STARLINE

DATA SHEET

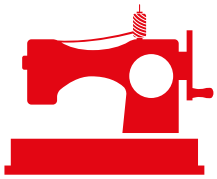
E-1309 Welding Gloves

It is designed for use in welding applications. High abrasion resistance provides adequate protection. Burning resistance is high. Extra reinforcement is available in the palm. Non-combustible aramid yarn increases the strength of all stitches.

Upper Material
It is made of buffalo leather to increase the strength of the glove.

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

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



Aramid Yarn Sewing

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

Technical Specifications

Palm Material*	Grain Leather
Glove Back Material	Grain Leather
Lining Material	Grain Leather
Size / Length	10/XL / 35cm
Carton Content	30 Pairs
Packaging	1 Pair
Category	CAT II
Standards	EN 388:2016+A1:2018 (2122X) EN 407:2020 (31213X) EN ISO 21420: 2020

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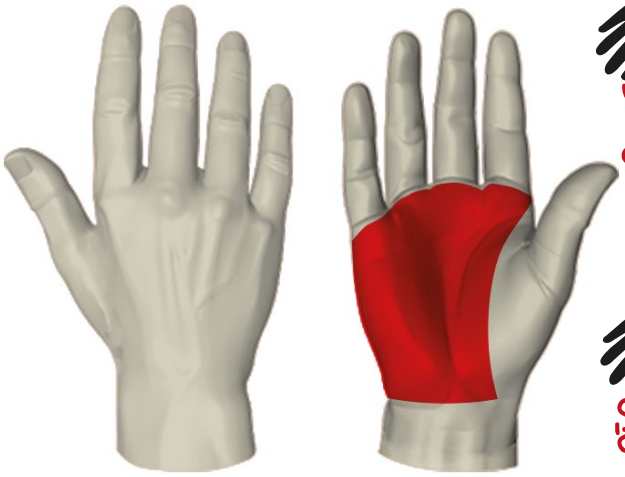
REINFORCEMENT AREA AND LINING INFORMATION



Reinforced Area

REINFORCEMENT AREA

These gloves are sewn in one piece. In the palm and thumb, there is a reinforced grain leather sewn with aramid yarn for extra protection.

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

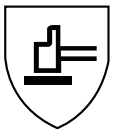
COTTON LINING

The soft cotton lining 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 EN ISO 21420 (General requirements and inspection methods for protective gloves), EN 388 (Mechanical Risk Protection) and EN 407 (Protective gloves against thermal risks).

EN388:2016 +A1:2018

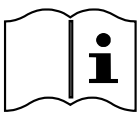


2122X

EN 407 :2020

31213X

EN ISO 21420 :2020



CE

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

Areas of Use

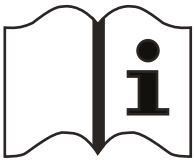
- Construction and Building
- Automotive and Transportation
- Mine
- Cleaning
- Logistic and Storage
- Wood

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.

STARLINE

STANDARD REMARKS

EN ISO 21420:2020

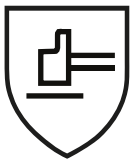


EN ISO 21420:2020 General Features and Test Methods

This standard specifies the general requirements for the glove's design, structure, protection against hazards, comfort, efficiency and marking and information applicable to all protective gloves. This standard also applies to arm guards. Some gloves designed for the most specialized applications, such as electricians or surgical activities, are governed by special stringent standards.

GLOVE SIZE	Suitable for Hand Size	Hand Circumference/Length	Minimum Length of Glove
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



a b c d e f

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

This standard covers the properties and test methods for protective gloves against mechanical risks such as abrasion, knife cutting, tearing and puncture.

SPECIFICATIONS:

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

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

Letter **X** means the test has not been performed or cannot be administered.

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)					

** For more detailed information on Standards, you can obtain **EN European Glove Standards Guidelines** from www.starlinesafety.com.*

STANDARD REMARKS

EN 407 :2020

abcdef

EN 407:2020 Protective Gloves Against Thermal Risks

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

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

a. Ignition Resistance (0-4)
b. Contact Heat Resistance (0-4)
c. Transport Heat 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 "the glove is not intended for use in the relevant experiment."*

PERFORMANCE LEVELS		1	2	3	4
Ignition Resistance	**Flaming Time (s)**	≤ 20	≤ 10	≤ 3	≤ 2
	Ember burning time (s)	-	≤ 120	≤ 25	≤ 5
Contact Heat Resistance	**Contact Temperature (oC)**	100˚C	250˚C	350˚C	500˚C
	Threshold Time (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 Amount of Molten Metal / Molten mass (g)		≥ 10	≥ 15	≥ 25	≥ 35
Large Amount of Molten Metal / Molten mass (g)		30	60	120	200

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-1309	10 / XL	8680907005524	30 Pairs	36 x 44 x 25cm	8.00kg.