

E-1312 Welding Gloves

Especially designed for use in environments where heat is uncomfortable. Provides appropriate protection thanks to its high abrasion and puncture resistance. High burn resistance. Extra reinforcement on the thumb and palm.



Sewing Material
All seams were made with fireproof aramid thread to increase strength for welding.

Palm and Hand Top Material
Made of buffalo leather to increase the strength of the glove.

Reinforcement Area
Reinforced leather is added on the palm to increase the durability of the glove.

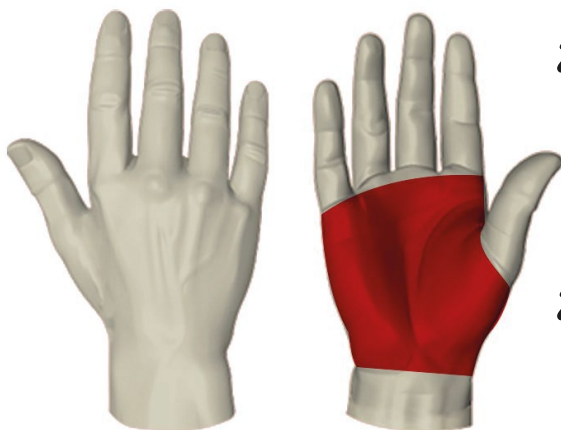


Technical Specifications

| | |
|-------------------|---|
| Palm Material | Skin Leather |
| Hand Top Material | Skin Leather |
| Lining Material | Wool |
| Size / Length | 10/XL 35cm |
| Box Quantity | 30 Pairs |
| Packaging | 1 Pair |
| Category | CAT II |
| Standards | EN 388:2016+A1:2018 (3222X) EN 407 2020: (413X4X) EN ISO 21420:2020 EN 12477:2001+A1:2005 Type A |

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REINFORCEMENT AREA and LINING INFORMATION



REINFORCEMENT AREA

The palm features reinforced buffalo leather sewn with aramid thread for extra protection.

Aramid Yarn: Due to its natural structure, it has a very strong strength and prevents the seams from coming apart easily.



LINING

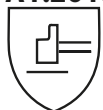
Soft wool lining allows hands to work in comfort.

 Specifies the reinforcement area.

STANDARDS

These gloves are designed to protect the hands against mechanical risks as defined in the PPE Regulation (EU) 2016/425. This product has passed EN ISO 21420 (General requirements and inspection methods for protective gloves), EN 388 (Protection against Mechanical Risks) and EN 407 (Protection against Thermal Risks) and EN 12477.

EN 388: 2016
+A1:2018



3222X

EN 407
: 2020



413X4X

EN ISO
21420:2020



EN 12477:2001
+A1:2005 Type A



Glove Mobility
(min.1-max.5): 5

Areas of Usage



Construction and Building



Automotive and Transportation



Mining



Cleaning



Logistics and Warehousing



Woodworks

It is used in many industries in welding processes, handling and cutting of metal parts, assembly and coating processes, heavy metal processes, injection molds, cold and hot parts, repair, mining, load handling and iron and steel industry. It is suitable for deburring and hot metal working in the automotive and iron and steel industries and for working with sharp-edged sheet metal and metals.

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STANDARD DESCRIPTIONS

EN ISO 21420:2020

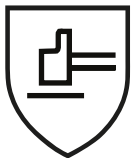


EN ISO 21420:2020 General Specifications and Test Methods

This standard specifies the general requirements for glove design, construction, hazard protection, comfort, efficiency and marking and information applicable to all protective gloves. This standard also applies to arm protection. Some gloves designed for the most specialized applications, such as electrical technicians or surgical activities, are governed by specific stringent standards.

| GLOVE SIZE | Suitable for Hand Size | Hand Circumference / Length | Min. Glove Length |
|------------|------------------------|-----------------------------|-------------------|
| 6 | 6 | 152/160 mm | 220 mm |
| 7 | 7 | 178/171 mm | 230 mm |
| 8 | 8 | 203/182 mm | 240 mm |
| 9 | 9 | 229/192 mm | 250 mm |
| 10 | 10 | 254/204 mm | 260 mm |
| 11 | 11 | 279/215 mm | 270 mm |

EN 388:2016 +A1:2018



abc def

EN 388:2016+A1:2018 Protective Gloves Against Mechanical Risks

This standard covers specifications and test methods for protective gloves against

SPECIFICATIONS:

Protective gloves conforming to this standard shall meet all applicable specifications of EN 420. The performance level of a protective glove against mechanical risks shall be the higher level for one of the qualities (protection against abrasion, stab, tear, puncture and impact) classified according to the minimum characteristics of each level shown in the table below.

