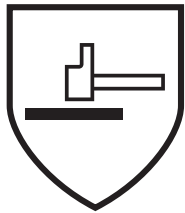
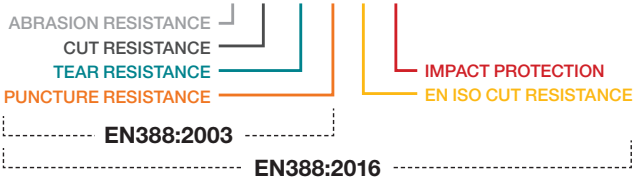


EN388



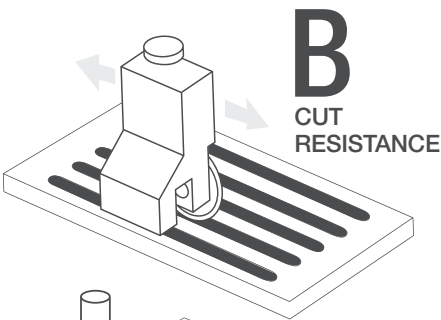
ABCDEF



EN388 Glove Standards

EN388:2016 – Protective Gloves Against Mechanical Risks, is a European safety standard designed to assess the performance of a glove and its fabric/layers.

The original standard from 2003 was updated in 2016 to include 2 new measures. EN ISO Cut Resistance and Impact Protection.

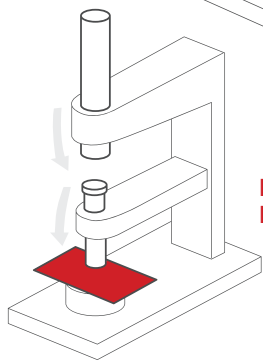


B
CUT
RESISTANCE

Changes in the Cut Resistance Test Method

The EN388:2003 Coupe Cut Test Method to measure cut resistance used a circular blade that would pass over the blade at equal pressure until it cut through. It was found that this test was flawed, as the circular blade would dull during the testing process.

The new EN388:2016 EN ISO Cut Test Method measures how much force (Nm) is required to cut through the glove liner. The blade is replaced for each test to remove the risk of a dull blade.



F
IMPACT
PROTECTION

Addition of the Impact Protection Test

The Impact Protection Test is only applicable for gloves with impact protection. It is recorded as either a pass (P) or a fail (F).

To test, the glove is struck with 2.5kg at an impact energy of 5J. To pass the glove must transmit a maximum force of 7.0kN



E
EN ISO CUT
RESISTANCE

EN388 Performance Levels

(C) CYCLES (IN) INDEX (N) NEWTONS

A ABRASION RESISTANCE

1: 100 2: 500
3: 2,000 4: 8,000

B CUT RESISTANCE

1: 1.2 2: 2.5
3: 5.0 4: 10.0 5: 20.0

C TEAR RESISTANCE

1: 10 2: 25
3: 50 4: 75

D PUNCTURE RESISTANCE

1: 20 2: 60
3: 100 4: 150

E EN ISO CUT RESISTANCE

A: 2 B: 5 C: 10
D: 15 E: 22 F: 30

F IMPACT PROTECTION

P: PASSED F: FAILED
X: NOT TESTED

Glove Manufacturers have been given 5 years to re-test their gloves under the new standard. During this time, you will start to see change in markings. You may see an X where the Coupe Test Method rating should be: this indicates that the blade dulled during the test, so the rating is void.

