



Since 1956

NON-SPARKING NON-MAGNETIC SAFETY TOOLS

If you just had the right tools...

**ATEX
DNV**

IQNet

ISO 9001:2000

ISO 14001:2004

OHSAS 18001:1999

*High Quality Non-Sparking &
Non-Magnetic
Carltsø Safety Tools.*

*For use in hazardous
environments.*

*For use in all ATEX zones.
For use in all Ex zones.*

Wrenches
Pliers
Hammers
Punches
Chisels

Sockets and Accessories
Screwdrivers
Files, Scissors, Saw
Scrapers

Shovels
Brushes
Clamps and Additional Tools
Toolkit



Carlsoe Safety Tools

Welcome to the world of Carlsoe Safety Tools.

We make your workplace Safer.

If you just had the right Tools.....



Carltsø Non-Sparking Tools

Carltsø Safety Tools products are marketed worldwide and are used where there is a serious risk of fire or explosion, or where there is a particular demand for specially designed non sparking, non magnetic or corrosion-resistant tools.

Carltsø non sparking tools are an ideal choice for use in the hazardous environments of the offshore industry, such as natural-gas installations, oil tankers, gas works, oil drilling platforms, oil refineries, petrochemical plants and shipyards. They are also ideal for other fields that are also characterised by the need for safety tools, such as aircraft factories, ammunition factories, dye and varnish factories, etc.

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Only a few companies throughout the world manufacture non sparking safety tools, Carltsø Safety Tools is one of the leading manufacturers in this field.

Carltsø Safety Tools are used by several international companies for whom safe tools are a necessity.

Quality and control are key words at Carltsø.

Every product is quality-checked and tested before leaving the factory. In this way, Carltsø Safety Tools meet all the quality demands required for safety tools.



**ISO 9001
BUREAU VERITAS
Certification**





Manufacturing High-quality Non-sparking, Non-magnetic and Non-corrosive Carlsoe Safety Tools since 1956. With more than 50 years of experience, **Carlsoe Safety Tools** is the leader of special Copper Alloy Safety Hand Tools manufactured for use in any high risk area where a spark can create a disaster.

Carlsoe 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. **Carlsoe Non-Sparking Safety Tools** are an inexpensive investment for your company.

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

Carlsoe Corrosion Resistant Safety Tools are the ideal choice when working in marine and offshore environments. Corrosion / 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 **Carlsoe Safety Tools** keeps the Tools in clean working order. Like other personal protection equipment, is it each user's duty to inspect the Tools before use

Carlsoe offers over 3000 individual Tools made from Special Solid Copper-Based Alloyed Tools. We manufacture and supply our **Carlsoe Safety Tools** in two different alloys: Copper-Beryllium Alloy (CuBe2) and a Special Aluminium-Bronze Alloy (AlBr).

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

Carlsoe Aluminium-Bronze Tools (AlBr) fulfill the demand in the European ATEX directive for work in Zones 1 and 2 (Gas, Mists or Vapors). Zones 21 and 22 (Dusts).

Gas, Mists or Vapors

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

Dusts

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

All **Carlsoe Safety Tools** are laser engraved according to Ex/ATEX classifications and our own marking procedure. ATEX guidelines will be provided upon request.

Product liability, quality control, testing and customer service are a priority at **Carlsoe**.

Carlsoe is an ISO9001:2000 certified company, and our Tools are recommended and certified by several international organizations such as BVQI, DNV, Force Technologies and the Danish Navy.

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

Because of the heat treatment processes, **Carlsoe Copper-Beryllium Tools** (CuBe2) have a Rockwell C hardness between 33 - 45. **Carlsoe Aluminium-Bronze Tools** have a Rockwell C Hardness between 23 - 35.

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

All Box/Ring Ended **Carlsoe Safety Tools** are manufactured with Carlsoe's Round Corner.

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

All **Carlsoe** 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 Standard.

If you don't see it; ask. **Carlsoe** manufactures custom designs upon request.

There is a **Carlsoe Safety Tool** Kit for any job:

Socket Sets

Wall-mounted Carlsoe Tool Kit

Custom Designed Tool Kit

Heavy Duty ABS Plastic Boxes

Wood Boxes

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

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

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

ATEX information:

http://ec.europa.eu/enterprise/atex/guide/atexguidelines_may2007.pdf

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

Carlsoe Safety Tools should not be used in contact with acetylene. Acetylene may react with copper to form an explosive acetylides. Tools containing less than fifty percent copper, may be used in an acetylene environment.



Carlsoe 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.

Carlsoe Non-Sparking Safety Tools are an inexpensive investment for your company. Industries whom should consider the need of Carlsoe Safety Tools because of its

Non-Sparking properties:

Manufacturing Industries:

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

Transportation Industries and their Maintenance, Cleaning & Service Companies:

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

Governmental Agencies:

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

Other Industries:

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

Industries whom should consider the need of Carlsoe Safety Tools because of its Non-Magnetic properties:

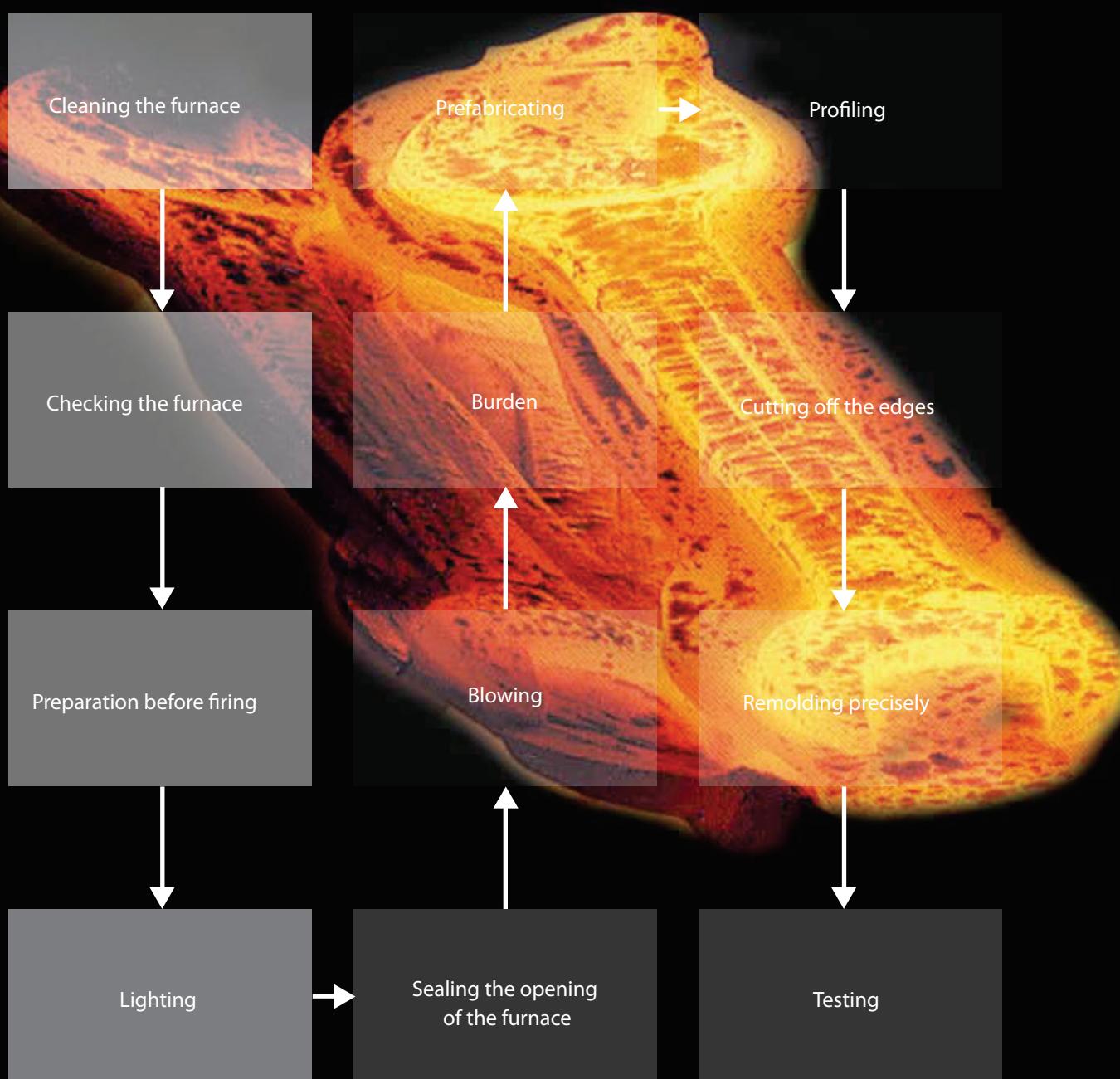
- Aircraft Maintenance & Overhaul
- Aluminium & Other Metal Smelting
- Electronics Manufacturers
- Hospitals & Clinics Magnetic Resonance Imaging
- MRI- Maintenance
- Mine Sweepers
- Nuclear Products & Testing Machines
- Precision Magnetic Equipment
- Public Utilities: Gas, Electric & Tele
- Radar Transmission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

Industries whom should consider the need of Carlsoe Safety Tools because of its Corrosion Resistant properties:

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

Advanced forging technology ensures all of our products high quality and refined appearance.

