

American ANSI/ISEA 105-2016 Revision | Hand Safety Standards

ANSI/ISEA 105-2016 addresses the classification and testing of hand protection for specific performance properties related to mechanical protection (cut-resistance, puncture resistance, and abrasion resistance), chemical protection (permeation resistance, degradation), and other performance characteristics such as ignition resistance and vibration reductions based on standardized test methods.

The three key areas to know about are:

1. Expanded Cut-Resistance Ratings
2. New Needle Puncture Resistance
3. Improved Testing Methods

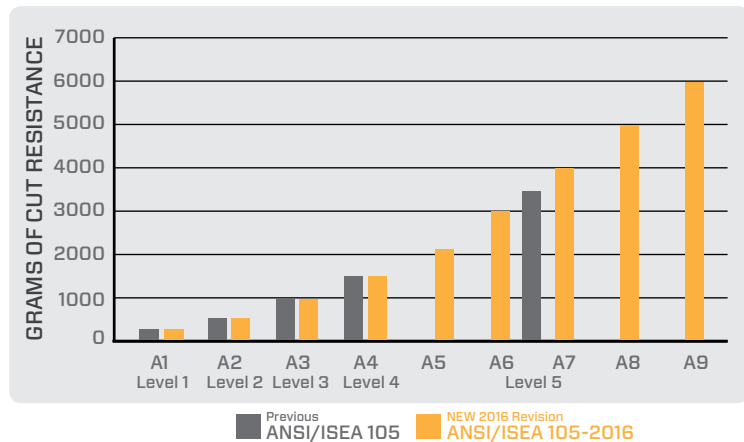
Understanding the ANSI/ISEA 105-2016 update is important when choosing the correct level of hand protection needed for workplace safety.

1 Expanded Cut-Resistance Ratings - A singular test method has been chosen and the number of classification levels has been increased from 5 to 9 levels. This 2016 updated range will now be expressed as (A1 - A9). With more accurate ratings, the end user will be able to better select the appropriate hand PPE required for their job.

NEW ANSI/ISEA 105-2016

Cut-Resistance ratings will be:

- A1** - \geq 200 gm., light cut hazards
- A2** - \geq 500 gm., light-med. cut hazards
- A3** - \geq 1000 gm., light-med. cut hazards
- A4** - \geq 1500 gm., medium cut hazards
- A5** - \geq 2200 gm., med.-high cut hazards
- A6** - \geq 3000 gm., high cut hazards
- A7** - \geq 4000 gm., high cut hazards
- A8** - \geq 5000 gm., high cut hazards
- A9** - \geq 6000 gm., high cut hazards



NEW LGS LABELS



OLD LGS LABELS



2 New Hypodermic Needle Puncture Resistance - This will address the needs of the medical, recycling, sanitation and law enforcement industries. The test procedure uses a 25mm hypodermic needle instead of the probe that is used in the puncture resistance testing.

3 Testing Improvements - While progress has been made for the ANSI/ISEA 105-2016 standard, the cut-level standards in EU EN388 have still not been passed by Feb. 1, 2016. The gap between the two standards is closing but they should still be used separately and not compared side by side.

As a leader in the Personal Protective Equipment industry, Liberty Glove and Safety will continue to serve its customers by providing high quality hand protection by incorporating a running change that is ANSI/ISEA 105-2016 compliant. As the PPE industry changes to adopt these new standards, we will continue to offer the right protection for the job. Please contact your Liberty Glove & Safety account manager if you have any additional questions at (800) 327-8333.