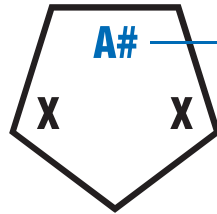




## GUIDE TO UNDERSTANDING CUT RESISTANCE ACCORDING TO ANSI/ISEA 105-2024 STANDARDS

Cut resistance in occupational gloves are measured on a scale of either A1-thru-A9 based on the [ANSI/ISEA 105-2024 standard](#) or 0-to-5 / A-thru-F based on the EN388:2016 standard. It is important to understand the protection levels associated with each standard as well as the most appropriate levels for specific applications.

### ANSI/ISEA 105-2024



**Cut Resistance Level**

*Cut resistance standard from the American National Standards Institute (ANSI) and International Safety Equipment Association (ISEA) became effective in 2024.*

ANSI/ISEA 105-2024 CUT STANDARD			
CUT LEVEL RATING	RESISTANCE (Grams)	PROTECTION LEVEL	APPLICATIONS
A1	>200	Very Low	Screwing and unscrewing / Inspection and packing of small components / Shipping and receiving / Warehouse work / Raw materials reception / General handling
A2	>500	Low	Wire assembly and fastening / Metal part and component assembly / Light metal presses / Whitegoods assembly / Glass repair / Plastics injection and moulding / Grinding and fettling / Building materials handling / Stamping operations
A3	>1,000	Moderate	Raw materials handling / Glass manufacturing / Hardware assembly / Glass or metal sheet handling / Stamping / Body shop work (excluding welding)
A4	>1,500	Moderate to High	Metal parts and components assembly / Automated welding and feeding / Metal finish inspection / Machine tool operation / Sheet metals and metalwork
A5	>2,200	High	Waste handling (recycling and sorting glass, cans or other metal pieces) / Handling heavy loads and metal edges / Handling glass sheets or shard-edged objects
A6	>3,000	High to Very High	Maintenance work / Materials handling
A7	>4,000	Very High	Cutting of dry, painted or galvanised metal pieces / Maintenance work / Stamping
A8	>5,000	Very High to Extreme	Heavy assembly / Machining and grinding
A9	>6,000	Extreme	Metal press work / Primary assembly