The liquid forging technology procedures are:



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 9 Ex108 Hammer, Club
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 11 Ex1041 Hammer, Cross Peen Engineers' / Blacksmiths'
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 12 Ex110S Wrench, Bung, For 22 Different Bungs
 12 Ex118A Saw, Hand Frame
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 14 Ex119 Saw, Hand (8 teeth/inch)
 14 Ex200 Wrench, Striking, Open End
 15 Ex201B Wrench, Striking, Box, 12-Point (DIN7444)
 16 Ex201 Wrench, Single End, Box, 12-Point
 16 Ex201F Wrench, Striking Box, Offset, 12-Point
 17 Ex202S Wrench, Box End, Double, Offset Type, 12-Point
 17 Ex202 Wrench, Box End, Double Straight Type, 12-Point
 18 Ex202F Wrench, Box End, Double, Offset Type, 12-Point
 19 Ex203 Wrench, Open End, Double
 19 Ex204D Wrench, Box End, 12-Point (DIN3111)
 20 Ex204 Wrench, Box End, 6-Point
 20 EX204S Wrench, Construction, With Pin, (Ring End)
 20 Ex205S Wrench, Construction, With Pin, (Open End)
 21 Ex205 Wrench, Open End
 21 Ex207F Valve Wheel Hook
 22 Ex206 Wrench, Combination
 22 Ex207 Wrench, Valve
 23 Ex207S Wrench, Valve Wheel (DIN87311)
 23 Ex207ES Wrench, Valve Wheel
 23 Ex208S Wrench, Spanner Adjustable
 23 Ex208DH Wrench, Adjustable For Double Hole
 24 Ex208 Wrench, Spanner, Fixed (DIN1810)
 24 Ex209L Wrench, Allen / Hex Key (Ball Point, Long Type)
 26 Ex209 Wrench, Allen / Hex Key (DIN911)
 26 Ex209S Allen / Hex Key, Screwdriver Handle
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 27 Ex211 Clamp, Grounding
 27 Ex212 Wrench, Gas Tube
 27 Ex213 Wrench, Bung
 27 Ex216 Extension For Box Wrench
 28 Ex215 Wrench, Box, For Extension

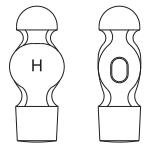
28 Ex301 Drift, Cylindrical
 30 Ex301C Drift Pin, Straight Type
 30 Ex301P Punch, Pin
 31 Ex302 Scriber / Marking Tool
 31 Ex303 Punch, Center
 31 Ex304 Chisel, Hand
 32 Ex304A Chisel, 6-Point
 32 Ex304S Chisel, 8-Point
 32 Ex305 Chisel, Cape
 33 Ex306 Chisel, Bull Point
 33 Ex307 Chisel, Diamond Point
 33 Ex308A Caulking Tool
 34 Ex308 Non-Sparking Needle For Air
 Needle Scalers
 34 Ex308B Caulking Tool
 34 Ex309CP Chisel, For Machines
 34 Ex309RP Chisel, For Machines
 36 Ex401 Scraper Flat
 36 Ex402 Scraper, Angle
 36 Ex402B Scraper, Angle
 36 Ex403 Scraper, Triangular
 37 Ex405 Scraper, Deck
 37 Ex406 Scraper, Plate
 37 Ex407S Scraper, Handle Sold Separately
 37 Ex407 Scraper, Long Blade, Handle
 Sold Separately
 38 Ex408 Knife, Putty / Hand Scraper
 38 Ex409 Knife, Common
 38 Ex410 Knife, Common
 38 Ex410S Knife, Common
 39 Ex411 File, Half Round, Bastard
 39 Ex411R File, Round
 39 Ex411F File, Flat, Bastard
 40 Ex501 Wrench, Adjustable End
 40 Ex502 Wrench, Pipe, (American Type)
 40 Ex503 Wrench, Monkey
 41 Ex504 Wrench, Ratchet
 41 Ex504S Wrench, Ratchet
 41 Ex505 Pliers, Swedish (DIN 5234)
 42 Ex600 Wrench, Chain Pipe
 42 Ex601 Pliers, Diagonal Cutting
 42 Ex601HD Pliers, Diagonal Cutting, Heavy Duty
 42 Ex602 Pliers, Pipe
 44 Ex603 Pliers, Cutting
 44 Ex604 Pliers, Groove Joint
 44 Ex604S Pliers, Groove Joint, (DIN ISO 8976C)
 44 Ex605 Pliers, Adjustable Combination
 45 Ex606 Pliers, Flat Nose (DIN ISO 5745)
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 45 Ex608 Shears, Cutting
 45 Ex609 Scissors
 45 Ex609A Scissors
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 46 Ex610 Tweezer
 46 Ex610S Tweezer
 46 Ex611 Pliers, Long-Nose W/Side Cutter
 (DIN ISO 5745)
 47 Ex612 Pliers, Lineman's, Side Cutting
 47 Ex701 Wrench, Socket, L-Type, 6-Point
 48 Ex702 Wrench, Socket, T-Type, 12-Point
 48 Ex801 Screwdriver, Standard
 48 Ex801S Screwdriver, Striking
 49 Ex802 Screwdriver, Offset
 49 Ex803 Screwdriver, Phillips
 49 Ex900 Shackle
 49 Ex901 Clamp, C-Type
 50 Ex902 Parallel Vice
 50 Ex903 Chain Block / Hoist
 50 Ex903T Trolley For Chain Block / Hoist (One Track)
 52 Ex1000 Brush, Cup
 52 Ex1001 Brush, Straight Handle, Scratch
 52 Ex1002 Brush, Flat Back, Scratch
 52 Ex1003 Brush, Wheel
 53 Ex1004 Dust Pan
 53 Ex1005 Shovel, Square Point With Long Handle
 53 Ex1006 Shovel, Round Point With Long Handle
 53 Ex1007 Spade, Edging With D-Grip
 54 Ex1008 Pick, Railroad or Clay
 54 Ex1009 Rake
 54 Ex1010 Fork, Garden (Handle included)
 54 Ex1013 Drum Opener, Carbide
 55 Ex1014 Scraper, Pick and Scaler
 55 Ex1015 Hoe, Planter's / Mixing, Angled Blade
 (Handle included)
 55 Ex1017 Bucket
 55 Ex1101 Wedge, Flange
 56 Ex1102 Flange Spreader
 56 Ex1201 Axe
 56 Ex1202 Hatchet
 56 Ex1301 Bar, Pinch
 58 Ex1302 Angle Tracing Point
 58 Ex1303 Bar, Crow
 58 Ex1501S Wrench, Ratchet
 59 Ex1501 Wrench, Ratchet
 59 Ex1502 Bar, Sliding
 59 Ex1503AA Socket 1/4" Drive
 60 Ex1503A Socket 3/8" Drive
 60 Ex1503B Socket 1/2" Drive
 61 Ex1503D Socket 3/4" Drive
 61 Ex1503C Socket 1" Drive
 62 Ex1503IA Socket, Impact 3/8" Drive
 62 Ex1503IB Socket, Impact 1/2" Drive
 63 Ex1503IC Socket, Impact 3/4" Drive
 63 Ex1503ID Socket, Impact 1 1/2" Drive
 63 Ex1503IE Socket, Impact 1 1/2" Drive
 64 Ex1504S Driver Handle
 64 Ex1504 Bar, Extension
 65 Ex1505 Wrench Handle, Speed
 65 Ex1506 Wrench Handle, Hinged
 67 Ex1507 Universal Joint
 67 Ex1508 Offset Grip Handle
 67 Ex1509 Adapter / Converter
 68 Ex1512 Pipe Cutter
 68 Ex1601 Ruler
 68 Ex1602 Flashlight
 69 Ex1500 Box For Set Of Sockets
 69 Ex2000 Tool Kit, Wooden Box
 69 Ex3000 Tool Kit, Wooden Box
 69 Ex4000 Tool Kit, Wooden Box

Carlsoe Striking Tools

- Fiberglass Handle or Wood Handle / Your choice.
- Drop Forging ensures a long life time.

