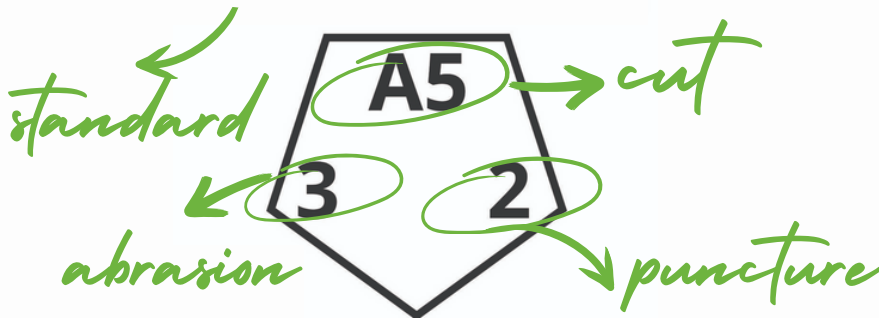


# Key to Hand Classifications

ANSI/ISEA 105-2024 establishes performance levels, testing and classification for gloves designed to provide abrasion resistance while performing occupational tasks.

## ANSI/ISEA 105



### CUT RESISTANCE

Cut Levels	Protects Against	Applications By Cut Level
<b>A1</b> Light cut hazards (200 gf)	Protect against scrapes	Material handling, small parts assembly (sharp edges), packaging, warehouse, general purpose, forestry, construction, pulp and paper, automotive assembly
<b>A2</b> Light/Medium cut hazards (500 gf)		
<b>A3</b> Light/Medium cut hazards (1000 gf)		
<b>A4</b> Medium cut hazards (1500 gf)	Protect against cuts for which stitches would be required	Appliance manufacturing, bottle and light glass handling, canning, drywall work, electrical, carpet installation, HVAC, pulp and paper, automotive assembly, metal fabrication and handling, packaging, warehouse, aerospace industry, food/prep processing
<b>A5</b> Medium/Heavy cut hazards (2200 gf)		
<b>A6</b> High cut hazards (3000 gf)	Protection against brutal or extreme injuries	Metal stamping, metal recycling, pulp and paper (changing slitter blades), automotive assembly, metal fabrication, sharp metal stampings, glass manufacturing, window manufacturing, recycling plant/sorting, HVAC, food prep/processing, meat processing, aerospace industry
<b>A7</b> High cut hazards (4000 gf)		
<b>A8</b> High cut hazards (5000 gf)		
<b>A9</b> High cut hazards (6000 gf)		

\*gf - grams-force

### ABRASION RESISTANCE

500 GRAM LOAD	
<b>0</b>	< 100 Revolutions
	N/A
<b>1</b>	≥ 100 Revolutions
	LIGHT
<b>2</b>	≥ 500 Revolutions
	LIGHT - MEDIUM
<b>3</b>	≥ 1000 Revolutions
	MEDIUM
1000 GRAM LOAD	
<b>4</b>	≥ 3000 Revolutions
	MEDIUM - HEAVY
<b>5</b>	≥ 10000 Revolutions
	HEAVY
<b>6</b>	≥ 20000 Revolutions
	EXTRA HEAVY

### PUNCTURE RESISTANCE

Puncture (Newtons) non-hypodermic needle	
<b>0</b>	< 10
	Paper/Cardboard Cuts, Light Material Handling, Parts Assembly
<b>1</b>	≥ 10
	Light Construction, Material Handling, Parts Assembly, Packaging
<b>2</b>	≥ 20
	Light Construction, Material Handling, Parts Assembly, Packaging
<b>3</b>	≥ 60
	Construction, Light Metal Stamping, Light Glass Handling, Manufacturing
<b>4</b>	≥ 100
	Construction, Metal Stamping, Glass Handling, Recycling, Injection Molding
<b>5</b>	≥ 100
	Oil & Gas, Mining, Heavy Construction, Demolition, Manufacturing, Fabrication