ANSI/ISEA CLASSIFICATIONS
CUT RESISTANCE

LEVEL			WEIGHT (GRAMS)	APPLICATIONS	EXAMPLES
CUT HAZARD	Light	ANSI A1 CUT	≥ 200	Maintenance, Material Handling, Small Parts Assembly, Warehouse	 **TUF-COR™ TOUCH** #6992
	Light - Medium	ANSI A2 CUT	≥ 500	Assembly, Appliance Manufacturing, Auto Repair, Construction/Remodeling, Maintenance, Material Handling, Metal Fabrication	 **BLACK LABEL™ Red** #3705
		ANSI A3 CUT	≥ 1000	Assembly, Appliance Manufacturing, Auto Repair, Construction/Remodeling, Maintenance, Material Handling, Metal Fabrication	 **CALIBER™ TOUCH** #3716T
	Med - High	ANSI A4 CUT	≥ 1500	Aerospace, Appliance Manufacturing, Automotive, Construction/Remodeling, Glass Handling, HVAC, Machining, Metal Fabrication, Stamping, Paper/Pulp Production	 **MACHINIST™** #3734
		ANSI A5 CUT	≥ 2200	Aerospace, Appliance Manufacturing, Automotive, Bottling/Canning, Construction/Remodeling, Flooring Installation, Glass Handling, HVAC, Machining, Metal Fabrication, Stamping, Paper/Pulp Production	 **SABRE™** #3350
	High	ANSI A6 CUT	≥ 3000	All of the Above Plus Meat Processing, Recycling, Window Manufacturing	 **POWER-COR™ ULTRA** #3051
	High-Heavy	ANSI A7 CUT	≥ 4000	Automotive Demolition, High-Grip Applications, Sheet Metal Handling, Welding	 **COMMANDER™ FOAM** #3732F
	Heavy	ANSI A8 CUT	≥ 5000	Automotive Demolition, Heavy Equipment Maintenance, High-Grip Applications, Oil & Gas, Pulp & Saw Mills, Sheet Metal Handling, Welding	
	Extreme	ANSI A9 CUT	≥ 6000	Automotive Demolition, Heavy Equipment Maintenance, High-Grip Applications, Oil & Gas, Pulp & Saw Mills, Sheet Metal Handling, Welding	

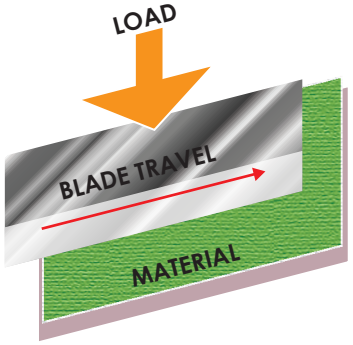

Fig 1. Testing for Cut Resistance with a Blade Under Load

Cut Resistance (ANSI/ISEA 105): To determine cut resistance, a test sample is cut by a straight-edge blade, under load, that moves along a straight path. The sample is cut five times, each under three different loads, and the data is used to determine the required load to cut through the test sample at a distance of 2mm (0.8 inches). Test scores are expressed in Levels and in the number of grams (load). The higher the number of grams, the more cut resistant the material.