

Safety Tools

for Hazardous and Explosive Environments

STRIKING



TIGHTENING



CUTTING



UTILITY



SPECIALTY POWER TOOLS

Including NEW Hydrogen Generation Tools



Electric



Pneumatic



Hydraulic



DRILL • SAW • SAFETY TOOLS • FINISH • PREP • MIX

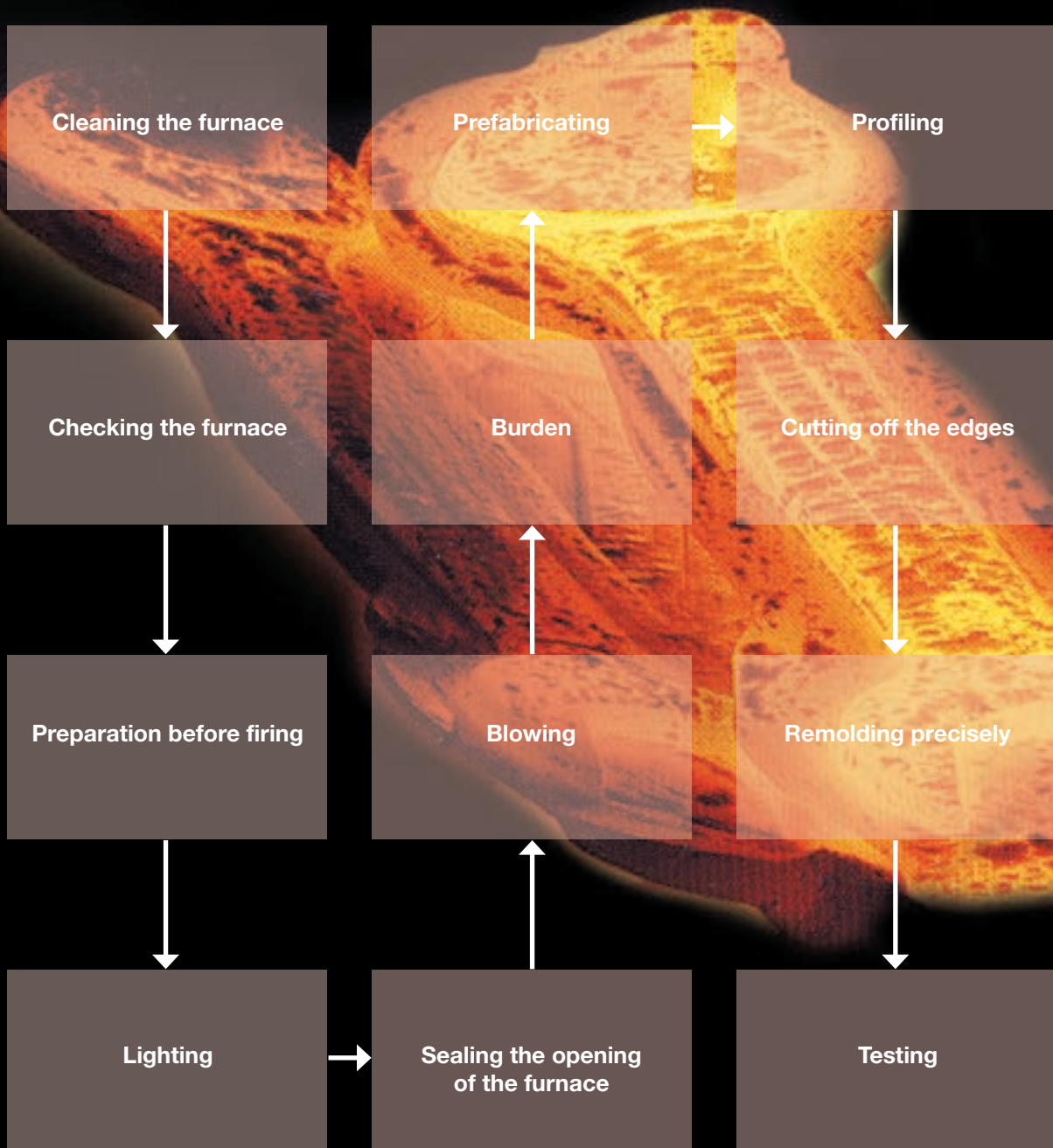
CSunitec.com

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.

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.

CS Unitec's Aluminum Bronze (AlBr) and Copper Beryllium (CuBe₂) tools are TÜV certified.

The materials used to manufacture the **Non-Sparking Safety Tools** are tested and certified by the TÜV as non-sparking. They can be used in explosive environment as defined by the ATEX directive 1999/92/EC to avoid the risk of explosion. See page 82 for more information.

STANAG-compliant tools available upon request. Contact CS Unitec for more information.



Lloyd's
Register

ISO 9001:2015 Certified
Certification Number 00009225

We also offer ATEX Classified air and hydraulic power tools and other equipment for use in Ex zones. See pages 82-95 for more information.

NEW ATEX Classified air power tools manufactured for Hydrogen Processing applications are available. See pages 91-95 for more information.

Visit our web site: CSunitec.com for more information

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info@csunitec.com

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

Toll-Free in U.S. 1-800-700-5919 • +1-203-853-9522 • Fax: +1-203-853-9921 • CSunitec.com

For Use in Ex Zones and Hazardous Environments

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 where applicable.

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 Alloys. We manufacture and supply our Safety Tools in two different alloys: Copper-Beryllium Alloy (CuBe₂) and a Special Aluminum-Bronze Alloy (AlBr).

CS Unitec's Copper-Beryllium Tools (CuBe₂) and Aluminum-Bronze Tools (AlBr) are TÜV certified. TÜV certifies that the materials used in CS Unitec's Non-sparking tools have met the requirements for and are appropriate for use in potentially explosive atmospheres of zones 0, 1, 2 and/or 20, 21, 22 according to ATEX Directive 1999/92/EC (ATEX 137) of all explosion groups according to IEC 60079-20-1:2010.

Gas, Mists or Vapors

- n 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.
- n 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.
- n 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

- n Zone 20 - An atmosphere where a cloud of combustible dust in the air is present frequently, continuously or for long periods.
- n Zone 21 - An atmosphere where a cloud of combustible dust in the air is likely to occur in normal operation occasionally.
- n 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.

Quality control, testing and customer service are priorities.

The manufacture of our safety tools is ISO9001:2015 certified, and our Tools are recommended and certified by several international organizations.

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 of 38 HRC. CS Unitec Aluminum-Bronze Tools have a Rockwell C Hardness of 27 HRC.

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

Most of the 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:

- n Socket Sets
- n Wall-mounted CS Unitec Tool Kit
- n Custom-designed Tool Kit

CAUTION:

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.

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: CSunitec.com

For ATEX information, visit: <http://ec.europa.eu/growth/sectors/mechanical-engineering/atex/>

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 CSunitec.com for safety information.

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

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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CS Unitec offers a complete line of High-Quality Non-Sparking, Non-Magnetic and Corrosion-Resistant Safety Tools. CS Unitec is a leader in special Copper Alloy Safety Hand Tools manufactured for use in high-risk areas where a spark can create a disaster.

Copper-Beryllium Tools (CuBe₂) and Aluminum-Bronze Tools (AlBr) fulfill the demand in the ATEX Directive 1999/92/EC for work in Zones 0, 1 and 2 (Gas, Mists or Vapors); Zones 20, 21 and 22 (Dusts); and M1 and M2 for mining.

CS Unitec's Aluminum Bronze (AlBr) and Copper Beryllium (CuBe₂) tools are TÜV certified. They have met the requirements of TÜV Standard operating procedure and are appropriate for use in potentially explosive atmospheres of zones 0, 1, 2 and/or 20, 21, 22 according to Directive 1999/92/EC of all explosion groups according to IEC 60079-20-1:2010.

Choosing the Correct Alloy for Your Application

	Aluminum-Bronze (AlBr) Alloy	Copper-Beryllium (CuBe ₂) Alloy
Zone Compatibility	Fulfill demand in ATEX Directive 1999/92/EC for work in Zones 0, 1, 2, 20, 21 and 22, M1 & M2	Fulfill demand in ATEX Directive 1999/92/EC for work in Zones 0, 1, 2, 20, 21 and 22, M1 & M2
Hardness	27 HRC	38 HRC
Durability	Not as durable as CuBe ₂ .	Very durable due to high hardness and tensile strength.
Magnetic Properties	Low magnetism due to minimal ferrous components. Appropriate for non-critical non-magnetic applications.	Non-ferrous components; safer for applications demanding non-magnetic properties.
Composition	Al: 10.3% Fe: 4.5% Ni: 4.5% Other: 0.5% Cu: Balance	Be: 1.9% Co + Ni: 0.4% Other: 0.5% Cu: Balance

Caution: User must follow all appropriate safety regulations when choosing a tool for their particular working environment.

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

Manufacturing Industries:

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

Transportation Industries and their Maintenance, Cleaning & Service Companies:

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

Government Agencies:

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

Other Industries:

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

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

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

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

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

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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STRIKING TOOLS Pgs. 9-18

Description	Part#	Page
Hammers		
Hammer, Ball Peen	Ex101U	10
Hammer, Cross Peen Engineers'	Ex102U	10
Hammer, Double-face Machinists'	Ex103U	10
Hammer, Sledge	Ex104U	10
Brass Shackle for Drop Protection	Ex100	11
Hammer, Cutoff	Ex105U	11
Hammer, Scaling	Ex106U	11
Wedge, Stone	Ex107	11
Hammer, Club	Ex108U	12
Hammer, Bricklayers'	Ex112U	12
Crate Opener	Ex113S	12
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Hammer, Claw	Ex122U	13
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Chisel, Bull Point	Ex306	16
Chisel, Diamond Point	Ex307	16
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Chisel, Bull Point	Ex320R	17
Chisel, Clay Spade	Ex340	18
Chisel, Scaling	Ex380SH	18
Chisel, Angle Scaling	Ex390-180B	18
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Wedge, Flange with Lanyard Hole	Ex1101U	18
Wedge, Banana with Lanyard Hole	Ex1101BH	18

TIGHTENING TOOLS Pgs. 19-55

Description	Part#	Page	Description	Part#	Page	Description	Part#	Page
Wrenches			Sockets – 6-Point					
Wrench, Striking, Open End	Ex200	20	Socket, 1/4" Drive	Ex1503AA	38			
Wrench, Striking, Box, 12-Point (DIN 7444)	Ex201B	21	Socket, 3/8" Drive	Ex1503A	38			
Wrench, Striking, Box, Offset, 12-Point	Ex201F	22	Socket, 1/2" Drive	Ex1503B	39			
Wrench, Box End, Double, Straight Type, 12-Point	Ex202	22	Socket, 3/4" Drive	Ex1503C	40			
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Wrench, Open End	Ex205	26	Socket, Standard Deep, 1" Drive	Ex1650	44			
Wrench, Construction with Pin (Open End)	Ex205S	27	Socket, Impact, 3/8" Drive	Ex1720	44			
Wrench, Gas Tube	Ex212	27	Socket, Impact, 1/2" Drive	Ex1730	45			
Wrench, Combination	Ex206	28	Socket, Impact, 3/4" Drive	Ex1740	45			
Wrench, Combination, Long	Ex206L	29	Socket, Impact, 1" Drive	Ex1750	46			
Wrench, Box, for Extension	Ex215	30	Socket, Impact, 1-1/2" Drive	Ex1760	46			
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Wrench, Adjustable End	Ex501	30	Socket, Deep Impact, 1/2" Drive	Ex1830	47			
Wrench, Torque	Ex1401TB	31	Socket, Deep Impact, 3/4" Drive	Ex1840	48			
Wrench, Crowfoot, 1/2" Drive	Ex1514B	31	Socket, Deep Impact, 1" Drive	Ex1850	48			
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CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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ATEX Classified Power Tools Ensure a High Level of Safety in Explosive Atmospheres 82

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CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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SPECIAL POWER TOOLS FOR POTENTIALLY EXPLOSIVE ATMOSPHERES

CS Unitec offers a variety of ATEX-certified power tools for use in potentially explosive atmospheres, as well as a line of tools engineered specifically for use in hydrogen processing applications.

ATEX Certified

For use in hazardous environments and ATEX and Ex Zones. See page 82 for more information.

Hacksaws

Air • Hydraulic

- Cut up to 30" dia. pipe
- Fully-sealed hydraulic model – safer for use in nuclear power plants and sensitive jobsites



Reciprocating Saws

Air • Hydraulic

- For cutting steel and pipe up to 6" dia.



Magnetic Drills

Air • Hydraulic

- Drill holes up to 4" dia.
- Tap holes up to 1" dia.



Band Saws

Hydraulic • Air

- Cut up to 9"



Axial Fans

Air

- Explosion-proof
- 12" to 24" models



Needle/Chisel Scalars

Air

- Low vibration
- Kits available



Rotary Hammer Drills

Air • Hydraulic

- SDS Plus and SDS Max models



Pipe Cutting Machines

Air • Hydraulic

- Cut pipe up to 96" dia.
- Cut underground with minimal excavation



Special Tools for Hydrogen Generation Applications

Pneumatic power tools used in and around highly flammable applications such as hydrogen generation and storage facilities.

ATEX Certified

See page 91-95 for more information.



CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

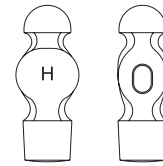
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Striking Tools

- Hammers – pages 10-13
 - Hammers now provided with heavy-duty pultrusion-manufactured fiberglass handle with polyamide cover.
- Punches – pages 13-14
- Chisels – pages 15-18
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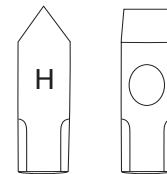
Drop forging ensures long tool life.

Ex101U Hammer, Ball Peen



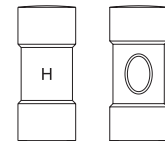
No.	Ex101U-0025	Ex101U-0075	Ex101U-0100	Ex101U-0150	Ex101U-0200	Ex101U-0225	Ex101U-0275
H lbs.	0.25	0.75	1.00	1.50	2.00	2.25	2.75
H kg	0.12	0.34	0.46	0.68	0.91	1.02	1.25
Handle length	10"/250mm	13.75"/350mm	13.75"/350mm	14"/360mm	14"/360mm	14"/360mm	14"/360mm

Ex102U Hammer, Cross Peen Engineers'



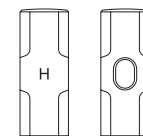
No.	Ex102U-0150	Ex102U-0250	Ex102U-0350
H lbs.	1.50	2.50	3.50
H kg	0.68	1.14	1.59
Handle length	14"/355mm	15"/380mm	15"/380mm

Ex103U Hammer, Double-face Machinists'



No.	Ex103U-0025	Ex103U-0150	Ex103U-0175	Ex103U-0200
H lbs.	0.25	1.50	1.75	2.00
H kg	0.12	0.68	0.80	0.91
Handle length	10"/250mm	14.25"/360mm	14.25"/360mm	14.25"/360mm

Ex104U Hammer, Sledge



No.	Ex104U-0200	Ex104U-0300	Ex104U-0400	Ex104U-0500	Ex104U-0750	Ex104U-1000	Ex104U-1200	Ex104U-1500	Ex104U-1800	Ex104U-2200
H lbs.	2.00	3.00	4.00	5.00	7.50	10.00	12.00	15.00	18.00	22.00
H kg	0.91	1.36	1.81	2.27	3.4	4.54	5.44	6.80	8.17	9.98
Handle length	9.75"/245mm	13"/330mm	13"/330mm	33"/840mm	33"/840mm	33"/840mm	33"/840mm	33"/840mm	33"/840mm	33"/840mm

Hammer handle appearance may vary from photos shown.

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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When ordering, specify:

A = Aluminum Bronze

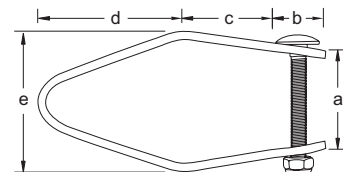
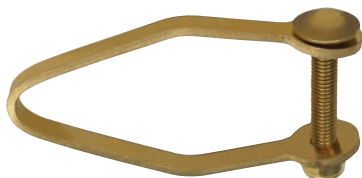
B = Copper Beryllium

Example: Ex105U-0300A

or

Ex105U-0300B

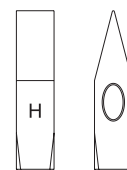
Shackle, Brass Ex100
Hammer, Cutoff Ex105U
Hammer, Scaling Ex106U
Wedge, Stone Ex107



Ex100 Brass Shackles for Drop Protection

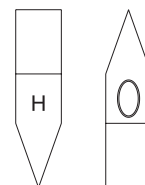
Brass alloy

No.		a mm	b mm	c mm	d mm	e mm	kg
Ex100M6-20BR	For hammers under 5 lbs.	40	20	35	60	50	0.03
Ex100M8-22BR	For hammers 5 lbs. and over	40	22	35	60	50	0.03



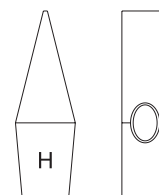
Ex105U Hammer, Cutoff

No.	Ex105U-0300	Ex105U-0500
H lbs.	3.00	5.00
H kg	1.36	2.27
Handle length	15"/380mm	15"/380mm



Ex106U Hammer, Scaling

No.	Ex106U-0100	Ex106U-0150	Ex106U-0300
H lbs.	1.00	1.50	3.00
H kg	0.46	0.68	1.36
Handle length	10"/255mm	10"/255mm	15"/380mm



Ex107 Wedge, Stone

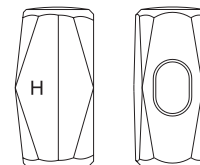
No.	Ex107-1000
H lbs.	2.20
H kg	1.0
Handle length	13.75"/350mm

Hammer handle appearance may vary from photos shown.

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

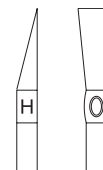
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Ex108U Hammer, Club



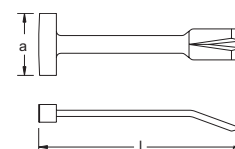
No.	Ex108U-0200	Ex108U-0400	Ex108U-0700
H lbs.	2.00	4.00	7.00
H kg	0.91	1.82	3.15
Handle length	8"/203mm	8"/203mm	33"/840mm

Ex112U Hammer, Bricklayers'



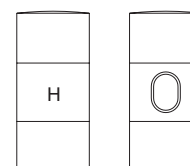
No.	Ex112U-0150
H lbs.	1.50
H kg	0.68
Handle length	14.25"/360mm

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.	Ex121-0099	Ex121-0220
H lbs.	1.0	2.20
H kg	0.45	1.0
Handle length	14"/355mm	14"/355mm

Hammer handle appearance may vary from photos shown.

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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When ordering, specify:

A = Aluminum Bronze

B = Copper Beryllium

Example: Ex122U-0075A

or

Ex122U-0075B

Hammer, Claw

Hammer, Cross Peen Engineers' / Blacksmiths'

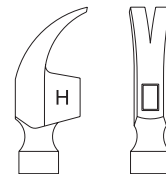
Punch, Pin

Ex122U

Ex1041

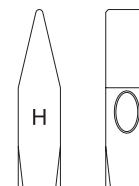
Ex301P

Ex122U Hammer, Claw



No.	Ex122U-0075	Ex122U-0100	Ex122U-0125
H lbs.	0.75	1.00	1.25
H kg	0.34	0.46	0.57
Handle length	14.25"/360mm	14.25"/360mm	14.25"/360mm

Ex1041 Hammer, Cross Peen Engineers' / Blacksmiths'



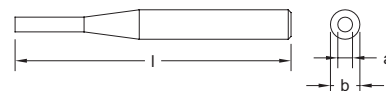
No.	Ex1041-0100	Ex1041-0200	Ex1041-0300	Ex1041-0500	Ex1041-0800	Ex1041-1000	Ex1041-1500	Ex1041-2000
H lbs.	0.22	0.44	0.66	1.10	1.76	2.20	3.31	4.41
H kg	0.10	0.20	0.30	0.50	0.80	1.00	1.50	2.00
Handle length	9.75"/250mm	9.75"/250mm	14"/355mm	14"/355mm	14"/355mm	14"/355mm	15"/380mm	15"/380mm

Hammer handle appearance may vary from photos shown.

PUNCHES

Ex301P Punch, Pin

Copper Beryllium (CuBe) only



No.	a inch	b inch	l inch	Wt. lbs.
Ex301P-005UB	7/128	3/8	4-3/8	0.10
Ex301P-010UB	9/128	3/8	4-3/8	0.10
Ex301P-015UB	1/16	3/8	6	0.16
Ex301P-020UB	3/32	3/8	4-3/8	0.10
Ex301P-025UB	7/64	3/8	4-3/8	0.11
Ex301P-030UB	1/8	3/8	6	0.15
Ex301P-035UB	3/16	3/8	6	0.15
Ex301P-040UB	1/4	3/8	6	0.16
Ex301P-045UB	5/16	7/16	6	0.25
Ex301P-050UB	3/8	9/16	6	0.35

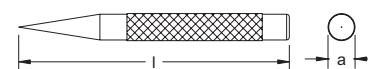
No.	a mm	b mm	l mm	Wt. kg
Ex301P-1.4B	1.4	10	110	0.05
Ex301P-1.8B	1.8	10	110	0.05
Ex301P-2B	2	10	150	0.07
Ex301P-2.4B	2.4	10	110	0.05
Ex301P-2.8B	2.8	10	110	0.05
Ex301P-3B	3	10	150	0.07
Ex301P-4B	4	10	150	0.07
Ex301P-5B	5	10	150	0.07
Ex301P-6B	6	10	150	0.07
Ex301P-7B	7	12	150	0.11
Ex301P-8B	8	12	150	0.11
Ex301P-10B	10	14	150	0.16

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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Ex303

Punch, Center



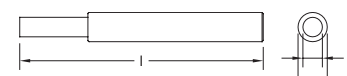
No.	a inch	l inch	Wt. lbs.
Ex303-005U	3/8	4	0.11
Ex303-010U	7/16	6	0.25
Ex303-015U	15/16	9-9/16	1.58
Ex303-020U	1	10-3/8	1.95
Ex303-025U	1-1/8	11-3/16	2.45
Ex303-030U	1-3/16	12	2.95
Ex303-035U	1-1/4	12-3/4	3.60

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

Ex301

Drift, Cylindrical

Copper Beryllium (CuBe) only

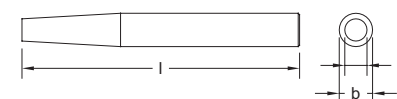


No.	a inch	b inch	l inch	Wt. lbs.
Ex301-005UB	1/8	3/8	4-3/8	0.11
Ex301-010UB	1/4	7/16	4-3/8	0.18
Ex301-015UB	5/16	9/16	4-3/4	0.26
Ex301-020UB	3/8	5/8	5-3/4	0.43
Ex301-025UB	7/16	11/16	6-3/8	0.62
Ex301-030UB	9/16	3/4	7-3/16	0.87
Ex301-035UB	5/8	15/16	8	1.37
Ex301-040UB	11/16	1-3/16	9	2.32
Ex301-045UB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

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

Ex301C

Drift Pin, Straight Type



No.	a inch	b inch	l inch	Wt. lbs.
Ex301C-005U**	1/16	3/8	6	0.17
Ex301C-010U**	1/8	3/8	6	0.18
Ex301C-015U	3/16	3/8	6	0.19
Ex301C-020U	1/4	3/8	6	0.19
Ex301C-025U	5/16	7/16	6	0.28
Ex301C-030U	3/8	9/16	6	0.38
Ex301C-035U	7/16	5/8	6	0.51
Ex301C-040U	1/2	11/16	6	0.65
Ex301C-045U	9/16	11/16	6	0.66
Ex301C-050U	5/8	3/4	8	1.10
Ex301C-055U	11/16	7/8	8	1.32
Ex301C-060U	3/4	15/16	10	1.97
Ex301C-065U	13/16	1	10	2.32
Ex301C-070U	7/8	1	10	2.35
Ex301C-075U	15/16	1-1/16	10	2.50
Ex301C-085U	1-1/16	1-1/4	11	3.23
Ex301C-095U	1-3/16	1-5/16	11	3.40

No.	a mm	b mm	l mm	kg
Ex301C-1.5**	1.5	10	150	0.08
Ex301C-2**	2	10	150	0.08
Ex301C-3**	3	10	150	0.08
Ex301C-4**	4	10	150	0.08
Ex301C-5	5	10	150	0.08
Ex301C-6	6	10	150	0.09
Ex301C-7	7	12	150	0.13
Ex301C-8	8	12	150	0.13
Ex301C-9	9	14	150	0.17
Ex301C-10	10	14	150	0.18
Ex301C-11	11	16	150	0.23
Ex301C-12	12	16	150	0.23
Ex301C-13	13	18	150	0.29
Ex301C-14	14	18	150	0.30
Ex301C-15	15	20	200	0.49
Ex301C-16	16	20	200	0.50
Ex301C-17	17	22	200	0.60
Ex301C-18	18	22	200	0.61
Ex301C-19	19	24	250	0.89
Ex301C-20	20	24	250	0.91
Ex301C-21	21	26	250	1.05
Ex301C-22	22	26	250	1.07

** Copper Beryllium (CuBe) only

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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When ordering, specify:

