1/2	13	38	0.08
Ex1503B-14	1/2	14	38	0.08
Ex1503B-15	1/2	15	38	0.08
Ex1503B-16	1/2	16	38	0.09
Ex1503B-17	1/2	17	38	0.10
Ex1503B-18	1/2	18	38	0.11
Ex1503B-19	1/2	19	38	0.11
Ex1503B-20	1/2	20	38	0.11
Ex1503B-21	1/2	21	38	0.11
Ex1503B-22	1/2	22	38	0.12
Ex1503B-23	1/2	23	38	0.13
Ex1503B-24	1/2	24	38	0.14
Ex1503B-25	1/2	25	38	0.14
Ex1503B-26	1/2	26	38	0.16
Ex1503B-27	1/2	27	40	0.18
Ex1503B-28	1/2	28	40	0.20
Ex1503B-29	1/2	29	40	0.20
Ex1503B-30	1/2	30	42	0.21
Ex1503B-32	1/2	32	42	0.23

When ordering, specify:

B = Copper Beryllium

Example: EX1710-005UB



Ex1710
Socket, Impact 3/8" Drive
CuBe only

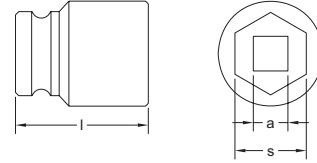
No.	a inch	s inch	l inch	Wt. lbs.
Ex1710-005U	3/8	1/4	1 1/4	0.11
Ex1710-010U	3/8	5/16	1 1/4	0.11
Ex1710-015U	3/8	3/8	1 1/4	0.11
Ex1710-020U	3/8	7/16	1 1/4	0.11
Ex1710-025U	3/8	1/2	1 1/4	0.15
Ex1710-030U	3/8	9/16	1 1/4	0.15
Ex1710-035U	3/8	5/8	1 3/8	0.17
Ex1710-040U	3/8	11/16	1 3/8	0.18
Ex1710-045U	3/8	3/4	1 3/8	0.20

No.	a inch	s mm	l mm	Wt. kg
Ex1710-7	3/8	7	31	0.049
Ex1710-8	3/8	8	31	0.049
Ex1710-9	3/8	9	31	0.049
Ex1710-10	3/8	10	31	0.049
Ex1710-11	3/8	11	31	0.048
Ex1710-12	3/8	12	31	0.046
Ex1710-13	3/8	13	31	0.066
Ex1710-14	3/8	14	31	0.066
Ex1710-15	3/8	15	34	0.068
Ex1710-16	3/8	16	34	0.077
Ex1710-17	3/8	17	34	0.082
Ex1710-18	3/8	18	34	0.087
Ex1710-19	3/8	19	34	0.092

Ex1730
Socket, Impact 1/2" Drive
CuBe only

No.	a inch	s inch	l inch	Wt. lbs.
Ex1730-005U	1/2	5/16	1 9/16	0.24
Ex1730-010U	1/2	3/8	1 9/16	0.24
Ex1730-015U	1/2	7/16	1 9/16	0.24
Ex1730-020U	1/2	1/2	1 9/16	0.24
Ex1730-025U	1/2	9/16	1 9/16	0.24
Ex1730-030U	1/2	5/8	1 9/16	0.37
Ex1730-035U	1/2	11/16	1 9/16	0.37
Ex1730-040U	1/2	3/4	1 9/16	0.37
Ex1730-045U	1/2	13/16	1 9/16	0.40
Ex1730-050U	1/2	7/8	1 9/16	0.44
Ex1730-055U	1/2	15/16	1 9/16	0.44
Ex1730-060U	1/2	1	1 9/16	0.44
Ex1730-065U	1/2	1 1/16	1 9/16	0.46
Ex1730-070U	1/2	1 1/8	1 9/16	0.49
Ex1730-075U	1/2	1 3/16	1 9/16	0.53

