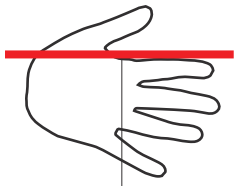
HAND PROTECTION
GLOVE STANDARDS

GLOVE SIZING

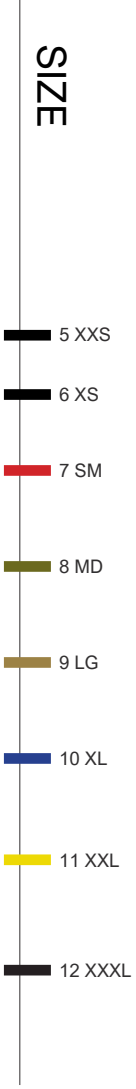


METHOD 1

- Print this sizing gauge at 100% (printer setting must be set to "fit to page" to be accurate).
- Place the side of your index finger next to the red line as shown in the diagram to the right. The number closest to your hand will be the recommended glove size for you.

METHOD 2

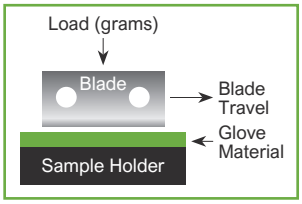
- Using a measuring tape, measure the circumference of your hand just below the knuckles. Refer to the chart below to determine your size.



MEASUREMENT	GLOVE SIZE
5"	XXS
6"	XS
7"	SM
8"	MD
9"	LG
10"	XL
11"	XXL
12"	XXXL

Glove Standards: Two standards are in place to quantify the physical properties of hand protection. ANSI/ISEA 105 is a voluntary US standard that specifies test methods and provides performance ranges for many different properties including chemical resistance, cut resistance, puncture resistance and abrasion resistance. CE/EN 388 is a mandatory European standard that dictates test methods and performance ranges for gloves that provide protection against mechanical risks (abrasion, cut, tear and puncture).

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.



ANSI/ISEA CLASSIFICATIONS FOR CUT RESISTANCE

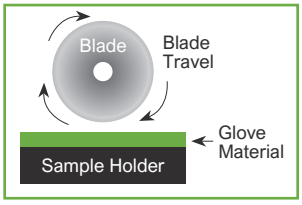
PREVIOUS CLASSIFICATIONS

LEVEL	WEIGHT (GRAMS)
0	< 200
1	200 - 499
2	500 - 999
3	1000 - 1499
4	1500 - 3499
5	> 3500

NEW CLASSIFICATIONS

LEVEL	WEIGHT (GRAMS)
A1	≥ 200
A2	≥ 500
A3	≥ 1000
A4	≥ 1500
A5	≥ 2200
A6	≥ 3000
A7	≥ 4000
A8	≥ 5000
A9	≥ 6000

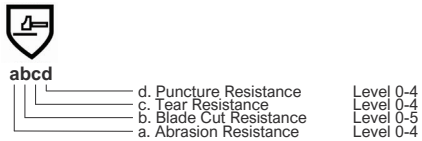
Cut Resistance (CE/EN 388 Testing): The machine used to perform the CE/EN 388 cut resistance test is called a Coup Tester. This machine uses a circular blade, under a fixed load, that moves back and forth across the sample until cut-through is achieved. The cut resistance of the test sample compared to the cut resistance of a standard reference material and a cut index is assigned.



	0	1	2	3	4	5
a. Abrasion (cycles)	< 100	100	500	2000	8000	---
b. Blade Cut (factors)	< 1.2	1.2	2.5	5.0	10.0	20.0
c. Tear (newtons)	< 10	10	25	50	75	---
d. Puncture (newtons)	< 20	20	60	100	150	---

CE/EN 388 MARKINGS

PREVIOUS MARKINGS



NEW MARKINGS