**ANSI 105 & EN 388**

**WHAT YOU NEED TO KNOW!**

**ANSI 105 & EN 388 BOTH TEST GLOVES FOR MECHANICAL RISKS**

**NEW ANSI CUT TEST:**

**ASTM F2992-15**

- Pulls a blade in 20mm paths across glove surface under varied gram loads and measures the weight needed to cut through.

**EN BLADE CUT:**

**COUPE TESTER MACHINE**

- Rotating blade under a fixed weight that spins on glove surface until cut through; compares results to reference fabric.

**ISO 13997:**

- Pulls a blade in 20mm paths across glove surface and measures the force needed to cut through in newtons.

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**ANISI/ISEA 105-2016 IS THE US STANDARD FOR GLOVE TESTING**

**EN 388:2016 IS THE EU STANDARD FOR GLOVE TESTING**

**EN 388:2016 IS ALSO REFERENCED GLOBALLY (CAN, MEX, AUS/NZ, S. AMERICA)**

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**2016 REVISION NOW SPECIFIES TWO EN CUT TESTS:**

- BLADE CUT & ISO 13997

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**NEW FOR '16**

**EN 388:2016**

**START HERE:**

- Blade Cut & ISO 13997

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**NEW ANSI 105-2016**

**USE ISO 13997 CUT TEST.**

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**IF GLOVE MATERIAL DULLS COUPE TESTER BLADE,**

- **USE ISO 13997 CUT TEST.**

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**ANSI 105 PRE-2016**

- **A1** ≥ 200g
- **A2** ≥ 500g
- **A3** ≥ 1,000g
- **A4** ≥ 1,500g
- **A5** ≥ 2,500g

**NEW ANSI 105-2016**

- **A1** ≥ 200g
- **A2** ≥ 500g
- **A3** ≥ 1,000g
- **A4** ≥ 1,500g
- **A5** ≥ 2,000g
- **A6** ≥ 4,000g
- **A7** ≥ 5,000g
- **A8** ≥ 8,000g
- **A9** ≥ 10,000g

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**EN 388:2016**

- **CUT 1** ≥ 1.2
- **INDEX:** ≥ 1.2
- **CUT 2** ≥ 2.5
- **INDEX:** ≥ 2.5
- **CUT 3** ≥ 5.0
- **INDEX:** ≥ 5.0

**NEW ANSI 105-2016**

- **CUT 1** ≥ 200g
- **INDEX:** ≥ 1.2
- **CUT 2** ≥ 500g
- **INDEX:** ≥ 2.5
- **CUT 3** ≥ 1,000g
- **INDEX:** ≥ 5.0

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**ANSI/ASTM CUT LEVEL**

- **A1** ≥ 200g
- **A2** ≥ 600g
- **A3** ≥ 1,000g
- **A4** ≥ 1,500g
- **A5** ≥ 2,000g
- **A6** ≥ 4,000g
- **A7** ≥ 5,000g
- **A8** ≥ 8,000g
- **A9** ≥ 10,000g

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**ASTM & ISO CUT TESTS NOW ALLOW FOR A MORE ACCURATE COMPARISON.**