A = Aluminum Bronze

B = Copper Beryllium

Example: Ex304-100A

or

Ex304-100B

Chisel, Hand

Chisel, 6-Point

Chisel, 8-Point

Chisel, Cape

Ex304

Ex304A

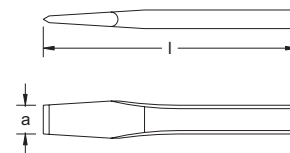
Ex304S

Ex305

CHISELS

Ex304

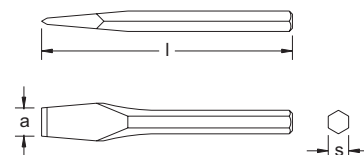
Chisel, Hand



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

Ex304A

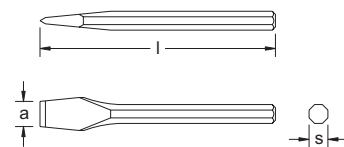
Chisel, 6-Point



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

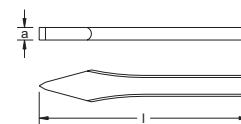
Chisel, 8-Point



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

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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Chisel, Bull Point
Chisel, Diamond Point
Chisel, Pneumatic
Chisel, Pneumatic
Chisel, Scaling

Ex306
Ex307
Ex309AH
Ex310AH
Ex312

When ordering, specify:

A = Aluminum Bronze

B = Copper Beryllium

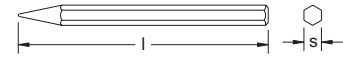
Example: Ex306-200A

or

Ex306-200B

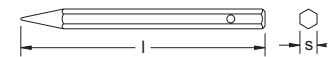
16

Ex306 Chisel, Bull Point



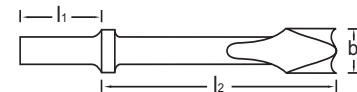
No.	s inch	l inch	Wt. lbs.	s mm	l mm	kg
Ex306-200	9/16	8	0.57	14	200	0.26
Ex306-250	5/8	10	0.94	16	250	0.43
Ex306-300	11/16	12	1.43	18	300	0.65
Ex306-400	3/4	16	2.40	20	400	1.09

Ex307 Chisel, Diamond Point



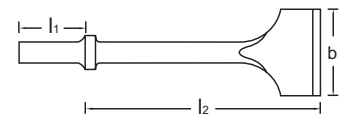
No.	s inch	l inch	Wt. lbs.	s mm	l mm	kg
Ex307-200	9/16	8	0.58	14	200	0.26
Ex307-250	5/8	10	0.94	16	250	0.43
Ex307-300	11/16	12	1.44	18	300	0.65
Ex307-400	3/4	16	2.41	20	400	1.09

Ex309AH Chisel, Pneumatic



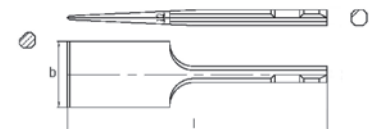
No.	b inch	l1 inch	l2 inch	Wt. lbs.	b mm	kg	Shank
Ex309AH-20	13/16	1-9/16	4-1/2	0.40	21	0.18	.401 round collar, round shank

Ex310AH Chisel, Pneumatic



No.	b inch	l1 inch	l2 inch	Wt. lbs.	b mm	kg	Shank
Ex310AH-32	1-1/4	1-1/2	5-5/8	0.49	32	0.22	.401 round collar, round shank
Ex310AH-50	2	1-1/2	5-5/8	0.49	50	0.22	.401 round collar, round shank

Ex312 Chisel, Scaling



No.	b inch	l inch	Wt. lbs.	b mm	l mm	kg	Shank
Ex312-25	1	4-15/16	0.30	25	125	0.14	Weld flux 1/2" quarter octagon stock
Ex312-50	2	4-15/16	0.35	50	125	0.16	Weld flux 1/2" quarter octagon stock
Ex312L-25	1	7-7/8	0.35	25	200	0.16	Weld flux 1/2" quarter octagon stock
Ex312L-50	2	7-7/8	0.70	50	200	0.32	Weld flux 1/2" quarter octagon stock

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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When ordering, specify:

A = Aluminum Bronze

B = Copper Beryllium

Example: Ex314-40A

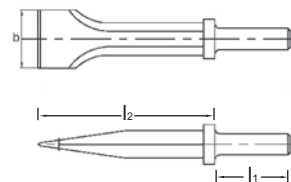
or

Ex314-40B

Chisel, Chipping Hammer
Chisel, Paving Breaker
Chisel, Bull Point
Chisel, Paving Breaker
Chisel, Bull Point

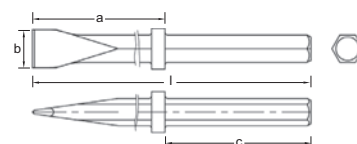
Ex314
Ex318F
Ex318R
Ex320F
Ex320R

Ex314 Chisel, Chipping Hammer



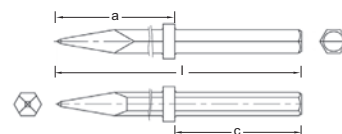
No.	b inch	l ₁ inch	l ₂ inch	Wt. lbs.	b mm	kg	Shank
Ex314-40	1-1/2	5-5/8	2-7/16	0.90	40	0.41	.680 round collar, round shank
Ex314-65	2-3/8	5-5/8	2-7/16	1.40	60	0.64	.680 round collar, round shank

Ex318F Chisel, Paving Breaker



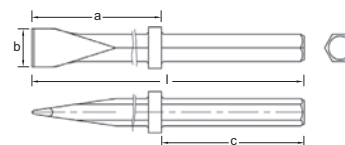
No.	b inch	l inch	a inch	c inch	Wt. lbs.	b mm	l mm	kg	Shank
Ex318F-75	3	18-13/16	12-13/16	6	5.75	75	478	2.60	1-1/8" Hex

Ex318R Chisel, Bull Point



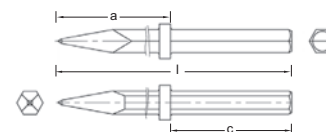
No.	l inch	a inch	c inch	Wt. lbs.	l mm	kg	Shank
Ex318R-14	19-5/16	13-5/16	6	6	490	2.72	1-1/8" Hex

Ex320F Chisel, Paving Breaker



No.	b inch	l inch	a inch	c inch	Wt. lbs.	b mm	l mm	kg	Shank
Ex320F-75	3	18-15/16	12-15/16	6	5.50	75	481	2.50	1-1/4" Hex

Ex320R Chisel, Bull Point



No.	l inch	a inch	c inch	Wt. lbs.	l mm	kg	Shank
Ex320R-14	19-1/4	13-1/4	6	7	489	3.18	1-1/4" Hex

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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Chisel, Clay Spade Ex340
 Chisel, Scaling Ex380SH
 Chisel, Angle Scaling Ex390
 Wedge, Flange with Lanyard Hole Ex1101U
 Wedge, Banana with Lanyard Hole Ex1101BH

When ordering, specify:

A = Aluminum Bronze

B = Copper Beryllium

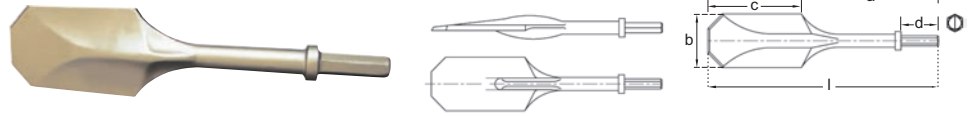
Example: Ex340-100A

or

Ex340-100B

18

Ex340 Chisel, Clay Spade



No.	b inch	l inch	a inch	c inch	d inch	Wt. lbs.	b mm	l mm	kg	Shank
Ex340-100	4-1/2	16	11	5	4	9	114	406	4.08	1" Hex

Ex380SH Chisel, Scaling



No.	b inch	Wt. lbs.	b mm	kg	Shank
Ex380SH-50	2	0.49	50	0.22	Weld flux 1/2" quarter octagon stock

Ex390-180B Chisel, Angle Scaling



No.	l inch	a inch	b inch	Wt. lbs.	l mm	kg	Shank
Ex390-180B	7	3/4"	1-1/2	4.7	177	2.15	.374" round

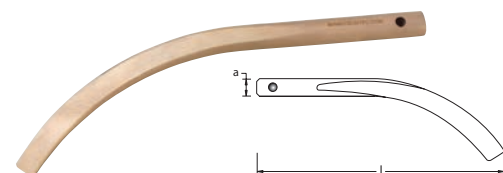
WEDGES

Ex1101U Wedge, Flange with Lanyard Hole



No.	a inch	b inch	l inch	Wt. lbs.
Ex1101U-1	1/4	1/2	3	0.04
Ex1101U-2	1/2	3/4	4	0.18
Ex1101U-3	1/2	1	6	0.42
Ex1101U-4	3/4	1-1/2	6	0.92
Ex1101U-5	1/2	1-1/4	7	0.64
Ex1101U-6	3/4	2	7	1.56
Ex1101U-7	1-5/8	1-1/2	8	2.50
Ex1101U-8	1	1-1/2	8	1.72
Ex1101U-9	3/4	2	8	1.66
Ex1101U-10	1-1/4	2	8	2.96
Ex1101U-11	3/8	2	7	1.20
Ex1101U-12	3/8	2	3-9/16	0.40
Ex1101U-14	3/4	1-1/2	9	2.19

Ex1101BH Wedge, Banana with Lanyard Hole *Copper Beryllium (CuBe) only*



No.	a inch	l inch	Wt. lbs.
Ex1101BH-20B	3/4	12	1.6

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Tightening Tools

Wrenches – pages 20-31

Pipe Wrenches – pages 31- 32

Ratchets – pages 33

Socket Wrenches – pages 34-37

Sockets:

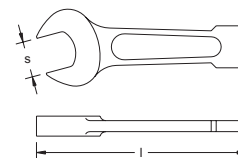
- Standard (1/4", 3/8", 1/2", 3/4" and 1" drive) – pages 38-40
- Standard Deep (1/4", 3/8", 1/2", 3/4" and 1" drive) – pages 41-44
- Impact (3/8", 1/2", 3/4", 1" and 1-1/2" drive) – pages 44-46
- Deep Impact (3/8", 1/2", 3/4", 1" and 1-1/2" drive) – pages 47-49
- Special Extended Depth 4-Point and 6-Point (1/2", 3/4" and 1" drive) – Available upon request

Allen Keys – page 50

Wheel Wrenches – page 51

Pliers – pages 52-53

Screwdrivers – pages 54-55



Ex200

Wrench, Striking, Open End

No.	s inch	l inch	Wt. lbs.
Ex200-010U	11/16	5-9/16	0.40
Ex200-015U	3/4	5-9/16	0.42
Ex200-020U	7/8	6	0.57
Ex200-025U	15/16	6-3/8	0.73
Ex200-030U	1	7-3/16	0.95
Ex200-035U	1-1/16	7-3/16	0.95
Ex200-040U	1-1/8	7-3/16	0.95
Ex200-045U	1-3/16	7-9/16	1.17
Ex200-050U	1-1/4	7-9/16	1.17
Ex200-055U	1-5/16	7-3/4	1.28
Ex200-060U	1-3/8	8-3/8	1.87
Ex200-065U	1-7/16	8-3/8	1.87
Ex200-070U	1-1/2	8-3/8	2.16
Ex200-075U	1-9/16	9	2.20
Ex200-080U	1-5/8	9	2.29
Ex200-085U	1-11/16	9	2.43
Ex200-090U	1-3/4	9	2.81
Ex200-095U	1-13/16	9	3.26
Ex200-100U	1-7/8	11	3.52
Ex200-105U	2	11-3/16	3.77
Ex200-110U	2-1/16	11-3/16	4.85
Ex200-115U	2-1/8	12-1/4	4.85
Ex200-120U	2-3/16	12-3/8	4.85
Ex200-125U	2-1/4	12-3/8	4.85
Ex200-130U	2-5/16	12-3/4	6.08
Ex200-135U	2-3/8	12-3/4	6.08
Ex200-140U	2-7/16	14	9.61
Ex200-145U	2-1/2	14	9.61
Ex200-150U	2-9/16	14	9.61
Ex200-155U	2-5/8	15	10.69
Ex200-160U	2-3/4	15	10.69
Ex200-165U	2-13/16	15	10.69
Ex200-170U	2-15/16	15-3/4	12.26
Ex200-175U	3	15-3/4	12.26
Ex200-180U	3-1/8	15-3/4	12.26
Ex200-185U	3-1/4	16-9/16	14.33
Ex200-190U	3-3/8	16-9/16	14.33
Ex200-195U	3-1/2	16-9/16	14.33
Ex200-200U	3-5/8	18	17.86
Ex200-205U	3-3/4	18	17.86
Ex200-210U	3-7/8	18	17.86

No.	s mm	l mm	kg
Ex200-17	17	140	0.18
Ex200-18	18	140	0.18
Ex200-19	19	140	0.19
Ex200-22	22	150	0.26
Ex200-24	24	160	0.33
Ex200-26	26	180	0.43
Ex200-27	27	180	0.43
Ex200-28	28	180	0.43
Ex200-29	29	190	0.53
Ex200-30	30	190	0.53
Ex200-32	32	195	0.58
Ex200-35	35	210	0.85
Ex200-36	36	210	0.85
Ex200-37	37	210	0.85
Ex200-38	38	225	0.98
Ex200-41	41	225	1.04
Ex200-42	42	225	1.10
Ex200-46	46	255	1.48
Ex200-50	50	280	1.71
Ex200-52	52	280	2.20
Ex200-55	55	310	2.20
Ex200-56	56	310	2.20
Ex200-60	60	320	2.76
Ex200-63	63	350	4.36
Ex200-65	65	350	4.36
Ex200-70	70	375	4.85
Ex200-75	75	395	5.56
Ex200-80	80	410	6.20
Ex200-85	85	415	6.50
Ex200-90	90	435	7.45
Ex200-95	95	450	8.10
Ex200-100	100	485	9.90
Ex200-105	105	485	9.90
Ex200-110	110	510	19.5
Ex200-115	115	510	19.5
Ex200-120	120	545	23.0
Ex200-125	125	545	23.0
Ex200-130	130	575	28.0
Ex200-135	135	575	28.0
Ex200-145	145	640	38.0
Ex200-150	150	640	38.0

Additional sizes available. See our website for a complete list.

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When ordering, specify:

A = Aluminum Bronze

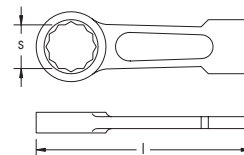
B = Copper Beryllium

Example: Ex201B-001UA

or

Ex201B-001UB

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



No.	s inch	l inch	Wt. lbs.
Ex201B-001U	1/2	5-9/16	0.40
Ex201B-002U	9/16	5-9/16	0.40
Ex201B-003U	5/8	5-9/16	0.40
Ex201B-005U	11/16	5-9/16	0.40
Ex201B-010U	3/4	5-9/16	0.40
Ex201B-015U	7/8	6-3/8	0.49
Ex201B-017U	15/16	6-3/8	0.60
Ex201B-020U	1	6-3/8	0.60
Ex201B-025U	1-1/16	7-3/16	0.77
Ex201B-030U	1-1/8	7-3/16	0.77
Ex201B-035U	1-3/16	7-9/16	1.12
Ex201B-040U	1-1/4	7-9/16	1.12
Ex201B-045U	1-5/16	7-3/4	1.17
Ex201B-050U	1-3/8	8-3/16	1.23
Ex201B-055U	1-7/16	8-3/16	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	9-9/16	2.71
Ex201B-085U	1-13/16	9-9/16	2.71
Ex201B-090U	1-7/8	9-9/16	2.71
Ex201B-093U	1-15/16	10	2.87
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-157U	2-7/8	13-3/8	6.44
Ex201B-160U	2-15/16	13-3/8	6.44
Ex201B-165U	3	13-3/8	6.44
Ex201B-167U	3-1/16	13-3/4	7.23
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

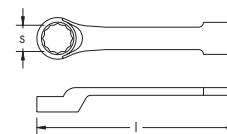
No.	s mm	l mm	kg
Ex201B-17	17	140	0.18
Ex201B-18	18	140	0.18
Ex201B-19	19	140	0.18
Ex201B-20	20	160	0.22
Ex201B-21	21	160	0.22
Ex201B-22	22	160	0.22
Ex201B-23	23	160	0.22
Ex201B-24	24	160	0.27
Ex201B-25	25	160	0.27
Ex201B-26	26	180	0.35
Ex201B-27	27	180	0.35
Ex201B-28	28	180	0.35
Ex201B-29	29	190	0.51
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

TIGHTENING

**Additional sizes available.
See our website for
a complete list.**

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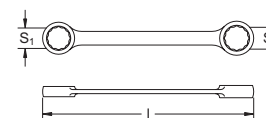
Ex201F

Wrench, Striking, Box, Offset

12-Point

No.	s inch	l inch	Wt. lbs.
Ex201F-003U	7/8	10-3/4	1.65
Ex201F-004U	1	10-3/4	1.65
Ex201F-005U	1-1/16	10-3/4	1.65
Ex201F-007U	1-1/8	10-3/4	1.81
Ex201F-010U	1-3/16	10-3/4	1.81
Ex201F-015U	1-1/4	10-3/4	1.81
Ex201F-017U	1-5/16	11-3/16	2.87
Ex201F-018U	1-3/8	11-3/16	2.87
Ex201F-020U	1-7/16	11-3/16	2.87
Ex201F-022U	1-1/2	12-3/8	2.98
Ex201F-025U	1-5/8	12-3/8	2.98
Ex201F-027U	1-11/16	12-3/8	2.98
Ex201F-028U	1-3/4	12-3/4	4.19
Ex201F-030U	1-13/16	12-3/4	4.19
Ex201F-032U	1-7/8	13-3/16	4.67
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	l mm	Wt. 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 x S 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	1/2 x 19/32	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 x S ₂ mm	l mm	Wt. kg
Ex202-6-7	6 x 7	80	0.03
Ex202-8-10	8 x 10	95	0.04
Ex202-9-11	9 x 11	105	0.06
Ex202-12-14	12 x 14	130	0.10
Ex202-13-15	13 x 15	130	0.10
Ex202-14-15	14 x 15	130	0.09
Ex202-14-17	14 x 17	150	0.14
Ex202-16-17	16 x 17	150	0.14
Ex202-16-18	16 x 18	150	0.14
Ex202-17-19	17 x 19	150	0.14
Ex202-19-22	19 x 22	185	0.18
Ex202-21-23	21 x 23	190	0.22
Ex202-22-24	22 x 24	190	0.22
Ex202-24-27	24 x 27	220	0.29
Ex202-25-28	25 x 28	270	0.42
Ex202-27-30	27 x 30	270	0.42
Ex202-30-32	30 x 32	270	0.48
Ex202-32-36	32 x 36	305	0.60

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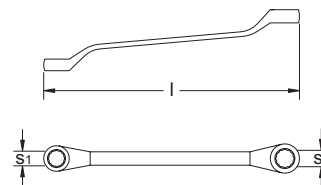
A = Aluminum Bronze

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 3/4	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 1-1/16	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 1-5/16	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 1-5/16	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

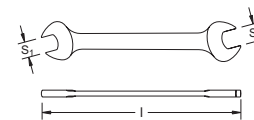
No.	S ₁ x S ₂ mm	L mm	Wt. kg
Ex202F-6-7	6 x 7	120	0.03
Ex202F-7-9	7 x 9	130	0.03
Ex202F-8-9	8 x 9	130	0.04
Ex202F-8-10	8 x 10	130	0.04
Ex202F-9-11	9 x 11	160	0.04
Ex202F-10-11	10 x 11	160	0.08
Ex202F-10-12	10 x 12	160	0.08
Ex202F-10-14	10 x 14	180	0.10
Ex202F-11-12	11 x 12	180	0.10
Ex202F-11-14	11 x 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

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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Ex203

Wrench, Open End, Double



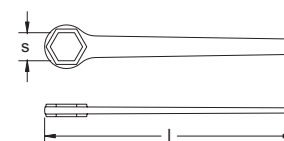
No.	S ₁ x S ₂ inch	I inch	Wt. lbs.
Ex203-005U	7/32 x 1/4	3-9/16	0.07
Ex203-010U	1/4 x 9/32	4	0.07
Ex203-015U	1/4 x 5/16	3-9/16	0.07
Ex203-020U	1/4 x 3/8	4	0.07
Ex203-025U	5/16 x 3/8	4	0.09
Ex203-030U	3/8 x 7/16	4-3/4	0.13
Ex203-035U	7/16 x 1/2	5-3/16	0.14
Ex203-040U	7/16 x 9/16	5-3/16	0.14
Ex203-045U	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 1-3/16	10	1.15

No.	S ₁ x S ₂ mm	I mm	Wt. kg
Ex203-6-7	6 x 7	90	0.03
Ex203-6-8	6 x 8	90	0.03
Ex203-7-8	7 x 8	100	0.03
Ex203-7-9	7 x 9	100	0.03
Ex203-8-9	8 x 9	100	0.04
Ex203-8-10	8 x 10	100	0.04
Ex203-9-10	9 x 10	100	0.04
Ex203-9-11	9 x 11	120	0.06
Ex203-10-11	10 x 11	120	0.06
Ex203-10-12	10 x 12	120	0.06
Ex203-11-13	11 x 13	120	0.06
Ex203-12-13	12 x 13	130	0.06
Ex203-12-14	12 x 14	130	0.06
Ex203-13-14	13 x 14	130	0.10
Ex203-13-15	13 x 15	135	0.10
Ex203-14-15	14 x 15	150	0.14
Ex203-14-17	14 x 17	150	0.14
Ex203-16-17	16 x 17	165	0.14
Ex203-16-18	16 x 18	165	0.14
Ex203-17-19	17 x 19	165	0.19
Ex203-17-22	17 x 22	180	0.23
Ex203-18-19	18 x 19	165	0.19
Ex203-18-20	18 x 20	165	0.19
Ex203-19-22	19 x 22	180	0.23
Ex203-19-24	19 x 24	180	0.23
Ex203-20-22	20 x 22	180	0.23
Ex203-21-23	21 x 23	210	0.26
Ex203-22-24	22 x 24	210	0.29
Ex203-22-27	22 x 27	230	0.47
Ex203-23-26	23 x 26	230	0.47
Ex203-24-26	24 x 26	230	0.47

Ex204

Wrench, Box End

6-Point



No.	S inch	I 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	I 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

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

When ordering, specify:

A = Aluminum Bronze

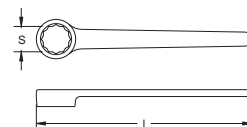
B = Copper Beryllium

Example: Ex204D-005UA

or

Ex204D-005UB

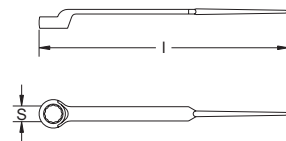
Ex204D Wrench, Box End 12-Point (DIN 3111)



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	1-1/16	9-3/16	0.71
Ex204D-070U	1-1/8	10-1/8	0.95
Ex204D-075U	1-3/16	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

Ex204S Wrench, Construction With Pin, (Ring End)

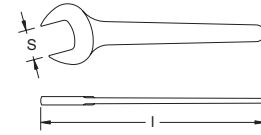


No.	s inch	l inch	Wt. lbs.
Ex204S-003U	13/16	14	0.86
Ex204S-005U	7/8	14	0.86
Ex204S-010U	15/16	14	0.86
Ex204S-012U	1	16	1.08
Ex204S-015U	1-1/16	16	1.08
Ex204S-017U	1-1/8	16	1.76
Ex204S-020U	1-3/16	16	1.76
Ex204S-025U	1-1/4	16	1.72
Ex204S-027U	1-5/16	18	2.05
Ex204S-030U	1-7/16	18	2.05
Ex204S-035U	1-1/2	18	2.05
Ex204S-040U	1-5/8	18	3.00
Ex204S-042U	1-11/16	18	3.00
Ex204S-045U	1-13/16	20	4.54
Ex204S-047U	1-7/8	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

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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Ex205

Wrench, Open End

No.	s inch	l inch	Wt. lbs.
Ex205-005U	1/4	3-3/8	0.02
Ex205-010U	5/16	3-3/4	0.04
Ex205-015U	11/32	4	0.06
Ex205-020U	3/8	4-3/16	0.09
Ex205-025U	11/32	4-3/8	0.10
Ex205-030U	7/16	4-9/16	0.11
Ex205-035U	1/2	4-3/4	0.13
Ex205-040U	9/16	5	0.18
Ex205-045U	19/32	5-1/8	0.21
Ex205-050U	5/8	5-3/8	0.24
Ex205-055U	11/16	5-9/16	0.24
Ex205-060U	3/4	6-3/16	0.33
Ex205-065U	25/32	6-5/16	0.36
Ex205-070U	13/16	6-15/16	0.39
Ex205-075U	7/8	7-3/16	0.42
Ex205-080U	15/16	8	0.53
Ex205-085U	31/32	8-1/8	0.58
Ex205-090U	1	8-3/16	0.60
Ex205-095U	1-1/16	9	0.73
Ex205-100U	1-1/8	9-1/2	0.80
Ex205-105U	1-3/16	10-3/16	0.88
Ex205-110U	1-1/4	11	1.15
Ex205-115U	1-5/16	11-5/16	1.30
Ex205-120U	1-3/8	11-3/4	1.46
Ex205-125U	1-7/16	12	1.61
Ex205-130U	1-1/2	12-3/8	1.74
Ex205-135U	1-9/16	12-7/8	2.05
Ex205-140U	1-5/8	13-3/16	2.31
Ex205-145U	1-11/16	13-3/4	2.46
Ex205-150U	1-3/4	14-3/16	2.67
Ex205-155U	1-13/16	14-3/4	2.84
Ex205-160U	1-7/8	14-15/16	3.24
Ex205-162U	1-15/16	15-3/8	3.81
Ex205-165U	2	15-3/16	3.81
Ex205-170U	2-1/16	15-3/8	4.23
Ex205-175U	2-1/8	15-3/4	4.65
Ex205-180U	2-3/16	16	5.07
Ex205-185U	2-1/4	16-3/16	5.50

