

Cut Protection Guide



MCR SAFETY

WE PROTECT PEOPLE

Innovations Technology Center (ITC Lab)



MCR Safety Innovations Technology Center
685 Highway 72
Piperton, TN 38017



In July of 2016, the MCR Safety's Innovations Technology Center had the pleasure of becoming one of the first North American testing labs to receive the ISO/IEC 17025 accreditation under the ANSI/ISEA 105 scope.

ISO/IEC 17025:2005 is the single most important standard for testing laboratories around the world.

Laboratories accredited to this international standard have demonstrated they are technically competent and able to produce precise and accurate test and/or calibration data.

MCR Safety's Innovations Technology Center (ITC) began operation in 2010. The three objectives at the forefront of the ITC lab development were:

1. Increase our ability to monitor the quality of incoming products produced at our factories.
2. Utilize the in-house testing laboratory, to increase Research & Development of new products and technologies.
3. Ensure that in-market comparisons between MCR Safety products and competitor products are viable. In other words, we want to ensure we are comparing apples-to-apples, and not apples-to-oranges.

*All testing performed for MCR Safety distributors is done free of charge.

The full scope of the accreditation includes the following tests:



Cut Resistance Testing



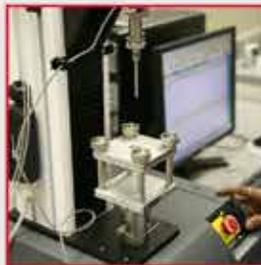
Test Method
ASTM F2992-15

Abrasion Resistance Testing



Test Method
ASTM D3389-15
Coated Gloves
ASTM D3884-09
Uncoated Gloves

Puncture Resistance Testing



Test Method
EN 388-16

Tear Resistance Testing



Tear Testing
EN 388-16

Conductive (Contact) Heat Resistance Test



Test Method
ASTM F1060-08

"Integrity is doing what you say you will do" - Chuck Swindoll

Any glove company can market a cut resistant glove, however, has it passed the quality management testing process of an ISO 17025 laboratory which validates the performance levels? You can have 100% confidence that MCR Safety product will perform to the advertised cut resistant levels. These tests are not audited by OSHA or any government agency so it's up to the purchaser to determine the accuracy of testing. MCR Safety takes the guess work out by having our accredited lab perform testing so you can have 100% confidence that any MCR Safety product will perform to the advertised levels.

WE PROTECT PEOPLE!

Equipment: Tomodynamometer TDM-100

Blade Validation: Before and after each sample specimen is tested, the blades must be checked, to ensure the effective sharpness of the cutting edge.

Sample Prep:

- Three glove samples are required to perform the test
- The glove samples must be conditioned to specific environmental conditions
- A 2"x 4" swatch cut from the palm of each glove at a 45-degree angle
- The test sample is then mounted to the mandrel of the machine

Testing:

- Each of the three glove samples will receive a total of 15 cut through measurements.
- The 15 cut through measurements are broken out into 3 distinct distances:
- 5 data points in the 5mm to 20mm cut through distance range
- 5 data points in the 20mm to 33mm cut through distance range
- 5 data points in the 33mm to 50mm cut through distance range
- The plotting of these data points on graph, enables us to find the cut through distance at 20mm of blade travel.

Data Recorded:

	Sample 1 1820			Sample 2 1810			Sample 3 1718		
	Load (gf)	Distance (mm)	Norm. Distance (mm)	Load (gf)	Distance (mm)	Norm. Distance (MM)	Load (gf)	Distance (mm)	Norm. Distance (MM)
Calibration Cut (Before)	500	15.85		500	15.31		500	17.80	
1	2000	9.06	11.63	2000	7.83	9.46	2000	18.05	19.25
2	2000	9.37	12.03	2000	13.90	16.79	2000	5.74	6.12
3	2000	12.46	15.99	2000	6.75	8.15	2000	8.89	9.48
4	2000	5.02	6.44	2000	8.67	10.47	2000	15.26	16.28
5	2000	5.08	6.52	2000	8.96	10.82	2000	8.02	8.55
6	1800	24.44	31.37	1800	31.69	38.28	1600	20.86	22.25
7	1800	26.62	34.17	1800	20.28	24.50	1600	21.18	22.53
8	1800	20.80	26.70	1800	20.41	24.86	1600	24.94	26.60
9	1800	31.20	40.05	1800	20.14	24.33	1600	27.59	29.43
10	1800	20.39	26.17	1800	26.79	32.36	1600	28.30	30.15
11	1400	44.80	57.51	1400	33.17	40.07	1400	40.77	43.49
12	1400	33.44	42.93	1400	33.46	40.42	1400	33.20	35.41
13	1400	40.60	52.12	1400	33.11	40.00	1400	38.15	40.69
14	1400	33.03	42.40	1400	35.05	42.34	1400	39.11	41.72
15	1400	40.11	51.49	1400	41.10	49.65	1400	33.47	35.70
Calibration Cut (After)	500	15.31		500	17.80		500	19.70	
RESULTS	Sharpness Correction	1		Sharpness Correction	1		Sharpness Correction	1	
	Reference Distance	20mm		Reference Distance	20mm		Reference Distance	20mm	
	Rating Force (gf)	1820.76		Rating Force (gf)	1809.95		Rating Force (gf)	1718.50	
	% Confidence Interval (gf)	368.50		% Confidence Interval (gf)	341.43		% Confidence Interval (gf)	291.84	
	Standard Deviation (gf)	169.65		Standard Deviation (gf)	158.04		Standard Deviation (gf)	135.09	
R-Squared	0.73		R-Squared	0.76		R-Squared	0.81		
Correction Factor	0.13		Correction Factor	0.12		Correction Factor	0.09		
Optional Sample Properties	Basis WT	3.11	Grams	Basis WT	3.59	Grams	Basis WT	3.11	Grams
	Thickness	0.37	MM	Thickness	0.86	MM	Thickness	0.99	MM

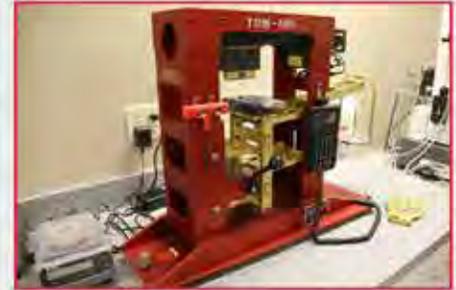
Reporting and Averaging the 3 gram scores

Average Rating Force (gf)	Cut Resistance Performance Level
1783	A4
3 Samples Tested	
ASTM F2992-15	ANSI/ISEA 105-2016
TDM-100	Section 5.11

ANSI/ISEA 105 2016 Cut Score Gram Levels

A9: 6,000+ grams to cut
A8: 5,000 to 5,999 grams to cut
A7: 4,000 to 4,999 grams to cut
A6: 3,000 to 3,999 grams to cut
A5: 2,200 to 2,999 grams to cut
A4: 1,500 to 2,199 grams to cut
A3: 1,000 to 1,499 grams to cut
A2: 500 to 899 grams to cut
A1: 200 to 499 grams to cut

Tomodynamometer TDM-100



Blade Validation



Sample Prep



Testing



Data Recorded



“It’s only after you’ve stepped outside your comfort zone that you begin to change, grow, and transform.” - Roy T. Bennett

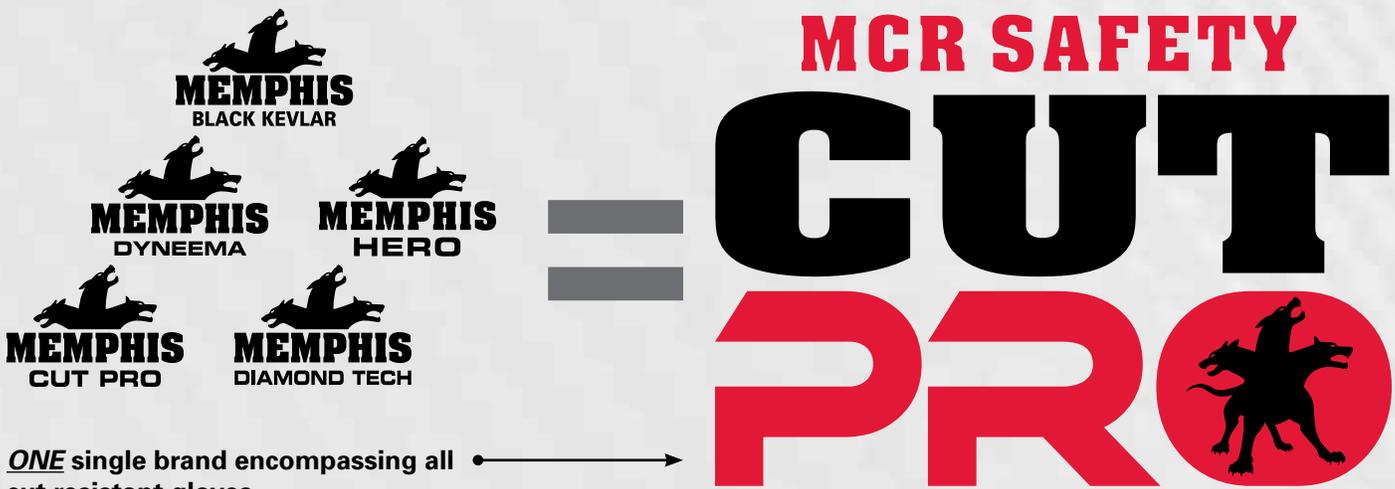
Every day consists of change and improvement so at MCR Safety we are living this out by updating the most powerful cut protection offerings in the industry with a single brand that represents the best of the best in fibers, coatings, and technology advancements as CUTPRO. One unified brand identity along with an easy identifiable ANSI cut scoring system.