No.	a inch	s mm	l mm	Wt. kg
Ex1730-8	1/2	8	40	0.11
Ex1730-9	1/2	9	40	0.11
Ex1730-10	1/2	10	40	0.11
Ex1730-11	1/2	11	40	0.11
Ex1730-12	1/2	12	40	0.11
Ex1730-13	1/2	13	40	0.11
Ex1730-14	1/2	14	40	0.11
Ex1730-15	1/2	15	40	0.17
Ex1730-16	1/2	16	40	0.17
Ex1730-17	1/2	17	40	0.17
Ex1730-18	1/2	18	40	0.16
Ex1730-19	1/2	19	40	0.17
Ex1730-21	1/2	21	40	0.18
Ex1730-22	1/2	22	40	0.20
Ex1730-24	1/2	24	40	0.19
Ex1730-27	1/2	27	40	0.21
Ex1730-28	1/2	28	40	0.22
Ex1730-29	1/2	29	40	0.22
Ex1730-30	1/2	30	40	0.24



Ex1740
Socket, Impact 3/4" Drive
CuBe only

No.	a inch	s inch	l inch	Wt. lbs.
Ex1740-005U	3/4	3/4	1 ¹⁵ / ₁₆	1.04
Ex1740-010U	3/4	13/16	1 ¹⁵ / ₁₆	1.04
Ex1740-015U	3/4	7/8	1 ¹⁵ / ₁₆	1.04
Ex1740-020U	3/4	15/16	1 ¹⁵ / ₁₆	1.04
Ex1740-030U	3/4	1 ¹ / ₁₆	2	1.06
Ex1740-035U	3/4	1 ¹ / ₈	2	1.04
Ex1740-040U	3/4	1 ³ / ₁₆	2	1.10
Ex1740-045U	3/4	1 ¹ / ₄	2 ¹ / ₈	1.26
Ex1740-050U	3/4	1 ³ / ₈	2 ¹ / ₈	1.32
Ex1740-055U	3/4	1 ⁷ / ₁₆	2 ¹ / ₄	1.46
Ex1740-070U	3/4	1 ⁵ / ₈	2 ⁵ / ₁₆	1.72

No.	a inch	s mm	l mm	kg
Ex1740-19	3/4	19	49	0.47
Ex1740-21	3/4	21	49	0.47
Ex1740-22	3/4	22	49	0.47
Ex1740-23	3/4	23	49	0.47
Ex1740-24	3/4	24	49	0.51
Ex1740-27	3/4	27	50	0.48
Ex1740-29	3/4	29	50	0.47
Ex1740-30	3/4	30	50	0.50
Ex1740-32	3/4	32	54	0.57
Ex1740-34	3/4	34	54	0.60
Ex1740-36	3/4	36	56	0.66
Ex1740-41	3/4	41	58	0.78
Ex1740-46	3/4	46	63	0.96

Ex1750
Socket, Impact 1" Drive
CuBe only

No.	a inch	s inch	l inch	Wt. lbs.
Ex1750-005U	1	7/8	2 ³ / ₈	1.76
Ex1750-010U	1	15/16	2 ³ / ₈	1.79
Ex1750-015U	1	1 ¹ / ₁₆	2 ³ / ₈	1.79
Ex1750-020U	1	1 ³ / ₁₆	2 ¹ / ₂	1.90
Ex1750-025U	1	1 ¹ / ₄	2 ¹ / ₂	1.90
Ex1750-030U	1	1 ³ / ₈	2 ¹ / ₂	1.85
Ex1750-035U	1	1 ⁷ / ₁₆	2 ¹¹ / ₁₆	2.12
Ex1750-040U	1	1 ¹ / ₂	2 ¹¹ / ₁₆	2.23
Ex1750-045U	1	1 ⁵ / ₈	2 ³ / ₄	2.49
Ex1750-050U	1	1 ¹¹ / ₁₆	2 ³ / ₄	2.78
Ex1750-055U	1	1 ¹³ / ₁₆	2 ³ / ₄	2.78
Ex1750-060U	1	2	2 ³ / ₄	3.00
Ex1750-065U	1	2 ³ / ₁₆	2 ¹⁵ / ₁₆	3.48
Ex1750-070U	1	2 ³ / ₈	3 ¹ / ₈	4.01
Ex1750-075U	1	2 ⁹ / ₁₆	3 ¹ / ₈	4.34
Ex1750-080U	1	2 ³ / ₄	3 ¹ / ₈	4.63