No.	s mm	l mm	Wt. 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

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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When ordering, specify:

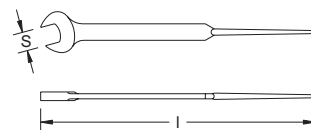
A = Aluminum Bronze

B = Copper Beryllium

Example: Ex205S-005UA

or

Ex205S-005UB



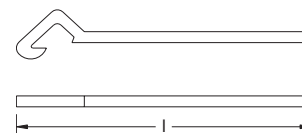
Ex205S

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	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



Ex212

Wrench, Gas Tube

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

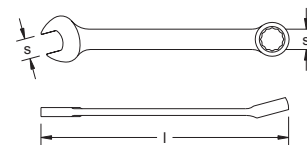
CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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Ex206

Wrench, Combination

Standard



No.	s inch	l 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	1-1/16	11-9/16	1.28
Ex206-100U	1-1/8	12-3/4	1.39
Ex206-105U	1-3/16	12-3/4	1.39
Ex206-110U	1-1/4	13-3/8	1.74
Ex206-115U	1-5/16	14	2.03
Ex206-120U	1-3/8	14	2.03
Ex206-125U	1-7/16	14	2.03
Ex206-130U	1-1/2	14-3/8	2.73
Ex206-135U	1-9/16	14-3/4	3.22
Ex206-140U	1-5/8	14-3/4	3.22
Ex206-145U	1-11/16	16-3/16	3.70
Ex206-150U	1-3/4	16-3/16	3.70
Ex206-155U	1-13/16	16-3/16	3.70
Ex206-160U	1-7/8	16-3/16	3.70
Ex206-165U	2	16-3/4	4.23
Ex206-170U	2-3/16	17-3/8	5.11
Ex206-175U	2-3/8	18-9/16	5.71
Ex206-180U	2-9/16	18-3/4	6.35
Ex206-185U	2-3/4	19-3/16	7.47
Ex206-190U	2-5/8	19-3/16	7.47

No.	s mm	l mm	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

When ordering, specify:

A = Aluminum Bronze

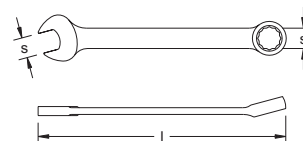
B = Copper Beryllium

Example: Ex206L-005UA

or

Ex206L-005UB

Ex206L Wrench, Combination Long



No.	s inch	l inch	Wt. lbs.
Ex206L-005U	1/4	5.91	0.11
Ex206L-010U	5/16	5.91	0.11
Ex206L-015U	11/32	5.91	0.11
Ex206L-020U	3/8	5.91	0.11
Ex206L-025U	13/32	6.89	0.17
Ex206L-030U	7/16	6.89	0.17
Ex206L-035U	1/2	8.07	0.25
Ex206L-040U	9/16	8.07	0.25
Ex206L-045U	19/32	8.86	0.32
Ex206L-050U	5/8	8.86	0.32
Ex206L-055U	11/16	10.63	0.57
Ex206L-060U	3/4	10.63	0.57
Ex206L-065U	25/32	11.61	0.66
Ex206L-070U	13/16	11.61	0.66
Ex206L-075U	7/8	11.61	0.66
Ex206L-080U	15/16	12.80	0.88
Ex206L-085U	31/32	12.80	0.88
Ex206L-090U	1	13.98	1.21
Ex206L-095U	1-1/16	13.98	1.21
Ex206L-100U	1-1/8	15.35	1.52
Ex206L-105U	1-3/16	15.35	1.52
Ex206L-110U	1-1/4	16.93	2.20
Ex206L-115U	1-5/16	16.93	2.20
Ex206L-120U	1-3/8	18.70	2.43
Ex206L-125U	1-7/16	18.70	2.43
Ex206L-130U	1-1/2	18.70	2.43
Ex206L-135U	1-9/16	20.67	3.20
Ex206L-140U	1-5/8	20.67	3.20
Ex206L-145U	1-11/16	22.64	4.19
Ex206L-150U	1-3/4	22.64	4.19
Ex206L-155U	1-13/16	22.64	4.41
Ex206L-160U	1-7/8	22.64	4.41
Ex206L-161U	1-15/16	22.64	4.63
Ex206L-162U	1-15/16	22.64	4.63
Ex206L-165U	2	22.64	4.85
Ex206L-167U	2-1/16	22.64	4.85
Ex206L-168U	2-1/8	22.64	5.73
Ex206L-170U	2-3/16	22.64	5.73
Ex206L-172U	2-1/4	22.64	5.73
Ex206L-173U	2-5/16	22.64	6.94
Ex206L-175U	2-3/8	22.64	6.94
Ex206L-177U	2-7/16	22.64	6.94
Ex206L-178U	2-1/12	22.64	10.10
Ex206L-180U	2-9/16	22.64	6.35
Ex206L-185U	2-5/8	22.64	7.47
Ex206L-187U	2-11/16	22.64	9.82
Ex206L-190U	2-3/4	22.64	9.82
Ex206L-205U	2-13/16	22.64	9.82
Ex206L-210U	2-7/8	22.64	9.82
Ex206L-215U	2-15/16	25.20	12.74
Ex206L-220U	3	25.20	12.74
Ex206L-230U	3-1/8	25.20	12.74

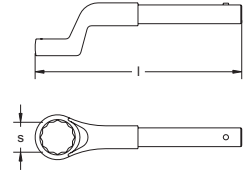
No.	s mm	l mm	kg
x206L-6	6	120	0.03
Ex206L-7	7	120	0.03
Ex206L-8	8	150	0.05
Ex206L-9	9	150	0.05
Ex206L-10	10	175	0.05
Ex206L-11	11	175	0.08
Ex206L-12	12	205	0.12
Ex206L-13	13	205	0.12
Ex206L-14	14	205	0.12
Ex206L-15	15	225	0.15
Ex206L-16	16	225	0.15
Ex206L-17	17	270	0.26
Ex206L-18	18	270	0.26
Ex206L-19	19	270	0.26
Ex206L-20	20	295	0.30
Ex206L-21	21	295	0.30
Ex206L-22	22	295	0.30
Ex206L-23	23	325	0.40
Ex206L-24	24	325	0.40
Ex206L-25	25	355	0.55
Ex206L-26	26	355	0.55
Ex206L-27	27	355	0.55
Ex206L-28	28	390	0.69
Ex206L-29	29	390	0.69
Ex206L-30	30	390	0.69
Ex206L-31	31	390	0.69
Ex206L-32	32	430	1.00
Ex206L-33	33	430	1.00
Ex206L-34*	34	430	1.00
Ex206L-35	35	430	1.00
Ex206L-36	36	475	1.10
Ex206L-38	38	475	1.10
Ex206L-40	40	475	1.10
Ex206L-41	41	525	1.45
Ex206L-42	42	525	1.45
Ex206L-46	46	550	1.90
Ex206L-47	47	550	1.90
Ex206L-48	48	550	1.90
Ex206L-50	50	575	2.20
Ex206L-55	55	575	2.60
Ex206L-60	60	575	3.15
Ex206L-65	65	575	4.58
Ex206L-70	70	575	4.58
Ex206L-75	75	635	5.80
Ex206L-80	80	635	5.80

*AlBr Only

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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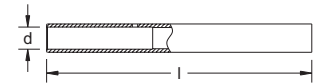
Ex215 Wrench, Box, For Extension



No.	s inch	l inch	Wt. lbs.	
Ex215-005U	1-3/16	8	2.03	For use with extension Ex216-22
Ex215-010U	1-1/4	9-3/8	2.14	
Ex215-015U	1-5/16	9-3/8	2.14	
Ex215-020U	1-3/8	9-3/8	2.14	
Ex215-025U	1-7/16	9-3/4	2.27	
Ex215-030U	1-1/2	10	2.51	
Ex215-035U	1-9/16	10-9/16	2.78	
Ex215-040U	1-5/8	10-9/16	2.78	For use with extension Ex216-25
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	For use with extension Ex216-30
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	For use with extension Ex216-30
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	

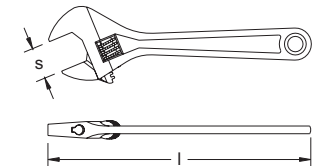
No.	s mm	l mm	Wt. kg	
Ex215-30	30	200	0.92	For use with extension Ex216-22
Ex215-32	32	235	0.97	
Ex215-33	33	235	0.97	
Ex215-34	34	235	0.97	
Ex215-35	35	245	1.03	
Ex215-36	36	245	1.03	
Ex215-37	37	250	1.14	
Ex215-38	38	250	1.14	For use with extension Ex216-25
Ex215-41	41	265	1.26	
Ex215-42	42	265	1.26	
Ex215-46	46	280	1.60	
Ex215-47	47	280	1.60	
Ex215-50	50	280	1.77	For use with extension Ex216-30
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	For use with extension Ex216-30
Ex215-70	70	360	3.50	

Ex216 Extension for Box Wrench



No.	d inch	l inch	Wt. lbs.	d mm	l mm	Wt. 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

Ex501 Wrench, Adjustable End



No.	s max inch	l inch	Wt. lbs.	s max mm	l mm	Wt. 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
Ex501-15	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

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

When ordering, specify:

A = Aluminum Bronze

B = Copper Beryllium

Example: Ex1514B-005UA

or

Ex1514B-005UB

Wrench, Torque

Wrench, Crowfoot, 1/2" Drive

Wrench, Pipe (American Type)

Ex1401TB

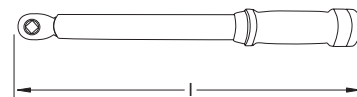
Ex1514B

Ex502

Ex1401TB

Wrench, Torque

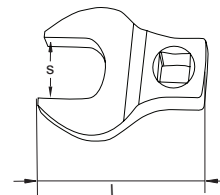
Copper Beryllium (CuBe) only



No.	Drive inch	L inch	Torque Range ft./lbs.	Wt. lbs.	L mm	Torque Range Nm	kg
Ex1401TB-B (slight magnetism)	1/2	20-1/2	22-110	3	521	30 - 150	1.38
Ex1401NM-B (non-magnetic)	1/2	20-1/2	22-110	3	521	30 - 150	1.38

Ex1514B

Wrench, Crowfoot, 1/2" Drive



No.	s inch	L inch	Wt. lbs.
Ex1514B-005U	1/4	1-9/16	0.04
Ex1514B-010U	5/16	1-11/16	0.04
Ex1514B-015U	3/8	1-11/16	0.04
Ex1514B-020U	7/16	1-7/8	0.08
Ex1514B-025U	1/2	1-7/8	0.08
Ex1514B-030U	9/16	2	0.17
Ex1514B-035U	5/8	2	0.17
Ex1514B-040U	11/16	2-6/13	0.22
Ex1514B-045U	3/4	2-6/13	0.22
Ex1514B-047U	25/32	2-6/13	0.22
Ex1514B-050U	13/16	2-3/8	0.22

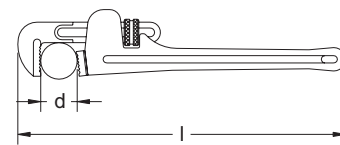
No.	s inch	L inch	Wt. lbs.
Ex1514B-055U	7/8	2-3/8	0.22
Ex1514B-060U	15/16	2-1/2	0.26
Ex1514B-065U	1	2-5/8	0.33
Ex1514B-070U	1-1/16	2-13/16	0.44
Ex1514B-075U	1-1/8	2-13/16	0.73
Ex1514B-080U	1-3/16	3-5/16	0.73
Ex1514B-085U	1-1/4	3-5/16	0.73
Ex1514B-090U	1-5/16	3-5/16	0.73
Ex1514B-095U	1-3/8	3-5/16	0.73
Ex1514B-100U	1-7/16	3-5/16	0.73
Ex1514B-110U	1-1/2	3-5/16	0.73

PIPE WRENCHES

Ex502

Wrench, Pipe

American Type



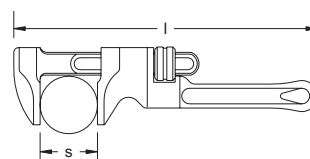
No.	d max inch	L inch	Wt. lbs.	d max mm	L mm	kg
Ex502-6	3/4	6	0.66	20	150	0.30
Ex502-8	1	8	1.04	25	200	0.47
Ex502-10	1-3/16	10	2.25	30	250	1.02
Ex502-12	1-9/16	12	3.26	40	300	1.48
Ex502-14	2	14	3.59	50	350	1.63
Ex502-18	2-3/8	18	6.28	60	450	2.85
Ex502-24	3	24	10.67	75	600	4.84
Ex502-36	3-3/8	36	17.17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

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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Ex503

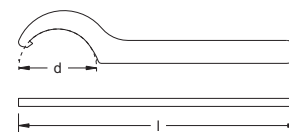
Wrench, Monkey



No.	s max inch	l inch	Wt. lbs.	s max mm	l mm	kg
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	4	18-3/16	5.84	80	460	2.65

Ex208

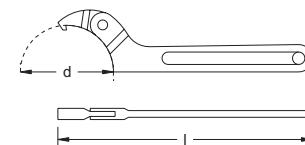
Wrench, Spanner, Fixed (DIN 1810)



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

Ex208S

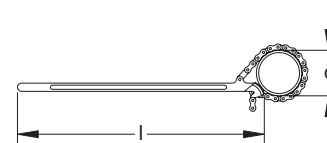
Wrench, Spanner, Adjustable



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

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

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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When ordering, specify:

A = Aluminum Bronze

B = Copper Beryllium

Example: Ex504S-005UA

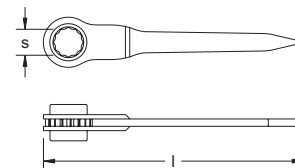
or

Ex504S-005UB

RATCHETS

Ex504S

Wrench, Ratchet

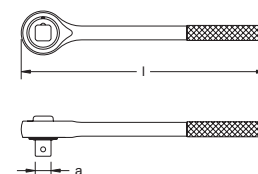


No.	s inch	l inch	Wt. lbs.
Ex504S-005U	1-15/16	9-9/16	1.10
Ex504S-010U	1-1/16	10-3/4	1.59
Ex504S-015U	1-3/16	12	1.96
Ex504S-020U	1-1/4	12-3/4	2.20
Ex504S-025U	1-7/16	13-3/16	2.65
Ex504S-030U	15/8	13-3/16	3.02

No.	s mm	l mm	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

Ex1501S

Wrench, Ratchet



No.	a inch	l inch	Wt. lbs.	l mm	kg
Ex1501S-AA	1/4	6	0.35	150	0.16
Ex1501S-A	3/8	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

Ex1501D

Square Drive for Ratchet

Copper Beryllium (CuBe) only



No.	Ex1501D-1/4B	Ex1501D-3/8B	Ex1501D-1/2B	Ex1501D-3/4B	Ex1501D-1B
Size of Square Drive	1/4"	3/8"	1/2"	3/4"	1"

Ex1510

Adapter / Converter



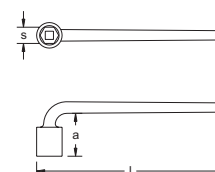
No.	Ex1510-AAB	Ex1510-BC	Ex1510-CD
Size of Square Drive	1/4" to 1/2"	1/2" to 3/4"	3/4" to 1"

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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SOCKET WRENCHES

Ex701 Wrench, Socket L-Type, 6-Point



No.	s inch	a inch	l inch	Wt. lbs.
Ex701-005U	1/4	7/8	3-3/4	0.08
Ex701-010U	5/16	1-7/16	4-1/4	0.22
Ex701-015U	11/32	1-7/16	6-7/16	0.33
Ex701-020U	3/8	1-7/16	6-7/16	0.22
Ex701-025U	13/32	1-7/16	6-7/16	0.33
Ex701-030U	7/16	1-7/16	6-7/16	0.33
Ex701-035U	1/2	17/16	6-7/16	0.37
Ex701-040U	9/16	1-7/16	6-7/16	0.35
Ex701-045U	19/32	1-7/16	6-7/16	0.35
Ex701-050U	5/8	2-1/16	8-7/16	0.66
Ex701-055U	11/16	2-1/16	8-7/16	0.66
Ex701-060U	3/4	2-1/16	8-7/16	0.77
Ex701-065U	25/32	2-1/16	8-7/16	0.81
Ex701-070U	13/16	2-1/4	8-7/16	0.82
Ex701-075U	7/8	2-1/4	8-7/16	0.77
Ex701-080U	15/16	2-1/4	9-9/16	0.88
Ex701-085U	31/32	2-1/4	9-9/16	0.92
Ex701-090U	1	2-1/4	9-9/16	0.98
Ex701-095U	1-1/16	2-1/4	9-9/16	1.04
Ex701-100U	1-1/8	2-1/4	9-9/16	1.01
Ex701-105U	1-3/16	2-9/16	10-3/8	1.85
Ex701-110U	1-1/4	2-9/16	10-3/8	1.79

No.	s mm	a mm	l mm	Wt. 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	0.160
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

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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When ordering, specify:

A = Aluminum Bronze

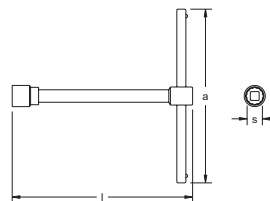
B = Copper Beryllium

Example: Ex702-005UA

or

Ex702-005UB

Ex702 Wrench, Socket T-Type, 12-Point

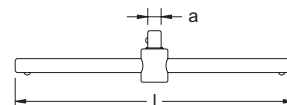


No.	s inch	a inch	l inch	Wt. lbs.
Ex702-005U	5/16	8	6-3/4	1.28
Ex702-010U	11/32	8	6-3/4	1.28
Ex702-015U	3/8	8	6-3/4	1.28
Ex702-020U	13/32	8	6-3/4	1.28
Ex702-025U	7/16	8	6-3/4	1.28
Ex702-030U	1/2	8	6-3/4	1.28
Ex702-035U	9/16	8	6-3/4	1.28
Ex702-040U	19/32	10	10-3/8	1.59
Ex702-045U	5/8	10	10-3/8	1.59
Ex702-050U	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	11-3/16	11-3/16	2.47
Ex702-110U	1-5/16	11-3/16	11-3/16	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

TIGHTENING

Ex1502 Bar, Sliding

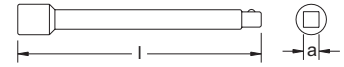


No.	a inch	l inch	Wt. lbs.	l mm	Wt. kg
Ex1502-AA	1/4	6	0.15	150	0.068
Ex1502-A	3/8	7-3/16	0.49	180	0.22
Ex1502-B	1/2	10	0.82	250	0.37
Ex1502-C	3/4	16	2.89	400	1.31
Ex1502-D	1	16	3.57	400	1.62

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

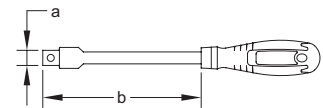
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Ex1504 Bar, Extension



No.	a inch	l inch	Wt. lbs.	l mm	kg
Ex1504AA-100A	1/4	4	0.12	100	0.05
Ex1504AA-200A	1/4	8	0.21	200	0.10
Ex1504A-75A	3/8	3	0.15	75	0.07
Ex1504A-150A	3/8	6	0.33	150	0.15
Ex1504A-100A	3/8	4	0.21	100	0.10
Ex1504B-100A	1/2	4	0.57	100	0.26
Ex1504B-200A	1/2	8	0.90	200	0.41
Ex1504B-250A	1/2	10	1.06	250	0.48
Ex1504C-100A	3/4	4	1.28	100	0.58
Ex1504C-200A	3/4	8	2.12	200	0.96
Ex1504C-250A	3/4	10	2.51	250	1.14
Ex1504D-100A	1	4	2.20	100	1.00
Ex1504D-250A	1	10	4.28	250	1.95

Ex1504S Driver Handle



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

Ex1505 Wrench Handle, Speed



No.	a inch	l inch	Wt. lbs.	l mm	kg
Ex1505AA	1/4	13	1.10	325	0.50
Ex1505A	3/8	14	1.21	350	0.55
Ex1505B	1/2	15-3/16	1.28	380	0.58
Ex1505C	3/4	16	3.19	400	1.45
Ex1505D	1	17	3.42	425	1.55

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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TIGHTENING

When ordering, specify:

A = Aluminum Bronze

B = Copper Beryllium

Example: Ex1506AAA

or

Ex1506AAB

Wrench Handle, Hinged Ex1506

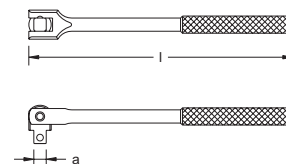
Universal Joint Ex1507

Offset Grip Handle Ex1508

Adapter/Converter Ex1509

Ex1506

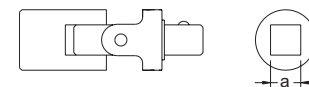
Wrench Handle, Hinged



No.	a inch	l inch	Wt. lbs.	l mm	kg
Ex1506AA	1/4	5-3/4	0.29	145	0.13
Ex1506A	3/8	8	0.49	200	0.22
Ex1506B	1/2	12	2.2	300	1.00
Ex1506C	3/4	14-3/8	2.65	360	1.20
Ex1506D	1	14-3/8	4.12	360	1.87

Ex1507

Universal Joint

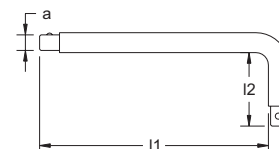


No.	a inch	Wt. lbs.	kg
Ex1507AA	1/4	0.07	0.03
Ex1507A	3/8	0.18	0.08
Ex1507B	1/2	0.35	0.16
Ex1507C	3/4	1.26	0.57
Ex1507D	1	2.43	1.10

Ex1508

Offset Grip Handle

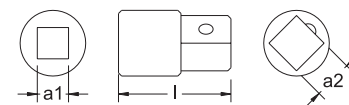
Copper Beryllium (CuBe) only



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

Ex1509

Adapter/Converter



No.	a ₁ inch	a ₂ 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

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

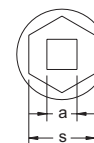
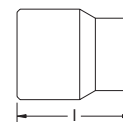
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SOCKETS

Ex1503AA

Socket 1/4" Drive

6-Point



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	Wt. 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

Ex1503A

Socket 3/8" Drive

6-Point

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

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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When ordering, specify:

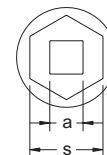
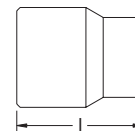
A = Aluminum Bronze

B = Copper Beryllium

Example: Ex1503B-005UA

or

Ex1503B-005UB



Ex1503B Socket 1/2" Drive

6-Point

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-033U	1/2	19/32	1-1/2	0.20
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	1-5/16	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

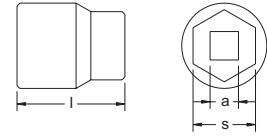
TIGHTENING

Socket Kits – see pages 77-80

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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Ex1503C Socket 3/4" Drive 6-Point



When ordering, specify:

A = Aluminum Bronze

B = Copper Beryllium

Example: Ex1503C-005UA

or

Ex1503C-005UB

No.	a inch	s inch	l inch	Wt. lbs.
Ex1503C-005U	3/4	3/4	1-5/16	0.53
Ex1503C-010U	3/4	13/16	1-5/16	0.53
Ex1503C-015U	3/4	7/8	1-5/16	0.55
Ex1503C-020U	3/4	15/16	1-5/16	0.57
Ex1503C-025U	3/4	1	1-5/16	0.57
Ex1503C-030U	3/4	1-1/16	2	0.57
Ex1503C-035U	3/4	1-1/8	2	0.57
Ex1503C-040U	3/4	1-3/16	2	0.62
Ex1503C-045U	3/4	1-1/4	2-1/8	0.68
Ex1503C-050U	3/4	1-5/16	2-1/8	0.71
Ex1503C-055U	3/4	1-3/8	2-1/8	0.84
Ex1503C-060U	3/4	1-7/16	2-1/4	1.01
Ex1503C-065U	3/4	1-1/2	2-1/4	1.12
Ex1503C-070U	3/4	1-9/16	2-1/4	1.28
Ex1503C-075U	3/4	1-5/8	2-3/8	1.37
Ex1503C-080U	3/4	1-11/16	2-3/8	1.37
Ex1503C-085U	3/4	1-3/4	2-5/8	1.50
Ex1503C-090U	3/4	1-13/16	2-5/8	1.81
Ex1503C-095U	3/4	1-7/8	2-5/8	1.85
Ex1503C-100U	3/4	1-15/16	2-11/16	1.98
Ex1503C-105U	3/4	2	2-11/16	2.03