Ex101

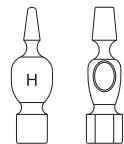
Hammer, Ball Peen



No.	Ex101-0200	Ex101-0500	Ex101-0700	Ex101-0900	Ex101-1130
H g	200	500	700	900	1130
H lbs.	0.44	1.10	1.54	1.98	2.49

Ex102

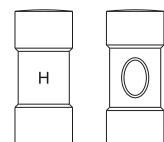
Hammer, Cross Peen Engineers'



No.	Ex102-0500	Ex102-0900
H g	500	900
H lbs.	1.10	1.98

Ex103

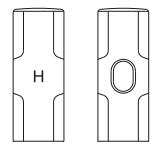
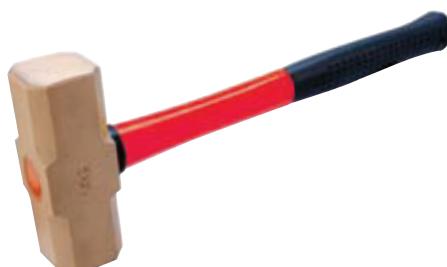
Hammer, Double Face Machinists'



No.	Ex103-0500
H g	500
H lbs.	1.10

Ex104

Hammer, Sledge



No.	Ex104-1000	Ex104-1500	Ex104-2000	Ex104-2500	Ex104-3000	Ex104-4000	Ex104-5000	Ex104-6000	Ex104-8000	Ex104-10000
H g	1000	1500	2000	2500	3000	4000	5000	6000	8000	10000
H lbs.	2.20	3.31	4.41	5.51	6.61	8.81	11.02	13.23	17.64	22.05

Carlsoe Safety Tools

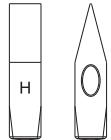
Ex105 Hammer, Cutoff
 Ex106 Hammer, Scaling
 Ex107 Wedge, Stone
 Ex108 Hammer, Club

09



Ex105

Hammer, Cutoff



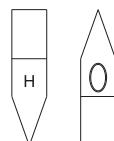
Ex105

Hammer, Cutoff

No.	Ex105-1300	Ex105-2000
H g	1300	2000
H lbs.	2.87	4.41

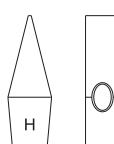
Ex106

Hammer, Scaling



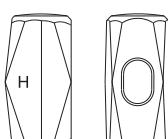
Ex107

Wedge, Stone



Ex108

Hammer, Club



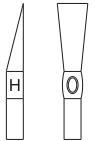
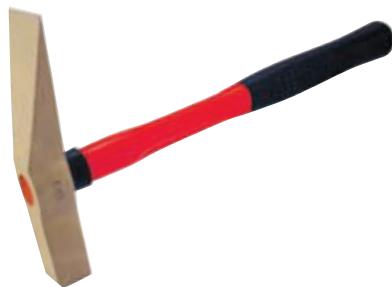
Ex108

Hammer, Club

No.	Ex108-1000	Ex108-1500	Ex108-2000	Ex108-3000
H g	1000	1500	2000	3000
H lbs.	2.20	3.31	4.41	6.61

Ex112

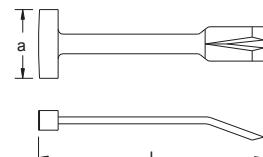
Hammer, Bricklayers'



No.	Ex112-0700	Ex112-0900
H g	700	900
H lbs.	1.54	1.98

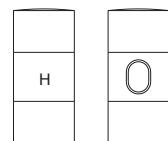
Ex113S

Crate Opener



Ex121

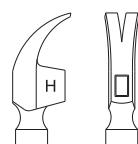
Hammer, Plastic



No.	Ex121-0450	Ex121-1000
H g	450	1000
H lbs.	0.99	2.20

Ex122

Hammer, Claw



No.	Ex122-0500	Ex122-0700
H g	500	700
H lbs.	1.10	1.54

Carlsoe Safety Tools

Ex1041
Ex6475
Ex110
Hammer, Cross Peen Engineers' / Blacksmiths'
Hammer, Sledge, German Type
Wrench, Bung



11

Ex1041

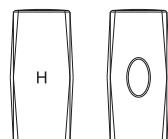
Hammer, Cross Peen Engineers' / Blacksmiths'



No.	Ex1041-0100	Ex1041-0200	Ex1041-0300	Ex1041-0500	Ex1041-0800	Ex1041-1000	Ex1041-1500	Ex1041-2000
H g	100	200	300	500	800	1000	1500	2000
H lbs.	0.22	0.44	0.66	1.10	1.76	2.20	3.31	4.41

Ex6475

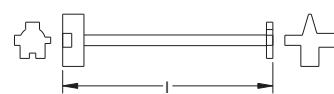
Hammer, Sledge German Type



No.	Ex6475-1000	Ex6475-1500	Ex6475-2000	Ex6475-2500	Ex6475-3000	Ex6475-4000	Ex6475-5000	Ex6475-6000	Ex6475-8000	Ex6475-10000
H g	1000	1500	2000	2500	3000	4000	5000	6000	8000	10000
H lbs.	2.20	3.31	4.41	5.51	6.61	8.81	11.02	13.23	17.64	22.05

Ex110

Wrench, Bung

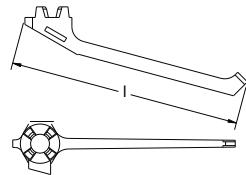


No.	mm	kg	inch	Wt. lbs.
Ex110-400	400	1.94	15 ³ / ₄	4.28

Ex110ES

Wrench, Bung

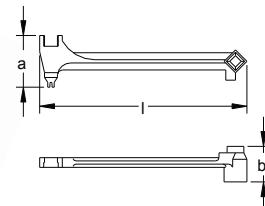
Fits 3/4" & 2" Bungs



Ex110S

Wrench, Bung

For 22 Different Bungs



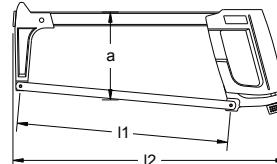
Ex110S-385

Ex110S-385

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

Ex118A

Saw, Hand Frame



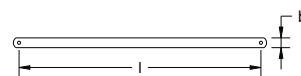
Ex118A-300

Ex118A-300

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

Ex118B

Saw Blade, Hack



Ex118B-300

Ex118B-300

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



Carlsoe Round Corner Shape

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

Ex119

Saw, Hand (8 teeth/inch)



No.	a mm	l mm	$\frac{a}{l}$ kg	a inch	l inch	Wt. lbs.
Ex119-600	600	680	0.51	24	27 ³ / ₁₆	1.12

Ex200

Wrench, Striking, Open End



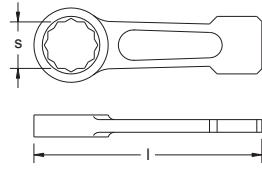
No.	s mm	l mm	$\frac{s}{l}$ kg
Ex200-17	17	140	0.18
Ex200-18	18	140	0.18
Ex200-19	19	140	0.19
Ex200-22	22	150	0.26
Ex200-24	24	160	0.33
Ex200-26	26	180	0.43
Ex200-27	27	180	0.43
Ex200-28	28	180	0.43
Ex200-29	29	190	0.53
Ex200-30	30	190	0.53
Ex200-32	32	195	0.58
Ex200-35	35	210	0.85
Ex200-36	36	210	0.85
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