No.	a inch	s mm	l mm	kg
Ex1750-22	1	22	60	0.80
Ex1750-24	1	24	60	0.81
Ex1750-27	1	27	60	0.81
Ex1750-30	1	30	63	0.86
Ex1750-32	1	32	63	0.86
Ex1750-34	1	34	63	0.84
Ex1750-36	1	36	67	0.96
Ex1750-38	1	38	67	1.01
Ex1750-41	1	41	70	1.13
Ex1750-42	1	42	70	1.20
Ex1750-43	1	43	70	1.26
Ex1750-46	1	46	70	1.26
Ex1750-50	1	50	70	1.36
Ex1750-55	1	55	74	1.58
Ex1750-60	1	60	78	1.82
Ex1750-65	1	65	78	1.97
Ex1750-70	1	70	78	2.10

Ex1760
Socket, Impact 1 1/2" Drive
CuBe only

No.	a inch	s inch	l inch	Wt. lbs.
Ex1760-005U	1 1/2	1 ⁷ / ₁₆	3 ¹ / ₈	5.84
Ex1760-010U	1 1/2	1 ⁵ / ₈	3 ³ / ₁₆	6.00
Ex1760-015U	1 1/2	1 ¹³ / ₁₆	3 ³ / ₈	6.26
Ex1760-020U	1 1/2	2	3 ⁷ / ₁₆	6.40
Ex1760-025U	1 1/2	2 ³ / ₁₆	3 ⁹ / ₁₆	6.51
Ex1760-030U	1 1/2	2 ³ / ₈	3 ³ / ₄	6.71
Ex1760-035U	1 1/2	2 ⁹ / ₁₆	4	8.34
Ex1760-040U	1 1/2	2 ³ / ₄	4 ³ / ₁₆	9.55

No.	a inch	s mm	l mm	kg
Ex1760-36	1 1/2	36	78	2.65
Ex1760-41	1 1/2	41	80	2.72
Ex1760-46	1 1/2	46	84	2.84
Ex1760-50	1 1/2	50	87	2.90
Ex1760-55	1 1/2	55	90	2.95
Ex1760-60	1 1/2	60	95	3.04
Ex1760-65	1 1/2	65	100	3.79
Ex1760-70	1 1/2	70	105	4.33

When ordering, specify:

A = Aluminum Bronze

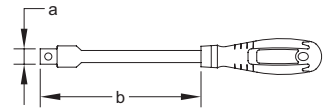
B = Copper Beryllium

Example: EX1504S-005UA

or

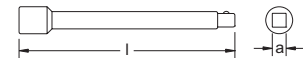
EX1504S-005UB

**Ex1504S
Driver Handle**



No.	a inch	l inch	Wt. lbs.	l mm	kg
Ex1504S-005U	1/4	2 ³ / ₄	0.057	70	0.026
Ex1504S-010U	3/8	4 ⁹ / ₁₆	0.19	115	0.087

**Ex1504
Bar, Extension**



No.	a inch	l inch	Wt. lbs.	l mm	kg
Ex1504AA-100	1/4	4	0.12	100	0.054
Ex1504B-100	1/2	5	0.45	100	0.21
Ex1504B-250	1/2	10	1.06	250	0.48
Ex1504C-250	3/4	10	2.51	250	1.14
Ex1504D-250	1	10	4.28	250	1.94

**Ex1505
 Wrench Handle, Speed**



No.	a inch	l inch	Wt. lbs.	l mm	kg
Ex1505-005U	1/4	13	1.10	325	0.50
Ex1505-010U	3/8	14	1.21	350	0.55
Ex1505-015U	1/2	15 ^{3/16}	1.28	380	0.58
Ex1505-025U	3/4	16	3.19	400	1.45
Ex1505-030U	1	17	3.42	425	1.55

**Ex1506
 Wrench Handle, Hinged**



No.	a inch	l inch	Wt. lbs.	l mm	kg
Ex1506-005U	1/4	5 ^{3/4}	0.29	145	0.13
Ex1506-010U	3/8	8	0.49	200	0.22
Ex1506-015U	1/2	12	2.2	300	1.00
Ex1506-020U	3/4	14 ^{3/8}	2.65	360	1.20
Ex1506-025U	1	14 ^{3/8}	4.12	360	1.87