Glove Shell and Coating

Guess what?! The name is changing and that’s it. The glove shell fiber combination and coating is staying exactly the same as before - No changes....Zero, Zilch, Zip, Nada

Inventory

During this transition, there is a good chance that you could receive old and new logo product however that’s the only difference. The glove is the same product that we have manufactured for years which means we still have your back. Same protection, same glove, same piece of mind in wearing Protection You Can Trust!



ONE single brand encompassing all cut resistant gloves



Understanding ANSI/ISEA 105 2016 Cut Score Gram Levels



Extreme Cut Hazards	A9: 6,000+ grams to cut
Very High Cut Hazards	A8: 5,000 to 5,999 grams to cut
High Cut Hazards	A7: 4,000 to 4,999 grams to cut
Heavy Cut Hazards	A6: 3,000 to 3,999 grams to cut
Medium to Heavy Cut Hazards	A5: 2,200 to 2,999 grams to cut
Medium Cut Hazards	A4: 1,500 to 2,199 grams to cut
Light to Medium Cut Hazards	A3: 1,000 to 1,499 grams to cut
Light Cut Hazards	A2: 500 to 999 grams to cut
Not Recommended for Cut	A1: 200 to 499 grams to cut





HyperMax™ synthetic yarns are engineered to protect against cuts and lacerations ranging from ANSI Cut Level A2 up to A9. Excellent abrasion properties and high levels of comfort are key to the success of this fiber.

#WeProtectPeople

www.mcrcsafety.com/cut-protection



Hero™ yarn takes cut protection to the next level without sacrificing comfort or dexterity. Made up of a combination of proprietary spun yarns designed and knitted exclusively in MCR Safety's spinning plant where quality is never sacrificed. #TrustedToProtect

www.mcrcsafety.com/cut-protection



Kevlar® is the original gold standard in cut protection. Ideal for applications requiring cut and heat protection in one. Patented Kevlar® engineered yarns combine cut-resistant soft-spun Kevlar® materials, high-strength inorganic yarns and elastic stretch-core yarns to deliver the best balance of protection and comfort.

#Kevlar

www.mcrcsafety.com/gloves/technology/kevlar



Dyneema® Diamond Technology is the latest patented fiber innovation from DSM Dyneema. This state-of-art technology is once again pushing forward the properties of cut resistance in a lightweight and "natural feeling" fiber.

#Dyneema

www.mcrcsafety.com/gloves/technology/dyneema

ANSI A9-A8 Cut Protection





Overall Features:

- ANSI A9 Cut Protection – extreme slice resistant
- ANSI Puncture Level 3 – prevention of penetrating hazards
- ANSI Contact Heat Level 5 – Up to 608°F thermal protection

Applications:

- Heavy Material Fabrication
- Blade Handling
- High-Risk contact with glass, wire, metal, wood



93719MK Sleeve

- 19" length – extended arm protection
- Elbow gusset – improved range of motion
- Spandex hand cuff – for stationary protection to allow use with gloves
- Gusset clip – firm attachment to undergarment
- Ambidextrous



93709MK Sleeve

- 9" length – forearm protection
- Spandex hand cuff – for stationary protection to allow use with gloves
- Ambidextrous



