
DuPont™
KEVLAR®
POWER OF PERFORMANCE
KS-5®
KEVLAR®-STEEL
KS-5 combines DuPont™ Kevlar® and Stainless Steel construction to deliver CE cut level 5 protection. A textured latex coating provides an enhanced grip and puncture protection.
Hand Protection
KS-5 earns the highest CE cut level performance CE5.
CE 5
CPPT 4
MCR SAFETY
MEMPHIS GLOVE CREWS RIVER CITY
MCR Safety is a Licensed DuPont™ Kevlar® Glove Manufacturer

9389

KS-5 KEVLAR® - STEEL
13 Gauge Kevlar®/Stainless Steel/Nylon Fiber Seamless Shell, Textured Latex Dip on Palm & Finger Tips
CE Cut Level 5
CPPT Cut Level 4
Food Service Compliant - component materials comply with all federal regulations for food contact.
Sizes: S, M, L, XL

FEATURES: Superior Cut Protection with Enhanced Grip

KS-5 provides higher levels of cut protection with enhanced grip in a lightweight, high dexterity shell for applications such as framing, glass & window installation, sharp part handling & assembly, sheet metal pressing and light stamping.

Possible Industries include:

Aerospace	Automotive
Construction	Glass
Metal	Pulp & Paper
Plastics	Public Utilities
Recycling	Salvage

KS-5 is not intended for energized electrical use due to the steel content.

Hand Protection Test Methods

EUROPEAN DIRECTIVES FOR PERSONAL PROTECTIVE EQUIPMENT

A European Directive establishing harmonized standards for all PPE items used in the European Union went into effect during 2004. Many of our hand protection offerings reflect the CE logo and a 4 digit performance rating that measure abrasion, cut, tear, and puncture resistance (ACTP). Listed below are the four physical tests that are required for protective gloves under European Standard EN388 and the results necessary to obtain each performance level rating.

Criteria **Performance Guide for EN 388: Mechanical Hazards**

	Performance Level	0	1	2	3	4	5
A	Abrasion Resistance (Cycles)	< 100	100+	500+	2000+	8000+	N/A
C	Blade Cut Resistance (Index)	< 1.2	1.2+	2.5+	5.0+	10.0+	20.0+
T	Tear Resistance (Newtons)	< 10	10+	25+	50+	75+	N/A
P	Puncture Resistance (Newtons)	< 20	20+	60+	100+	150+	N/A

A glove's overall performance score is indicated by a series of four numbers (0-4). Note cut resistant scores can reflect 5 as their highest ranking. These four numbers represent (in order) the four test criteria listed above. The higher the numbers, the better the performance. Manufacturers may use an "X" to indicate not tested.

CPPT

ANSI/ISEA 105

In effort for our hand protection industry to have a standard performance level analysis, the International Safety Equipment Association (ISEA) in conjunction with American National Standards Institute (ANSI) created test protocol known as ASTM F1790-97. Many of our cut resistant products reflect scores based on the portion of this standard for cut resistance which was developed in 1997. This cut protection performance test is often referred to as CPPT. Changes to the cut resistant protocol are pending at this time and may be adopted. The pending test protocol may require revisions to our advertised scores.

This test method is significantly different than the CE cut resistant method. Cut resistance with a weighted gram load is measured in relation to distance to cut. A total of fifteen cuts (each with a new blade) are conducted. Five cuts each are made at three different gram loads. Test values are scaled based on the blade performance with a neoprene rubber material.

Recognize performance levels for CE and ANSI/ISEA 105 are different test methods and are calculated differently. Grams are used for the ANSI/ISEA 105 and the EN388 uses an "index" with a different scale for scoring. Test methods cannot be directly related. Different standards mean different performance at the same "level".

		Level 0	Level 1	Level 2	Level 3	Level 4	Level 5
ANSI/ISEA 105							
Cut	Grams	< 200	> 200	> 500	> 1000	> 1500	> 3500

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Individually packaged and labeled with the CE and CPPT test results with explanations of the testing methods.

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