No.	a inch	s mm	l mm	Wt. kg
Ex1503C-19	3/4	19	49	0.24
Ex1503C-20	3/4	20	49	0.24
Ex1503C-21	3/4	21	49	0.24
Ex1503C-22	3/4	22	49	0.25
Ex1503C-23	3/4	23	49	0.26
Ex1503C-24	3/4	24	49	0.26
Ex1503C-25	3/4	25	49	0.26
Ex1503C-26	3/4	26	50	0.26
Ex1503C-27	3/4	27	50	0.26
Ex1503C-28	3/4	28	50	0.26
Ex1503C-29	3/4	29	50	0.28
Ex1503C-30	3/4	30	50	0.28
Ex1503C-31	3/4	31	54	0.31
Ex1503C-32	3/4	32	54	0.32
Ex1503C-34	3/4	34	54	0.38
Ex1503C-35	3/4	35	54	0.46
Ex1503C-36	3/4	36	56	0.46
Ex1503C-37	3/4	37	56	0.51
Ex1503C-38	3/4	38	56	0.51
Ex1503C-39	3/4	39	56	0.58
Ex1503C-40	3/4	40	60	0.62
Ex1503C-41	3/4	41	60	0.62
Ex1503C-42	3/4	42	60	0.62
Ex1503C-43	3/4	43	60	0.68
Ex1503C-44	3/4	44	66	0.68
Ex1503C-45	3/4	45	66	0.80
Ex1503C-46	3/4	46	66	0.82
Ex1503C-47	3/4	47	66	0.84
Ex1503C-48	3/4	48	68	0.87
Ex1503C-49	3/4	49	68	0.90
Ex1503C-50	3/4	50	68	0.92

Ex1503D Socket 1" Drive 6-Point

No.	a inch	s inch	l inch	Wt. lbs.
Ex1503D-005U	1	1-1/16	2-3/4	1.15
Ex1503D-010U	1	1-1/8	2-3/4	1.15
Ex1503D-015U	1	1-3/16	2-3/4	1.15
Ex1503D-020U	1	1-1/4	2-3/4	1.15
Ex1503D-025U	1	1-5/16	2-3/4	1.46
Ex1503D-030U	1	1-3/8	2-3/4	1.46
Ex1503D-035U	1	1-7/16	2-3/4	1.46
Ex1503D-040U	1	1-1/2	2-3/4	1.46
Ex1503D-045U	1	1-5/8	2-3/4	1.70
Ex1503D-050U	1	1-11/16	2-3/4	1.70
Ex1503D-055U	1	1-3/4	2-3/4	1.70
Ex1503D-060U	1	1-13/16	2-3/4	1.96
Ex1503D-065U	1	1-7/8	2-3/4	1.70
Ex1503D-070U	1	1-15/16	2-3/4	1.96
Ex1503D-075U	1	2	2-3/4	2.12
Ex1503D-080U	1	2-1/16	2-15/16	2.69
Ex1503D-085U	1	2-1/8	2-15/16	2.69
Ex1503D-090U	1	2-3/16	2-15/16	2.69
Ex1503D-095U	1	2-1/4	3-1/8	3.13

No.	a inch	s mm	l mm	Wt. kg
Ex1503D-32	1	32	70	0.52
Ex1503D-36	1	36	70	0.66
Ex1503D-41	1	41	70	0.77
Ex1503D-46	1	46	70	0.89
Ex1503D-50	1	50	70	0.96
Ex1503D-55	1	55	70	1.22
Ex1503D-60	1	60	78	1.42
Ex1503D-65	1	65	78	1.68
Ex1503D-70	1	70	78	2.10
Ex1503D-75	1	75	78	2.36
Ex1503D-80	1	80	78	2.68

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

When ordering, specify:

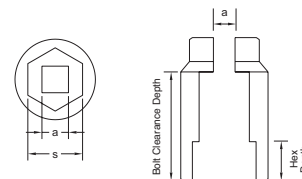
A = Aluminum Bronze

B = Copper Beryllium

Example: Ex1610-005UA

or

Ex1610-005UB



Ex1610 Socket, Standard Deep 1/4" Drive 6-Point

No.	a inch	s inch	Bolt Clearance Depth inch	Hex Depth inch
Ex1610-005U	1/4	1/8	1.54	0.4
Ex1610-010U	1/4	3/16	1.54	0.4
Ex1610-012U	1/4	7/32	1.54	0.4
Ex1610-015U	1/4	1/4	1.54	0.4
Ex1610-017U	1/4	9/32	1.54	0.4
Ex1610-020U	1/4	5/16	1.54	0.4
Ex1610-022U	1/4	11/32	1.54	0.4
Ex1610-025U	1/4	3/8	1.54	0.4
Ex1610-030U	1/4	7/16	1.54	0.4
Ex1610-035U	1/4	1/2	1.54	0.4
Ex1610-040U	1/4	9/16	1.54	0.4

No.	a inch	s mm	Bolt Clearance Depth mm	Hex Depth mm
Ex1610-3	1/4	3	39	10
Ex1610-4	1/4	4	39	10
Ex1610-4.5	1/4	4.5	39	10
Ex1610-5	1/4	5	39	10
Ex1610-5.5	1/4	5.5	39	10
Ex1610-6	1/4	6	39	10
Ex1610-7	1/4	7	39	10
Ex1610-8	1/4	8	39	10
Ex1610-9	1/4	9	39	10
Ex1610-10	1/4	10	39	10
Ex1610-11	1/4	11	39	10
Ex1610-12	1/4	12	39	10
Ex1610-13	1/4	13	39	10
Ex1610-14	1/4	14	39	10

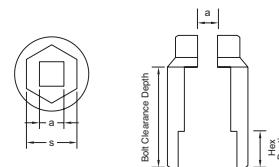
Ex1620 Socket, Standard Deep 3/8" Drive 6-Point

No.	a inch	s inch	Bolt Clearance Depth inch	Hex Depth inch
Ex1620-005U	3/8	1/4	1.85	0.67
Ex1620-010U	3/8	5/16	1.85	0.67
Ex1620-015U	3/8	3/8	2.05	0.67
Ex1620-020U	3/8	7/16	2.05	0.67
Ex1620-025U	3/8	1/2	2.05	0.67
Ex1620-030U	3/8	9/16	2.05	0.67
Ex1620-035U	3/8	5/8	2.25	0.87
Ex1620-040U	3/8	11/16	2.25	0.87
Ex1620-045U	3/8	3/4	2.25	0.87
Ex1620-050U	3/8	13/16	2.13	0.87
Ex1620-055U	3/8	7/8	2.13	0.87
Ex1620-060U	3/8	15/16	2.13	0.87
Ex1620-065U	3/8	1	2.13	0.87

No.	a inch	s mm	Bolt Clearance Depth mm	Hex Depth mm
Ex1620-6	3/8	6	47	17
Ex1620-7	3/8	7	47	17
Ex1620-8	3/8	8	47	17
Ex1620-9	3/8	9	52	17
Ex1620-10	3/8	10	52	17
Ex1620-11	3/8	11	52	17
Ex1620-12	3/8	12	52	17
Ex1620-13	3/8	13	52	17
Ex1620-14	3/8	14	52	17
Ex1620-15	3/8	15	57	22
Ex1620-16	3/8	16	57	22
Ex1620-17	3/8	17	57	22
Ex1620-18	3/8	18	57	22
Ex1620-19	3/8	19	57	22
Ex1620-20	3/8	20	54	22
Ex1620-21	3/8	21	54	22
Ex1620-22	3/8	22	54	22
Ex1620-23	3/8	23	54	22
Ex1620-24	3/8	24	54	22
Ex1620-25	3/8	25	54	22

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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Ex1630

Socket, Standard Deep 1/2" Drive

6-Point

No.	a inch	s inch	Bolt Clearance Depth inch	Hex Depth inch
Ex1630-005U	1/2	1/4	2.67	0.98
Ex1630-010U	1/2	5/16	2.67	0.98
Ex1630-015U	1/2	3/8	2.67	0.98
Ex1630-020U	1/2	7/16	2.67	0.98
Ex1630-025U	1/2	1/2	2.67	0.98
Ex1630-030U	1/2	9/16	2.67	0.98
Ex1630-032U	1/2	19/32	2.67	0.98
Ex1630-035U	1/2	5/8	2.67	0.98
Ex1630-040U	1/2	11/16	2.67	0.98
Ex1630-045U	1/2	3/4	2.67	0.98
Ex1630-047U	1/2	25/32	2.67	0.98
Ex1630-050U	1/2	13/16	2.67	0.98
Ex1630-055U	1/2	7/8	2.67	0.98
Ex1630-060U	1/2	15/16	2.67	0.98
Ex1630-065U	1/2	1	2.67	0.98
Ex1630-070U	1/2	1-1/16	2.67	0.98
Ex1630-075U	1/2	1-1/8	2.67	0.98
Ex1630-080U	1/2	1-3/16	2.67	0.98
Ex1630-085U	1/2	1-1/4	2.67	0.98
Ex1630-090U	1/2	1-5/16	2.67	0.98
Ex1630-095U	1/2	1-3/8	2.67	0.98
Ex1630-100U	1/2	1-7/16	2.67	0.98
Ex1630-110U	1/2	1-1/2	2.67	0.98
Ex1630-115U	1/2	1-9/16	2.67	0.98
Ex1630-120U	1/2	1-5/8	2.67	0.98

No.	a inch	s mm	Bolt Clearance Depth mm	Hex Depth mm
Ex1630-6	1/2	6	68	25
Ex1630-7	1/2	7	68	25
Ex1630-8	1/2	8	68	25
Ex1630-9	1/2	9	68	25
Ex1630-10	1/2	10	68	25
Ex1630-11	1/2	11	68	25
Ex1630-12	1/2	12	68	25
Ex1630-13	1/2	13	68	25
Ex1630-14	1/2	14	68	25
Ex1630-15	1/2	15	68	25
Ex1630-16	1/2	16	68	25
Ex1630-17	1/2	17	68	25
Ex1630-18	1/2	18	68	25
Ex1630-19	1/2	19	68	25
Ex1630-20	1/2	20	68	28
Ex1630-21	1/2	21	68	28
Ex1630-22	1/2	22	68	28
Ex1630-23	1/2	23	68	28
Ex1630-24	1/2	24	68	28
Ex1630-25	1/2	25	68	28
Ex1630-26	1/2	26	68	28
Ex1630-27	1/2	27	68	28
Ex1630-28	1/2	28	68	28
Ex1630-29	1/2	29	68	28
Ex1630-30	1/2	30	68	28
Ex1630-32	1/2	32	68	28

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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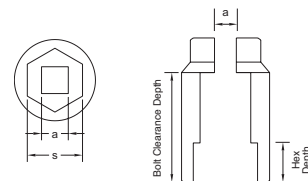
A = Aluminum Bronze

B = Copper Beryllium

Example: Ex1640-005UA

or

Ex1640-005UB



Ex1640

Socket, Standard Deep 3/4" Drive

6-Point

No.	a inch	s inch	Bolt Clearance Depth inch	Hex Depth inch
Ex1640-005U	3/4	3/4	2.67	1.02
Ex1640-010U	3/4	13/16	2.67	1.02
Ex1640-015U	3/4	7/8	2.67	1.02
Ex1640-020U	3/4	15/16	2.67	1.02
Ex1640-025U	3/4	1	2.56	1.10
Ex1640-030U	3/4	1-1/16	2.56	1.10
Ex1640-035U	3/4	1-1/8	2.56	1.10
Ex1640-040U	3/4	1-3/16	2.56	1.10
Ex1640-045U	3/4	1-1/4	2.56	1.10
Ex1640-050U	3/4	1-5/16	2.56	1.10
Ex1640-055U	3/4	1-3/8	2.56	1.10
Ex1640-060U	3/4	1-7/16	2.95	1.26
Ex1640-065U	3/4	1-1/2	2.87	1.26
Ex1640-070U	3/4	1-9/16	2.87	1.26
Ex1640-075U	3/4	1-5/8	2.87	1.26
Ex1640-080U	3/4	1-11/16	2.87	1.26
Ex1640-085U	3/4	1-3/4	2.87	1.26
Ex1640-090U	3/4	1-13/16	2.87	1.26
Ex1640-095U	3/4	1-7/8	2.87	1.26
Ex1640-100U	3/4	1-15/16	2.87	1.26
Ex1640-105U	3/4	2	2.87	1.26
Ex1640-110U	3/4	2-1/16	2.87	1.26
Ex1640-115U	3/4	2-1/8	2.87	1.26
Ex1640-120U	3/4	2-3/16	2.87	1.26
Ex1640-125U	3/4	2-1/4	2.87	1.26
Ex1640-130U	3/4	2-5/16	2.87	1.26
Ex1640-135U	3/4	2-3/8	2.87	1.26

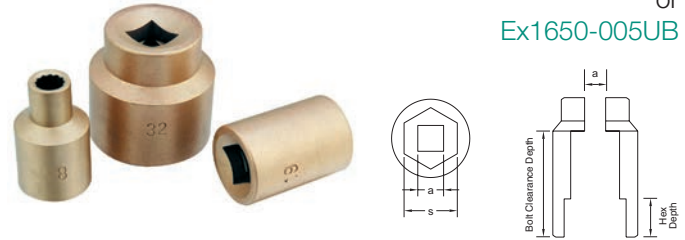
No.	a inch	s mm	Bolt Clearance Depth mm	Hex Depth mm
Ex1640-19	3/4	19	68	26
Ex1640-20	3/4	20	68	26
Ex1640-21	3/4	21	68	26
Ex1640-22	3/4	22	68	26
Ex1640-23	3/4	23	68	26
Ex1640-24	3/4	24	65	28
Ex1640-25	3/4	25	65	28
Ex1640-26	3/4	26	65	28
Ex1640-27	3/4	27	65	32
Ex1640-28	3/4	28	65	32
Ex1640-29	3/4	29	65	32
Ex1640-30	3/4	30	65	32
Ex1640-31	3/4	31	65	32
Ex1640-32	3/4	32	65	32
Ex1640-33	3/4	33	65	32
Ex1640-34	3/4	34	65	32
Ex1640-35	3/4	35	65	32
Ex1640-36	3/4	36	65	32
Ex1640-37	3/4	37	73	32
Ex1640-38	3/4	38	73	32
Ex1640-39	3/4	39	73	32
Ex1640-40	3/4	40	73	32
Ex1640-41	3/4	41	73	32
Ex1640-42	3/4	42	73	32
Ex1640-43	3/4	43	73	32
Ex1640-44	3/4	44	73	32
Ex1640-45	3/4	45	73	32
Ex1640-46	3/4	46	73	32
Ex1640-47	3/4	47	73	32
Ex1640-48	3/4	48	73	32
Ex1640-49	3/4	49	73	32
Ex1640-50	3/4	50	73	32

TIGHTENING

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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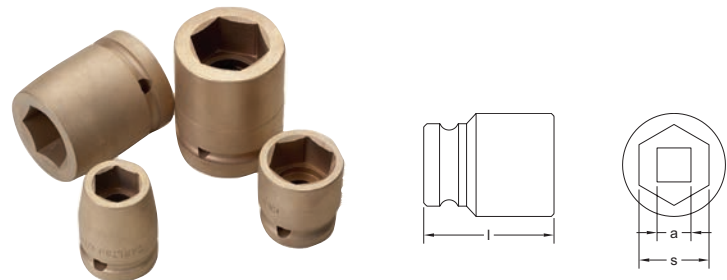
Ex1650 Socket, Standard Deep 1" Drive 6-Point



No.	a inch	s inch	Bolt Clearance Depth inch	Hex Depth inch
Ex1650-005U	1	1-1/16	2.76	1.26
Ex1650-010U	1	1-1/8	2.76	1.26
Ex1650-015U	1	1-3/16	2.76	1.26
Ex1650-020U	1	1-1/4	2.76	1.26
Ex1650-025U	1	1-5/16	2.76	1.26
Ex1650-030U	1	1-3/8	2.76	1.26
Ex1650-035U	1	1-7/16	2.76	1.26
Ex1650-040U	1	1-1/2	2.76	1.26
Ex1650-045U	1	1-5/8	2.76	1.26
Ex1650-050U	1	1-11/16	2.76	1.26
Ex1650-055U	1	1-3/4	2.76	1.26
Ex1650-060U	1	1-13/16	2.76	1.26
Ex1650-065U	1	1-7/8	2.76	1.26
Ex1650-070U	1	1-15/16	2.76	1.26
Ex1650-075U	1	2	2.76	1.26
Ex1650-080U	1	2-1/16	2.76	1.26
Ex1650-085U	1	2-1/8	2.76	1.26
Ex1650-090U	1	2-3/16	2.76	1.26
Ex1650-095U	1	2-1/4	2.76	1.26
Ex1650-100U	1	2-5/16	2.76	1.26
Ex1650-105U	1	2-3/8	2.76	1.26
Ex1650-110U	1	2-7/16	2.76	1.26
Ex1650-115U	1	2-1/2	2.76	1.26
Ex1650-120U	1	2-9/16	2.76	1.26
Ex1650-125U	1	2-5/8	2.76	1.26

No.	a inch	s mm	Bolt Clearance Depth mm	Hex Depth mm
Ex1650-32	1	32	70	32
Ex1650-36	1	36	70	32
Ex1650-41	1	41	70	32
Ex1650-46	1	46	70	32
Ex1650-50	1	50	70	32
Ex1650-55	1	55	70	32
Ex1650-60	1	60	70	32
Ex1650-65	1	65	70	32
Ex1650-70	1	70	70	32
Ex1650-75	1	75	70	32
Ex1650-80	1	80	70	32

Ex1720 Socket, Impact 3/8" Drive Copper Beryllium (CuBe) only 6-Point



No.	a inch	s inch	l inch	Wt. lbs.
Ex1720-005UB	3/8	1/4	1-1/4	0.11
Ex1720-010UB	3/8	5/16	1-1/4	0.11
Ex1720-015UB	3/8	3/8	1-1/4	0.11
Ex1720-020UB	3/8	7/16	1-1/4	0.11
Ex1720-025UB	3/8	1/2	1-1/4	0.15
Ex1720-030UB	3/8	9/16	1-1/4	0.15
Ex1720-035UB	3/8	5/8	1-3/8	0.17
Ex1720-040UB	3/8	11/16	1-3/8	0.18
Ex1720-045UB	3/8	3/4	1-3/8	0.20

No.	a inch	s mm	l mm	kg
Ex1720-7B	3/8	7	31	0.049
Ex1720-8B	3/8	8	31	0.049
Ex1720-9B	3/8	9	31	0.049
Ex1720-10B	3/8	10	31	0.049
Ex1720-11B	3/8	11	31	0.048
Ex1720-12B	3/8	12	31	0.046
Ex1720-13B	3/8	13	31	0.066
Ex1720-14B	3/8	14	31	0.066
Ex1720-15B	3/8	15	34	0.068
Ex1720-16B	3/8	16	34	0.077
Ex1720-17B	3/8	17	34	0.082
Ex1720-18B	3/8	18	34	0.087
Ex1720-19B	3/8	19	34	0.092

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

When ordering, specify:

B = Copper Beryllium

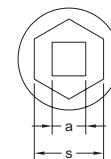
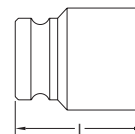
Example: Ex1730-005UB

Ex1730

Socket, Impact 1/2" Drive

Copper Beryllium (CuBe) only

6-Point



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

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

Ex1740

Socket, Impact 3/4" Drive

Copper Beryllium (CuBe) only

6-Point

No.	a inch	s inch	l inch	Wt. lbs.
Ex1740-005UB	3/4	3/4	1-15/16	1.04
Ex1740-010UB	3/4	13/16	1-15/16	1.04
Ex1740-015UB	3/4	7/8	1-15/16	1.04
Ex1740-020UB	3/4	15/16	1-15/16	1.04
Ex1740-030UB	3/4	1-1/16	2	1.06
Ex1740-035UB	3/4	1-1/8	2	1.04
Ex1740-040UB	3/4	1-3/16	2	1.10
Ex1740-045UB	3/4	1-1/4	2-1/8	1.26
Ex1740-047UB	3/4	1-5/16	2-1/8	1.32
Ex1740-050UB	3/4	1-3/8	2-1/8	1.32
Ex1740-055UB	3/4	1-7/16	2-1/4	1.46
Ex1740-070UB	3/4	1-5/8	2-5/16	1.72

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



Impact Wrenches – Pneumatic and Hydraulic
1/2", 3/4", 1" and 1-1/2" Sq. Drive

ATEX Classified for use in Ex Zones

See page 89

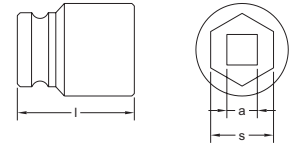
CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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Ex1750 Socket, Impact 1" Drive

Copper Beryllium (CuBe) only

6-Point



No.	a inch	s inch	l inch	Wt. lbs.
Ex1750-005UB	1	7/8	2-3/8	1.76
Ex1750-010UB	1	15/16	2-3/8	1.79
Ex1750-013UB	1	1	2-3/8	1.79
Ex1750-015UB	1	1-1/16	2-3/8	1.79
Ex1750-017UB	1	1-1/8	2-1/2	1.90
Ex1750-020UB	1	1-3/16	2-1/2	1.90
Ex1750-025UB	1	1-1/4	2-1/2	1.90
Ex1750-030UB	1	1-3/8	2-1/2	1.85
Ex1750-035UB	1	1-7/16	2-11/16	2.12
Ex1750-040UB	1	1-1/2	2-11/16	2.23
Ex1750-045UB	1	1-5/8	2-3/4	2.49
Ex1750-050UB	1	1-11/16	2-3/4	2.78
Ex1750-053UB	1	1-3/4	2-3/4	2.78
Ex1750-055UB	1	1-13/16	2-3/4	2.78
Ex1750-058UB	1	1-7/8	2-3/4	3.00
Ex1750-060UB	1	2	2-3/4	3.00
Ex1750-063UB	1	2-1/8	2-15/16	3.48
Ex1750-065UB	1	2-3/16	2-15/16	3.48
Ex1750-067UB	1	2-1/4	2-15/16	3.48
Ex1750-070UB	1	2-3/8	3-1/8	4.01
Ex1750-075UB	1	2-9/16	3-1/8	4.34
Ex1750-080UB	1	2-3/4	3-1/8	4.63

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

Ex1760 Socket, Impact 1-1/2" Drive

Copper Beryllium (CuBe) only

6-Point

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

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

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

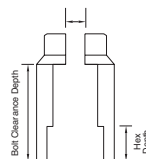
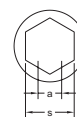
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When ordering, specify:

B = Copper Beryllium

Example: Ex1820-005UB

Socket, Deep Impact 3/8" Drive Ex1820
Socket, Deep Impact 1/2" Drive Ex1830



Ex1820

Socket, Deep Impact 3/8" Drive

Copper Beryllium (CuBe) only

6-Point

No.	a inch	s inch	Bolt Clearance Depth inch	Hex Depth inch
Ex1820-005UB	3/8	1/4	1.85	0.67
Ex1820-010UB	3/8	5/16	1.85	0.67
Ex1820-015UB	3/8	3/8	2.05	0.67
Ex1820-020UB	3/8	7/16	2.05	0.67
Ex1820-025UB	3/8	1/2	2.05	0.67
Ex1820-030UB	3/8	9/16	2.05	0.67
Ex1820-035UB	3/8	5/8	2.25	0.87
Ex1820-040UB	3/8	11/16	2.25	0.87
Ex1820-045UB	3/8	3/4	2.25	0.87

No.	a inch	s mm	Bolt Clearance Depth mm	Hex Depth mm
Ex1820-7B	3/8	7	47	17
Ex1820-8B	3/8	8	47	17
Ex1820-9B	3/8	9	52	17
Ex1820-10B	3/8	10	52	17
Ex1820-11B	3/8	11	52	17
Ex1820-12B	3/8	12	52	17
Ex1820-13B	3/8	13	52	17
Ex1820-14B	3/8	14	52	17
Ex1820-15B	3/8	15	57	22
Ex1820-16B	3/8	16	57	22
Ex1820-17B	3/8	17	57	22
Ex1820-18B	3/8	18	57	22
Ex1820-19B	3/8	19	57	22

Ex1830

Socket, Deep Impact 1/2" Drive

Copper Beryllium (CuBe) only

6-Point

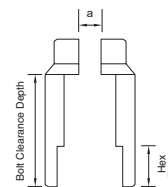
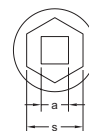
No.	a inch	s inch	Bolt Clearance Depth inch	Hex Depth inch
Ex1830-005UB	1/2	1/4	2.67	0.98
Ex1830-010UB	1/2	5/16	2.67	0.98
Ex1830-015UB	1/2	3/8	2.67	0.98
Ex1830-020UB	1/2	7/16	2.67	0.98
Ex1830-025UB	1/2	1/2	2.67	0.98
Ex1830-030UB	1/2	9/16	2.67	0.98
Ex1830-032UB	1/2	19/32	2.67	0.98
Ex1830-035UB	1/2	5/8	2.67	0.98
Ex1830-040UB	1/2	11/16	2.67	0.98
Ex1830-045UB	1/2	3/4	2.67	0.98
Ex1830-047UB	1/2	25/32	2.67	0.98
Ex1830-050UB	1/2	13/16	2.67	0.98
Ex1830-055UB	1/2	7/8	2.67	0.98
Ex1830-060UB	1/2	15/16	2.67	0.98
Ex1830-065UB	1/2	1	2.67	0.98
Ex1830-070UB	1/2	1-1/16	2.67	0.98
Ex1830-075UB	1/2	1-1/8	2.67	0.98
Ex1830-080UB	1/2	1-3/16	2.67	0.98
Ex1830-085UB	1/2	1-1/4	2.67	0.98
Ex1830-090UB	1/2	1-5/16	2.67	0.98
Ex1830-095UB	1/2	1-3/8	2.67	0.98
Ex1830-100UB	1/2	1-7/16	2.67	0.98
Ex1830-110UB	1/2	1-1/2	2.67	0.98
Ex1830-115UB	1/2	1-9/16	2.67	0.98
Ex1830-120UB	1/2	1-5/8	2.67	0.98

No.	a inch	s mm	Bolt Clearance Depth mm	Hex Depth mm
Ex1830-6B	1/2	6	68	25
Ex1830-7B	1/2	7	68	25
Ex1830-8B	1/2	8	68	25
Ex1830-9B	1/2	9	68	25
Ex1830-10B	1/2	10	68	25
Ex1830-11B	1/2	11	68	25
Ex1830-12B	1/2	12	68	25
Ex1830-13B	1/2	13	68	25
Ex1830-14B	1/2	14	68	25
Ex1830-15B	1/2	15	68	25
Ex1830-16B	1/2	16	68	25
Ex1830-17B	1/2	17	68	25
Ex1830-18B	1/2	18	68	25
Ex1830-19B	1/2	19	68	25
Ex1830-20B	1/2	20	68	28
Ex1830-21B	1/2	21	68	28
Ex1830-22B	1/2	22	68	28
Ex1830-23B	1/2	23	68	28
Ex1830-24B	1/2	24	68	28
Ex1830-25B	1/2	25	68	28
Ex1830-26B	1/2	26	68	28
Ex1830-27B	1/2	27	68	28
Ex1830-28B	1/2	28	68	28
Ex1830-29B	1/2	29	68	28
Ex1830-30B	1/2	30	68	28
Ex1830-32B	1/2	32	68	28

**Extended Depth 4-Point and 6-Point Impact Sockets
with 1/2", 3/4" and 1" Drives – available upon request.**

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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Ex1840

Socket, Deep Impact 3/4" Drive *Copper Beryllium (CuBe) only*

6-Point

No.	a inch	s inch	Bolt Clearance Depth inch	Hex Depth inch
Ex1840-005UB	3/4	3/4	2.67	1.02
Ex1840-010UB	3/4	13/16	2.67	1.02
Ex1840-015UB	3/4	7/8	2.67	1.02
Ex1840-020UB	3/4	15/16	2.67	1.02
Ex1840-025UB	3/4	1	2.56	1.10
Ex1840-030UB	3/4	1-1/16	2.56	1.10
Ex1840-035UB	3/4	1-1/8	2.56	1.10
Ex1840-040UB	3/4	1-3/16	2.56	1.10
Ex1840-045UB	3/4	1-1/4	2.56	1.10
Ex1840-047UB	3/4	1-5/16	2.56	1.10
Ex1840-050UB	3/4	1-3/8	2.56	1.10
Ex1840-055UB	3/4	1-7/16	2.95	1.26
Ex1840-060UB	3/4	1-1/2	2.87	1.26
Ex1840-065UB	3/4	1-9/16	2.87	1.26
Ex1840-070UB	3/4	1-5/8	2.87	1.26
Ex1840-075UB	3/4	1-11/16	2.87	1.26
Ex1840-080UB	3/4	1-3/4	2.87	1.26
Ex1840-085UB	3/4	1-13/16	2.87	1.26
Ex1840-090UB	3/4	1-7/8	2.87	1.26
Ex1840-095UB	3/4	1-15/16	2.87	1.26
Ex1840-100UB	3/4	2	2.87	1.26

No.	a inch	s mm	Bolt Clearance Depth mm	Hex Depth mm
Ex1840-19B	3/4	19	68	26
Ex1840-21B	3/4	21	68	26
Ex1840-22B	3/4	22	68	26
Ex1840-23B	3/4	23	68	26
Ex1840-24B	3/4	24	65	28
Ex1840-27B	3/4	27	65	32
Ex1840-29B	3/4	29	65	32
Ex1840-30B	3/4	30	65	32
Ex1840-32B	3/4	32	65	32
Ex1840-34B	3/4	34	65	32
Ex1840-36B	3/4	36	65	32
Ex1840-41B	3/4	41	75	32
Ex1840-46B	3/4	46	75	32

Extended Depth 4-Point and 6-Point Impact Sockets with 1/2", 3/4" and 1" Drives – available upon request.