**Ex1507
 Universal Joint**



No.	a inch	Wt. lbs.	kg
Ex1507AA	1/4	0.07	0.03
Ex1507A	3/8	0.18	0.08
Ex1507B	1/2	0.35	0.16
Ex1507C	3/4	1.26	0.57
Ex1507D	1	2.43	1.10

When ordering, specify:

A = Aluminum Bronze

B = Copper Beryllium

Example: EX1508AA

or

EX1508AB

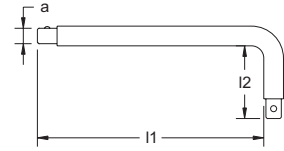
Offset Grip Handle Ex1508

Adapter/Converter Ex1509

Pipe Cutter Ex1512

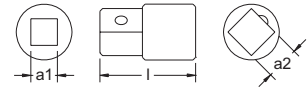
Ruler Ex1601

**Ex1508
Offset Grip Handle**



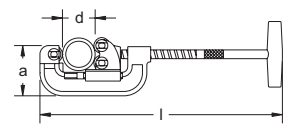
No.	a inch	l1 inch	l2 inch	Wt. lbs.	l1 mm	l2 mm	kg
Ex1508A	3/8	6 ¹¹ / ₁₆	2	0.66	168	50	0.30
Ex1508B	1/2	7 ³ / ₈	2 ³ / ₁₆	0.93	184	55	0.42
Ex1508C	3/4	9 ⁹ / ₁₆	2 ³ / ₈	1.65	240	60	0.75
Ex1508D	1	11	2 ⁹ / ₁₆	2.47	275	65	1.12

**Ex1509
Adapter/Converter**



No.	a1 inch	a2 inch	l inch	Wt. lbs.	l mm	kg
Ex1509AB	3/8	1/2	1 ⁷ / ₁₆	0.16	36	0.072
Ex1509BC	1/2	3/4	1 ³ / ₄	0.31	44	0.14
Ex1509CB	3/4	1/2	1 ⁷ / ₈	0.44	47	0.20
Ex1509CD	3/4	1	2 ³ / ₈	0.71	60	0.32
Ex1509DC	1	3/4	2 ⁷ / ₁₆	0.97	62	0.44

**Ex1512
Pipe Cutter**



No.	a inch	d max inch	l inch	Wt. lbs.	a mm	d max mm	l mm	kg
Ex1512-60	3 ¹¹ / ₁₆	2 ³ / ₈	17 ³ / ₄	7.21	92	60	445	3.27

**Ex1601
Ruler**



No.	l inch	Wt. lbs.	l mm	kg
Ex1601-300	13 ³ / ₈	0.15	335	0.07
Ex1601-500	21 ¹¹ / ₁₆	0.24	543	0.11



CS Unitec Tool Kits

- Socket Sets
- Wall-mounted Kits
- Custom-designed Kits
- Wood Cases

When ordering, specify:

A = Aluminum Bronze

B = Copper Beryllium

Example: EX801-KitA

or

EX801-KitB

Ex801-Kit Screwdriver Kit

No.	Dimensions	Quantity
Ex801-6	1/4" x 6"	1
Ex801-8	5/16" x 6"	1
Ex801-10	3/8" x 12"	1
Ex803-1	No. 1 x 3"	1
Ex803-2	No. 2 x 4"	1
Ex803-3	No. 3 x 6"	1



Ex206-Kit Combination Wrench Kit

No.	Dimensions	Quantity
Ex206-020U	3/8"	1
Ex206-030U	7/16"	1
Ex206-035U	1/2"	1
Ex206-040U	9/16"	1
Ex206-050U	5/8"	1
Ex206-060U	3/4"	1
Ex206-075U	7/8"	1



Ex209-Kit Allen Wrench Kit

No.	Dimensions	Quantity
Ex209-005U	1/16"	1
Ex209-010U	5/64"	1
Ex209-015U	3/32"	1
Ex209-020U	1/8"	1
Ex209-030U	5/32"	1
Ex209-035U	3/16"	1
Ex209-040U	7/32"	1
Ex209-045U	1/4"	1
Ex209-050U	5/16"	1
Ex209-055U	3/8"	1



Ex2204-Kit 4-piece Kit

No.	Dimensions	Quantity	Description
Ex801-6	1/4" x 6"	1	Screwdriver - Flat
Ex605-8	8"	1	Combination Pliers
EX113S-230	9"	1	Crate Opener
Ex501-8	8"	1	Adjustable End Wrench