Note - Gloves that meet specifications for puncture resistance may not be suitable for protection against sharp-tipped objects such as hypodermic needles.

X means that the test was not performed or cannot be performed.

| PERFORMANCE LEVELS | 1 | 2 | 3 | 4 | 5 |
|--|-----|-----|------|------|------|
| a - Wear resistance (number of cycles) | 100 | 500 | 2000 | 8000 | - |
| b - Knife cut resistance (index) | 1,2 | 2,5 | 5,0 | 10,0 | 20,0 |
| c - Tear resistance (N) | 10 | 25 | 50 | 75 | - |
| d - Puncture resistance (N) | 20 | 60 | 100 | 150 | - |

| PERFORMANCE LEVELS | A | B | C | D | E | F |
|------------------------|---------------------------|---|----|----|----|----|
| e - Cut Resistance (N) | 2 | 5 | 10 | 15 | 22 | 30 |
| f - Impact Protection | Pass (P) / Fail (no mark) | | | | | |

* For detailed information about the standards, you can access the **EN European Glove Standards Guide** at www.starlinesafety.com

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STANDARD DESCRIPTIONS

EN 407 :2020



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EN 407:2020 Protective Gloves Against Thermal Risks

This standard covers the properties, test methods, information required to be provided and marking of protective gloves against heat and / or fire.

In the main pictogram for protective gloves against thermal risks, the performance levels are given in the following order.

- a. Resistance to Ignition (0-4)
- b. Contact Temperature Resistance (0-4)
- c. Transport Temperature Resistance (0-4)
- d. Radiant Heat / Radiant Heat Resistance (0-4)
- e. Resistance to small drops of molten metal (0-4)
- f. Resistance to large amounts of molten metals (0-4)

NOTE: Using an X instead of a number means that "the glove is not intended for the use covered by the relevant experiment".

| PERFORMANCE LEVELS | | 1 | 2 | 3 | 4 |
|--|-----------------------------|-------|-------|-------|-------|
| Against Ignition | Flaming combustion Time (s) | ≤ 20 | ≤ 10 | ≤ 3 | ≤ 2 |
| | Ember burning time (s) | - | ≤ 120 | ≤ 25 | ≤ 5 |
| Contact Heat | Contact Temperature (°C) | 100°C | 250°C | 350°C | 500°C |
| | Threshold Duration (s) | ≥ 15 | ≥ 15 | ≥ 15 | ≥ 15 |
| Convection Heat / Heat transfer delay (s) | | ≥ 4 | ≥ 7 | ≥ 10 | ≥ 18 |
| Radiant Heat / Heat transfer delay (s) | | ≥ 7 | ≥ 20 | ≥ 50 | ≥ 95 |
| Small Pieces of Molten Metal / Number of drops | | ≥ 10 | ≥ 15 | ≥ 25 | ≥ 35 |
| Large Amount of Molten Metal / Molten mass (g) | | 30 | 60 | 120 | 200 |

EN 12477 Protective Gloves for Welders

This standard is used for protective gloves used in manual metal welding, cutting and alloying operations. Protective gloves for welders protect the wrists and hands of the welder during the welding period. They protect against small splashes of molten metal, short-term contact with a restricted flame, conduction heat, contact heat and UV radiation from the arc. It also provides protection against spatial damage.

They are classified into two types according to their performance:

- Type A: Low proficiency (Other performance higher)
- Type B: High proficiency (Other performance lower)

NOTE: Protective gloves for special welding operations are excluded from this scope.

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Maintenance and Cleaning

We recommend cleaning gloves with a brush made of synthetic materials. Glove cleaning should not be made of hard and predatory materials. They should never be washed by hand or in the washing machine. Before use, it is the responsibility of the user to check whether the product is suitable for the intended use, whether it is complete and whether its protective functions are intact. The user must carry out an inspection for possible defects that could adversely affect the protective functions (holes, tears, damaged joints, etc.).



Service Life



Gloves must be used within five years from the date of manufacture. Many factors affect the service life of gloves such as cold, heat, chemicals, sunlight, and improper storage.



Storage

Storage is part of maintenance and cleaning, but is often overlooked. When not in use or during shipment, the glove should be stored in its original packaging that will keep it away from direct sunlight, chemicals and corrosive substances and protect it from physical damage by hard surfaces or substances. The product should be stored in a dry and well ventilated place. Excessive humidity or intense light may adversely affect the quality of the product.

● Order Information

| MODEL | Size | Barcode | Box Quantity |  Box Dimensions |  Box Weight |
|--------|---------|---------------|--------------|--|--|
| E-1312 | 10 / XL | 8680907550901 | 30 Pairs | 33 x 40 x33cm | 14kg. |