Ex1850

Socket, Deep Impact 1" Drive

Copper Beryllium (CuBe) only

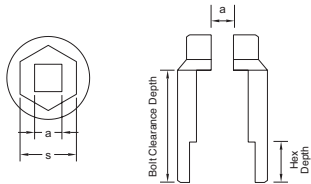
6-Point

No.	a inch	s inch	Bolt Clearance Depth inch	Hex Depth inch
Ex1850-005UB	1	7/8	2.56	1.26
Ex1850-010UB	1	15/16	2.56	1.26
Ex1850-013UB	1	1	2.56	1.26
Ex1850-015UB	1	1-1/16	2.76	1.26
Ex1850-020UB	1	1-3/16	2.76	1.26
Ex1850-025UB	1	1-1/4	2.76	1.26
Ex1850-030UB	1	1-3/8	2.76	1.26
Ex1850-035UB	1	1-7/16	2.76	1.26
Ex1850-040UB	1	1-1/2	2.76	1.26
Ex1850-045UB	1	1-5/8	2.76	1.26
Ex1850-050UB	1	1-11/16	2.76	1.26
Ex1850-053UB	1	1-3/4	2.76	1.26
Ex1850-055UB	1	1-13/16	2.76	1.26
Ex1850-057UB	1	1-7/8	2.76	1.26
Ex1850-060UB	1	2	2.76	1.26
Ex1850-065UB	1	2-3/16	2.76	1.26
Ex1850-070UB	1	2-3/8	2.76	1.26
Ex1850-075UB	1	2-9/16	2.76	1.26
Ex1850-080UB	1	2-3/4	2.76	1.26

No.	a inch	s mm	Bolt Clearance Depth mm	Hex Depth mm
Ex1850-30B	1	30	70	32
Ex1850-32B	1	32	70	32
Ex1850-34B	1	34	70	32
Ex1850-36B	1	36	70	32
Ex1850-38B	1	38	70	32
Ex1850-41B	1	41	70	32
Ex1850-42B	1	42	70	32
Ex1850-43B	1	43	70	32
Ex1850-46B	1	46	70	32
Ex1850-50B	1	50	70	32
Ex1850-55B	1	55	70	32
Ex1850-60B	1	60	70	32
Ex1850-65B	1	65	70	32
Ex1850-70B	1	70	70	32

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

When ordering, specify:
B = Copper Beryllium
Example: Ex1860-005UB



Ex1860
Socket, Deep Impact 1-1/2" Drive
Copper Beryllium (CuBe) only
6-Point

No.	a inch	s inch
Ex1860-005UB	1-1/2	1-7/16
Ex1860-010UB	1-1/2	1-5/8
Ex1860-015UB	1-1/2	1-13/16
Ex1860-017UB	1-1/2	1-7/8
Ex1860-020UB	1-1/2	2
Ex1860-023UB	1-1/2	2-1/4
Ex1860-025UB	1-1/2	2-3/16
Ex1860-030UB	1-1/2	2-3/8
Ex1860-035UB	1-1/2	2-9/16
Ex1860-040UB	1-1/2	2-3/4

No.	a inch	s mm
Ex1860-36B	1-1/2	36
Ex1860-41B	1-1/2	41
Ex1860-46B	1-1/2	46
Ex1860-50B	1-1/2	50
Ex1860-55B	1-1/2	55
Ex1860-60B	1-1/2	60
Ex1860-65B	1-1/2	65
Ex1860-70B	1-1/2	70

TIGHTENING

***CS Unitec offers special extended depth 4-Point and 6-Point
Impact Sockets with 1/2", 3/4" and 1" Drives.
Call 1-800-700-5919 for more information.***



Impact Wrenches – Pneumatic and Hydraulic
1/2", 3/4", 1" and 1-1/2" Sq. Drive
ATEX Classified for use in Ex Zones
See page 89



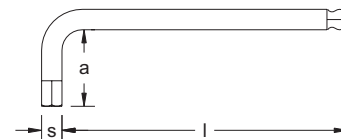
ALLEN KEYS

Ex209

Wrench, Allen / Hex Key

(DIN 911)

Copper Beryllium (CuBe) only



No.	s inch	a inch	l inch	Wt. lbs.
Ex209-005UB	1/16	9/16	1-3/4	0.0035
Ex209-010UB	5/64	5/8	2	0.0084
Ex209-015UB	3/32	11/16	2-1/4	0.0097
Ex209-020UB	1/8	3/4	2-1/2	0.0180
Ex209-025UB	9/64	1	2-3/4	0.0400
Ex209-030UB	5/32	1	2-3/4	0.0310
Ex209-035UB	3/16	1-1/8	3-3/16	0.0530
Ex209-040UB	7/32	1-1/4	3-9/16	0.0840
Ex209-045UB	1/4	1-3/8	3-3/4	0.1100
Ex209-050UB	5/16	1-7/16	4	0.1900
Ex209-055UB	3/8	1-3/4	5	0.4700
Ex209-060UB	7/16	1-3/4	5	0.4700
Ex209-065UB	1/2	2-1/4	5-9/16	0.7700
Ex209-070UB	9/16	2-1/4	5-9/16	0.7700
Ex209-075UB	5/8	2-3/4	7-3/16	1.6800
Ex209-080UB	11/16	2-3/4	7-3/16	1.6800
Ex209-085UB	3/4	2-3/4	7-3/16	1.6800
Ex209-087UB	13/16	3-3/16	8	2.7600
Ex209-090UB	7/8	3-3/16	8	2.7600
Ex209-095UB	1	4	10	5.2200
Ex209-100UB	1-1/16	4	10	9.3000
Ex209-105UB	1-1/8	5	12-9/16	9.3000
Ex209-110UB	1-1/4	5	12-9/16	9.3000

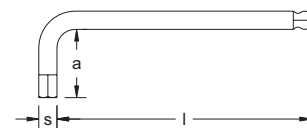
No.	s mm	a mm	l mm	Wt. kg
Ex209-1.5B	1.5	14	45	0.0016
Ex209-2B	2	16	50	0.0038
Ex209-2.5B	2.5	18	56	0.0044
Ex209-3B	3	20	63	0.0080
Ex209-4B	4	25	70	0.0140
Ex209-5B	5	28	80	0.0240
Ex209-6B	6	32	90	0.0380
Ex209-7B	7	34	95	0.0520
Ex209-8B	8	36	100	0.0840
Ex209-9B	9	38	105	0.1090
Ex209-10B	10	40	112	0.1340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

Ex209L

Wrench, Allen / Hex Key

Ball Point, Long Type

Copper Beryllium (CuBe) only



No.	s inch	a inch	l inch	Wt. lbs.
Ex209L-005UB	1/16	9/16	3-1/2	0.006
Ex209L-010UB	5/64	5/8	3-15/16	0.014
Ex209L-015UB	3/32	11/16	4-3/8	0.016
Ex209L-020UB	1/8	3/4	5	0.031
Ex209L-025UB	5/32	1	5-9/16	0.057
Ex209L-030UB	3/16	1-1/8	6-3/16	0.093
Ex209L-035UB	7/32	1-1/4	7	0.15
Ex209L-040UB	1/4	1-3/8	7-1/2	0.20
Ex209L-045UB	5/16	1-7/16	8	0.32
Ex209L-047UB	3/8	1-3/4	10-5/16	0.82
Ex209L-050UB	7/16	1-3/4	10-5/16	0.82
Ex209L-055UB	1/2	2-1/4	11	1.39

No.	s mm	a mm	l mm	Wt. kg
Ex209L-1.5B	1.5	14	88	0.0027
Ex209L-2B	2	16	99	0.0064
Ex209L-2.5B	2.5	18	109	0.0072
Ex209L-3B	3	20	125	0.014
Ex209L-4B	4	25	139	0.026
Ex209L-5B	5	28	155	0.042
Ex209L-6B	6	32	176	0.066
Ex209L-7B	7	34	188	0.09
Ex209L-8B	8	36	201	0.14
Ex209L-10B	10	40	228	0.25
Ex209L-12B	12	45	258	0.37
Ex209L-14B	14	56	276	0.63
Ex209L-17B	17	63	299	0.92

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

When ordering, specify:

A = Aluminum Bronze

B = Copper Beryllium

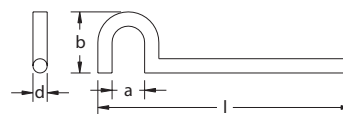
Example: Ex207-30A

or

Ex207-30B

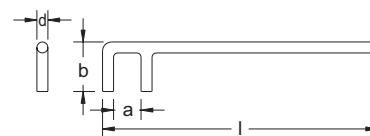
WHEEL WRENCHES

Ex207 Wrench, Valve



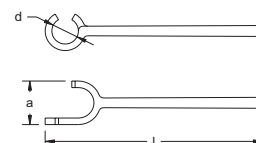
No.	a inch	b inch	d inch	l inch	Wt. lbs.	a mm	b mm	d mm	l mm	kg
Ex207-30	1-3/16	2-1/4	1/2	8	0.66	30	56	13	200	0.30
Ex207-32	1-1/4	2-3/8	9/16	10	0.93	32	60	14	250	0.42
Ex207-36	1-7/16	2-5/8	9/16	10-3/4	1.15	36	66	15	270	0.52
Ex207-41	1-5/8	2-7/8	5/8	12	1.46	41	73	16	300	0.66
Ex207-50	2	3-7/16	11/16	12-3/4	2.02	50	86	18	320	0.92

Ex207F Valve Wheel Hook



No.	a inch	b inch	d inch	l inch	Wt. lbs.	a mm	b mm	d mm	l mm	kg
Ex207F-30	1-3/16	2-1/4	1/2	12	0.96	30	56	13	300	0.44
Ex207F-35	1-3/8	2-7/16	1/2	14	1.11	35	61	13	350	0.50
Ex207F-40	1-9/16	2-7/8	5/8	16	1.93	40	72	16	400	0.87
Ex207F-45	1-3/4	3-1/16	5/8	18	2.15	45	77	16	450	0.98
Ex207F-50	2	3-1/2	3/4	20	3.39	50	88	19	500	1.54
Ex207F-60	2-3/8	4-1/8	7/8	24	5.44	60	104	22	600	2.47
Ex207F-70	2-3/4	4-3/4	1	28	8.18	70	120	25	700	3.71
Ex207F-80	3-3/16	5-7/16	1-1/8	32	11.72	80	136	28	800	5.31

Ex207S Wrench, Valve Wheel (DIN 87311)



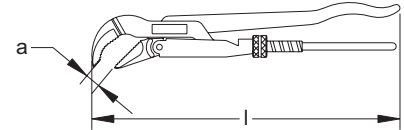
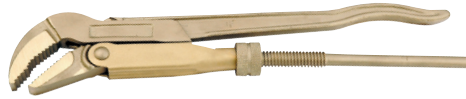
No.	d inch	a inch	l inch	Wt. lbs.	d mm	a mm	l mm	kg
Ex207S-215	1-1/4	2-1/4	8-9/16	0.86	32	56	215	0.39
Ex207S-290	1-7/16	2-1/4	11-9/16	2.27	36	56	290	1.03
Ex207S-400	1-7/8	3-3/16	16	1.90	48	80	400	0.86
Ex207S-490	2-3/8	4	19-9/16	4.30	60	100	490	1.95
Ex207S-800	2-3/8	4-3/8	32	12.57	60	110	800	5.70

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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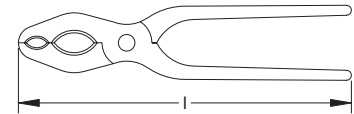
PLIERS

Ex505 Pliers, Swedish (DIN ISO 5234)



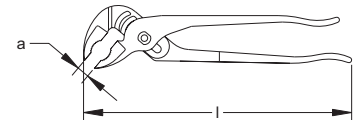
No.	a max inch	l inch	Wt. lbs.	a max mm	l mm	kg
Ex505-005U	1-9/16	12	1.52	40	300	0.69
Ex505-010U	2-3/16	16-3/4	3.28	55	420	1.49
Ex505-015U	2-11/16	20-13/16	7.14	67	530	3.24

Ex602 Pliers, Pipe



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

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

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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When ordering, specify:

A = Aluminum Bronze

B = Copper Beryllium

Example: Ex606-6A

or

Ex606-6B

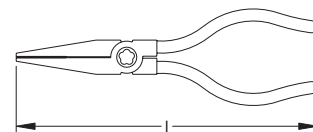
Pliers, Flat Nose (DIN ISO 5745) Ex606

Pliers, Round Nose (DIN ISO 5745) Ex607

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

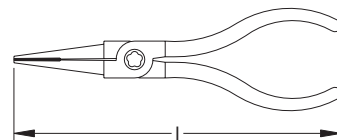
Pliers, Lineman's, Side Cutting Ex612

Ex606 Pliers, Flat Nose (DIN ISO 5745)



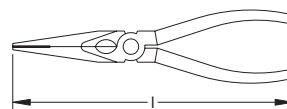
No.	l inch	Wt. lbs.	l mm	kg
Ex606-6	6	0.37	150	0.17

Ex607 Pliers, Round Nose (DIN ISO 5745)



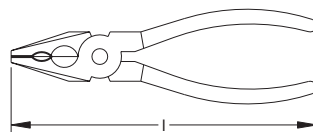
No.	l inch	Wt. lbs.	l mm	kg
Ex607-6	6	0.31	150	0.14

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

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

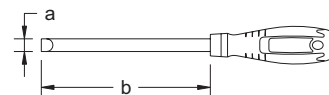
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SCREWDRIVERS

Ex801 Screwdriver, Standard *Copper Beryllium (CuBe) only*



Cushion grip handle, 0.194" lanyard hole

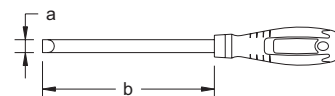


No.	a inch Flathead	b inch	Wt. lbs.	a mm	b mm	kg
Ex801-3B	1/8	3	0.02	3	75	0.0075
Ex801-4B	3/16	4	0.04	4	100	0.016
Ex801-6SB	1/4	4	0.08	6	100	0.038
Ex801-6B	1/4	6	0.11	6	150	0.048
Ex801-8B	5/16	6	0.21	8	150	0.092
Ex801-10SB	3/8	8	0.38	10	200	0.17
Ex801-10B	3/8	12	0.55	10	300	0.25

Ex801S Screwdriver, Striking *Copper Beryllium (CuBe) only*



Cushion grip handle, 0.194" lanyard hole



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

When ordering, specify:

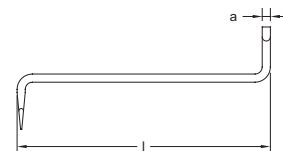
B = Copper Beryllium

Example: Ex802-010UB

Ex802

Screwdriver, Offset

Copper Beryllium (CuBe) only



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

No.	a mm	b mm	Wt. 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

TIGHTENING

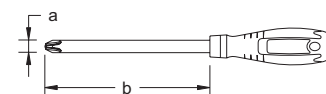
Ex803

Screwdriver, Phillips

Copper Beryllium (CuBe) only



Cushion grip handle, 0.194" lanyard hole



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

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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CUTTING TOOLS

Knives / Cutting Tools – pages 57-59

Scrapers – pages 60-61

Saws – page 62

Files– page 63



When ordering, specify:

A = Aluminum Bronze

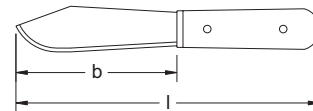
B = Copper Beryllium

Example: Ex409-200A

or

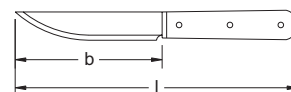
Ex409-200B

Ex409 Knife, Common



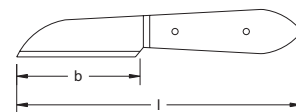
No.	b inch	l inch	Wt. lbs.	b mm	l mm	kg
Ex409-200	4-1/4	8	0.15	106	200	0.067

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

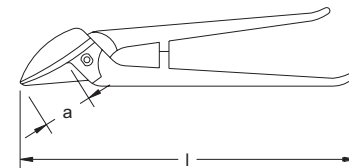


No.	b inch	l inch	Wt. lbs.	b mm	l mm	kg
Ex410S-180	3-3/16	7-9/16	0.13	80	180	0.059

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

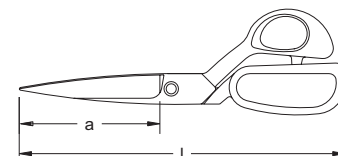
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Ex608 Shears, Cutting



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

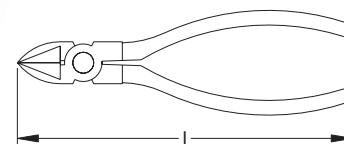
Ex609 Scissors



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

Ex601 Pliers, Diagonal Cutting

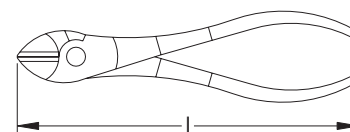
Copper Beryllium (CuBe) only



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

Ex601HD Pliers, Diagonal Cutting, Heavy Duty

Copper Beryllium (CuBe) only



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

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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When ordering, specify:

A = Aluminum Bronze

B = Copper Beryllium

Example: Ex603-7A

or

Ex603-7B

Pliers, Cutting Ex603

Pipe Cutter Ex1512

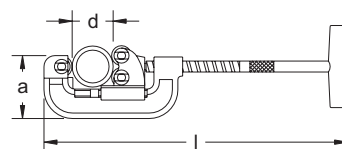
Non-Sparking Needle for Air Needle Scalers Ex308

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

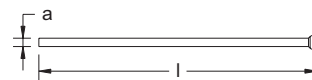
Ex1512 Pipe Cutter



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

Ex308 Non-Sparking Needle For Air Needle Scalers

Copper Beryllium (CuBe) only



No.	Qty.	a inch	l inch	Wt. lbs.	a mm	l mm	kg
Ex308-3B	1	1/8	7	0.02	3	175	0.01
Ex308-319B	19	1/8	7	0.02	3	175	0.01
Ex308-3100B	100	1/8	7	0.02	3	175	0.01



Pneumatic Needle Scalers ATEX Classified for use in Ex Zones

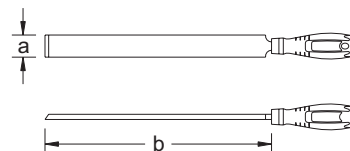
See page 88

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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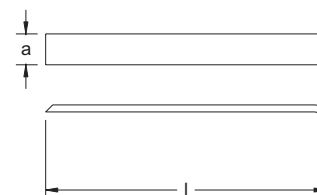
SCRAPERS

Ex401 Scraper, Flat



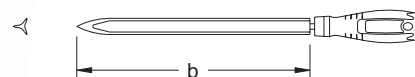
No.	a inch	b inch	Wt. lbs.	a mm	b mm	kg
Ex401-18	11/16	12	0.73	18	300	0.33
Ex401-30	1-3/16	12	1.17	30	300	0.53

Ex402 Scraper, Angle



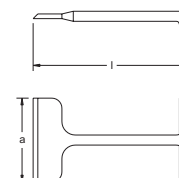
No.	a inch	l inch	Wt. lbs.	a mm	l mm	kg
Ex402-22	7/8	8	0.48	22	200	0.22
Ex402-25	1	12	0.78	25	300	0.36
Ex402-45	1-3/4	9	1.10	45	225	0.50
Ex402-50	2	12	1.57	50	300	0.71

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

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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When ordering, specify:

A = Aluminum Bronze

B = Copper Beryllium

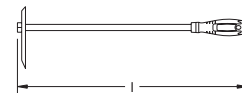
Example: Ex406-150A

or

Ex406-150B

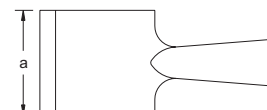
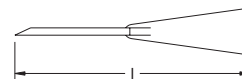
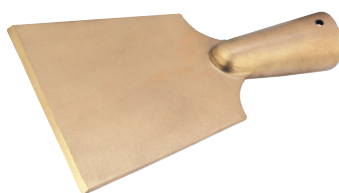
Scraper, Plate Ex406
Scraper, Long Blade, Handle Not Included Ex407
Knife, Putty/Hand Scraper Ex408
Spatula Ex408S

Ex406 Scraper, Plate



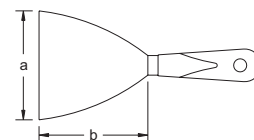
No.	a inch	l inch	Wt. lbs.	a mm	l mm	kg
Ex406-150	6	19-3/8	2.01	150	485	0.91

Ex407 Scraper, Long Blade (Handle Not Included)



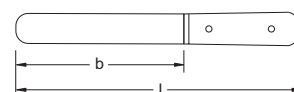
No.	a inch	l inch	Wt. lbs.	a mm	l mm	kg
Ex407-60	2-3/8	7-3/8	1.10	60	185	0.50
Ex407-100	4	9	2.82	100	225	1.28
Ex407-125	5	9	3.24	125	225	1.47
Ex407-150	6	7-3/16	2.45	150	180	1.11

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

Ex408S Spatula



No.	b inch	l inch	Wt. lbs.	b mm	l mm	kg
Ex408S-6	5-3/4	9-3/4	0.25	146	248	0.11

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

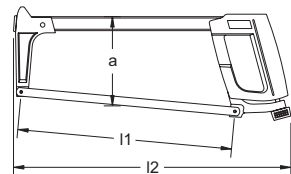
Toll-Free in U.S. 1-800-700-5919 • +1-203-853-9522 • Fax: +1-203-853-9921 • CSunitec.com

Hacksaw Frame Ex118A
Hacksaw Blade Ex118B
Saw, Hand (8 teeth/inch) Ex119

62

SAWS

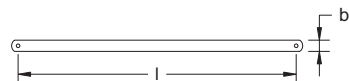
Ex118A
Hacksaw Frame
*Aluminum Bronze (AlBr) only**



No.	a inch	l1 inch	l2 inch	Wt. lbs.	a mm	l1 mm	l2 mm	kg
Ex118A-395A	5-1/8	12	15-3/4	1.19	128	300	395	0.54

