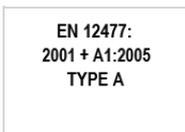


# GLOVE JUBA - 408K WELDY

Premium double bend split leather welders



## STANDARDS



3244C



41324X

## CHARACTERISTICS

- Extra quality leather.
- Heat resistant by contact (100°C for 15 seconds).
- Excellent behavior to flame and small splashes.
- Very comfortable thanks to its inner cotton lining on the palm and back.
- Sewn with Kevlar® yarn for durability.
- Reinforced suede in the area of greatest palm friction.
- Complies with EN12477: 2001 + A1: 2005 standard for protective gloves for type A welders.

## WORKING GLOVES SUITABLE FOR:

- Welding work.
- Mechanical works.
- Naval industry.

## MORE INFORMATION

Materials	Color	Thick	Long	Sizes	Packaging
Leather	Orange	1.30 mm	L - 40 cm XL - 40 cm	9/L 10/XL	6 Pairs/package 36 Pairs/box

## STANDARS

EN 12477:  
2001 + A1:2005  
TYPE A

**EN 12477:2001 Protective gloves for welders**

This standard describes how gloves should be designed to provide hand and wrist protection in welding and similar work situations. Welding gloves shall be tested according to EN 388:2016. They must also provide protection against splashes of molten metal, short-term exposure to open flames, radiant heat, contact heat and mechanical protection according to EN 407:2004. The gloves are also assessed according to its design and purpose: Type A refers to gloves with higher protection against heat but with lower flexibility and dexterity Type B refers to gloves with lower protection against heat but with greater flexibility and dexterity

EN388:2016



**EN388:2016 Protective gloves against mechanical risks**

According to this standard, characteristics such as abrasion resistance, cut resistance, tearing strength, puncture resistance and impact protection are tested. In conjunction with the pictogram, four numbers and one, or two letters, will be displayed. These signs indicate the performance of the glove.

**ABRASION RESISTANCE**

The material is subjected to abrasion by a sandpaper under a determined pressure. The protection level is indicated on a scale of 1 to 4 depending on the number of turns required until a hole appears in the material. The higher the number is, the better the resistance to abrasion.

**CUT RESISTANCE, COUP TEST**

The cut protection is tested. A knife is passed over the glove material until it cuts through. The protection level is given by a number between 1 and 5, where 5 indicates the highest cut protection. If the material dulls the knife during this test, the cut test ISO 13997(TDM test) shall be performed instead, see point 5.

**TEARING STRENGTH**

The force required to tear the glove material apart is measured. The protection level is indicated by a number between 1 and 4, where 4 indicates the strongest material.

**PUNCTURE RESISTANCE**

Based on the amount of force required to puncture the material with a tip. The protection function is indicated by a number between 1 and 4, where 4 indicates the strongest material.

**CUT RESISTANCE, TDM TEST ISO 13997**

If the knife gets dull during the coup test, see point 2, this test shall be performed instead. The result is given by a letter, A to F, where F indicates the highest level of protection. If any of these letters is given, this method determines the protection level instead of the coup test.

**ISO 13997:1999 – Determination of resistance to cutting by sharp objects**

An alternative cut test recommended for cut protection gloves. Shall be used in EN388:2016 for cut protection gloves where the cut material dulls the cutting knife during testing. A knife cuts with constant speed but increasing force until breakthrough of the cut protection material. Level of protection is given in Newton, the force needed for cut through at 20mm cut length.

**IMPACT PROTECTION**

If the glove has an impact protection, this information is given by the letter P as the 6th and last sign. If no P sign, no impact protection is claimed.

EN 407:2020



**EN 407:2020 – Protection against thermal risks**

EN407:2020



ABCDEF

Pictogram for gloves where flame behavior is not tested

EN407:2020



ABCDEF

Pictogram for gloves where flame behavior has been tested

Ratified by the Spanish Association for Standardization in June 2020.

Main changes compared to EN407:2004:

- Extension of the scope of the standard to domestic use: oven mitten & gloves.
- Gloves that achieve a level 3 or 4 of any thermal property must reach a minimum level 3 in flame spread. Otherwise, the maximum level that can be reached in the corresponding thermal property will be level 2.
- Propagation limited to flame: prohibition of hole formation. Shortening of maximum post-combustion time for level 1. Change in ignition time.
- Contact heat. Obligation to test any material that comes into contact with heat.
- Resistance to tearing. This essay is included.
- Convective heat . The test is carried out without reinforcement.
- New pictogram, for gloves that do not have flame protection.
- A minimum length is entered when resistance to small molten metal splashes is present.
- After the heat resistance tests, the samples should not show signs of melting or holes.

A - Flame behavior

Change the method and table. To carry out the test, now the ignition time

B - Contact heat

Change the test method. In the EN407:2004 only the palm is tested, with the EN407:2020 any other point that may come into contact.

Level of performance	Contact temperature	Threshold time (s)
1	100	≥ 15
2	250	≥ 15
3	350	≥ 15
4	500	≥ 15

C - onvective heat

Change the test method. From EN373 to ENISO9185:2007

Level of performance	Heat transfer index hti
1	≥ 4
2	≥ 7
3	≥ 10
4	≥ 18

D - Radiant heat

There are no modifications. The inner layers should not show signs of fusion or have holes.

Level of performance	Heat transfer index t3
1	≥ 7
2	≥ 20
3	≥ 50
4	≥ 95

E - Small splashes

There are no modifications. The inner and outer layers will not be able to

goes from 15 to 10 "and the post-ignition time for level 1, goes from 20 to 15".

Level of performance	Post inflammation time	Post incandescence time
1	≤ 15	No requirement
2	≤ 10	≤ 120
3	≤ 3	≤ 25
4	≤ 2	≤ 5

melt or pierce.

Level of performance	Number of drops
1	≥ 5
2	≥ 15
3	≥ 25
4	≥ 35

F - Big splashes  
Change the test method.

Level of performance	Cast iron (g)
1	30
2	60
3	120
4	300

Glove length

Size	Length
5	290
6	300
7	310
8	320
9	330
10	340
11	350
12	360
13	370