No.	s inch	l inch	Wt. lbs.
Ex200-11/16	11/16	5 ⁹ / ₁₆	0.40
Ex200-3/4	3/4	5 ⁹ / ₁₆	0.42
Ex200-7/8	7/8	6	0.57
Ex200-15/16	15/16	6 ³ / ₈	0.73
Ex200-1	1	7 ³ / ₁₆	0.95
Ex200-1.1/16	11/16	7 ³ / ₁₆	0.95
Ex200-1.1/8	11/8	7 ³ / ₁₆	0.95
Ex200-1.3/16	13/16	7 ⁹ / ₁₆	1.17
Ex200-1.1/4	11/4	7 ⁹ / ₁₆	1.17
Ex200-1.5/16	15/16	7 ³ / ₄	1.28
Ex200-1.3/8	13/8	8 ³ / ₈	1.87
Ex200-1.7/16	17/16	8 ³ / ₈	1.87
Ex200-1.1/2	11/2	8 ³ / ₈	2.16
Ex200-1.5/8	15/8	9	2.29
Ex200-1.11/16	111/16	9	2.43
Ex200-1.13/16	113/16	9	3.26
Ex200-2	2	113/16	3.77
Ex200-2.1/16	21/16	113/16	4.85
Ex200-2.3/16	23/16	123/8	4.85
Ex200-2.1/4	21/4	123/8	4.85
Ex200-2.3/8	23/8	123/4	6.08
Ex200-2.1/2	21/2	14	9.61
Ex200-2.9/16	29/16	14	9.61
Ex200-2.3/4	23/4	15	10.69
Ex200-3	3	153/4	12.26
Ex200-3.3/16	33/16	163/8	13.67
Ex200-3.3/8	33/8	169/16	14.33
Ex200-3.9/16	39/16	173/8	16.42
Ex200-3.3/4	33/4	18	17.86

Ex201B

Wrench, Striking, Box

12-Point (DIN7444)



No.	S mm	I mm	$\frac{\text{kg}}{\text{m}}$
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

No.	S inch	I inch	Wt. lbs.
Ex201B-11/16	11/16	59/16	0.40
Ex201B-3/4	3/4	59/16	0.40
Ex201B-13/16	13/16	63/8	0.49
Ex201B-7/8	7/8	63/8	0.49
Ex201B-15/16	15/16	63/8	0.60
Ex201B-1	1	63/8	0.60
Ex201B-1. 1/16	1 1/16	73/16	0.77
Ex201B-1. 1/8	1 1/8	73/16	0.77
Ex201B-1. 3/16	1 3/16	79/16	1.12
Ex201B-1. 1/4	1 1/4	79/16	1.12
Ex201B-1. 5/16	1 5/16	73/4	1.17
Ex201B-1. 3/8	1 3/8	83/16	1.23
Ex201B-1. 7/16	1 7/16	83/16	1.23
Ex201B-1. 1/2	1 1/2	9	1.79
Ex201B-1. 5/8	1 5/8	9	1.79
Ex201B-1. 11/16	1 11/16	9	1.79
Ex201B-1. 13/16	1 13/16	99/16	2.71
Ex201B-1. 7/8	1 7/8	99/16	2.71
Ex201B-2	2	10	2.87
Ex201B-2. 1/16	2 1/16	10	3.77
Ex201B-2. 3/16	2 3/16	10 3/4	3.77
Ex201B-2. 3/8	2 3/8	10 3/4	4.25
Ex201B-2. 9/16	2 9/16	11 9/16	4.45
Ex201B-2. 3/4	2 3/4	12 3/4	6.13
Ex201B-3	3	13 3/8	6.44
Ex201B-3. 3/16	3 3/16	13 3/4	7.23
Ex201B-3. 3/8	3 3/8	14	9.24
Ex201B-3. 9/16	3 9/16	15	11.42
Ex201B-3. 3/4	3 3/4	15 3/8	11.60
Ex201B-4	4	16 3/8	13.89
Ex201B-4. 3/16	4 3/16	16 9/16	14.66



Carlsoe Safety Tools

Wrench, Single End, Box,12-Point
Wrench, Striking Box, Offset,12-Point

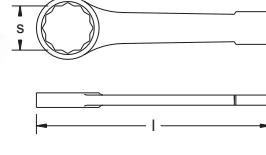
Ex201
Ex201F

16

Ex201

Wrench, Single End, Box

12-Point



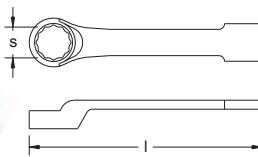
No.	S mm	I mm	$\frac{\text{kg}}{\text{m}}$
Ex201-17	17	177	0.15
Ex201-19	19	185	0.25
Ex201-22	22	200	0.37
Ex201-24	24	210	0.50
Ex201-27	27	210	0.50
Ex201-30	30	210	0.63
Ex201-32	32	215	0.69
Ex201-36	36	225	0.79
Ex201-41	41	240	1.07
Ex201-46	46	255	1.10
Ex201-50	50	265	1.13
Ex201-55	55	280	1.32
Ex201-60	60	290	1.47
Ex201-65	65	315	1.91
Ex201-70	70	330	2.09
Ex201-75	75	340	2.37
Ex201-80	80	360	2.84

No.	S inch	I inch	Wt. lbs.
Ex201-11/16	11/16	7 1/16	0.33
Ex201-3/4	3/4	7 3/8	0.55
Ex201-7/8	7/8	8	0.82
Ex201-15/16	15/16	8 3/8	1.10
Ex201-1 1/16	1 1/16	8 3/8	1.10
Ex201-1 3/16	1 3/16	8 3/8	1.39
Ex201-1 1/4	1 1/4	8 9/16	1.52
Ex201-1 7/16	1 7/16	9	1.74
Ex201-1 5/8	1 5/8	9 9/16	2.36
Ex201-1 13/16	1 13/16	10 3/16	2.43
Ex201-2	2	10 9/16	2.49
Ex201-2 3/16	2 3/16	11 3/16	2.91
Ex201-2 3/8	2 3/8	11 9/16	3.24
Ex201-2 9/16	2 9/16	12 9/16	4.21
Ex201-2 3/4	2 3/4	13 3/16	4.61
Ex201-3	3	13 9/16	5.22
Ex201-3 3/16	3 3/16	14 3/8	6.26

Ex201F

Wrench, Striking Box, Offset

12-Point



Carltsoe Safety Tools

Ex202S	Wrench, Box End, Double, Offset Type, 12-Point
Ex202	Wrench, Box End, Double Straight Type, 12-Point



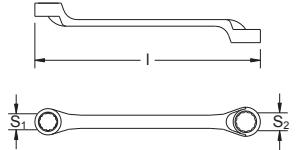
17



Ex202S

Wrench, Box End, Double

Offset Type, 12-Point



Ex202

Wrench, Box End, Double

Straight Type, 12-Point





Carltsøe Safety Tools

Wrench, Box End, Double, Offset Type, 12-Point

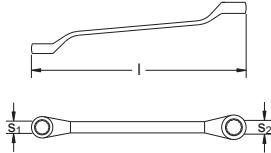
Ex202F

18

Ex202F

Wrench, Box End, Double

Offset Type, 12-Point



Carltsöe Safety Tools

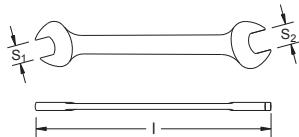
Ex203 Wrench, Open End, Double
Ex204D Wrench, Box End, 12-Point (DIN3111)



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Ex203

Wrench, Open End, Double

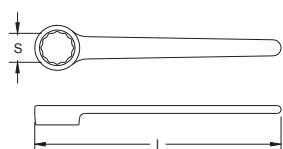


No.	S_1S_2 mm	I mm	$\frac{kg}{kg}$
Ex203-6-7	6X7	90	0.03
Ex203-6-8	6X8	90	0.03
Ex203-7-8	7X8	100	0.03
Ex203-7-9	7X9	100	0.03
Ex203-8-9	8X9	100	0.04
Ex203-8-10	8X10	100	0.04
Ex203-9-10	9X10	100	0.04
Ex203-9-11	9X11	120	0.06
Ex203-10-12	10X12	120	0.06
Ex203-11-14	11X14	130	0.06
Ex203-12-14	12X14	130	0.06
Ex203-13-15	13X15	135	0.10
Ex203-14-15	14X15	150	0.14
Ex203-14-17	14X17	150	0.14
Ex203-16-18	16X18	165	0.14
Ex203-17-19	17X19	165	0.19
Ex203-19-22	19X22	180	0.23
Ex203-20-22	20X22	180	0.23
Ex203-21-23	21X23	210	0.26
Ex203-22-24	22X24	210	0.29
Ex203-24-27	24X27	230	0.47
Ex203-25-28	25X28	230	0.43
Ex203-24-30	24X30	250	0.52
Ex203-27-30	27X30	250	0.53
Ex203-27-32	27X32	250	0.42
Ex203-30-32	30X32	250	0.43
Ex203-32-36	32X36	290	0.78
Ex203-36-41	36X41	315	1.04
Ex203-41-46	41X46	365	1.54
Ex203-46-50	46X50	370	1.73
Ex203-50-55	50X55	385	2.39
Ex203-55-60	55X60	415	2.81
Ex203-60-65	60X65	435	3.98

