

## E-071, E-072, E-073, E-074 Welding Gloves

It is designed for use in welding applications. Resistance for burning is high. There is no reinforcement in palms or fingers. Non-combustible aramid yarn increases the strength of all stitches.



**Marking Field**  
Includes all information  
required to be provided  
as per the European norms.

**Sewing Material**  
All stitches were made with  
non-combustible aramid yarn to increase  
the strength in welding application.



E-071

● Technical Specifications

|                 |                      |
|-----------------|----------------------|
| Palm Material*  | Split Leather        |
| Upper Material* | Split Leather        |
| Lining Material | Cotton               |
| Size / Length   | 10/XL / 35cm         |
| Box Content     | 72 Pairs             |
| Packaging       | 1 Pair               |
| Category        | CAT II               |
| Standards       | EN 388:2016 (3122X)  |
|                 | EN 407:2004 (42314X) |
|                 | EN 420: 2003+A1:2009 |

\* Starline products do not contain pig leather.



E-072



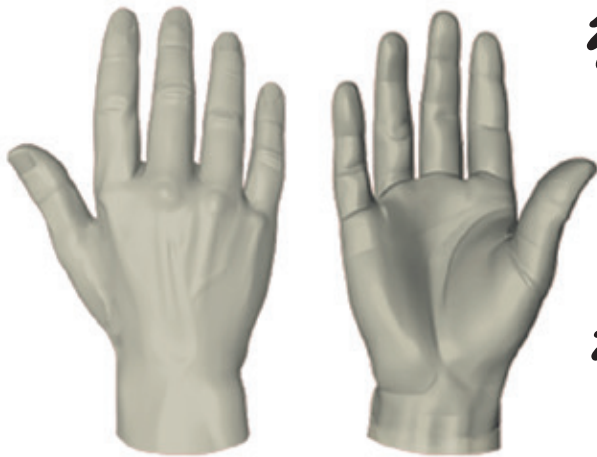
E-073



E-074

# STARLINE

## ● REINFORCEMENT AREA AND LINING INFORMATION



 Reinforced Area



### REINFORCEMENT AREA

These gloves are sewn in one piece. There is no reinforcement in palms and fingers.

Aramid Yarn: It is very strong due to its natural structure and prevents the sewing places from being easily unstitching.



### COTTON LINING

The soft cotton liner allows the hands to work comfortably.

## ● STANDARDS

These gloves are intended to protect the hands against mechanical hazards as defined in the PPE Regulation (EU) 2016/425. This product is certified as per EN420 (General requirements and inspection methods for protective gloves), EN388 (Mechanical Risk Protection) and EN407 (Protective gloves against thermal risks).

EN 388:2016  
+A1:2018



3122X

EN 420:2003  
+A1:2009



EN 407:2004



42314X



Dexterity Level  
(min.1-max.5): 2

## ● Areas of Use



Construction and Building



Automotive and Transportation



Mine



Cleaning



Logistic and Storage

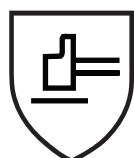


Wood

It is used in many industrial welding operations, transportation and cutting of metal parts, installation and coating processes, heavy metal operations, injection molds, cold and hot parts use, repair mining, cargo handling and iron and steel industry. It is suitable for use in automotive and iron and steel industries during deburring and hot metal operations and when working with sharp edged sheets and metals.

## STANDARD REMARKS

### EN 388:2016



a b c d e f

#### EN 388 Protective Gloves for Mechanical Risks

This standard covers features and test methods for protective gloves against mechanical risks such as abrasion, cutting, tearing, puncturing.

##### FEATURES:

Protective gloves conforming to this standard must meet all applicable properties of EN 420. The performance level of a protective glove against mechanical risks should be at a higher level for one of the attributes (wear, knife cutting, tearing, puncture and impact protection) that are classified according to the least features of each level shown in the table below.

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

The letter **X** means that the test has not been done or can not be performed.

| PERFORMANCE LEVELS                         | 1   | 2   | 3    | 4    | 5    |
|--------------------------------------------|-----|-----|------|------|------|
| a - Abrasion resistance (number of cycles) | 100 | 500 | 2000 | 8000 | -    |
| b - 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 - Protection Against Impact | Pass (P) / Failed (No sign) |   |    |    |    |    |

### EN 420



#### EN 420 General Specifications and Test Methods

This standard specifies the general requirements for the glove design and construction, protection against hazards, comfort, efficiency and marking and information applicable to all protective gloves. This standard also applies to arm protections.