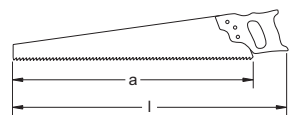
* Frame only

Ex118B
Hacksaw Blade
Copper Beryllium (CuBe) only



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

Ex119
Saw, Hand (8 teeth/inch)
Copper Beryllium (CuBe) only



No.	a inch	l inch	Wt. lbs.	a mm	l mm	kg
Ex119-600B	24	27-3/16	1.12	600	680	0.51

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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When ordering, specify:

B = Copper Beryllium

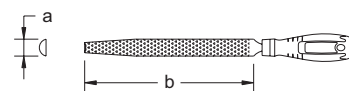
Example: Ex411-200B

FILES

Ex411

File, Half Round, Bastard

Copper Beryllium (CuBe) only

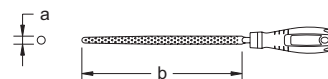


No.	a inch	b inch	Wt. lbs.	a mm	b mm	kg
Ex411-200B	3/4	8	0.41	20	200	0.19
Ex411-250B	15/16	10	0.73	24	250	0.33

Ex411R

File, Round

Copper Beryllium (CuBe) only

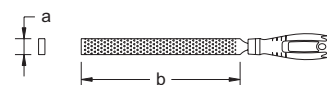


No.	a inch	b inch	Wt. lbs.	a mm	b mm	kg
Ex411R-100B	9/64	4	0.02	3.5	100	0.01
Ex411R-200B	9/32	8	0.15	7	200	0.07

Ex411F

File, Flat, Bastard

Copper Beryllium (CuBe) only



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

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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UTILITY TOOLS

Shovels – page 65

Hatchets / Axes – page 66

Bars – pages 66-67

Picks/Forks – pages 68-69

When ordering, specify:

A = Aluminum Bronze

B = Copper Beryllium

Example: Ex1005-250A

or

Ex1005-250B

Dust Pan Ex1004

Shovel, Square Point with Long Handle Ex1005

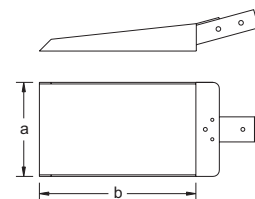
Shovel, Round Point with Long Handle Ex1006

Spade, Edging with D-Grip Ex1007

Ex1004

Dust Pan

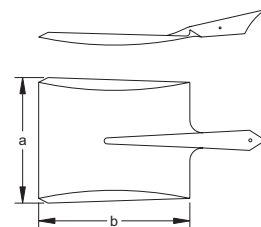
Copper Beryllium (CuBe) only



No.	a inch	b inch	Wt. lbs.	a mm	b mm	kg	Handle Length
Ex1004-120B	4-3/4	8	0.79	120	200	0.36	12.5"/320mm

Ex1005 / Ex1005D

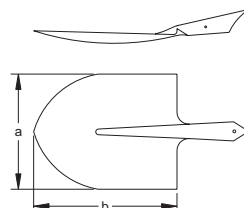
Shovel, Square Point



No.	Handle Type	a inch	b inch	Wt. lbs.	a mm	b mm	kg	Handle Length
Ex1005-270	Straight	9.1	10.6	5.16	230	270	2.34	45"/1143mm
Ex1005D-270	D	9.1	10.6	6.26	230	270	2.84	29.5"/750mm

Ex1006 / Ex1006D

Shovel, Round Point



No.	Handle Type	a inch	b inch	Wt. lbs.	a mm	b mm	kg	Handle Length
Ex1006-280	Straight	9.45	11	5.93	240	280	2.69	45"/1143mm
Ex1006D-280	D	9.45	11	4.83	240	280	2.19	29.5"/750mm

**Shovel
Aluminum-
Bronze
(AlBr) Alloy**

Zone Compatibility Fulfill demand in ATEX Directive 94/9/EC for work in Zones 1, 2, 21 and 22

Hardness 27 HRC

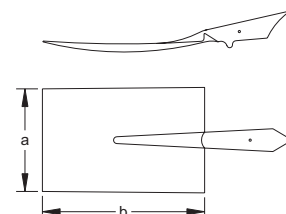
Magnetic Properties Low magnetism due to minimal ferrous components. Appropriate for non-critical non-magnetic applications.

Composition Al: 8-10% Ni: 0.5% max. Sn: 0.1% max. Mn: 0.1% max. Fe: 2-4% Cu: Balance

Caution: User must follow all appropriate safety regulations when choosing a tool for their particular working environment.

Ex1007

Spade, Edging with D-Grip

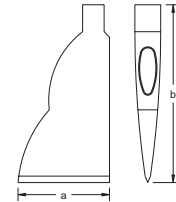


No.	a inch	b inch	Wt. lbs.	a mm	b mm	kg	Handle Length
Ex1007-180	7-3/16	11-3/8	2.62	180	285	1.19	31.5"/800mm

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

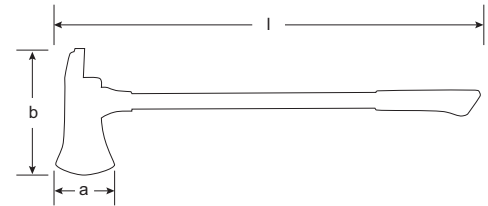
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HATCHETS / AXES



Ex1202
Hatchet

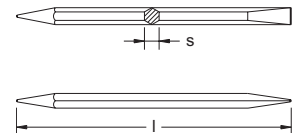
No.	a inch	b inch	Wt. lbs.	a mm	b mm	kg	Handle Length
Ex1202-85	3-13/32	6-19/32	2.71	85	165	1.23	14"/360mm



Ex1203
Axe, Pick Head

No.	a inch	b inch	l inch	Wt. lbs.	a mm	b mm	l mm	kg
Ex1203-1850	5	12	36-7/23	4.00	125	300	920	1.85
Ex1203-2950	5	12	36-7/23	6.50	125	300	920	2.95

BARS



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

When ordering, specify:

A = Aluminum Bronze

B = Copper Beryllium

Example: Ex1013-310A

or

Ex1013-310B

Drum Opener, Carbide Ex1013

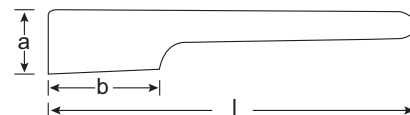
Bar, Pinch Ex1301

Angle Tracing Point Ex1302

Bar, Crow Ex1303

Ex1013

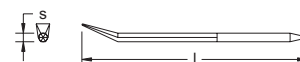
Drum Opener, Carbide



No.	a inch	b inch	l inch	Wt. lbs.	a mm	b mm	l mm	kg
Ex1013-310	1-3/4	3	12-3/8	1.58	45	75	310	0.71

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

Ex1302

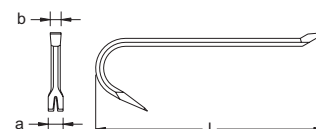
Angle Tracing Point



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



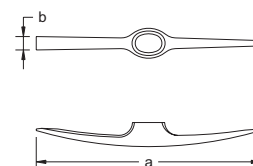
No.	a inch	b inch	l inch	Wt. lbs.	a mm	b mm	l mm	kg
Ex1303-460	1-3/16	7/8	18-3/8	3.06	30	22	460	1.39
Ex1303-600	1-3/8	1-1/8	24	5.07	35	28	600	2.30
Ex1303-760	1-3/8	1-1/8	30-3/8	7.09	35	28	760	3.22
Ex1303-900	1-3/8	1-1/8	36	7.76	35	28	900	3.52

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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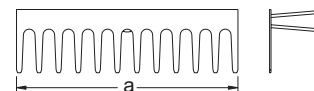
PICKS / FORKS

Ex1008 Pick, Railroad or Clay (Handle Included)



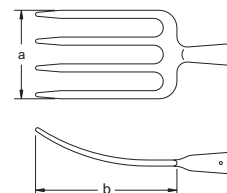
No.	a inch	b inch	Wt. lbs.	a mm	b mm	kg	Handle Length
Ex1008-420	16-3/4	1	2.65	420	25	1.20	36"/920mm
Ex1008-560	22-3/8	1-3/16	4.54	560	30	2.06	36"/920mm
Ex1008-640	25-9/16	1-3/8	9.85	640	35	4.47	36"/920mm

Ex1009 Rake (Handle Included)



No.	a inch	Wt. lbs.	a mm	kg	Handle Length
Ex1009-300	12	0.73	300	0.33	53"/1350mm

Ex1010 Fork, Garden (Single Cast, Handle Included)



No.	a inch	b inch	Wt. lbs.	a mm	b mm	kg	Handle Length
Ex1010-175	7	11-3/16	4.10	175	280	1.86	47"/1200mm

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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When ordering, specify:

A = Aluminum Bronze

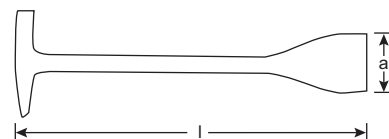
B = Copper Beryllium

Example: Ex1014-400A

or

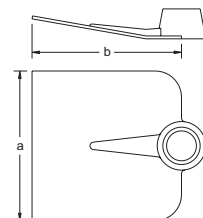
Ex1014-400B

Ex1014 Scraper, Pick and Scaler



No.	a inch	l inch	Wt. lbs.	a mm	l mm	kg
Ex1014-400	3	16	3.44	75	400	1.56
Ex1014-450	3	17-23/32	2.43	75	450	1.10

Ex1015 Hoe, Planters' / Mixing Angled Blade (Handle Included)



No.	a inch	b inch	Wt. lbs.	a mm	b mm	kg	Handle Length
Ex1015-200	4	4	4.14	200	200	1.88	36"/920mm

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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MISCELLANEOUS TOOLS

Brushes – pages 70

Bung Wrenches – page 71

Clamps – page 72

Special Tools – pages 73-75

Ex996

Brush, Spark Plug Cleaning

Phosphorous Copper only



No.	Description	a inch	l inch
Ex996-3PC	3 rows of bristles	1/2	7

Ex1001

Brush, Straight Handle, Scratch

Aluminum Bronze (AlBr) only



No.	Rows	b inch	Wt. lbs.	b mm	kg
Ex1001-3A	3	11-3/16	0.33	280	0.15
Ex1001-4A	4	11-3/16	0.44	280	0.20

Ex1002

Brush, Flat Back, Scratch

Aluminum Bronze (AlBr) only



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

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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When ordering, specify:

A = Aluminum Bronze

B = Copper Beryllium

Example: Ex110-400A

or

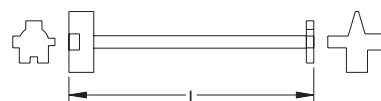
Ex110-400B

Wrench, Bung
Wrench, Bung (Fits 3/4" & 2" Bungs)
Wrench, Bung (For 22 Different Bungs)
Wrench, Bung

Ex110
Ex110ES
Ex110S
Ex213

BUNG WRENCHES

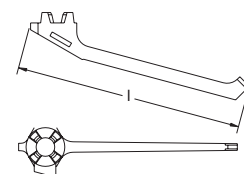
Ex110 Wrench, Bung



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

Ex110ES Wrench, Bung

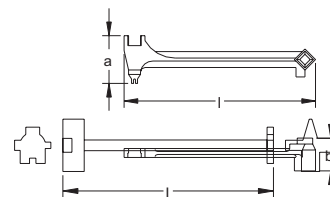
Fits 3/4" & 2" Bungs



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

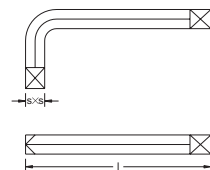
Ex110S Wrench, Bung

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

Ex213 Wrench, Bung



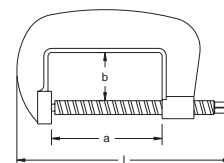
No.	s inch	l inch	Wt. lbs.	s mm	l mm	kg
Ex213-22	7/8	10-3/16	1.41	22	255	0.64
Ex213-24	15/16	10-3/16	1.75	24	255	0.78
Ex213-27	1-1/16	12-3/8	2.65	27	310	1.20
Ex213-32	1-1/4	12-3/8	3.78	32	310	1.71

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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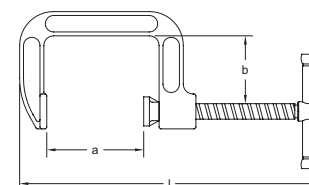
CLAMPS

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

Ex901 Clamp, C-Type



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

When ordering, specify:

A = Aluminum Bronze

B = Copper Beryllium

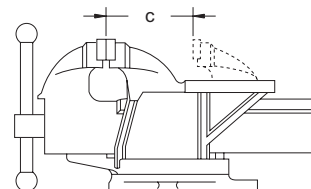
Example: Ex902-100A

or

Ex902-100B

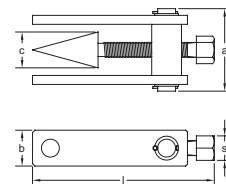
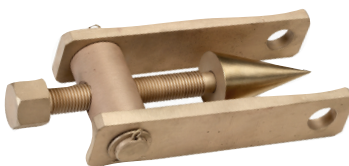
SPECIAL TOOLS

Ex902 Parallel Vise



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

Ex1102 Flange Spreader

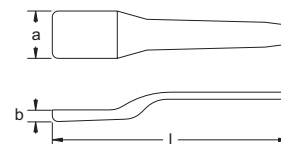


No.	a inch	b inch	c inch	s inch	l inch	Wt. lbs.	a mm	b mm	c mm	s mm	l mm	kg
Ex1102-60	5-9/16	2-3/8	2-3/8	1-13/16	12-3/16	14.53	140	60	60	46	305	6.59

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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Ex308A Caulking Tool



No.	a inch	b inch	l inch	Wt. lbs.	a mm	b mm	l mm	kg
Ex308A-200	1-9/16	3/8	8	0.87	40	10	200	0.40

Ex1017 Bucket

Aluminum Bucket with Brass Handle



No.	volume gallon	dia. x ht. inch	Wt. lbs.	volume l	dia. x ht. mm	kg
Ex1017-300	2.6	10-5/8 x 11	6.61	10	270 x 280	3.0

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

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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When ordering, specify:

A = Aluminum Bronze

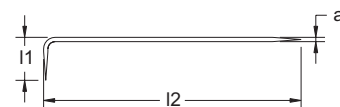
B = Copper Beryllium

Example: Ex302-3A

or

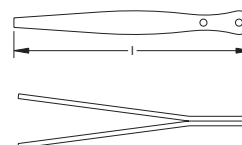
Ex302-3B

Ex302 Scriber / Marking Tool



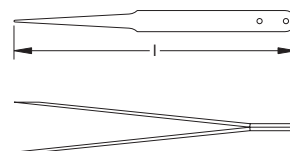
No.	a inch	l ₁ inch	l ₂ inch	Wt. lbs.	a mm	l ₁ mm	l ₂ mm	kg
Ex302-3	1/8	1-3/6	7-3/16	0.02	3	30	180	0.011
Ex302-4	5/32	1-3/8	7-3/4	0.04	4	35	195	0.02
Ex302-5	3/16	1-9/16	8-3/8	0.09	5	40	210	0.04
Ex302-6	1/4	1-3/4	9	0.13	6	45	225	0.06

Ex610 Tweezer *Copper Beryllium (CuBe) only*



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

Ex610S Tweezer *Copper Beryllium (CuBe) only*



No.	l inch	Wt. lbs.	l mm	kg
Ex610S-155B	6-3/16	0.10	155	0.046

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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CS Unitec Tool Kits

- Screwdriver Kit
- Combination Wrench Kit
- Allen Wrench Kit
- Socket Sets
- Custom-Designed Kits



When ordering, specify:

A = Aluminum Bronze

B = Copper Beryllium

Example: Ex206-KitA

or

Ex206-KitB

Ex801-KitB

Screwdriver Kit *Copper Beryllium (CuBe) only*

(Pouch Included)

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



Ex206-Kit

Combination Wrench Kit

(Pouch Included)

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-KitB

Allen Wrench Kit *Copper Beryllium (CuBe) only*

(Pouch Included)

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



Sockets 1/4" Drive (Case Included)

Ex1520-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
Ex1506AA	1/4" drive	1	Hinged Handle

Ex1520-Met Kit

No.	Dimensions	Quantity	Description
Ex1503AA-4	4mm	1	Socket, 1/4" drive
Ex1503AA-5	5mm	1	Socket, 1/4" drive
Ex1503AA-6	6mm	1	Socket, 1/4" drive
Ex1503AA-7	7mm	1	Socket, 1/4" drive
Ex1503AA-8	8mm	1	Socket, 1/4" drive
Ex1503AA-9	9mm	1	Socket, 1/4" drive
Ex1503AA-10	10mm	1	Socket, 1/4" drive
Ex1503AA-11	11mm	1	Socket, 1/4" drive
Ex1503AA-12	12mm	1	Socket, 1/4" drive
Ex1503AA-13	13mm	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
Ex1506AA	1/4" drive	1	Hinged Handle

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Sockets Kits – 1/2" Drive

Ex1500-Kit 28-Piece Kit (Case Included)

No.	Dimensions	Quantity	Description
Ex1503B-005U	1/4"	1	Socket, 1/2" drive
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-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-080U	1-3/16"	1	Socket, 1/2" drive
Ex1503B-085U	1-1/4"	1	Socket, 1/2" drive
Ex1503B-090U	1-5/16"	1	Socket, 1/2" drive
Ex1503B-095U	1-3/8"	1	Socket, 1/2" drive
Ex1503B-100U	1-7/16"	1	Socket, 1/2" drive
Ex1503B-110U	1-1/2"	1	Socket, 1/2" drive
Ex1501S-B	1/2" drive	1	Ratchet
Ex1502-B	1/2" drive	1	Sliding Bar
Ex1504B-100	1/2" drive	1	Extension Bar
Ex1504B-250	1/2" drive	1	Extension Bar
Ex1506B	1/2" drive	1	Hinged Handle
Ex1507B	1/2" drive	1	Universal Joint

Ex1535-Kit 10-Piece Kit (Case Included)

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
Ex1506B	1/2" drive	1	Hinged Handle

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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When ordering, specify:

A = Aluminum Bronze

B = Copper Beryllium

Example: Ex1530-KitA

or

Ex1530-KitB

Ex1530-Kit

20-Piece Kit (Case Included)

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-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
Ex1506B	1/2" drive	1	Hinged Handle

Ex1530-Met Kit

28-Piece Kit (Case Included)

No.	Dimensions	Quantity	Description
Ex1503B-8	8mm	1	Socket, 1/2" drive
Ex1503B-10	10mm	1	Socket, 1/2" drive
Ex1503B-11	11mm	1	Socket, 1/2" drive
Ex1503B-12	12mm	1	Socket, 1/2" drive
Ex1503B-13	13mm	1	Socket, 1/2" drive
Ex1503B-14	14mm	1	Socket, 1/2" drive
Ex1503B-15	15mm	1	Socket, 1/2" drive
Ex1503B-16	16mm	1	Socket, 1/2" drive
Ex1503B-17	17mm	1	Socket, 1/2" drive
Ex1503B-18	18mm	1	Socket, 1/2" drive
Ex1503B-19	19mm	1	Socket, 1/2" drive
Ex1503B-20	20mm	1	Socket, 1/2" drive
Ex1503B-21	21mm	1	Socket, 1/2" drive
Ex1503B-22	22mm	1	Socket, 1/2" drive
Ex1503B-23	23mm	1	Socket, 1/2" drive
Ex1503B-24	24mm	1	Socket, 1/2" drive
Ex1503B-26	26mm	1	Socket, 1/2" drive
Ex1503B-27	27mm	1	Socket, 1/2" drive
Ex1503B-28	28mm	1	Socket, 1/2" drive
Ex1503B-30	30mm	1	Socket, 1/2" drive
Ex1503B-32	32mm	1	Socket, 1/2" drive
Ex1501S-B	1/2" drive	1	Ratchet
Ex1502-B	1/2" drive	1	Sliding Bar
Ex1504B-100	1/2" drive	1	Extension Bar
Ex1504B-250	1/2" drive	1	Extension Bar
Ex1506B	1/2" drive	1	Hinged Handle
Ex1507B	1/2" drive	1	Universal Joint

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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Sockets Kits – 3/4" Drive

Ex1540-Kit

16-Piece Kit (Case Included)

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
Ex1506C	3/4" drive	1	Hinged Handle

Ex1540-Met Kit

14-Piece Kit (Case Included)

No.	Dimensions	Quantity	Description
Ex1503C-22	22mm	1	Socket, 3/4" drive
Ex1503C-24	24mm	1	Socket, 3/4" drive
Ex1503C-27	27mm	1	Socket, 3/4" drive
Ex1503C-30	30mm	1	Socket, 3/4" drive
Ex1503C-32	32mm	1	Socket, 3/4" drive
Ex1503C-36	36mm	1	Socket, 3/4" drive
Ex1503C-41	41mm	1	Socket, 3/4" drive
Ex1503C-46	46mm	1	Socket, 3/4" drive
Ex1503C-50	50mm	1	Socket, 3/4" drive
Ex1501S-C	3/4" drive	1	Ratchet
Ex1502-C	3/4" drive	1	Sliding Bar
Ex1504C-100	3/4" drive	1	Extension Bar
Ex1506C	3/4" drive	1	Hinged Handle

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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When ordering, specify:

A = Aluminum Bronze

B = Copper Beryllium

Example: Ex2211-KitA

or

Ex2211-KitB

Ex2000-KitB

24-Piece Kit *Copper Beryllium (CuBe) only*

(Case Included)

No.	Dimensions	Quantity	Description
Ex101U-0100B	1 lb.	1	Ball Peen Hammer
Ex104U-0500B	5 lb.	1	Sledge Hammer
Ex106U-0100B	1 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

Ex2211-Kit

11-Piece Kit (Case Included)

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
Ex122U-0100	1 lb.	1	Claw Hammer
Ex803-2B	No. 2 x 4"	1	Screwdriver - Phillips
Ex801-6B	1/4" x 6"	1	Screwdriver - Standard
Ex1001-4A	4 Rows	1	Brass Brush

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ATEX Classified Power Tools Ensure a High Level of Safety in Explosive Atmospheres

ATEX Directive 2014/34/EU defines requirements for controlling explosive atmospheres, as well as the standards for the equipment used in them. An explosive atmosphere is an atmosphere where enough flammable gas, mist, vapor or dust is mixed with air to cause an explosion if ignition occurs.

What is ATEX?

ATEX (ATmospheres EXplosibles) is a directive for those who design, manufacture or sell any equipment intended for use in potentially explosive atmospheres. Technical and quality objectives must be certified by a third-party certification association. The ATEX directive has been a legal requirement for all European Union States since July 2003. The ATEX symbol is recognized internationally, providing assurance to users around the world that the product was manufactured to high levels of safety.

What types of tools receive ATEX certification?

Pneumatic, hydraulic and electric power tools for construction and industry can be ATEX certified. CS Unitec offers a comprehensive line of power tools for the oil, gas and energy industries. ATEX certified power tools from our line include select models of reciprocating saws, hacksaws, rotary hammer drills, impact wrenches, portable band saws, nut runners, magnetic drills, axial fans and more.

How can I tell if my tool is ATEX certified?

The tool will be marked with the appropriate ATEX classification label and Ex symbol .

ATEX 		II	2G	Ex	h	IIC	T6	Gb
Marking according to the directive 2014/34/EU		Equipment Group	Category	Norm	Non-electrical equipment	Explosion Group	Temperature Class	Equipment Protection Level
Equipment Group I (mining)			Equipment Group II (surface industry)					
Category M1		Category M2		Category 1G		Category 2G		Category 3G
very high safety level, in the event of two independent incidents		high safety level		safe, also in the event of rare incidents		safe, also in the event of rare incidents		safe in normal operation
Equipment Protection Level								
Ma		Mb		Ga		Gb		Gc
Permissible Ex Zone (0=constantly, 1=sometimes, 2=infrequently)								
			0	1	2	1	2	2
Gases and Vapors								
Explosion Groups					Temperature Classes			
IIA		IIB		IIC	Ignition Temperature	Temperature Class	Max. Permissible Surface Temp.	Permissible Equipment Group
Acetone, Ammonia Benzol - pure, Acetic acid, Ethane, Ethyl acetate, Ethyl chloride, Carbon monoxide, Methane, Methanol, Methylene chloride, Naphthalene, Phenol, Propane, Toluol		Illuminating gas Composition: e.g. Hydrogen (51%) Methane (21%) Nitrogen (15%) Carbon monoxide (9%)		Hydrogen	>450°C	T1	450°C	T1 to T6
Ethyl alcohol, i-Amyl acetate, n-Butane, n-Butyl alcohol, Cyclohexane, Acetic anhydride		Ethylene, Ethylene oxide		Ethine (Acetylene)	> 300°C to < 450°C	T2	300°C	T2 to T6
Petrol - general, diesel fuel, jet fuel, heating oil DIN 51603, n-Hexane		Ethylene glycol, Hydrogen sulphide			> 200°C to < 300°C	T3	200°C	T3 to T6
Acetaldehyde		Ethyl ether			> 135°C to < 200°C	T4	135°C	T4 to T6
					> 100°C to < 135°C	T5	100°C	T5 to T6
				Sulphide of carbon	> 85°C to < 100°C	T6	85°C	T6 only
Permissible Equipment Groups					Example: Tool with II 2G Ex h IIB T4 Gb can be used in all Zone 1 and 2 areas with IIA and IIB - T1/T2/T3/T4. Tool with II 2G Ex h IIC T6 Gb can be used in all Zone 1 and 2 areas (IIC T6 is the highest classification). <i>Subject to change</i>			
IIA	IIB	IIC	IIB	IIC	Only IIC			

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.