No.	S_1S_2 inch	I inch	Wt. lbs.
Ex203-1/4-5/16	1/4X5/16	39/16	0.07
Ex203-1/4-3/8	1/4X3/8	4	0.07
Ex203-5/16-3/8	5/16X3/8	4	0.09
Ex203-3/8-7/16	3/8X7/16	43/4	0.13
Ex203-7/16-9/16	7/16X9/16	53/16	0.14
Ex203-1/2-9/16	1/2X9/16	53/8	0.22
Ex203-9/16-5/8	9/16X5/8	6	0.31
Ex203-9/16-11/16	9/16X11/16	6	0.31
Ex203-5/8-11/16	5/8X11/16	69/16	0.31
Ex203-11/16-3/4	11/16X3/4	69/16	0.42
Ex203-3/4-7/8	3/4X7/8	73/16	0.51
Ex203-13/16-7/8	13/16X7/8	83/8	0.57
Ex203-7/8-15/16	7/8X15/16	83/8	0.64
Ex203-15/16-1.1/16	15/16X11/16	93/16	1.04
Ex203-1-1.1/8	1X1/8	93/16	0.95
Ex203-15/16-1.3/16	15/16X13/16	10	1.15
Ex203-1.1/16-1.3/16	11/16X13/16	10	1.17
Ex203-1.1/16-1.1/4	11/16X11/4	10	0.93
Ex203-1.3/16-1.1/4	13/16X11/4	10	0.95
Ex203-1.1/4-1.7/16	11/4X17/16	119/16	1.72
Ex203-1.7/16-1.5/8	17/16X15/8	129/16	2.29
Ex203-1.5/8-1.13/16	15/8X113/16	149/16	3.40
Ex203-1.13/16-2	113/16X2	143/4	3.81
Ex203-2.2.3/16	2X23/16	153/8	5.27
Ex203-2.3/16-2.3/8	23/16X23/8	169/16	6.20
Ex203-2.9/16-2.3/4	29/16X23/4	183/4	8.77

Ex204D

Wrench, Box End 12-Point (DIN3111)



No.	S mm	I mm	$\frac{kg}{kg}$
Ex204D-14	14	138	0.06
Ex204D-17	17	155	0.09
Ex204D-19	19	171	0.12
Ex204D-22	22	190	0.17
Ex204D-24	24	215	0.24
Ex204D-27	27	230	0.32
Ex204D-30	30	254	0.43

No.	S inch	I inch	Wt. lbs.
Ex204D-9/16	9/16	51/2	0.13
Ex204D-11/16	11/16	63/16	0.20
Ex204D-3/4	3/4	613/16	0.26
Ex204D-7/8	7/8	79/16	0.37
Ex204D-15/16	15/16	89/16	0.53
Ex204D-1.1/16	11/16	93/16	0.71
Ex204D-1.3/16	13/16	101/8	0.95



Carltsö Safety Tools

Wrench, Box End, 6-Point
Wrench, Construction, With Pin, (Ring End)
Wrench, Construction, With Pin, (Open End)

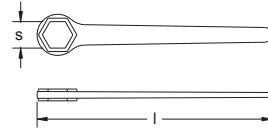
Ex204
EX204S
Ex205S

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Ex204

Wrench, Box End

6-Point



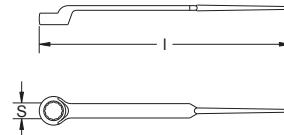
No.	S mm	I mm	kg
Ex204-17	17	165	0.12
Ex204-19	19	205	0.19
Ex204-20	20	205	0.22
Ex204-24	24	240	0.32
Ex204-27	27	240	0.38
Ex204-30	30	270	0.50
Ex204-32	32	270	0.62
Ex204-36	36	310	1.10
Ex204-41	41	375	1.20
Ex204-46	46	410	1.70

No.	S inch	I inch	Wt. lbs.
Ex204-11/16	11/16	69/16	0.26
Ex204-3/4	3/4	83/16	0.42
Ex204-15/16	15/16	99/16	0.71
Ex204-1 1/16	1 1/16	99/16	0.84
Ex204-1 3/16	1 3/16	103/4	1.10
Ex204-1 1/4	1 1/4	103/4	1.37
Ex204-1 7/16	17/16	123/8	2.43
Ex204-1 5/8	1 5/8	15	2.65
Ex204-1 13/16	1 13/16	163/8	3.75

Ex204S

Wrench, Construction

With Pin, (Ring End)



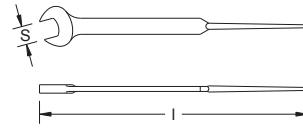
No.	S mm	I mm	kg
Ex204S-22	22	350	0.39
Ex204S-24	24	350	0.39
Ex204S-27	27	400	0.49
Ex204S-30	30	400	0.80
Ex204S-32	32	400	0.78
Ex204S-36	36	450	0.93
Ex204S-38	38	450	0.93
Ex204S-41	41	450	1.36
Ex204S-46	46	500	2.06
Ex204S-50	50	550	2.79

No.	S inch	I inch	Wt. lbs.
Ex204S-7/8	7/8	14	0.86
Ex204S-15/16	15/16	14	0.86
Ex204S-1 1/16	1 1/16	16	1.08
Ex204S-1 3/16	1 3/16	16	1.76
Ex204S-1 1/4	1 1/4	16	1.72
Ex204S-1 7/16	17/16	18	2.05
Ex204S-1 1/2	1 1/2	18	2.05
Ex204S-1 5/8	1 5/8	18	3.00
Ex204S-1 13/16	1 13/16	20	4.54
Ex204S-2	2	22	6.15

Ex205S

Wrench, Construction

With Pin, (Open End)



No.	S mm	I mm	kg
Ex205S-22	22	350	0.43
Ex205S-24	24	350	0.44
Ex205S-27	27	400	0.60
Ex205S-30	30	400	0.95
Ex205S-32	32	400	0.95
Ex205S-36	36	450	1.22
Ex205S-38	38	450	1.19
Ex205S-41	41	455	1.39
Ex205S-44	44	500	1.87
Ex205S-46	46	500	1.88

No.	S inch	I inch	Wt. lbs.
Ex205S-7/8	7/8	14	0.95
Ex205S-15/16	15/16	14	0.97
Ex205S-1 1/16	1 1/16	16	1.32
Ex205S-1 3/16	1 3/16	16	2.09
Ex205S-1 1/4	1 1/4	16	2.09
Ex205S-1 7/16	17/16	18	2.69
Ex205S-1 1/2	1 1/2	18	2.62
Ex205S-1 5/8	1 5/8	183/16	3.06
Ex205S-1 3/4	1 3/4	20	4.12
Ex205S-1 13/16	1 13/16	20	4.14

Carlsoe Safety Tools

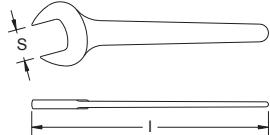
Ex205
Wrench, Open End
Valve Wheel Hook



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Ex205

Wrench, Open End

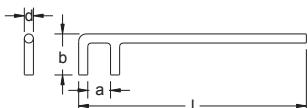


No.	S mm	l mm	$\frac{kg}{kg}$
Ex205-6	6	85	0.01
Ex205-7	7	90	0.02
Ex205-8	8	95	0.02
Ex205-10	10	105	0.04
Ex205-12	12	115	0.05
Ex205-13	13	120	0.06
Ex205-14	14	125	0.08
Ex205-16	16	135	0.11
Ex205-17	17	140	0.11
Ex205-19	19	155	0.15
Ex205-22	22	180	0.19
Ex205-24	24	200	0.24
Ex205-25	25	205	0.27
Ex205-27	27	225	0.33
Ex205-30	30	255	0.40
Ex205-32	32	275	0.52
Ex205-36	36	300	0.73
Ex205-38	38	310	0.79
Ex205-41	41	330	1.05
Ex205-46	46	370	1.29
Ex205-50	50	380	1.73
Ex205-55	55	400	2.30
Ex205-60	60	430	2.78