Ex2206-Kit 6-piece Kit

No.	Dimensions	Quantity	Description
Ex801-6	1/4" x 6"	1	Screwdriver - Flat
Ex605-8	8"	1	Combination Pliers
EX113S-230	9"	1	Crate Opener
Ex501-8	8"	1	Adjustable End Wrench
Ex803-2	No. 2 x 4"	1	Screwdriver - Cross
Ex604-10	10"	1	Groove Joint Pliers

Ex1520-Kit
Sockets 1/4" Drive Kit - 14-piece Kit

No.	Dimensions	Quantity	Description
Ex1503AA-010U	3/16"	1	Socket, 1/4" drive
Ex1503AA-012U	7/32"	1	Socket, 1/4" drive
Ex1503AA-015U	1/4"	1	Socket, 1/4" drive
Ex1503AA-017U	9/32"	1	Socket, 1/4" drive
Ex1503AA-020U	5/16"	1	Socket, 1/4" drive
Ex1503AA-022U	11/32"	1	Socket, 1/4" drive
Ex1503AA-025U	3/8"	1	Socket, 1/4" drive
Ex1503AA-030U	7/16"	1	Socket, 1/4" drive
Ex1503AA-035U	1/2"	1	Socket, 1/4" drive
Ex1503AA-040U	9/16"	1	Socket, 1/4" drive
Ex1501S-A	1/4" drive	1	Ratchet
Ex1502-AA	1/4" drive	1	Sliding Bar
Ex1504AA-100U	1/4" drive	1	Extension Bar
Ex1506-005U	1/4" drive	1	Hinged Handle

Ex1530-Kit
Sockets 1/2" Drive - 20-piece Kit

No.	Dimensions	Quantity	Description
Ex1503B-010U	5/16"	1	Socket, 1/2" drive
Ex1503B-015U	3/8"	1	Socket, 1/2" drive
Ex1503B-020U	7/16"	1	Socket, 1/2" drive
Ex1503B-025U	1/2"	1	Socket, 1/2" drive
Ex1503B-030U	9/16"	1	Socket, 1/2" drive
Ex1503B-035U	5/8"	1	Socket, 1/2" drive
Ex1503B-040U	11/16"	1	Socket, 1/2" drive
Ex1503B-045U	3/4"	1	Socket, 1/2" drive
Ex1503B-047U	25/32"	1	Socket, 1/2" drive
Ex1503B-050U	13/16"	1	Socket, 1/2" drive
Ex1503B-055U	7/8"	1	Socket, 1/2" drive
Ex1503B-060U	15/16"	1	Socket, 1/2" drive
Ex1503B-065U	1"	1	Socket, 1/2" drive
Ex1503B-070U	1-1/16"	1	Socket, 1/2" drive
Ex1503B-075U	1-1/8"	1	Socket, 1/2" drive
Ex1503B-085U	1-1/4"	1	Socket, 1/2" drive
Ex1501S-B	1/2" drive	1	Ratchet
Ex1502-B	1/2" drive	1	Sliding Bar
Ex1504B-250	1/2" drive	1	Extension Bar
Ex1506-015U	1/2" drive	1	Hinged Handle

Ex1535-Kit
Sockets 1/2" Drive - 9-piece Kit

No.	Dimensions	Quantity	Description
Ex1503B-025U	1/2"	1	Socket, 1/2" drive
Ex1503B-040U	11/16"	1	Socket, 1/2" drive
Ex1503B-055U	7/8"	1	Socket, 1/2" drive
Ex1503B-070U	1-1/16"	1	Socket, 1/2" drive
Ex1503B-085U	1-1/4"	1	Socket, 1/2" drive
Ex1501S-B	1/2" drive	1	Ratchet
Ex1502-B	1/2" drive	1	Sliding Bar
Ex1504B-250	1/2" drive	1	Extension Bar
Ex1506-015U	1/2" drive	1	Hinged Handle

When ordering, specify:

