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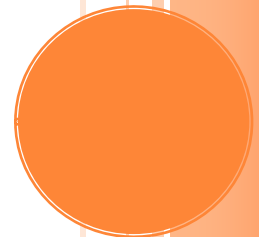
UNDERSTANDING THE NEW ANSI/ISEA CUT STANDARD

ANSI/ISEA 105-2016

The new cut-resistant standard increases the number of cut levels from 5 to 9 for greater clarity.

Rob Vajko

9/27/2016



Understanding the new ANSI/ISEA Cut Standard

ANSI/ISEA 105-2016

The new ANSI/ISEA 105-2016 standard for cut resistance now has 9 levels of cut resistance instead of 5. The reason for this new standard has to do with the gamut covered by cut level 4 and cut level 5 in the old standard. Cut level 4 spanned from 1500g of cut resistance to 3499g of cut resistance while cut level 5 spanned from 3500g to over 7000g. This meant that, although two gloves might both be rated as a cut level 5 glove, one could, in fact, have twice the cut resistance of the other (where the one glove is rated at 3500g and the other one at 7000g). The new standard eliminates the cut level 4 and 5 of the old standard and replaces them with 6 narrower, more defined ones as seen in the graph on the following page.

The new standard is differentiated from the old standard by the letter A in front of the cut level. The new standard therefore lists the cut level as ANSI A1, ANSI A2, ANSI A3, etc...

Be aware, however, that because the new standard is not mandatory, you might not see certain manufacturer making the switch, especially if it means footing the cost of retesting each glove. It is therefore up to you as the end user to make sure you pay attention to the rating itself, printed on the glove to see if it is a plain ANSI 1, ANSI2, etc... or the new ANSI A1, ANSI A2, etc...