No.	S inch	l inch	Wt. lbs.
Ex205-1/4	1/4	3 3/8	0.02
Ex205-5/16	5/16	3 3/4	0.04
Ex205-3/8	3/8	4 3/16	0.09
Ex205-7/16	7/16	4 9/16	0.11
Ex205-1/2	1/2	4 3/4	0.13
Ex205-9/16	9/16	5	0.18
Ex205-5/8	5/8	5 3/8	0.24
Ex205-11/16	11/16	5 9/16	0.24
Ex205-3/4	3/4	6 3/16	0.33
Ex205-7/8	7/8	7 3/16	0.42
Ex205-15/16	15/16	8	0.53
Ex205-1	1	8 3/16	0.60
Ex205-1 1/16	1 1/16	9	0.73
Ex205-1 3/16	1 3/16	10 3/16	0.88
Ex205-1 1/4	1 1/4	11	1.15
Ex205-1 7/16	1 7/16	12	1.61
Ex205-1 1/2	1 1/2	12 3/8	1.74
Ex205-1 5/8	1 5/8	13 3/16	2.31
Ex205-1 13/16	1 13/16	14 3/4	2.84
Ex205-2	2	15 3/16	3.81
Ex205-2 3/16	2 3/16	16	5.07
Ex205-2 3/8	2 3/8	17 3/16	6.13

Ex207F

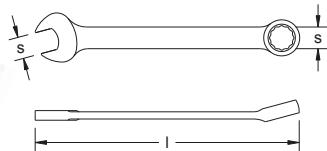
Valve Wheel Hook



No.	a mm	b mm	d mm	l mm	$\frac{kg}{kg}$	a inch	b inch	d inch	l inch	Wt. lbs.
Ex207F-30	30	56	13	300	0.44	1 3/16	2 1/4	1/2	12	0.96
Ex207F-35	35	61	13	350	0.50	1 3/8	2 7/16	1/2	14	1.11
Ex207F-40	40	72	16	400	0.87	1 9/16	2 7/8	5/8	16	1.93
Ex207F-45	45	77	16	450	0.98	1 3/4	3 1/16	5/8	18	2.15
Ex207F-50	50	88	19	500	1.54	2	3 1/2	3/4	20	3.39
Ex207F-60	60	104	22	600	2.47	2 3/8	4 1/8	7/8	24	5.44
Ex207F-70	70	120	25	700	3.71	2 3/4	4 3/4	1	28	8.18
Ex207F-80	80	136	28	800	5.31	3 3/16	5 7/16	11/8	32	11.72

Ex206

Wrench, Combination

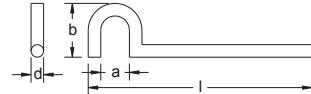


No.	S mm	l mm	$\frac{d}{kg}$
Ex206-6	6	90	0.02
Ex206-7	7	100	0.03
Ex206-8	8	105	0.03
Ex206-9	9	115	0.05
Ex206-10	10	125	0.05
Ex206-11	11	135	0.07
Ex206-12	12	140	0.09
Ex206-13	13	150	0.10
Ex206-14	14	160	0.13
Ex206-15	15	165	0.14
Ex206-16	16	175	0.15
Ex206-17	17	180	0.17
Ex206-18	18	195	0.21
Ex206-19	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

No.	S inch	l inch	Wt. lbs.
Ex206-1/4	1/4	39/16	0.05
Ex206-5/16	5/16	43/16	0.07
Ex206-3/8	3/8	49/16	0.10
Ex206-7/16	7/16	53/8	0.15
Ex206-1/2	1/2	6	0.22
Ex206-9/16	9/16	63/8	0.29
Ex206-5/8	5/8	7	0.33
Ex206-11/16	11/16	73/16	0.37
Ex206-3/4	3/4	83/16	0.51
Ex206-13/16	13/16	93/16	0.60
Ex206-7/8	7/8	93/4	0.66
Ex206-15/16	15/16	109/16	0.90
Ex206-1	1	119/16	1.28
Ex206-1.1/16	11/16	119/16	1.28
Ex206-1.1/8	11/8	123/4	1.39
Ex206-1.3/16	13/16	123/4	1.39
Ex206-1.1/4	11/4	133/8	1.74
Ex206-1.3/8	13/8	14	2.03
Ex206-1.7/16	17/16	14	2.05
Ex206-1.1/2	11/2	143/8	2.73
Ex206-1.5/8	15/8	143/4	3.22
Ex206-1.13/16	113/16	163/16	3.70
Ex206-2	2	163/4	4.23
Ex206-2.3/16	23/16	173/8	5.11
Ex206-2.3/8	23/8	189/16	5.71
Ex206-2.9/16	29/16	183/4	6.35
Ex206-2.3/4	23/4	193/16	7.47

Ex207

Wrench, Valve



No.	a mm	b mm	d mm	l mm	$\frac{d}{kg}$	$\frac{a}{inch}$	$\frac{b}{inch}$	$\frac{d}{inch}$	$\frac{l}{inch}$	Wt. lbs.
Ex207-30	30	56	13	200	0.30	13/16	21/4	1/2	8	0.66
Ex207-32	32	60	14	250	0.42	11/4	23/8	9/16	10	0.93
Ex207-36	36	66	15	270	0.52	17/16	25/8	9/16	103/4	1.15
Ex207-41	41	73	16	300	0.66	15/8	27/8	5/8	12	1.46
Ex207-50	50	86	18	320	0.92	2	37/16	11/16	123/4	2.02

Carltsøe Safety Tools

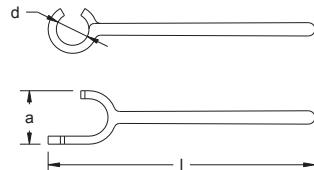
Ex207S
Wrench,Valve Wheel (DIN87311)
Ex207ES
Wrench, Valve Wheel
Ex208S
Wrench, Spanner Adjustable
Ex208DH
Wrench, Adjustable For Double Hole

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Ex207S

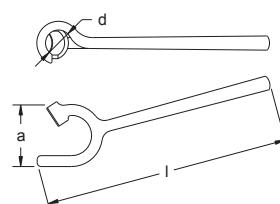
Wrench, Valve Wheel (DIN87311)



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

Ex207ES

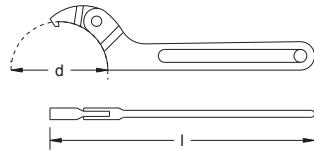
Wrench, Valve Wheel



No.	d mm	a mm	l mm	$\frac{d}{kg}$	d inch	a inch	l inch	Wt. lbs.
Ex207ES-215	24	56	215	0.24	15/16	2 1/4	8 9/16	0.53

Ex208S

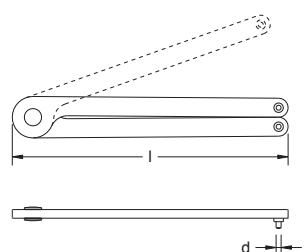
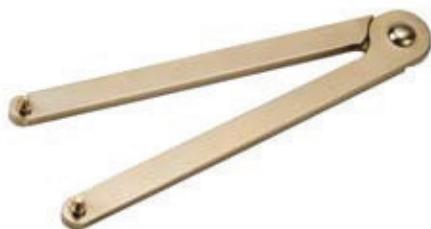
Wrench, Spanner Adjustable



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

Ex208DH

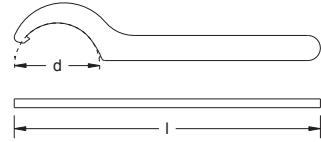
Wrench, Adjustable For Double Hole



No.	d mm	l mm	$\frac{d}{kg}$	d inch	l inch	Wt. lbs.
Ex208DH-2.9	2.9	160	0.14	1/8	6 3/8	0.31