93130MK Apron

- 30" x 24" – torso protection
- Nylon/Neoprene neck strap – all day comfort
- Nylon waist strap

ANSI A9-A8 Cut Protection



A9 ANSI CUT ≥ 6000 Grams

Item #	Type	Gauge/ Lining	Fiber	Shell Color	Palm	Palm Color	ANSI-ISEA 125 Level 2 Cert	ANSI Abrasion	ANSI Puncture	ANSI Conductive Heat
9381	Seamless	7	SteelCore		PVC blocks 1 side		Yes	X	X	X
9382	Seamless	7	SteelCore		PVC blocks 2 sides		Yes	X	X	X
ML300A	Multi-Task	N/A	Alycore		Synthetic		Yes	4	4	X
PD2905A	Multi-Task	N/A	Alycore		Synthetic		Yes	X	3	X
92735N	Seamless	15	HyperMax™		Nitrile		Yes	3	5	X

A8 ANSI CUT ≥ 5000 Grams

Item #	Type	Gauge/ Lining	Fiber	Shell Color	Palm	Palm Color	ANSI-ISEA 125 Level 2 Cert	ANSI Abrasion	ANSI Puncture	ANSI Conductive Heat
9350	Seamless	7	SteelCore		Uncoated		Yes	X	X	X
3604HP	Leather Driver	N/A	HyperMax™		Goatskin		Yes	4	2	X
PD2954	Multi-Task	13	HyperMax™		Foam Nitrile		Yes	3	4	X



ML300A Alycore® Sizes: M-XXL
 • Alycore lined - extreme cut protection
 • Rough PVC palm - abrasion resistant
 Emergency Personnel And First Responders



PD2905A Predator™ Sizes: S-XXXL
 • Alycore lined - extreme cut protection
 • Synthetic suede palm with polymer pads - tactile grip
 Scrap/Barbwire/Rebar Handling



9382 Steelcore® II Sizes: XS-XL
 • Dual wrapped engineered yarn - extreme cut protection
 • Double sided PVC blocked - increased grip/longevity
 • Bleachable material - greater launderability
 Meat Packing, Food Processing, Food Service



92735N Sizes: S-XXL
 • Hypermax™ engineered yarn - greater cut resistance
 • Nitrile coated - wet/dry grip
 Handling Extremely Sharp Materials



3604HP HPPE Sizes: M-XL
 • Premium goatskin - high tensile strength
 • Breathable abrasive protection
 Heavy Metal Handling/Fabrication



PD2954 Predator™ Sizes: M-XXL
 • Hypermax™ engineered yarn - breathable abrasive protection
 • Foam nitrile coated with EVA padded palm - wet/dry grip with vibration reduction
 Paper Production, High-Risk Impact Tasks

ANSI A7 Cut Protection



93861 HERO Sizes: S-XXL

- Hero™ fiber made with DuPont™ Kevlar®
 - Split cowhide leather palm - extreme abrasion
 - Reinforced over-edge thumb - extended wear life
- Rebar, Metal Stamping, Sheet Metal, Recycling

A7 ANSI CUT ≥ 4000 Grams

Item #	Type	Gauge/ Lining	Fiber	Shell Color	Palm	Palm Color	ANSI-ISEA 125 Level 2 Cert	ANSI Abrasion	ANSI Puncture	ANSI Conductive Heat
93861	Seamless	7	Hero™		Split Cow		Yes	5	5	3
93857	Seamless	7	Hero™		PVC dots 1 side		Yes	3	X	X
93859	Seamless	7	Hero™		PVC dots 2 sides		Yes	3	X	X
93868	Seamless	7	Hero™		PVC stripes		Yes	3	X	X
92743BP	Seamless	13	HyperMax™		Bi-Polymer		Yes	3	5	X
9345D	Seamless	7	Spectra®		Uncoated		Yes	X	X	X
9349D	Seamless	7	Spectra®		Uncoated		Yes	X	X	X



93857 Sizes: M-XL
 • Hero™ fiber - Kevlar® and Synthetic combo
 • Single sided PVC dots - increased grip
 • Reinforced over-edge thumb - extended wear life
 Process Assembly, Metal Stamping, Machining Parts



93859 Sizes: M-XL
 • Hero™ fiber - Kevlar® and Synthetic combo
 • Double sided PVC dots - increased grip/longevity
 • Reinforced over-edge thumb - extended wear life
 Process Assembly, Metal Stamping, Machining Parts