ATEX Classified Power Tools for Ex and Hot Work Zones – Air & Hydraulic



Axial Fans: Pneumatic and Electric

Model No.	Power Type	Description	ATEX Classification
8 1020 0870	Electric	Axial Fan, 12" Dia., 230 Volt, 50 Hz, Single Phase	II2GExhIIBT3Gb
8 1531 0300	Pneumatic	Axial Fan, 12" Dia.	II2GExhIIBT6Gb
8 1533 0300	Pneumatic	Axial Fan, 20" Dia.	II2GExhIIBT6Gb
8 1534 0300	Pneumatic	Axial Fan, 24" Dia.	II2GExhIIBT6Gb
8 1611 0300	Pneumatic	Axial Fan, 12" Dia.	II2GExhIIBT6Gb
8 1616 0010	Pneumatic	Axial Fan, 5" Dia.	II2GExhIIBT6Gb
8 1620 0010	Pneumatic	Air Mover, 7"	II2GExhIIBT6Gb



Band Saws: Pneumatic and Hydraulic

Model No.	Power Type	Description	ATEX Classification
5 6030 0010	Pneumatic	Band Saw, 4" x 4" Cutting, Stainless Steel Frame	IM2ExhIMbT6
5 6032 0010	Pneumatic	Band Saw, 4" x 7" Cutting, Stainless Steel Frame	IM2ExhIMbT6
5 6041 0010	Hydraulic	Band Saw, 7" x 7" Cutting	II2GExhIIBT6Gb
5 6043 0010	Hydraulic	Band Saw, 4-3/4" Cutting	II2GExhIIBT6Gb
5 6054 0010	Hydraulic	Band Saw, 9" W x 8" D Cutting	II2GExhIIBT6Gb
5 6062 0010	Pneumatic	Band Saw, 9" W x 8" D Cutting	IM2ExhIMbT6
5 6093 0010	Pneumatic	Band Saw, 4-3/4" Cutting with table	II2GExhIIBT6Gb
5 6093 0100	Pneumatic	Band Saw, 4-3/4" Cutting	II2GExhIIBT6Gb



Chain Saws: Pneumatic

Model No.	Power Type	Description	ATEX Classification
5 1026 0010	Pneumatic	Chain Saw, Aluminum Housing with Brake	II2GExhIIBT5Gb
5 1027 0010	Pneumatic	Chain Saw, For Plastic with Brake	II2GExhIIBT5Gb
5 1028 0010	Pneumatic	Underwater Chain Saw, with Brake	II2GExhIIBT5Gb
5 1029 0010	Pneumatic	Chain Saw, with Chain Brake	IM2ExhIMbT5



Core Drills: Pneumatic and Hydraulic

Model No.	Power Type	Description	ATEX Classification
2 1317 0030	Hydraulic	Core Drill, 3.6 HP	II2GExhIIBT5Gb
2 1327 0010	Hydraulic	Core Drill, 4.2 HP	II2GExhIIBT5Gb
2 1328 0050	Pneumatic	Core Drill, 3.8 HP	II2GExhIIBT6Gb
2 1333 0010	Pneumatic	Core Drill, 2.1 HP	II2GExhIIBT6Gb
2 1335 0010	Pneumatic	Core Drill, 3.8 HP	II2GExhIIBT6Gb
2 1336 0010	Pneumatic	Core Drill, 3.75 HP	IM2ExhIMbT6
2 1353 0010	Pneumatic	Core Drill, up to 82mm, 160mm w/rig	II2GExhIIBT6Gb
2 1355 0010	Pneumatic	Core Drill, up to 82mm, 160mm w/rig	II2GExhIIBT6Gb

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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ATEX Classified Power Tools for Ex and Hot Work Zones – Air & Hydraulic



Corner Drills: Pneumatic

Model No.	Power Type	Description	ATEX Classification
2 1701 0030	Pneumatic	Corner Drill, MT2, Roll Throttle	IM2ExhIMbT6
2 1801 0030	Pneumatic	Corner Drill, MT3, Roll Throttle	IM2ExhIMbT6



Drills & Drive Units: Pneumatic

Model No.	Power Type	Description	ATEX Classification
2 1260 0010	Pneumatic	Drill, 3/8", Pistol Grip	IM2ExhIMb II2GExhIIBT6Gb
2 1261 0010	Pneumatic	Drill, 1/2", Pistol Grip	IM2ExhIMb II2GExhIIBT6Gb
2 1266 0010	Pneumatic	Drill, 1/2", Pistol Grip	II2GExhIIBT6Gb
2 1267 0010	Pneumatic	Drill, 3/8", Pistol Grip, for underwater use	II2GExhIIBT6Gb
2 1268 0010	Pneumatic	Drill, 13mm, Pistol Grip	II2GExhIIBT6Gb
2 1310 0010	Pneumatic	Drill, 1/2" Geared Chuck & Key, D-Handle	IM2ExhIMbT6
2 1310 0020	Pneumatic	Drill, 1/2", Quick Chuck, D-Handle	IM2ExhIMbT6
2 1311 0010	Pneumatic	Drill, MT1, D-Handle	IM2ExhIMbT6
2 1362 0010	Pneumatic	Pistol Drill, up to 13mm, reversible	II2GExhIIBT5Gb
2 2081 0010	Pneumatic	Drive Unit, 13/16" sq. dr.	II2GExhIIBT6Gb
2 2082 0010	Pneumatic	Drill, MT3 Lever Throttle, 1.7 HP, 20 RPM	II2GExhIIBT6Gb
2 2085 0010	Pneumatic	Drill, MT2 Lever Throttle, 1.7 HP	II2GExhIIBT6Gb
2 2087 0010	Pneumatic	Drive Unit, 7/8" sq. dr., reversible, lever throttle	II2GExhIIBT6Gb
2 2087 0030	Pneumatic	Drive Unit, 7/8" sq. dr., reversible, twist throttle	II2GExhIIBT6Gb
2 2088 0010	Pneumatic	Drive Unit, 7/8" sq. dr., reversible, lever throttle	II2GExhIIBT6Gb
2 2088 0030	Pneumatic	Drive Unit, 7/8" sq. dr., reversible, twist throttle	II2GExhIIBT6Gb
2 2089 0010	Pneumatic	Drill, MT3 Lever Throttle, 1-1/4" in steel, reversible, 250 RPM, 1.7 HP	II2GExhIIBT6Gb
2 2089 0030	Pneumatic	Drill, MT3 Twist Throttle, 1-1/4" in steel, reversible, 250 RPM, 1.7 HP	II2GExhIIBT6Gb
2 2502 0010	Pneumatic	Drill, MT4 Lever Throttle, 2" in steel	II2GExhIIBT6Gb
2 2502 0030	Pneumatic	Drill, MT4 Twist Throttle, 2" in steel	II2GExhIIBT6Gb
2 2506 0010	Pneumatic	Drill, MT3 Lever Throttle, 1-1/4" in steel	II2GExhIIBT6Gb
2 2506 0030	Pneumatic	Drill, MT3 Twist Throttle, 1-1/4" in steel	II2GExhIIBT6Gb
2 2804 0010	Pneumatic	Drive Unit, 1-1/8" female sq. dr.	II2GExhIIBT6Gb



Dry Cut Saws: Pneumatic and Hydraulic

Model No.	Power Type	Description	ATEX Classification
5 1115 0020 N	Pneumatic	Circular Saw, 9" Dia.	II2GExhIIBT5Gb
5 1127 0010	Hydraulic	Circular Saw, 12-5/8" Dia.	II3GExhIIBT5Gc
5 1128 0010	Hydraulic	Circular Saw, 7-1/2" Dia.	II2GExhIIBT5Gb



Hacksaws: Pneumatic and Hydraulic

Model No.	Power Type	Description	ATEX Classification
5 1212 0050A	Pneumatic	Hacksaw, Lever Throttle	II2GExhIIBT5Gb
5 1213 0010	Hydraulic	Hacksaw, Roll Throttle, ZAMAK	IM2ExhIMbT5
5 1213 9500	Accessory	Magnetic Clamping Device for Hacksaw	
5 1220 0050	Hydraulic	Hacksaw, Lever Throttle	II2GExhIIBT5Gb
5 1230 0050	Hydraulic	Hacksaw, Lever Throttle, for Nuclear/Underwater w/fully-sealed gearbox	II2GExhIIBT5Gb

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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ATEX Classified Power Tools for Ex and Hot Work Zones – Air & Hydraulic

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Impact Wrenches: Pneumatic and Hydraulic

Model No.	Power Type	Description	ATEX Classification
6 1034 0010	Pneumatic	Impact Wrench, 1/2", 450 ft-lbs Torque	II2GExhIIBT6Gb
6 1312 0010	Pneumatic	Impact Wrench, 3/4", 1327 ft-lbs Torque	IM2ExhIMbT6
6 1313 0010	Pneumatic	Impact Wrench, 3/4"	II2GExhIIBT6Gb
6 1316 0010	Pneumatic	Impact Wrench, 1", 995 ft-lbs Torque	IM2ExhIMbT6
6 1316 0020	Pneumatic	Impact Wrench, 3/4", 995 ft-lbs Torque	IM2ExhIMbT6
6 1316 0040	Pneumatic	Impact Wrench, 1", 995 ft-lbs Torque	II2GExhIIBT6Gb
6 1316 0050	Pneumatic	Impact Wrench, 3/4", 995 ft-lbs Torque	II2GExhIIBT6Gb
6 1316 0060	Pneumatic	Impact Wrench, 1", 995 ft-lbs Torque, underwater use	II2GExhIIBT6Gb
6 1316 0070	Pneumatic	Impact Wrench, 3/4", 995 ft-lbs Torque, underwater use	II2GExhIIBT6Gb
6 1410 0010	Pneumatic	Impact Wrench, 1", 1620 ft-lbs Torque	II2GExhIIBT6Gb
6 1411 0010	Pneumatic	Impact Wrench, 1", 1620 ft-lbs Torque	IM2ExhIMbT6
6 1412 0010	Pneumatic	Impact Wrench, 1", 1364 ft-lbs Torque	IM2ExhIMbT6
6 1417 0040	Pneumatic	Impact Wrench, 1-1/2", 3240 ft-lbs Torque	II2GExhIIBT6Gb
6 1430 0010	Pneumatic	Impact Wrench, 1", 1900 ft-lbs Torque	IM2ExhIMbT6
6 1514 0010	Hydraulic	Impact Wrench, 1", 1220 ft-lbs Torque	II2GExhIIBT5Gb
6 1515 0010	Hydraulic	Impact Wrench, 3/4", 1220 ft-lbs Torque	II2GExhIIBT5Gb
6 1517 0010	Hydraulic	Impact Wrench, 1"	IM2ExhIMbT5
6 1520 0010	Hydraulic	Impact Wrench, 1", 1840 ft-lbs Torque	II2GExhIIBT5Gb



Magnetic Drills: Pneumatic and Hydraulic

Model No.	Power Type	Description	ATEX Classification
AB-4300-2	Pneumatic	Mag Drill, 2-1/16" dia.	II2GExhIIBT6Gb
AB-4300-2R	Pneumatic	Mag Drill, 2-1/16" dia., with extra rack for longer stroke	II2GExhIIBT6Gb
2 1345 0010	Hydraulic	Mag Drill, 4" dia., 1-1/4" dia. tapping	II2GExhIIT5Gb
2 1345 0020	Hydraulic	Mag Drill, 4" dia. with wide base, 1-1/4" dia. tapping	II2GExhIIT5Gb



Mixers: Pneumatic

Model No.	Power Type	Description	ATEX Classification
7 1114 0010	Pneumatic	Mixer, Roll Throttle, 0-440 RPM, 1.5 HP	IM2ExhIMbT6
7 1114 0020	Pneumatic	Mixer, Lever Throttle, 0-440 RPM, 1.5 HP	IM2ExhIMbT6



Nut Runners: Pneumatic and Hydraulic

Model No.	Power Type	Description	ATEX Classification
3 6242 0010	Hydraulic	Hydraulic Nut Runner, 3/4" female sq. dr.	II2GExhIIBT4Gb
3 6243 0010	Hydraulic	Hydraulic Nut Runner, 20mm male sq. dr.	II2GExhIIBT4Gb
6 1014 0010	Pneumatic	Nut Runner, 1/2" Sq. Drive, 180 RPM	IM2ExhIMbT6
6 1014 0050	Pneumatic	Nut Runner, 3/4" female Sq. Drive, 100 RPM	IM2ExhIMbT6
6 1055 0010	Pneumatic	Nut Runner, 3/4" Sq. Drive, 22 RPM	IM2ExhIMbT6
6 1056 0010	Pneumatic	Nut Runner, 3/4" Sq. Drive, 120 RPM	IM2ExhIMbT6
6 1057 0010	Pneumatic	Nut Runner, 3/4" Sq. Drive, 125 RPM	IM2ExhIMbT6
6 1061 0010	Pneumatic	Nut Runner, 7/8" Sq. Drive, 22 RPM	IM2ExhIMbT6

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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Pipe Cutting Machines: Hydraulic & Pneumatic

Model No.	Power Type	Description	ATEX Classification
5 8002 7000	Pneumatic	Pipe Cutting Drive Unit, 2.4 HP	II2GExhIIBT6Gb
5 8006 7000	Hydraulic	Pipe Cutting Drive Unit, 4 HP	II2GExhIIBT6Gb
5 8010 0050	Pneumatic	Pipe Cutting Drive Unit, 4 HP	II2GExhIIBT6Gb



Reciprocating Saws: Hydraulic and Pneumatic

Model No.	Power Type	Description	ATEX Classification
5 1217 0020	Pneumatic	Reciprocating Saw, 1.3 HP	II2GExhIIBT5Gb
5 1219 0010	Hydraulic	Reciprocating Saw	II2GExhIIBT5Gb
CL50	Pneumatic	Reciprocating Saw, 1 HP	II2GExhIIBT2Gb
CL75	Pneumatic	Reciprocating Saw, 1 HP	II2GExhIIBT3Gb
JP901	Pneumatic	Reciprocating Saw, 1 HP	II2GExhIIBT3Gb
PL905	Pneumatic	Reciprocating Saw, 1 HP	II2GExhIIBT2Gb



Rotary Hammer Drills: Hydraulic and Pneumatic

Model No.	Power Type	Description	ATEX Classification
2 2404 0010	Pneumatic	1" dia., SDS Plus, 0-3000 Blows per Minute	II2GExhIIBT6Gb
2 2408 0010	Pneumatic	1" dia., SDS Plus, For Underground Mining	IM2ExhIMbT6
2 2417 0010	Pneumatic	2" dia., SDS Max	II2GExhIIBT6Gb
2 2418 0010	Hydraulic	2" dia., SDS Max	II2GExhIIBT5Gb
2 2426 0010	Hydraulic	1" dia., SDS Plus	II2GExhIIBT5Gb



Tools for Hydrogen Processing: Pneumatic

See p. 92-95

Model No.	Power Type	Description	ATEX Classification
2 1362 001C	Pneumatic	Drill, up to 1/2", reversible	II2GExhIIBT5Gb
2 2404 001C	Pneumatic	1" dia., SDS Plus, 0-3000 Blows per Minute	II2GExhIIBT6Gb
2 2080 001C	Pneumatic	Drill, 3/4" chuck with safety lever valve	II2GExhIIBT6Gb
6 1034 001C	Pneumatic	Impact Wrench, 1/2" square drive, 3/4" (M20) max. bolt size	II2GExhIIBT6Gb
6 1316 005C	Pneumatic	Impact Wrench, 1/2" square drive, 1-1/8" (M30) max. bolt size	II2GExhIIBT6Gb
6 1316 004C	Pneumatic	Impact Wrench, 3/4" square drive, 1-1/8" (M30) max. bolt size	II2GExhIIBT6Gb
6 1410 001C	Pneumatic	Impact Wrench, 1" square drive, 1-3/8" (M36) max. bolt size	II2GExhIIBT6Gb
3 6212 005C	Pneumatic	Nut Runner, 3/4" female square drive, 35 RPM	II2GExhIIBT6Gb
6 1014 005C	Pneumatic	Nut Runner, 3/4" female square drive, 100 RPM	II2GExhIIBT6Gb
6 1055 001C	Pneumatic	Nut Runner, 3/4" female square drive, 22 RPM	II2GExhIIBT6Gb
6 1056 001C	Pneumatic	Nut Runner, 3/4" female square drive, 67 RPM	II2GExhIIBT6Gb
6 1057 001C	Pneumatic	Nut Runner, 3/4" female square drive, 125 RPM	II2GExhIIBT6Gb
6 1061 001C	Pneumatic	Nut Runner, 7/8" female square drive, 22 RPM	II2GExhIIBT6Gb

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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ATEX Classified Power Tools for Ex and Hot Work Zones – Air & Hydraulic

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Surface Preparation Tools: Pneumatic

Model No.	Power Type	Description	ATEX Classification
139.2403	Pneumatic	VL203Ex Pistol Needle Scaler Kit	EX II 2 G EX H IIC T4 GB (Gas) EX II 2 D EX H IIIC T135°C DB (Dust)
139.2423	Pneumatic	VL223Ex Inline Needle Scaler Kit	EX II 2 G EX H IIC T4 GB (Gas) EX II 2 D EX H IIIC T135°C DB (Dust)
139.2433	Pneumatic	VL303Ex Pistol Needle Scaler Kit	EX II 2 G EX H IIC T4 GB (Gas) EX II 2 D EX H IIIC T135°C DB (Dust)
151.5110	Pneumatic	SF1 Single Head Scaling Hammer, CuBe Cruciform Head	EX II 2 G EX H IIC T4 GB (Gas) EX II 2 D EX H IIIC T135°C DB (Dust)
153.5310	Pneumatic	SF3 Triple Head Scaling Hammer, CuBe Cruciform Head	EX II 2 G EX H IIC T4 GB (Gas) EX II 2 D EX H IIIC T135°C DB (Dust)
159.5930	Pneumatic	SF11 Steel Deck Hammer, CuBe Cruciform Heads	EX II 2 G EX H IIC T4 GB (Gas) EX II 2 D EX H IIIC T135°C DB (Dust)
196.2107	Pneumatic	VL223Ex Inline Needle Scaler, 19 Needles	EX II 2 G EX H IIC T4 GB (Gas) EX II 2 D EX H IIIC T135°C DB (Dust)
196.2117	Pneumatic	VL223Ex Inline Chisel Scaler, 2" (50mm) AlBr Chisel	EX II 2 G EX H IIC T4 GB (Gas) EX II 2 D EX H IIIC T135°C DB (Dust)
196.2207	Pneumatic	VL203Ex Pistol Needle Scaler, 19 Needles	EX II 2 G EX H IIC T4 GB (Gas) EX II 2 D EX H IIIC T135°C DB (Dust)
196.2217	Pneumatic	VL203Ex Pistol Chisel Scaler, 2" (50mm) AlBr Chisel	EX II 2 G EX H IIC T4 GB (Gas) EX II 2 D EX H IIIC T135°C DB (Dust)
196.3007	Pneumatic	VL303Ex Pistol Needle Scaler, 28 Needles	EX II 2 G EX H IIC T4 GB (Gas) EX II 2 D EX H IIIC T135°C DB (Dust)
196.3017	Pneumatic	VL303Ex Pistol Chisel Scaler, 2" (50mm) AlBr Chisel	EX II 2 G EX H IIC T4 GB (Gas) EX II 2 D EX H IIIC T135°C DB (Dust)
196.5110	Pneumatic	VLSF1 Low-Vibration Single Head Scaling Hammer, CuBe Cruciform Head	EX II 2 G EX H IIC T4 GB (Gas) EX II 2 D EX H IIIC T135°C DB (Dust)
199.2203	Pneumatic	VL203Ex Pistol Chisel Scaler	EX II 2 G EX H IIC T4 GB (Gas) EX II 2 D EX H IIIC T135°C DB (Dust)
199.3203	Pneumatic	VL303 Pistol Chisel Scaler	EX II 2 G EX H IIC T4 GB (Gas) EX II 2 D EX H IIIC T135°C DB (Dust)

Tools for Hydrogen Processing: Pneumatic

See p. 92-95



Model No.	Power Type	Description	ATEX Classification
8 1634 001C	Pneumatic	Air Mover, stainless steel, up to 763 CFM flow at 90 PSI	II2GExhIICT6Gb
8 1636 001C	Pneumatic	Air Mover, stainless steel, up to 968 CFM flow at 90 PSI	II2GExhIICT6Gb
8 1638 001C	Pneumatic	Air Mover, stainless steel, up to 1854 CFM flow at 90 PSI	II2GExhIICT6Gb
8 1640 001C	Pneumatic	Air Mover, stainless steel, up to 2084 CFM flow at 90 PSI	II2GExhIICT6Gb
8 1642 001C	Pneumatic	Air Mover, stainless steel, up to 2878 CFM flow at 90 PSI	II2GExhIICT6Gb
8 1644 001C	Pneumatic	Air Mover, stainless steel, up to 2949 CFM flow at 90 PSI	II2GExhIICT6Gb
5 6031 001C	Pneumatic	Band Saw, 7"x7" square, 7" dia. max. cutting capacity	II2GExhIICT6Gb
5 1217 001C	Pneumatic	Reciprocating Saw, 6" dia. steel pipe, 8" dia. plastic pipe	II2GExhIICT6Gb
5 1212 001C	Pneumatic	Hacksaw, Roll Throttle	II2GExhIICT5Gb
5 1212 005C	Pneumatic	Hacksaw, Lever Throttle	II2GExhIICT5Gb
5 8022 005C	Pneumatic	Pipe Cutting Machine, up to 96" dia.	II2GExhIICT6Gb

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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ATEX-Certified Needle and Chisel Scalars

Specially-designed for use in hazardous environments – equipped with Vibro-Lo™ low vibration technology

These specially engineered Trelawny VL203Ex, VL223Ex and VL303Ex needle and chisel scalars are:

- Fully certified to the classification:
Ex II 2 G Ex h IIC T4 Gb (GAS) and
Ex II 2 D Ex h IIC T135 °C Db (DUST)
under the European Directive 94/9/EC
- Ideal for use in oil, gas & petrochemical industries such as refineries, offshore platforms, LPG terminals and all chemical processing environments.

ATEX Certified

For use in hazardous environments and ATEX and Ex Zones. See page 82 for classifications.



Vibro-Lo™ technology operates with 8x less vibration than standard models.



VL223Ex Needle



VL203Ex Needle



VL303Ex Chisel



Grip	Description	Model Number	Needle/Chisel Supplied	Tool Weight (lbs.)	Blows per minute	CFM @ 90 PSI	Noise Level dB(A)	Vibration Levels m/s ²	Service Kit Part No.
Inline 	VL223Ex Needle Scaler	196.2107	19 qty. / 3mm dia.	5.25	2400	4.0	90.7	2.56	446.2003X
	VL223Ex Chisel Scaler	196.2117	2" (50mm) AlBr	6.5	2400	4.0	90.7	3.69	446.2203X
	VL223Ex Needle Scaler Kit	139.2423	19 qty. / 3mm dia.	5.25	2400	4.0	90.7	2.56	446.2003X
Pistol 	VL203Ex Needle Scaler	196.2207	19 qty. / 3mm dia.	6	2400	4.0	90.7	2.75	446.2003X
	VL203Ex Chisel Scaler	196.2217	2" (50mm) AlBr	7	2400	4.0	90.7	3.33	446.2203X
	VL203Ex Needle Scaler Kit	139.2403	19 qty. / 3mm dia.	6	2400	4.0	90.7	2.75	446.2003X
	VL303Ex Needle Scaler	196.3007	28 qty. / 3mm dia.	7.75	3000	5.0	109.5	2.3	446.3003X
	VL303Ex Chisel Scaler	196.3017	2" (50mm) AlBr	9.4	3000	5.0	109.5	3.7	446.3303X
	VL303Ex Needle Scaler Kit	139.2433	28 qty. / 3mm dia.	7.75	3000	5.0	109.5	2.3	446.3003X

Aluminum bronze chisel supplied with chisel scaler, p/n 704.3110. Copper beryllium chisel-tip needles supplied with needle scalars, box of 19 (p/n 403.1319), box of 28 (p/n 403.1328).

ATEX Kit Features



Copper Beryllium needles – high strength with non-sparking and non-magnetic properties



Dust shroud to protect user from hazardous dust and debris (standard in kits only)



Fall arrestor eliminates the risk of dropping the tool causing injury or equipment damage (standard in kits only)



Needle Scaler Kits include ATEX-Certified needle scaler, extra set of Copper Beryllium needles, dust shroud, corner cuff, edge cuff, flat cuff and fall arrestor.



139.2423



139.2403



139.2433



Optional Accessory

Anti-static lanyard available for use with the fall arrestor (P/N 415.3003)

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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ATEX Models for use in Ex Zones and Hazardous Environments.

IMPACT WRENCHES

Pneumatic- and hydraulic-powered impact wrenches, ideal for tightening and removing bolts and screws up to 2-1/8"

CS Unitec's pneumatic and hydraulic impact wrenches are ideal for industrial, mining, assembly and subsea applications.

- High torque
- Best power-to-weight ratio



ATEX Certified

For use in hazardous environments and ATEX and Ex Zones. See page 82 for classifications.

6 1034 0010
1/2" Pneumatic Impact Wrench
450 ft.-lbs. torque
Multi-step throttle valve



Caution: User must follow all appropriate safety regulations when choosing a tool for their particular working environment.

