

# EN388 EXPLAINED



## GLOVE PROTECTION Against Mechanical Hazards (UK, Europe & Australia)

### EN388:2016+A1:2018

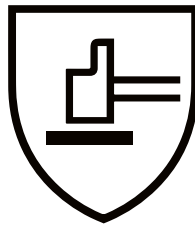
The characters under the pictogram, four numbers and one or two letters, indicates the protection level of the glove. The higher the value the better the result. Example of highest score 4544FP.

NOTES: If an 'X' is present it means the test was not carried out or is not applicable.

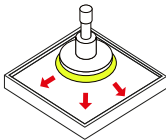
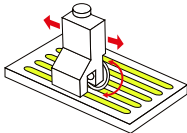
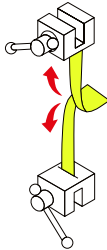
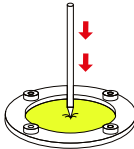
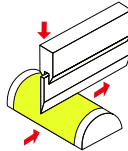
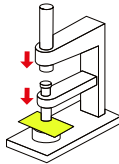
If the new TDM-100 test was conducted an 'X' can be placed in position two.

The sixth digit will only be present if the gloves are intended for impact protection.

### EN388



4 X 4 2 D P

Abrasion Resistance	Cut (Coup) Resistance	Tear Resistance	Puncture Resistance	Cut (TDM-100) ISO13997	Impact Protection																																																																								
Number of revolutions of sand paper required to abrade through	Number of cycles of a circular spinning blade with a fixed load to cut through	Amount of force required to tear the fabric	Amount of force required to pierce using a similar sized point as a roofing nail	Number of linear sweeps of a rectangle blade with a vertical force to cut through	Only for gloves intended for protection against impact. 4 tests on knuckles impacts $\geq 7\text{kn}$																																																																								
																																																																													
<table><tr><th>Rubs</th><th>Rating</th></tr><tr><td>8000</td><td>4</td></tr><tr><td>2000</td><td>3</td></tr><tr><td>500</td><td>2</td></tr><tr><td>100</td><td>1</td></tr><tr><td>&lt;100</td><td>0</td></tr></table>	Rubs	Rating	8000	4	2000	3	500	2	100	1	<100	0	<table><tr><th>Factor</th><th>Rating</th></tr><tr><td>20.0</td><td>5</td></tr><tr><td>10.0</td><td>4</td></tr><tr><td>5.0</td><td>3</td></tr><tr><td>2.5</td><td>2</td></tr><tr><td>1.2</td><td>1</td></tr><tr><td>&lt;1.2</td><td>0</td></tr></table>	Factor	Rating	20.0	5	10.0	4	5.0	3	2.5	2	1.2	1	<1.2	0	<table><tr><th>Newton</th><th>Rating</th></tr><tr><td>75</td><td>4</td></tr><tr><td>50</td><td>3</td></tr><tr><td>25</td><td>2</td></tr><tr><td>10</td><td>1</td></tr><tr><td>&lt;10</td><td>0</td></tr></table>	Newton	Rating	75	4	50	3	25	2	10	1	<10	0	<table><tr><th>Newton</th><th>Rating</th></tr><tr><td>150</td><td>4</td></tr><tr><td>100</td><td>3</td></tr><tr><td>60</td><td>2</td></tr><tr><td>20</td><td>1</td></tr><tr><td>&lt;20</td><td>0</td></tr></table>	Newton	Rating	150	4	100	3	60	2	20	1	<20	0	<table><tr><th>Newton</th><th>Rating</th></tr><tr><td>2 - 4.9</td><td>A</td></tr><tr><td>5 - 9.9</td><td>B</td></tr><tr><td>10 - 14.9</td><td>C</td></tr><tr><td>15 - 21.9</td><td>D</td></tr><tr><td>22 - 29.9</td><td>E</td></tr><tr><td>30+</td><td>F</td></tr></table>	Newton	Rating	2 - 4.9	A	5 - 9.9	B	10 - 14.9	C	15 - 21.9	D	22 - 29.9	E	30+	F	<table><tr><th colspan="2">Impact Protection</th></tr><tr><td>Passed</td><td>P</td></tr><tr><td>Failed</td><td>F</td></tr><tr><td>Not Tested</td><td>X</td></tr></table>	Impact Protection		Passed	P	Failed	F	Not Tested	X
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NOTE: The new EN388:2016+A1:2018 introduced 2 additional tests that mean gloves carry new coding that can be identified by a 5 or 6 digit score. The last 2 digits are the new tests that were added in 2016.