Many gloves designed for electrical technicians or the most private applications such as surgical operations are governed by private and strict standards.

| GLOVE SIZE | Fits Hand Size | Hand Circumference / Length | Minimum 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               |

\* For more detailed information on Standards, you can obtain **EN European Glove Standards Guidelines** from [www.starlinesafety.com](http://www.starlinesafety.com).

## STANDARD REMARKS

### EN 407



abcdef

#### EN 407 Protection Against Temperature Risks (Heat and / or Fire)

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

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

- a:** Burning behavior (post-flame and after burning) (0-4)
- b:** Contact heat (contact temperature & threshold temperature) (0-4)
- c:** Convective heat (heat transfer index) (0-4)
- d:** Radiant heat (heat transfer) (0-4)
- e:** Small splashes of molten metal (0-4)
- f:** Large quantities of molten metal (0-4)

**NOTE:** Using an X instead of a number means "the glove is not produced for the intended use."

| PERFORMANCE LEVELS                                      |                          | 1     | 2      | 3     | 4     |
|---------------------------------------------------------|--------------------------|-------|--------|-------|-------|
| a. Resistance to burning behavior                       | After flare time (s)     | ≤ 20s | ≤ 10s  | ≤ 3s  | ≤ 2s  |
|                                                         | After glow time (s)      | -     | ≤ 120s | ≤ 25s | ≤ 5s  |
| b. Contact heat resistance                              | Contact temperature (°C) | 100°C | 250°C  | 350°C | 500°C |
|                                                         | Threshold time (s)       | ≥ 15s | ≥ 15s  | ≥ 15s | ≥ 15s |
| c. Convection heat resistance (s)                       |                          | ≥ 4s  | ≥ 7s   | ≥ 10s | ≥ 18s |
| d. Radiant heat resistance (s)                          |                          | ≥ 7s  | ≥ 20s  | ≥ 50s | ≥ 95s |
| e. Resistance to small splashes of molten metal (drops) |                          | ≥ 10  | ≥ 15   | ≥ 25  | ≥ 35  |
| f. Resistance to large quantity of molten metals (mass) |                          | 30g   | 60g    | 120g  | 200g  |

### EN 12477 Protective Gloves for Welders

This standard is used for protective gloves used in manual metal welding, cutting and alloying. Protective gloves for welders protect the welder's wrists and hands during welding. Provides protection against splashing of small molten metals, exposure to limited flame exposure, exposure to background radiation, contact heat and UV flux. In addition to this, the space also provides protection against damage.

They are classified into two types according to their performances:

- Type A: Low adequacy (Other performance is higher)
- Type B: High enough (Other performance less)

**NOTE:** Protective gloves for special welding operations are outside this scope.

# STARLINE



## Maintenance and Cleaning

We recommend cleaning the gloves with a brush made of synthetic materials. The glove cleaner should not be made from hard and spoiled materials. It should definitely not be hand-washed and washed in the washing machine. It is the user's responsibility to check that the product is suitable for the intended use prior to use, is complete and that its protective functions are sound. The user must carry out an inspection against possible defects which may adversely affect the protection functions (holes, tears, damaged joints, etc.).



## Service Life

The gloves must be used within five years from the date of manufacture. The life span of the glove affects many factors such as cold, hot, chemicals, sunlight, and improper storage.



## Storage

Storage is part of maintenance and cleanliness; but are often overlooked. It must be stored in its original packaging that will keep the glove away from direct sunlight, chemicals and corrosive materials during shipment or during shipment and protect it from physical damage of hard surfaces or materials. The product should be stored in a dry and well-ventilated place. If there is too much moisture or intense light in the environment, the product may adversely affect quality.

## Order Information

| MODEL | Size    | Barcode       | Box Quantity | Box Dimesion   | Box Weight |
|-------|---------|---------------|--------------|----------------|------------|
| E-071 | 10 / XL | 8698547303610 | 72 Pairs     | 36 x 36 x 64cm | 25 kg.     |
| E-072 | 10 / XL | 8698547303757 | 72 Pairs     | 36 x 36 x 64cm | 25 kg.     |
| E-073 | 10 / XL | 8698547303573 | 72 Pairs     | 36 x 36 x 64cm | 25 kg.     |
| E-074 | 10 / XL | 8698547303580 | 72 Pairs     | 36 x 36 x 64cm | 25 kg.     |