A = Aluminum Bronze

B = Copper Beryllium

Example: EX1540-KitA

or

EX1540-KitB

Ex1540-Kit

Sockets 3/4" Drive Kit - 15-piece Kit

No.	Dimensions	Quantity	Description
Ex1503C-050U	1-5/16"	1	Socket, 3/4" drive
Ex1503C-055U	1-3/8"	1	Socket, 3/4" drive
Ex1503C-060U	1-7/16"	1	Socket, 3/4" drive
Ex1503C-065U	1-1/2"	1	Socket, 3/4" drive
Ex1503C-070U	1-9/16"	1	Socket, 3/4" drive
Ex1503C-075U	1-5/8"	1	Socket, 3/4" drive
Ex1503C-080U	1-11/16"	1	Socket, 3/4" drive
Ex1503C-085U	1-3/4"	1	Socket, 3/4" drive
Ex1503C-090U	1-13/16"	1	Socket, 3/4" drive
Ex1503C-095U	1-7/8"	1	Socket, 3/4" drive
Ex1503C-105U	2"	1	Socket, 3/4" drive
Ex1501S-C	3/4" drive	1	Ratchet
Ex1502-C	3/4" drive	1	Sliding Bar
Ex1504C-250	3/4" drive	1	Extension Bar
Ex1506-020U	3/4" drive	1	Hinged Handle

Ex2200-Kit

Marine Kit

No.	Dimensions	Quantity	Description
Ex1303-900	1-3/8" x 36"	1	Crow Bar
Ex501-10	10"	1	Adjustable End Wrench
Ex501-12	12"	1	Adjustable End Wrench
Ex501-14	14"	1	Adjustable End Wrench
Ex101-0450	1 lb.	1	Ball Peen Hammer
Ex101-0900	2 lb.	1	Ball Peen Hammer
Ex106-0400	.9 lb.	3	Scaling Hammer
Ex104-2000	4.4 lb.	1	Sledge
Ex402-50	2"	3	Angle Scraper
Ex407-100	4"	3	Long Blade Scraper
Ex406-150	6"	3	Plate Scraper
Ex801-10	3/8" x 12"	1	Screwdriver - Standard
Ex803-3	No. 3 x 6"	1	Screwdriver - Phillips
Ex1005-250	10" x 12" blade	2	D-Handle Shovel
Ex305-200	8"	1	Cape Chisel
Ex306-300	12"	1	Bull Point Chisel
Ex502-10	10"	1	Pipe Wrench
Ex502-14	14"	1	Pipe Wrench
Ex502-18	18"	1	Pipe Wrench

Ex2211-Kit 11-piece Kit

No.	Dimensions	Quantity	Description
Ex408-30	1-3/16"	1	Putty Knife
Ex501-6	6"	1	Adjustable End Wrench
Ex501-10	10"	1	Adjustable End Wrench
Ex502-10	10"	1	Pipe Wrench
Ex604-10	10"	1	Groove Joint Pliers
Ex605-8	8"	1	Adjustable Pliers
Ex122-0500	1.1 lb.	1	Claw Hammer
Ex803-2	No. 2 x 4"	1	Screwdriver - Phillips
Ex801-6	1/4" x 6"	1	Screwdriver - Standard
Ex1001-4	4 Rows	1	Brass Brush

Ex2300-Haz HazMat Kit

No.	Dimensions	Quantity	Description
Ex122-0500	1.1 lb.	1	Claw Hammer
Ex113S-230	10"	1	Crate Opener
Ex405-125	5"	1	Deck Scraper
Ex406-150	6" x 19-3/8"	1	Plate Scraper
Ex408-30	1-3/16"	1	Putty Knife
Ex410-250	10"	1	Common Knife
Ex501-8	8"	1	Adjustable End Wrench
Ex501-12	12"	1	Adjustable End Wrench
Ex502-14	14"	1	Pipe Wrench
Ex605-8	8"	1	Adjustable Pliers
Ex604-12	12"	1	Groove Joint Pliers
Ex611-7	7-3/16"	1	Long Nose Pliers
Ex608-275	11"	1	Cutting Shears
Ex801-8	5/16" x 6"	1	Screwdriver - Standard
Ex803-3	No. 3 x 6"	1	Screwdriver - Phillips
Ex1001-4	4 Rows	1	Brass Brush

When ordering, specify:

B = Copper Beryllium

Example: EX1500-KitB

Ex1500-Kit
27-piece Kit
CuBe only

No.	Dimensions	Quantity	Description
Ex1503B-005UB	1/4"	1	1/2" drive socket
Ex1503B-010UB	5/16"	1	1/2" drive socket
Ex1503B-015UB	3/8"	1	1/2" drive socket
Ex1503B-020UB	7/16"	1	1/2" drive socket
Ex1503B-025UB	1/2"	1	1/2" drive socket
Ex1503B-030UB	9/16"	1	1/2" drive socket
Ex1503B-035UB	5/8"	1	1/2" drive socket
Ex1503B-040UB	11/16"	1	1/2" drive socket
Ex1503B-045UB	3/4"	1	1/2" drive socket
Ex1503B-050UB	13/16"	1	1/2" drive socket
Ex1503B-055UB	7/8"	1	1/2" drive socket
Ex1503B-060UB	15/16"	1	1/2" drive socket
Ex1503B-065UB	1"	1	1/2" drive socket
Ex1503B-070UB	1-1/16"	1	1/2" drive socket
Ex1503B-075UB	1-1/8"	1	1/2" drive socket
Ex1503B-080UB	1-3/16"	1	1/2" drive socket
Ex1503B-085UB	1-1/4"	1	1/2" drive socket
Ex1503B-090UB	1-5/16"	1	1/2" drive socket
Ex1503B-095UB	1-3/8"	1	1/2" drive socket
Ex1503B-100UB	1-7/16"	1	1/2" drive socket
Ex1503B-110UB	1-1/2"	1	1/2" drive socket
Ex1501-B-B	1/2" drive	1	Ratchet
Ex1502-B-B	1/2" drive	1	Sliding Bar
Ex1504B-100B	1/2" drive	1	Extension Bar
Ex1504B-250B	1/2" drive	1	Extension Bar
Ex1506-015UB	1/2" drive	1	Hinged Handle
Ex1507B-B	1/2" drive	1	Universal joint

Ex2000-Kit
23-piece Kit
CuBe only

No.	Dimensions	Quantity	Description
Ex101-0500B	1.1 lb	1	Ball Peen Hammer
Ex104-2500B	5.5 lb	1	Sledge Hammer
Ex106-0400B	.9 lb	2	Scaling Hammers
Ex207-50B	2"	1	Valve Wrench
Ex301C-030UB	3/8" x 6" x 9/16"	1	Drift Pin Barrel
Ex304-200B	7/8" x 8"	1	Flat Chisel
Ex402-45B	1-3/4" x 9"	2	Angle Scraper
Ex403-300B	12"	1	Triangle Scraper
Ex407-60B	2-3/8"	2	Long Blade Scraper
Ex501-10B	10"	1	Adjustable End Wrench
Ex501-15B	15"	1	Adjustable End Wrench
Ex502-12B	12"	1	Pipe Wrench
Ex604-10B	10"	1	Groove Joint Pliers
Ex801-8B	5/16" x 6"	1	Screwdriver - Flat
Ex801-10SB	3/8" x 8"	1	Screwdriver - Flat
Ex1001-3A	3 Rows	2	Brass Brush
Ex1004-120B	8"	2	Dust Pan
Ex1301-500B	3/4" x 20"	1	Pinch Bar
Wooden Box			

AIR AND HYDRAULIC TOOLS *for Ex and ATEX zones*



Ex II 2 GcT5

- Air reciprocating saws for cutting steel and pipe up to 6" dia.
- ATEX hydraulic models also available

**ATEX Approved
Air and Hydraulic
Tools**

Ex II 2 GcT5

- Portable air hacksaws for on-site cutting of pipe up to 30" OD and structural steel
- ATEX hydraulic models also available



Ex II 2 GcT6

- Pneumatic SDS Plus and SDS Max rotary hammer drills
- Hydraulic models also available



Ex II 2 GcT6

- Impact wrenches for removing and tightening bolts
- ATEX pneumatic and hydraulic models available



Ex II 2 GcT6 (Model No. 5 6003 0010)

Ex IM 2 cT6 (Model No. 5 6031 0010)

- Portable pneumatic band saws cut up to 7" OD
- ATEX hydraulic models also available



Ex IM 2 cT6

- Pneumatic nut runners for turning valves, tightening, tapping, reaming, pipe beveling, expanding and more
- Hydraulic models also available

Ex II 2 GcT6

- Pneumatic drill and air-operated magnet
- Up to 2-1/16" dia. holes
- Hydraulic models also available



**Air
Operated**

REDUCED SPARKING GRINDING DISCS

Designed for grinding steel, stainless steel and other materials in nuclear plants, oil and gas industries and applications where spark reduction is an important feature

Eco Brazing (EB) diamond grinding discs from CS Unitec can reduce sparking to 1% of that produced by ordinary resinoid wheels, making EB diamond a better choice than resinoid for use in some hazardous environments.