93868 Sizes: XS-XL
 • Hero™ fiber - Kevlar® and Synthetic combo
 • Single sided PVC stripe - increased grip
 • Reinforced over-edge thumb - extended wear life
 Process Assembly, Metal Stamping, Machining Parts



92743BP Sizes: S-XXL
 • Hypermax™ engineered yarn - puncture resistant palm
 Glass, Recycling, Contact With Jagged Edges



9345D Sizes: XS-XL
 • 15 times stronger than steel
 • Made with FDA accepted material for use in food processing
 Food Processing, Canning, Stationary Blade Changeouts



9349D Sizes: XS-XL
 • 15 times stronger than steel
 • Made with FDA accepted material for use in food processing
 Food Processing, Canning, Stationary Blade Changeouts

ANSI A6 Cut Protection



92763PU Sizes: M-XXL

- Hypermax™ engineered yarn - breathable abrasive protection
- Polyurethane (PU) coated - excellent abrasion resistance
Ceramic Tiles, Plastic Moldings, Metal Scraps

A6 ANSI CUT ≥ 3000 Grams

Item #	Type	Gauge/ Lining	Fiber	Shell Color	Palm	Palm Color	ANSI-ISEA 125 Level 2 Cert	ANSI Abrasion	ANSI Puncture	ANSI Conductive Heat
9672DT5	Seamless	10	Dyneema®	White	Foam Nitrile	Blue	Yes	4	4	X
93840	Seamless	13	Hero™	Yellow	Uncoated	Yellow	Yes	3	X	2
93842	Seamless	13	Hero™	Yellow	PVC Fingertips	Blue	Yes	3	X	X
93847	Seamless	13	Hero™	Yellow	PVC dots 1 side	Blue	Yes	3	X	X
93867	Seamless	7	Hero™	Grey	PVC dots 1 side	Blue	Yes	3	X	X
93860	Seamless	7	Hero™	Grey	Uncoated	Grey	Yes	X	X	3
92720HV	Seamless	10	HyperMax™	HV	Foam Nitrile	HV	Yes	6	4	X
92720NF	Seamless	10	HyperMax™	Black	Foam Nitrile	Black	Yes	4	4	X
92763PU	Seamless	13	HyperMax™	Black	Polyurethane	Black	Yes	5	3	X
92743PU	Seamless	13	HyperMax™	White	Polyurethane	White	Yes	5	4	X
982	Multi-Task	N/A	HyperMax™	HV	MAXGrid™	Black	Yes	3	5	X
9356	Seamless	10	SteelCore	White	Uncoated	White	Yes	X	X	X



9672DT5 Sizes: XS-XXL
 • Dyneema® Diamond Technology - protection without fiberglass
 • Stainless steel reinforced - increased cut resistance
 • Foam nitrile coated - wet/dry grip
 Metal Fabrication, Plastic Moldings, Raw Glass Handling



93840 Sizes: XS-XL
 • Hero™ fiber - Kevlar® and Synthetic combo
 • Uncoated - excellent sense of touch
 Meticulous Processes, Sheet Metal Assembly, Machining Parts



92743PU Sizes: S-XXL
 • Hypermax™ engineered yarn - breathable abrasive protection
 • Polyurethane (PU) coated - excellent abrasion resistance
 Glass, Recycling, Contact With Jagged Edges



92720HV Sizes: S-XXL
 • Hypermax™ engineered yarn - breathable abrasive protection
 • Stainless steel reinforced - increased cut resistance
 • Foam nitrile coated - wet/dry grip
 Construction of Metal/Wood Structures, Recycling Sorting



92720NF Sizes: S-XXL
 • Hypermax™ engineered yarn - breathable abrasive protection
 • Stainless steel reinforced - increased cut resistance
 • Foam nitrile coated - wet/dry grip
 Mechanic Tasks, Pipe Fitting, Scrap Sorting



982 Sizes: M-XXL
 • Hypermax™ engineered yarn lined w/100g Thinsulate™
 • MAXGrid™ material on the palm for grip in dry, wet and oily conditions
 Winter Climates, Cold Storage