Ex208

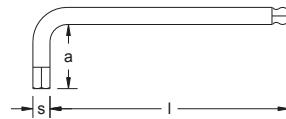
Wrench, Spanner, Fixed (DIN1810)



No.	d mm	l mm	$\frac{d}{kg}$	d inch	l inch	Wt. lbs.
Ex208-12/14	12/14	103	0.03	7/16-9/16	4 1/8	0.07
Ex208-16/18	16/18	104	0.03	5/8-11/16	4 1/8	0.07
Ex208-16/20	16/20	104	0.03	5/8-3/4	4 1/8	0.07
Ex208-20/22	20/22	105	0.03	3/4-7/8	4 3/16	0.07
Ex208-25/28	25/28	126	0.05	1-1 1/8	5 3/64	0.11
Ex208-30/32	30/32	128	0.05	13/16-1 1/4	5 1/8	0.11
Ex208-34/36	34/36	160	0.10	1 3/8-1 7/16	6 3/8	0.22
Ex208-40/42	40/42	161	0.10	19/16-1 11/16	6 7/16	0.22
Ex208-45/50	45/50	193	0.18	13/4-2	7 11/16	0.40
Ex208-52/55	52/55	195	0.18	2 1/16-2 3/16	7 3/4	0.40
Ex208-58/62	58/62	227	0.29	2 5/16-2 7/16	9 1/16	0.64
Ex208-68/75	68/75	230	0.29	2 11/16-3	9 3/16	0.64
Ex208-80/90	80/90	266	0.45	3 3/16-3 9/16	10 5/8	0.99
Ex208-95/100	95/100	271	0.44	3 3/4-4	10 13/16	0.97
Ex208-110/115	110/115	315	0.82	4 3/8-4 9/16	12 9/16	1.81
Ex208-120/130	120/130	319	0.82	4 3/4-5 3/16	12 3/4	1.81
Ex208-135/145	135/145	363	1.32	5 3/8-5 3/4	14 1/2	2.91

Ex209L

Wrench, Allen / Hex Key Ball Point, Long Type



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

No.	S inch	a inch	l inch	Wt. lbs.
Ex209L-1/16	1/16	9/16	3 1/2	0.006
Ex209L-5/64	5/64	5/8	3 15/16	0.014
Ex209L-3/32	3/32	11/16	4 3/8	0.016
Ex209L-1/8	1/8	3/4	5	0.031
Ex209L-5/32	5/32	1	5 9/16	0.057
Ex209L-3/16	3/16	1 1/8	6 3/16	0.093
Ex209L-7/32	7/32	1 1/4	7	0.15
Ex209L-1/4	1/4	1 3/8	7 1/2	0.20
Ex209L-5/16	5/16	1 7/16	8	0.32
Ex209L-7/16	7/16	1 3/4	10 5/16	0.82
Ex209L-1/2	1/2	2 1/4	11	1.39

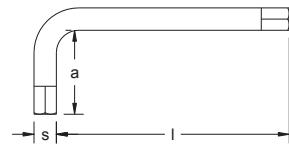


Ergonomic Handles

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

Ex209

Wrench, Allen / Hex Key (DIN911)

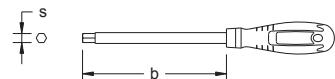


No.	<i>s</i> mm	<i>a</i> mm	<i>l</i> mm	$\frac{\delta}{\delta}$ kg
Ex209-1.5	1.5	14	45	0.0016
Ex209-2	2	16	50	0.0038
Ex209-2.5	2.5	18	56	0.0044
Ex209-3	3	20	63	0.008
Ex209-4	4	25	70	0.014
Ex209-5	5	28	80	0.024
Ex209-6	6	32	90	0.038
Ex209-7	7	34	95	0.052
Ex209-8	8	36	100	0.084
Ex209-10	10	40	112	0.134
Ex209-12	12	45	125	0.214
Ex209-14	14	56	140	0.348
Ex209-17	17	63	160	0.56
Ex209-19	19	70	180	0.76
Ex209-22	22	80	200	1.25
Ex209-24	24	90	224	1.63
Ex209-27	27	100	250	2.37
Ex209-32	32	125	315	4.22
Ex209-36	36	140	355	5.82

No.	<i>s</i> inch	<i>a</i> inch	<i>l</i> inch	Wt. lbs.
Ex209-1/16	1/16	9/16	1 3/4	0.0035
Ex209-5/64	5/64	5/8	2	0.0084
Ex209-3/32	3/32	11/16	2 1/4	0.0097
Ex209-1/8	1/8	3/4	2 1/2	0.018
Ex209-5/32	5/32	1	2 3/4	0.031
Ex209-3/16	3/16	1 1/8	3 3/16	0.053
Ex209-7/32	7/32	1 1/4	3 9/16	0.084
Ex209-1/4	1/4	1 3/8	3 3/4	0.11
Ex209-5/16	5/16	17/16	4	0.19
Ex209-7/16	7/16	1 3/4	5	0.47
Ex209-1/2	1/2	2 1/4	5 9/16	0.77
Ex209-9/16	9/16	2 1/4	5 9/16	0.77
Ex209-3/4	3/4	2 3/4	7 3/16	1.68
Ex209-7/8	7/8	3 3/16	8	2.76
Ex209-15/16	15/16	3 9/16	8 15/16	3.59
Ex209-1 1/16	1 1/16	4	10	5.22
Ex209-1 1/4	1 1/4	5	12 9/16	9.30

Ex209S

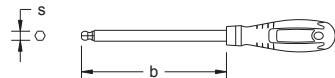
Allen / Hex Key, Screwdriver Handle



No.	<i>s</i> mm	<i>l</i> mm	$\frac{\delta}{\delta}$ kg	<i>s</i> inch	<i>l</i> inch	Wt. lbs.
Ex209S-4	4	75	0.06	1/8	3	0.13

Ex209LS

Allen / Hex Key, Ball Point, Screwdriver Handle



No.	<i>s</i> mm	<i>l</i> mm	$\frac{\delta}{\delta}$ kg	<i>s</i> inch	<i>l</i> inch	Wt. lbs.
Ex209LS-4	4	75	0.05	1/8	3	0.11

Carlsoe Safety Tools

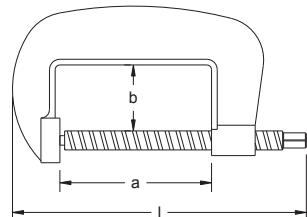
Ex211 Clamp, Grounding
 Ex212 Wrench, Gas Tube
 Ex213 Wrench, Bung
 Ex216 Extension For Box Wrench



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Ex211

Clamp, Grounding



No.

a
mm

b
mm

l
mm

$\frac{\Delta}{\Delta}$
kg

a
inch

b
inch

l
inch

Wt.
lbs.

Ex211-160

160

69.5

310

3.57

6 $\frac{3}{8}$

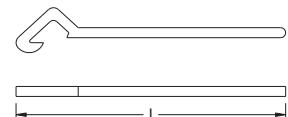
2 $\frac{3}{4}$

12 $\frac{3}{8}$

7.87

Ex212

Wrench, Gas Tube



No.

l
mm

$\frac{\Delta}{\Delta}$
kg

l
inch

Wt.
lbs.

