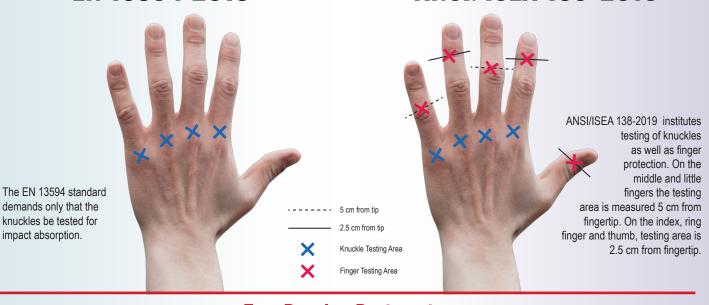
Comparison of Impact Testing Standards – EN 13594:2015 vs ANSI/ISEA 138-2019

	Glove is cut horizontally in half top of hand is tested	5.5lb (2.5kg) polished steel drop striker	Dropped 8 inches	Knuckles are tested	Fingers are tested	Must register less than 9 kN of force	Reports as a pass or fail	Reports as levels 1-3
EN 13594:2015	4	1	1	1	X	1	1	X
ANSI/ISEA 138-2019	4	1	1	1	1	1	X	4



ANSI/ISEA 138-2019



Test Results: Designation





X (or unmarked) Not Tested





ANSI/ISEA 138

ANSI/ISEA 138-2019 - Where To Test?





Three different individuals with appropriately sized hands try on the glove.



While firmly gripping a cylindrical bar, a point is made where each knuckle is most prominent.



A triangle is then drawn to connect the points from all three individuals. The center of these triangles becomes the test area.

Testing Process





Temperature Matters

Impact protection made of TPU, TPR and other polyurethane mixtures can be modified from product to product. While the ANSI/ISEA 138-2019 standard identifies the ability of a glove to withstand impact and protect hands under ideal conditions, variations in temperature can greatly affect the effectiveness of impact protection.

Internal evaluation should be done for each unique situation to identify the effectiveness of a glove at absorbing impact.

