

### E-49-BB ve E-49-BS / PU Gloves

These gloves have strong grip properties to handle objects in dry environments. Thanks to its polyester lining, it is comfortable, flexible and durable. It is covered with polyurethane material with high grip on dry surfaces.

#### Coated Area

These gloves offer high performance in jobs requiring dry grip thanks to its polyurethane coating. High abrasion resistance of PU material prolongs the lifetime of the glove.

PU



#### Marking Field

All information required to be provided as per the European norms.

#### Elastic Wrist

It is designed to keep gloves fitted and to prevent exterior substances from penetrating into the gloves.

#### Wrist Color

Colour separation has been made on the wrist part to detect the glove easily.

7/S      9/L  
8/M      10/XL

### Technical Specifications

Lining Material	13-G Polyester
Coated Material	Polyurethane
Wrist Type	Elastic Wrist
Color	E-49-BB (White/White), E-49-BS (White/Black)
Sizes	7/S, 8/M, 9/L, 10/XL
Carton Content	240 Pairs
Packaging	1 Pair
Category	CAT II
Standards	EN 388:2016+A1:2018 (2X21X) EN ISO 21420:2020



E-49-BS

# STARLINE

## COATED AREA AND LINING INFORMATION



■ Coated Area



### PU COATING

PU

These gloves offer high performance in jobs requiring dry grip thanks to the polyurethane material in the palm. High abrasion resistance of PU material prolongs the life of the glove.



### POLYESTER LINING

The seamless polyester lining provides excellent comfort during applications where objects are held and mounted.

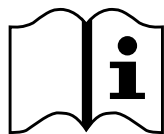
## STANDARDS

These gloves are intended to protect the hands against mechanical hazards as defined in the PPE Directive 89/686 / EEC. This product is certified as per EN420 (General requirements and inspection methods for protective gloves) and EN388 (Mechanical Risk Protection).

EN 388:2016 +A1:2018 EN ISO 21420 :2020



2X21X



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

## Areas of Usage



Woodwork



Building and Construction



Glassware



Automotive and Transportation



Metal Production



Machine and Equipment



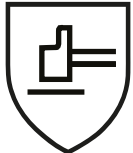
Logistics and Warehousing

These gloves are suitable for use in manufacturing of wood, wood products and cork products, manufacturing of paper and paper products, manufacturing of iron, steel and metal products, manufacturing of general purpose machines, manufacturing of planes or transport roads such as railways, automobiles, construction works in and outside of buildings, transportation and storage works, handling of glass and glass products and mechanical works.

# STARLINE

## STANDARD REMARKS

### EN 388:2016 +A1:2018 EN 388:2016+A1:2018 Protective Gloves for Mechanical Risks



abc def

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 ISO 21420 :2020 EN ISO 21420:2020 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).

# STARLINE

## USER GUIDE



### Maintenance and Cleaning

We recommend you to clean gloves by a normal detergent with 40-60°C of water with maximum of 3 times. After the washing, the performance may not be seen which it is featured in associated pictograms. It is the responsibility of user to control whether glove is suitable for intended use or not, whether it is complete or not and whether protective functions are undamaged or not. User should carry out an examination against potential defects which are likely to adversely affect protection functions (punctures, tears, damaged seams, etc.).



### Service Life

Gloves should be used within three years as of the manufacture date. Service life of the gloves are affected by several factors such as cold, hot, chemicals, sunlight and inadvisable storage.



### Storage

Storage is a part of the maintenance and cleaning but is often ignored. Protective gloves should be stored in their original packaging which will keep them away from direct sunlight, chemicals and abrasive materials and protect them against physical damages of the hard surfaces or materials when it is not used or during shipment. Product should be stored in a dry and well-ventilated place. Availability of excessive humidity or intense light may adversely affect the product quality.

## Order Information

MODEL	Size	Barcode	Box Quantity	Box Dimension	Box Weight
E-49-BB	7 / S	8680907920308	240 Pairs	41x55x50cm	8.10 kg
E-49-BB	8 / M	8680907920315	240 Pairs	41x55x50cm	8,50 kg
E-49-BB	9 / L	8698547317723	240 Pairs	41x55x50cm	9,00 kg
E-49-BB	10 / XL	8698547317754	240 Pairs	41x55x50cm	9.10 kg
E-49-BS	7 / S	8680907953054	240 Pairs	41x55x50cm	7.40 kg
E-49-BS	8 / M	8680907953061	240 Pairs	41x55x50cm	7,90 kg
E-49-BS	9 / L	8680907953078	240 Pairs	41x55x50cm	8,30 kg
E-49-BS	10 / XL	8680907953085	240 Pairs	41x55x50cm	8.50 kg