- Reduced sparking increases the visibility of the workpiece
- Not ATEX approved – **sparks will occur during grinding** (see note below)
- Diamond grit protrudes higher off the EB diamond disc than traditional diamond wheels, providing greater durability and longer service life
- Light weight allows for high-rotation grinding
- The EB diamond disc wears approximately 1% as much as a resinoid disc, reducing the amount of abrasive dust emitted
- High-yield steel backing plate is elastic, helping to ensure that operators do not grind the material by over-removal
- Ideal for grinding steel, stainless steel and other materials

EB DIAMOND DISC Specifications

Dimensions	Diameter: 4", 7"
Max. speed	13,000 RPM (4") or 8500 RPM (7")
Ideal speed	6000 RPM (4") or 3300 RPM (7")
Grits	30, 40, 50, 60, 80
Arbor size	7/8"

EB DIAMOND DISC Ordering Information

Order No.	Size (dia. x arbor)	Grit	Max. Speed	Quantity
EB4007830	4" x 7/8"	30	13,000 RPM	1 disc
EB4007840	4" x 7/8"	40	13,000 RPM	1 disc
EB4007850	4" x 7/8"	50	13,000 RPM	1 disc
EB4007860	4" x 7/8"	60	13,000 RPM	1 disc
EB4007880	4" x 7/8"	80	13,000 RPM	1 disc
EB7007830	7" x 7/8"	30	8500 RPM	1 disc
EB7007840	7" x 7/8"	40	8500 RPM	1 disc
EB7007850	7" x 7/8"	50	8500 RPM	1 disc
EB7007860	7" x 7/8"	60	8500 RPM	1 disc
EB7007880	7" x 7/8"	80	8500 RPM	1 disc

Note: Though EB diamond discs have been shown to reduce sparking, we make no claim that sparking will be eliminated. Follow all appropriate safety regulations (ATEX, OSHA, ANSI) for all grinding applications, including those for working in hazardous environments.



Benefits of reduced sparking:

- Workpiece visibility is improved, allowing more accurate grinding
- Reduced fire hazard from sparks



EB diamond grinding discs reduce sparking up to 1/100 of that produced by resinoid grinding wheels (inset left).



EB Diamond Disc at 6000 RPM

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For tool specifications and ATEX and Ex Zone information, please visit our Web site at www.csunitec.com.



View product demonstrations at www.csunitec.com.

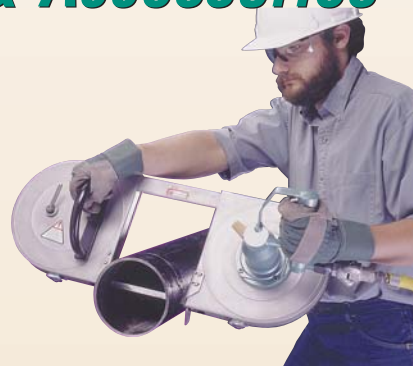
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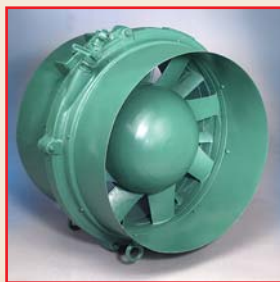
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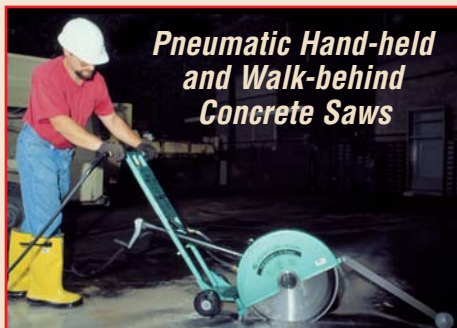
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