Ex212-540

540

2.31

21 $\frac{9}{16}$

5.09



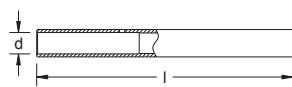
Ex213

Wrench, Bung

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

Ex216

Extension For Box Wrench



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

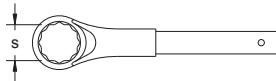
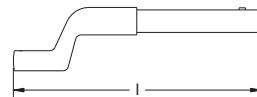


Carlsoe Safety Tools

Wrench, Box ,For Extension
Drift,Cylindrical

Ex215
Ex301

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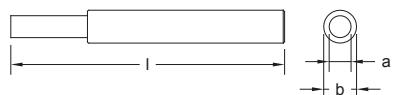


Ex215

Wrench, Box, For Extension

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

No.	S inch	I inch	Wt. lbs.
Ex215-1. ³ / ₁₆	13/16	8	2.03
Ex215-1. ¹ / ₄	1 1/4	9 3/8	2.14
Ex215-1. ⁵ / ₁₆	15/16	9 3/8	2.14
Ex215-1. ³ / ₈	13/8	9 3/8	2.14
Ex215-1. ⁷ / ₁₆	17/16	9 3/4	2.27
Ex215-1. ¹ / ₂	1 1/2	10	2.51
Ex215-1. ⁵ / ₈	15/8	10 9/16	2.78
Ex215-1. ¹¹ / ₁₆	111/16	10 9/16	2.78
Ex215-1. ¹³ / ₁₆	113/16	11 3/16	3.53
Ex215-1. ⁷ / ₈	17/8	11 3/16	3.53
Ex215-2	2	113/16	3.90
Ex215-2. ¹ / ₁₆	21/16	113/16	3.90
Ex215-2. ³ / ₁₆	23/16	119/16	4.30
Ex215-2. ⁵ / ₁₆	25/16	133/16	6.39
Ex215-2. ³ / ₈	23/8	133/16	6.39
Ex215-2. ⁹ / ₁₆	29/16	14	6.83
Ex215-2. ³ / ₄	23/4	143/8	7.72



Ex301

Drift, Cylindrical



Unique Range of Safety Tools

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



Carltsö Safety Tools

Drift Pin, Straight Type

Punch, Pin

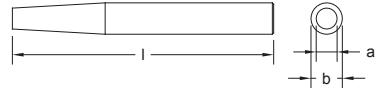
Ex301C

Ex301P

30

Ex301C

Drift Pin, Straight Type



No.	a mm	b mm	l mm	$\frac{a}{b}$ kg
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

No.	a inch	b inch	l inch	Wt. lbs.
Ex301C-1/16	1/16	3/8	6	0.17
Ex301C-1/8	1/8	3/8	6	0.18
Ex301C-3/16	3/16	3/8	6	0.19
Ex301C-1/4	1/4	3/8	6	0.19
Ex301C-5/16	5/16	7/16	6	0.28
Ex301C-3/8	3/8	9/16	6	0.38
Ex301C-7/16	7/16	5/8	6	0.51
Ex301C-1/2	1/2	11/16	6	0.65
Ex301C-9/16	9/16	11/16	6	0.66
Ex301C-5/8	5/8	3/4	8	1.10
Ex301C-11/16	11/16	7/8	8	1.32
Ex301C-3/4	3/4	15/16	10	1.97
Ex301C-13/16	13/16	1	10	2.32
Ex301C-7/8	7/8	1	10	2.35

Ex301P

Punch, Pin



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

No.	a inch	b inch	l inch	Wt. lbs.
Ex301P-7/128	7/128	3/8	4 ³ / ₈	0.10
Ex301P-9/128	9/128	3/8	4 ³ / ₈	0.10
Ex301P-1/16	1/16	3/8	6	0.16
Ex301P-3/32	3/32	3/8	4 ³ / ₈	0.10
Ex301P-7/64	7/64	3/8	4 ³ / ₈	0.11
Ex301P-1/8	1/8	3/8	6	0.15
Ex301P-3/16	3/16	3/8	6	0.15
Ex301P-1/4	1/4	3/8	6	0.16
Ex301P-5/16	5/16	7/16	6	0.25
Ex301P-3/8	3/8	9/16	6	0.35

Carlsoe Safety Tools

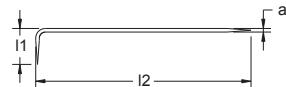
Ex302 Scriber / Marking Tool
 Ex303 Punch, Center
 Ex304 Chisel, Hand



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Ex302

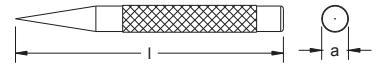
Scriber / Marking Tool



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

Ex303

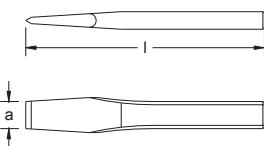
Punch, Center



No.	a mm	l mm	$\frac{\Delta}{\Delta}$ kg	No.	a inch	l inch	Wt. lbs.
Ex303-100	10	100	0.05	Ex303- 4	3/8	4	0.11
Ex303-150	12	150	0.11	Ex303- 6	7/16	6	0.25
Ex303-240	24	240	0.72	Ex303- 9.9/16	15/16	9 9/16	1.58
Ex303-260	26	260	0.89	Ex303- 10.3/8	1	10 3/8	1.95
Ex303-280	28	280	1.11	Ex303- 11.3/16	1 1/8	11 3/16	2.45
Ex303-300	30	300	1.34	Ex303- 12	13/16	12	2.95
Ex303-320	32	320	1.63	Ex303- 12.3/4	1 1/4	12 3/4	3.60

Ex304

Chisel, Hand



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



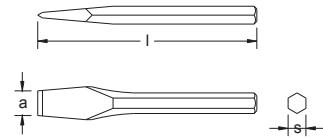
Carlsoe Safety Tools

Chisel, 6-Point
Chisel, 8-Point
Chisel, Cape

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Ex304A

Chisel, 6-Point

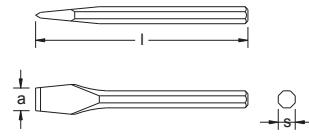


No.	a mm	s mm	l mm	$\frac{lb}{kg}$
Ex309-300	16	14	300	0.43

No.	a inch	s inch	l inch	Wt. lbs.
Ex309-12	5/8	9/16	12	0.95

Ex304S

Chisel, 8-Point

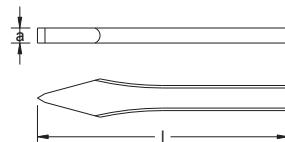


No.	a mm	s mm	l mm	$\frac{lb}{kg}$
Ex304S-300	26	18	300	0.67

No.	a inch	s inch	l inch	Wt. lbs.
Ex304S-12	1	11/16	12	1.48

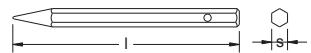
Ex305

Chisel, Cape

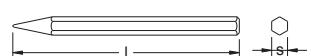


No.	a mm	l mm	$\frac{lb}{kg}$
Ex305-125	9	125	0.15
Ex305-150	11	150	0.23
Ex305-175	11	175	0.27
Ex305-200	12	200	0.37
Ex305-250	13	250	0.55
Ex305-300	14	300	0.76

No.	a inch	l inch	Wt. lbs.
Ex305-125	3/8	5	0.33
Ex305-150	7/16	6	0.51
Ex305-175	7/16	7	0.59
Ex305-200	7/16	8	0.81
Ex305-250	1/2	10	1.21
Ex305-300	9/16	12	1.68



Chisel, Diamond Point



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

Ex308A

Caulking Tool



Ex308

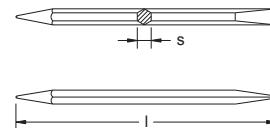
Non-Sparking Needle For Air Needle Scalers



No.	a mm	l mm	$\frac{a}{l}$ kg	a inch	l inch	Wt. lbs.
Ex308-3	3	175	0.01	1/8	7	0.02

Ex308B

Caulking Tool



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

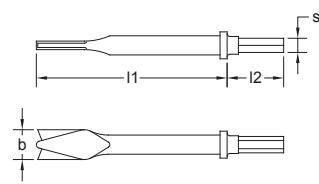
Ex309CP

Chisel, For Machines

Carlsoe Safety Tools can manufacture all kind of pneumatic chisels.

Bull Point, Flat Type, Scaling etc.

Inform Size, Type and Shank dimension, and we will produce according to your demand.



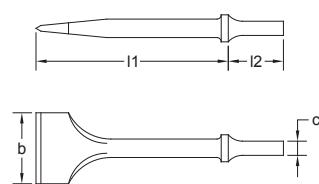
No.	b mm	s mm	l_1 mm	l_2 mm	$\frac{s}{l_1}$ kg	b inch	s inch	l_1 inch	l_2 inch	Wt. lbs.
Ex309CP	21	10	135	40	0.18	13/16	3/8	5 3/8	1 9/16	0.40

Ex309RP

Chisel, For Machines

Available For Different Machines

Ask For Specification Sheet



No.	b mm	c mm	l_1 mm	l_2 mm	$\frac{c}{l_1}$ kg	b inch	c inch	l_1 inch	l_2 inch	Wt. lbs.
Ex309RP	50	10	136	39	0.22	2	3/8	5 7/16	1 9/16	0.49



You don't see it.....we will make it.

- Special Designs are made upon customer demand.
- Long life cutting edge.