ANSI A5 Cut Protection



A5 ANSI CUT ≥ 2200 Grams

Item #	Type	Gauge/ Lining	Fiber	Shell Color	Palm	Palm Color	ANSI-ISEA 125 Level 2 Cert	ANSI Abrasion	ANSI Puncture	ANSI Conductive Heat
9828PU	Seamless	18	Aramid		Polyurethane		Yes	3	2	X
9672DT5PU	Seamless	10	Dyneema®		Polyurethane		Yes	4	4	X
N9690TC	Seamless	13	Dyneema®		Bi-Polymer		Yes	4	4	X
MC503	Multi-Task	N/A	Dyneema®		Goatskin		Yes	4	X	X
36136HP	Leather Driver	N/A	HyperMax™		Goatskin		Yes	3	3	X
36336K	Leather Driver	13	Kevlar®		Goatskin		Yes	X	X	X



9828PU Sizes: XS-XXL

- Hypermax™ engineered yarn - breathable cut/abrasive protection
- Polyurethane (PU) coated - excellent abrasion resistance
Connecting Metal Components, Fabricating Duct Work, Sheet Metal Fab



9672DT5PU Sizes: S-XXL

- Dyneema® Diamond Technology - protection without fiberglass
- Stainless steel reinforced - greater cut resistance
- Polyurethane (PU) coated - excellent abrasion resistance
Metal Stamping, Pipe Cutting



N9690TC Sizes: S-XXL

- Acrylic insulated - Cold weather protection
- Dyneema® Diamond Technology - protection without fiberglass
- Bi-polymer coated - increased puncture resistance
Cold Storage Package Handling, Brick Laying



MC503 Sizes: S-XXL

- Premium goatskin palm - high tensile strength
- Dyneema® Diamond Technology lined - protection without fiberglass
- Reinforced thumb crotch - extra strength for high wear area
Impact-Pinch Point Hazards, Lumber Mills, Heavy Construction



36136HP Sizes: S-XL

- Hypermax™ lined - 360° of cut resistance
- Select grade grain goatskin - high tensile strength
- TPR back for added impact protection
Impact-Pinch Point Hazards, Lumber Mills, Heavy Construction



36336K Sizes: M-XL

- Unique oil blocking technology - oily environments
- Lined with DuPont™ Kevlar® - 360° cut protection
- Premium goatskin - high tensile strength
- Double stitched with Kevlar® thread - greater seam strength
Pipe Fitter, Gas Cylinder Manufacturing, Rope Handler

ANSI A4 Cut Protection



CUT
A4 **PUN**
3

3611DT Sizes: M-XXL

- Premium goatskin - high tensile strength
 - Dyneema® Diamond Technology - 360° lined protection without fiberglass
 - Keystone thumb - greater dexterity
- Cable Handler, Metal Fabrication

A4 ANSI CUT ≥ 1500 Grams

Item #	Type	Gauge/ Lining	Fiber	Shell Color	Palm	Palm Color	ANSI-ISEA 125 Level 2 Cert	ANSI Abrasion	ANSI Puncture	ANSI Conductive Heat
90730	Seamless	13	Dyneema®	Black	Sandy Nitrile	Black	Yes	4	3	X
PD2953	Seamless	13	Dyneema®	Black/White	Foam Nitrile	Blue	Yes	4	4	X
N6464	Seamless	10	Dyneema®	Black	Coral	Black	Yes	4	X	X
3611DT	Leather Driver	N/A	Dyneema®	White	Goatskin	White	Yes	X	3	X
9818NF	Seamless	18	HyperMax™	Black	Foam Nitrile	Black	Yes	5	4	X
UT2952	Multi-Task	13	HyperMax™	Black/White	Foam Nitrile	HV	Yes	5	4	X
UT2953	Multi-Task	13	HyperMax™	Black/White	Foam Nitrile	HV	Yes	5	4	X
92783	Seamless	13	HyperMax™	Black/White	Foam Nitrile	Black	Yes	4	5	X
92753	Seamless	13	HyperMax™	Blue/White	Foam Nitrile	Black	Yes	5	2	X
MC500	Multi-Task	10	HyperMax™	HV	Silicone Blocks	Black/White	Yes	6	X	X
PD1902	Multi-Task	N/A	HyperMax™	Black	Silicone Tread	Red	Yes	5	2	X
PD2909	Multi-Task	N/A	HyperMax™	Black	Silicone Tread	Red	Yes	5	2	X



90730 Sizes: S-XL

- Dyneema® Diamond Technology - protection without fiberglass
- Sandy nitrile coated - abrasive gripping properties
- Metal Stamping, Frame Fabrication