Pneumatic Impact Wrenches

Order No.	Description	Max. Bolt Size	Tightening Torque (Hard)	Weight	Motor Specifications
6 1034 0010	1/2" Square Drive	3/4" (M 20)	450 ft.-lbs.	5.5 lbs.	
6 1316 0050	3/4" Square Drive	1-1/8" (M 30)	995 ft.-lbs.	12.3 lbs.	50CFM @ 90 PSI
6 1316 0070*	3/4" Square Drive	1-1/8" (M 30)	995 ft.-lbs.	12.3 lbs.	50CFM @ 90 PSI
6 1316 0040	1" Square Drive	1-1/8" (M 30)	995 ft.-lbs.	12.6 lbs.	50CFM @ 90 PSI
6 1316 0060*	1" Square Drive	1-1/8" (M 30)	995 ft.-lbs.	12.6 lbs.	50CFM @ 90 PSI
6 1410 0010	1" Square Drive	1-3/8" (M 36)	1620 ft.-lbs.	24.3 lbs.	57CFM @ 90 PSI
6 1417 0040	1-1/2" Square Drive	2-1/8" (M 56)	3240 ft.-lbs.	26.9 lbs.	57CFM @ 90 PSI

*Subsea models for underwater use

Hydraulic Impact Wrenches

Order No.	Description	Max. Bolt Size	Tightening Torque (Hard)	Weight	Motor Specifications
6 1515 0010*	3/4" Square Drive	1" (M 27)	1220 ft.-lbs.	18.1 lbs.	up to 10 GPM @ 2000 PSI
6 1520 0010*	1" Square Drive	1-3/8" (M 36)	1840 ft.-lbs.	25.0 lbs.	up to 10 GPM @ 2000 PSI

*Subsea models for underwater use

ATEX



6 1316 0050
3/4" Pneumatic Impact Wrench
995 ft.-lbs. torque

6 1316 0040
1" Pneumatic Impact Wrench
995 ft.-lbs. torque

See page 82 for information on ATEX



6 1410 0010
1" Pneumatic Impact Wrench
1620 ft.-lbs. torque

6 1417 0040
1-1/2" Pneumatic Impact Wrench
3240 ft.-lbs. torque

ATEX



6 1515 0010
3/4" Hydraulic Impact Wrench
1220 ft.-lbs. torque



6 1520 0010*
1" Hydraulic Impact Wrench
1840 ft.-lbs. torque

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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AXIAL FANS AND AIR MOVERS

Highly efficient, explosion-proof pneumatic- and electric-powered units for ventilating, exhausting and cooling.

CS Unitec's pneumatic and electric axial fans and air movers are ideal for ventilating, exhausting and cooling in applications such as ship holds, underground mining, shipyards, refineries, petrochemical plants, oil platforms, power plants, tunneling, construction and more.



8 1524 0300
Air Axial Fan, 24" dia.
12,353 cfm output @ 90 psi



8 1020 Series
Electric Axial Fans
with protective
grille on inlet side
2118 cfm output

Explosion-Proof
Axial Fans,
Air and Electric,
12" to 24" dia.



Caution: User must follow all appropriate safety regulations when choosing a tool for their particular working environment.



Explosion-Proof Pneumatic Axial Fans and Air Movers

Order No.	Description	Dia.	Power	Volume Output	Air Consumption	Weight lbs.	dBA
8 1521 0300	Axial Fan	12"	Air	3240 cfm	46CFM @ 90 PSI	48.5	101
8 1522 0300	Axial Fan	16"	Air	5720 cfm	75CFM @ 90 PSI	70.4	92
8 1523 0300	Axial Fan	20"	Air	9170 cfm	97CFM @ 90 PSI	101.2	90
8 1524 0300	Axial Fan	24"	Air	12,353 cfm	136CFM @ 90 PSI	127.6	86
8 1603 0300	Axial Fan	12"	Air	2119 cfm	20CFM @ 90 PSI	28.6	85
W 40	Air Mover	4"	Air	1140 cfm	85CFM @ 90 PSI	11	91
W 70	Air Mover	6"	Air	3000 cfm	166CFM @ 90 PSI	22	91
8 1620 0010	Air Mover	7"	Air	2366 cfm	158CFM @ 90 PSI	8	104



8 1620 0010
Pneumatic Air Mover, 7" dia.
2366 cfm output @ 90 psi

Explosion-Proof Electric Axial Fans

Order No.	Description	Dia.	Power	Volume Output	Weight lbs.	dBA
8 1020 0140	Axial Fan	12"	230/400 V 50 Hz 3-phase	2118 cfm	44	86
8 1020 0870	Axial Fan	12"	230 V 50 Hz single phase	2118 cfm	45	85

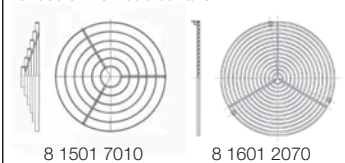


W 70
Pneumatic Air Mover, 6" dia.
3000 cfm output @ 90 psi

Optional Accessories

Protective Grilles

For use on non-ducted fans.



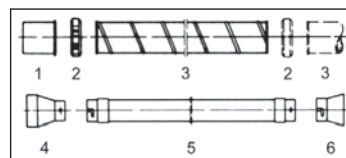
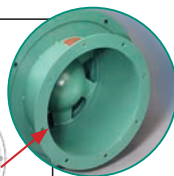
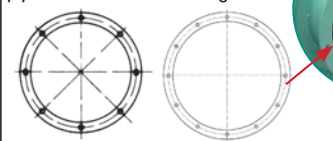
9 3001 0010	Mounting Flange for 12" Axial Fans, DIN 21603 (1 or 2 per fan)
9 3001 0020	Mounting Flange for 16" Axial Fans, DIN 21603 (1 or 2 per fan)
9 3001 0030	Mounting Flange for 20" Axial Fans, DIN 21603 (1 or 2 per fan)
9 3001 0040	Mounting Flange for 24" Axial Fans, DIN 21603 (1 or 2 per fan)

8 1501 7010	Protective Grille for 12" Axial Fan (1 or 2 per fan)
8 1502 9010	Protective Grille for 16" Axial Fan (1 or 2 per fan)
8 1503 9010	Protective Grille for 20" Axial Fan (1 or 2 per fan)
8 1504 7010	Protective Grille for 24" Axial Fan (1 or 2 per fan)
8 1601 2070	Protective Grille for 8 1020 Fans (1 or 2 per fan)

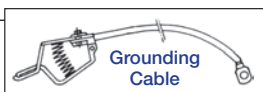
9 3707 0020	Grounding Cable
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Mounting Flanges

For fitting fans to flanged pipes for suction or discharge



9 3709 0260	Connecting Piece, Antistatic, for 12" Axial Fan (dwg 1)
9 3709 0270	Connecting Piece, Antistatic, for 16" Axial Fan (dwg 1)
9 3709 0280	Connecting Piece, Antistatic, for 20" Axial Fan (dwg 1)
9 3709 0290	Connecting Piece, Antistatic, for 24" Axial Fan (dwg 1)
9 3709 0300	Quick-seal Coupling, Antistatic, for 12" Axial Fan (dwg 2)
9 3709 0310	Quick-seal Coupling, Antistatic, for 16" Axial Fan (dwg 2)
9 3709 0320	Quick-seal Coupling, Antistatic, for 20" Axial Fan (dwg 2)
9 3709 0330	Quick-seal Coupling, Antistatic, for 24" Axial Fan (dwg 2)
9 3709 0220	Plastic Ducting, 16' long, Antistatic, for 12" Axial Fan (dwg 3)
9 3709 0230	Plastic Ducting, 16' long, Antistatic, for 16" Axial Fan (dwg 3)
9 3709 0240	Plastic Ducting, 16' long, Antistatic, for 20" Axial Fan (dwg 3)
9 3709 0250	Plastic Ducting, 16' long, Antistatic, for 24" Axial Fan (dwg 3)
9 3703 0050	Adapter, dia. 12"/8" (dwg 4)
9 3709 0130	Plastic Hose, dia. 8", 15' long (dwg 5)
9 3702 0030	Suction Nozzle, 12"/8" (dwg 6)



Caution: User must follow all appropriate safety regulations when choosing a tool for their particular working environment.

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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SPECIAL TOOLS FOR HYDROGEN GENERATION APPLICATIONS

Pneumatic power tools used in and around highly flammable applications such as hydrogen generation and storage facilities.



See page 44-49
for non-sparking
impact sockets

High-Torque 4-Speed Reversible Drill - Pneumatic

- 1/2" square drive for bolts up to 3/4"
- 4-speed, reversible
- Operating pressure: 90 PSI

Order No.	ATEX Specification	Drill chuck max. dia.	Drilling capacity dia. in steel	Speed (free)	Power	Air consumption	Noise level LpA	Vibration level	Weight
		in.	in.	rpm	HP	CFM	dB(A)	m/s ²	lbs.
2 1362 001C	II2GExhIICT5Gb	0.5	1.18	50/650/ 850	1.3	40	84	<2.5	8.2

Optional air tool line conditioner to displace moisture, Part No. 9109 (5 liters).

* Specifications subject to change

Performance data at an operating pressure of 90 PSI.

SDS Plus Rotary Hammer Drill - Pneumatic

- Hammer drill holes in concrete, brick and masonry
- Rotary operation for drilling steel and wood
- Safety clutch protects against overloading and jamming
- Operating pressure: 90 PSI



Order No.	ATEX Specification	Tool holder	Drilling capacity dia. in concrete	Speed (free)	Percussion	Power	Air consumption	Noise level LpA	Vibration level	Weight
			in.	rpm	rpm	HP	CFM	dB(A)	m/s ²	lbs.
2 2404 001C	II2GExhIICT6Gb	SDS-plus	0.19-1.10	625	3,000	0.67	21	93	4.5	13.9

Optional air tool line conditioner to displace moisture, Part No. 9109 (5 liters).

* Specifications subject to change

Performance data at an operating pressure of 90 PSI.

High-Torque Slow-Speed Drill with Centering - Pneumatic

- Steplessly adjustable with safety lever valve
- Operating pressure: 90 PSI



Order No.	ATEX Specification	Square Drive	Valve type	Direction of rotation	Max. drilling dia. in steel	Speed under load	Power	Air consumption	Noise level LpA	Vibration level	Weight
					in.	rpm	HP	CFM	dB(A)	m/s ²	lbs.
2 2080 001C	II2GExhIICT6Gb	3/4"	Safety lever valve	right	1.26	20	1.3	46	92.0	3.3	28.7

Optional air tool line conditioner to displace moisture, Part No. 9109 (5 liters).

* Specifications subject to change

Performance data at an operating pressure of 90 PSI.

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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SPECIAL TOOLS FOR HYDROGEN GENERATION APPLICATIONS

Lightweight, High-Torque Impact Wrench - Pneumatic

- 1/2" square drive for bolts up to 3/4"
- Operating pressure: 90 PSI



Order No.	ATEX Specification	Square drive	for screws up to	Max. Torque**	Air consumption	Distance center to outer edge	Hose ID	Noise level LpA	Vibration level	Weight
			in.	ft./lbs.	CFM	in.	in.	dB(A)	m/s ²	lbs.
6 1034 001C	II2GExhIICT6Gb	1/2"	3/4"-10	449.91	11	1.87	.39	90	2.6	5.5

Optional air tool line conditioner to displace moisture, Part No. 9109 (5 liters).
** Specifications subject to change **applied on screw strength class 8.8*
Performance data at an operating pressure of 90 PSI.

See pages 44-49 for non-sparking impact sockets

Compact, High-Torque Impact Wrench - Pneumatic

- For bolts up to 1-1/8"
- Operating pressure: 90 PSI



Order No.	ATEX Specification	Square drive	for screws up to	Max. Torque**	Air consumption	Distance center to outer edge	Hose ID	Noise level LpA	Vibration level	Weight
			in.	ft./lbs.	CFM	in.	in.	dB(A)	m/s ²	lbs.
6 1316 005C	II2GExhIICT6Gb	3/4"	1-1/8"-7	995.71	49	1.77	.51	96	4.5	12.3
6 1316 004C	II2GExhIICT6Gb	1"	1-1/8"-7	995.71	49	1.77	.51	96	4.5	12.5

Optional air tool line conditioner to displace moisture, Part No. 9109 (5 liters).
** Specifications subject to change **applied on screw strength class 8.8*
Performance data at an operating pressure of 90 PSI.

See pages 44-49 for non-sparking impact sockets

Powerful, High-Torque Impact Wrench with Second Handle - Pneumatic

- For bolts up to 1-1/8"
- Second handle
- Operating pressure: 90 PSI



Order No.	ATEX Specification	Square drive	for screws up to	Max. Torque**	Air consumption	Distance center to outer edge	Hose ID	Noise level LpA	Vibration level	Weight
			in.	ft./lbs.	CFM	in.	in.	dB(A)	m/s ²	lbs.
6 1410 001C	II2GExhIICT6Gb	1"	1-3/8"-6	1622.64	57	2.24	.51	92	6.2	24.2

Optional air tool line conditioner to displace moisture, Part No. 9109 (5 liters).
** Specifications subject to change **applied on screw strength class 8.8*
Performance data at an operating pressure of 90 PSI.

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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SPECIAL TOOLS FOR HYDROGEN GENERATION APPLICATIONS

93

High-Torque Nut Runners - Pneumatic

- Air outlet for motor cooling
- Lever valve
- Operating pressure: 90 PSI



Order No.	ATEX Specification	Tool Holder (female)	Valve type	Power	Air consumption	Torque	Speed under load	Noise level LpA	Vibration level	Weight
				HP	CFM	ft./lbs.	rpm	dB(A)	m/s ²	lbs.
3 6212 005C	II2GExhIICT6Gb	3/4"	Lever	0.94	46	169.64	35	91	<2.5	13.7
6 1014 005C	II2GExhIICT6Gb	3/4"	Lever	0.94	46	48.68	100	89	<2.5	11.5
6 1055 001C	II2GExhIICT6Gb	3/4"	Lever	0.94	46	206.52	22	80.5	<2.5	12.6
6 1056 001C	II2GExhIICT6Gb	3/4"	Lever	0.94	46	68.38	67	80.5	<2.5	13.0
6 1057 001C	II2GExhIICT6Gb	3/4" (1/2")	Lever	0.94	46	36.88	125	80.5	<2.5	12.8
6 1061 001C	II2GExhIICT6Gb	3/4"	Lever	0.94	46	280	22	80.5	<2.5	12.8

Optional air tool line conditioner to displace moisture, Part No. 9109 (5 liters).

* Specifications subject to change **applied on screw strength class 8.8

Performance data at an operating pressure of 90 PSI.

Stainless Steel Air Movers - Pneumatic

- Maintenance and wear-free, no rotating parts
- Integrated handle
- Operating pressure: 29-90 PSI



Order No.	ATEX Specification	Nominal dia. (outer)	Length	Volume flow (unrestricted) at 90 PSI			Air consumption	Connection (female)	Noise level LpA	Vibration level	Weight
		in.	in.	CFM	CFM	CFM	CFM		dB(A)	m/s ²	lbs.
8 1634 001C	II2GExhIICT6Gb	4	16.14	762	642	540	56-81	G 1/2"	100.8	<2.5	13.7
8 1636 001C	II2GExhIICT6Gb	5.08	16.73	967	766	657	60-87	G 1/2"	101.1	<2.5	11.5
8 1638 001C	II2GExhIICT6Gb	6.06	17.13	1854	1660	1353	98-155	G 1/2"	103.8	<2.5	12.6
8 1640 001C	II2GExhIICT6Gb	6.63	17.72	2083	1914	1653	102-158	G 1/2"	104.4	<2.5	13.0
8 1642 001C	II2GExhIICT6Gb	8.03	17.72	2878	2401	1995	222-342	G 3/4"	115.8	<2.5	12.8
8 1644 001C	II2GExhIICT6Gb	8.63	17.72	2949	2543	2147	226-335	G 3/4"	116.3	<2.5	12.8

Optional air tool line conditioner to displace moisture, Part No. 9109 (5 liters).

* Specifications subject to change

Portable Band Saw - Pneumatic

- Cut steel, stainless, Inconel, chrome, Hastelloy, aluminum, copper, iron, fiberglass, plastic, wood and more
- Operating pressure: 90 PSI



Order No.	ATEX Specification	Power	Air Consumption	Type	Cutting capacity max. dia.	Cutting capacity max. dia.	Noise level LpA/LwA	Vibration level	Weight
		HP	CFM	in.	in.	in.	dB(A)	m/s ²	lbs.
5 6031 001C	II2GExhIICT6Gb	1.34	42	7" x 7"	7.09	7.09 x 7.09	82/91	<2.5	28.7

Optional air tool line conditioner to displace moisture, Part No. 9109 (5 liters).

* Specifications subject to change

Performance data at an operating pressure of 90 PSI.

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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SPECIAL TOOLS FOR HYDROGEN GENERATION APPLICATIONS

Reciprocating Saw - Pneumatic

- Cut steel pipe and channel 1/2" to 6" dia., plastic pipe to 8" dia.
- 1.3 HP motor
- Operating pressure: 90 PSI



Order No.	ATEX Specification	Power	Air Consumption	Stroke	Number of strokes (free)	Noise level LpA/LwA	Vibration level	Weight
		HP	CFM	in.	rpm	dB(A)	m/s ²	lbs.
5 1217 001C	II2GExhIICT5Gb	1.3	46	1.10	180	180x 180	12.3 (chipboard) 16.3 (wooden beam)	8.8

Optional air tool line conditioner to displace moisture, Part No. 9109 (5 liters).

* Specifications subject to change

Performance data at an operating pressure of 90 PSI.

Hacksaw - Pneumatic

- Roll or lever throttle
- Compact size for cutting in confined spaces
- Operating pressure: 90 PSI



Order No.	ATEX Specification	Housing material	Valve type	Power	Number of strokes	Stroke	Air consumption	Noise level LpA	Vibration level	Connection	Hose ID min.	Weight
				HP	rpm	in.	CFM	dB(A)	m/s ²		in.	lbs.
5 1212 001C	II2GExhIICT5Gb	aluminum	Twist	1.5	360	2.36	51.21	76	<2.5	R 3/4" male	0.5	16.5
5 1212 005C	II2GExhIICT5Gb	aluminum	Lever	1.5	360	2.36	51.21	76	<2.5	R 3/4" male	0.5	15.4

Optional air tool line conditioner to displace moisture, Part No. 9109 (5 liters).

* Specifications subject to change

Performance data at an operating pressure of 90 PSI.

Clamps available for 90° cutting. Model No. 5 1208 9980 self-feeding clamp for roll throttle model 5 1212 001C. Contact us for more information.

Pipe Cutting Machine - Pneumatic

- Low-speed cutting for pipes up to 96" dia.
- Ideal for materials, including:
 - Ductile iron
 - Concrete
 - Cement
 - Clay
 - Non-ferrous metal
 - Plastics
 - PE
 - PVC
 - GRP
- Operating pressure: 90 PSI



Order No.	ATEX Specification	Power	Air consumption	Max. saw blade dia.	Tool holder	Speed	Max. cutting depth	Height	Noise level LpA	Vibration level	Weight
		HP	CFM	in.	in.	rpm	in.	in.	dB(A)	m/s ²	lbs.
5 8022 005C	II2GExhIICT6Gb	2.4	78	7.09	0.87 / 1.18	350	1.97	9.84	98	<2.5	28.7

Optional air tool line conditioner to displace moisture, Part No. 9109 (5 liters).

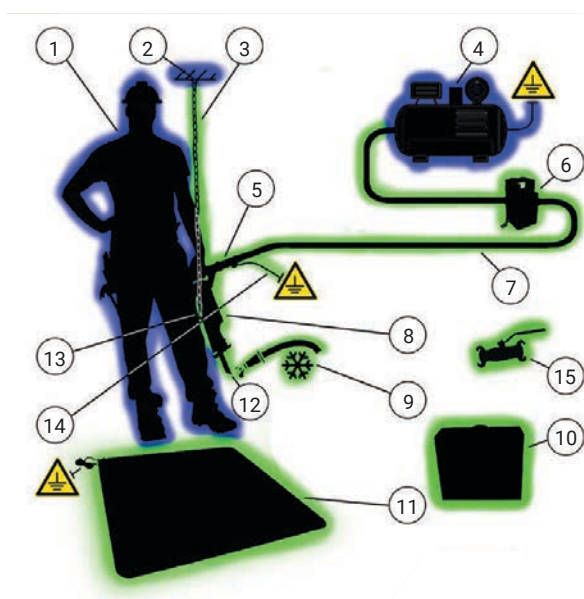
* Specifications subject to change

Performance data at an operating pressure of 90 PSI.

Carriages and chain tensioners for 5 8022 005C pipe cutting machine models are specific to hydrogen applications. Contact us for more information

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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Item	Hazard			Description	Notes
	Sparks	Static Charge	Heat		
1	●	●		Personal protective equipment	- All components used must meet the safety requirements for use in the ATEX zone IIC. - The employer must ensure that only approved components are used. - The assessment and assignment of the risk category must be done by the employer. - The employer must ensure the proper condition of the tools and components at all times. - Before each use, a skilled person has to check the safety devices, components, tools, and PPE with regard to their proper condition for use. - Damaged and inappropriate components have to be removed immediately from the hazardous area
2	●	●		Suspension	
3	●	●		Retaining chain with hook	
4	●	●	●	Air compressor	
5	●	●		Nipple assembly	
6	●	●		Service unit	
7	●	●		Pneumatic hose	
8	●	●	●	Machine	
9	●		●	Water cooling	
10	●	●		ESD carrying case	
11		●		ESD safety mat	
12	●	●	●	Tool	
13	●	●		Butt strap	
14	●	●		Grounding cable	
15	●	●	●	Ball valve assembly	

Grounding Cable

- Prevent potential sparks from static electricity

9 3707 0020 Grounding cable, 5' in length including gripper

* Specifications subject to change



Butt Strap

- Mounts directly on reciprocating saw and impact wrenches

5 1217 7080 For 5 1217 001C reciprocating saw

6 1316 9020 For 6 1316 004C and 6 1316 005C impact wrenches

6 1410 9020 For 6 1410 001C impact wrench

* Specifications subject to change



Nipple Assembly

- Mounts on air inlet for connecting grounding cable

9 2205 2330 R1/4" male - R1/4" female connecting thread

9 2205 2340 R3/8" male - R3/8" female connecting thread

9 2205 2320 R1/2" male - R1/2" female connecting thread

9 2205 2350 R3/4" male - R3/4" female connecting thread

* Specifications subject to change

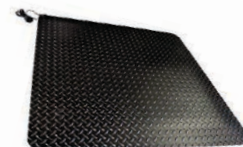


Safety Mat

- Non-slip electrostatic discharge safety mat (R9 to DIN 51130 and BG rule BGR181)
- Includes grounding cable

9 9911 0170 36" x 36" x 1/2" antistatic mat with grounding cable

* Specifications subject to change



Electrostatic Discharge Carrying Case

- Powder coated
- Antistatic lining

9 9910 006C For models 2 1362, 2 2404, 5 1217, 3 6212, 6 1014, 6 1055, 6 1056, 6 1057, 6 1061, 6 1034, 6 1316 and 6 1410

9 9910 011C For models 5 6031, 5 1212, 5 8022 and 2 2080

* Specifications subject to change



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SPECIAL TOOLS FOR UNDERWATER USE

Hydraulic- and pneumatic-powered tools for use in subsea applications, including construction, maintenance, demolition and salvage applications in and around shipyards, offshore oil, power plants and other underwater jobsites.

Reciprocating Saws



Air • Hydraulic

- Best power-to-weight ratios in the industry
- Optional clamps for 90° cutting



Scan to view complete line of hydraulic and pneumatic tools for use underwater.

Chain Saws



Air • Hydraulic

- Bars up to 40" in length
- Chain brakes for operator safety

Hacksaws



Air • Hydraulic

- Cut up to 30" dia. pipe
- Fully-sealed hydraulic model – safer for use in nuclear power plants and sensitive jobsites

Band Saws



Hydraulic • Air

- Cut up to 8" dia.
- Optional vice clamps available

Pipe Cutting Machines



Air • Hydraulic

- Cut pipe up to 96" dia.
- Cut underground with minimal excavation

Circular Saws



Air • Hydraulic

- Up to 12-5/8" dia.
- Cut concrete and metal

Magnetic Drills



Hydraulic • Air

- Drill holes up to 4" dia.
- Tap holes up to 1" dia.

Diamond Core Drills



Air • Hydraulic

- Holes up to 12" in concrete, reinforced concrete and asphalt
- Rugged 3-speed gearboxes

Rotary Hammer Drills



Air • Hydraulic

- Use to drill concrete, brick, masonry, steel and wood
- SDS Plus and SDS Max models

Grinders



Hydraulic

- For use with a variety of wheels, brushes and attachments

CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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CAUTION: The user is responsible for following all safety regulations (OSHA, etc.) when choosing the appropriate tool for the hazards present.

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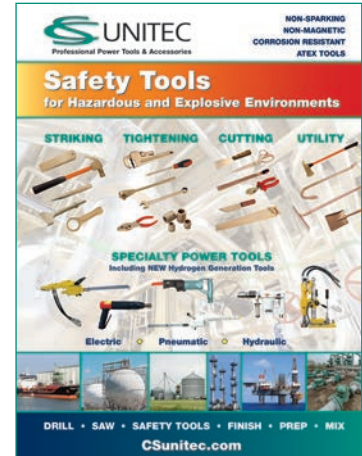
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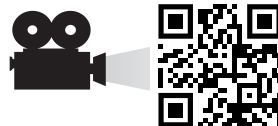


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