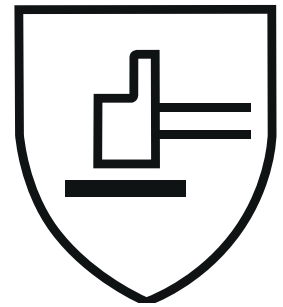


GUIDE TO STANDARD EN388:2016

The European Standard EN388:2016 covers the test requirements for safety gloves that are provided to protect against mechanical risks such as abrasion, blade cut, tearing, puncture and impact.



The tests are conducted by an approved authority and the results are indicated by a number or letter describing the level of resistance. A glove's total resistance according to this standard is thus indicated by four numbers and one or two letters according to the description below.

This standard applies to all protective gloves in respect of physical and mechanical aggressions.

A		B		C		D		E		F	
ABRASION RESISTANCE		CIRCULAR BLADE CUT RESISTANCE		TEAR RESISTANCE		PUNCTURE RESISTANCE		STRAIGHT BLADE CUT RESISTANCE		IMPACT RESISTANCE	
The material is exposed to abrasion according to a given pressure. The rating is based on the number of cycles the glove withstands before the material breaks.		The material is exposed to a cutting motion, with a constant pressure and speed, by a circular blade. The rating is based on the least number of cycles needed to cut through the material compared to an index.		Rating based on the amount of force in newton required to tear the material.		Rating based on the amount of force in newton required to pierce the material with a standard-sized point.		Testing method according to ISO13997. Based on the average load in newton required to achieve a cut by a straight blade. An 'X' indicates that the test is not applicable.		An optional test measuring the impact resistance. A 'P' indicates that the glove meets the requirement.	
CYCLES	RATING	FACTOR	RATING	NEWTON	RATING	NEWTON	RATING	NEWTON	RATING	NEWTON	RATING
		20.0	5					≥ 30	F		
8000	4	10.0	4	75	4	150	4	≥ 22	E		
2000	3	5.0	3	50	3	100	3	≥ 15	D		
500	2	2.5	2	25	2	60	2	≥ 10	C		
100	1	1.2	1	10	1	20	1	≥ 5	B		
<100	0	<1.2	0	<10	0	<20	0	≥ 2	A		