9818NF Sizes: S-XL

- Hypermax™ engineered yarn - breathable abrasive protection
- Foam nitrile coated - wet/dry grip
- Product Handling Requiring Great Dexterity and Sense of Touch



UT2952 Sizes: S-XXL

- Hypermax™ engineered yarn - breathable abrasive protection
- Foam nitrile coated - wet/dry grip
- TPR protection - bump prevention
- Pipe Handling, Construction, High-Risk Impact Tasks



92783 Sizes: S-XXL

- Hypermax™ engineered yarn - breathable abrasive protection
- Foam nitrile double coated - wet/dry grip
- Gear Box Clean Out, Machine Shop Operators



92753 Sizes: S-XXL

- Hypermax™ engineered yarn - breathable abrasive protection
- Foam nitrile 3/4 double coated - wet/dry grip
- Mechanics, Oil Coated Parts Handling



MC500 Sizes: S-XXL

- Hypermax™ engineered yarn - palm only breathable cut-abrasive protection
- TPR protection - bump prevention
- Silicone palm blocks - extreme abrasion protection
- Pneumatic Tool Operation, Industrial Mechanic



9178LO Sizes: S-XXL

- DuPont™ Kevlar® engineered yarn - cut resistant
- Foam latex coated - Dry gripping power, tactile sensitivity
Brick/Concrete Block Handling, Construction Installation



9178PUO Sizes: S-XXL

- DuPont™ Kevlar® engineered yarn - cut resistant
- Polyurethane (PU) coated - excellent abrasion resistance
Precision Assembly, Wire Stripping, Handling



9178NFO Sizes: XS-XXL

- DuPont™ Kevlar® engineered yarn - cut resistant
- Foam nitrile coated - wet/dry grip
Sheet Metal Assembly, Mill Operators, Injection Molding



9178NF Sizes: XS-XXXL

- DuPont™ Kevlar® engineered yarn - cut resistant
- Foam nitrile coated - wet/dry grip
Rough Material Sorting, Heavy Equipment Mechanic

A4 ANSI CUT ≥ 1500 Grams

Item #	Type	Gauge/ Lining	Fiber	Shell Color	Palm	Palm Color	ANSI-ISEA 125 Level 2 Cert	ANSI Abrasion	ANSI Puncture	ANSI Conductive Heat
9178LO	Seamless	13	Kevlar®	H-V	Foam Latex	H-V	Yes	4	X	X
9178PUO	Seamless	13	Kevlar®	H-V	Polyurethane	H-V	Yes	4	X	X
9178NFO	Seamless	13	Kevlar®	H-V	Foam Nitrile	H-V	Yes	4	3	2
9178NF	Seamless	13	Kevlar®		Foam Nitrile		Yes	6	X	X
9379ARC	Seamless	13	Kevlar®		APG		Yes	X	3	X
9389PV	Seamless	13	Kevlar®		HPT		Yes	4	X	X
9389	Seamless	13	Kevlar®		Latex		Yes	3	4	X
93891PU	Seamless	10	Kevlar®		Polyurethane		Yes	5	3	X
96871	Seamless	10	Kevlar®		Latex		Yes	4	X	X
9366KF	Seamless	7	Kevlar®		PVC dots 2 sides		Yes	X	X	X
9399	Seamless	7	Kevlar®		Uncoated		Yes	X	X	2
9370KF	Seamless	7	Kevlar®		Uncoated		Yes	X	X	X
MU3624GK	Multi-Task	13	Kevlar®		Goatskin		Yes	4	4	3
MU3624K	Multi-Task	13	Kevlar®		Goatskin		Yes	4	4	3
MU3634K	Multi-Task	13	Kevlar®		Goatskin		Yes	4	4	3
PD2952	Multi-Task	10	Kevlar®		Foam Nitrile		Yes	3	4	X
KV200	Multi-Task	N/A	Kevlar®		Textured PU		Yes	X	X	X
4840K	Welder	13	Kevlar®		Goatskin		Yes	3	3	2



9389PV Sizes: S-XXL

- Made with DuPont™ Kevlar® - trusted cut protection
 - Hydropellent Technology (HPT) coated - liquid repellent grip
- Glass Manufacturing, Lumber Grader, Blade Changeouts



93891PU Sizes: S-XXL

- Made with DuPont™ Kevlar® - trusted cut protection
 - Polyurethane (PU) coated - excellent abrasion resistance
- Steel Banding Operator, Metal Deburring



KV200 Sizes: M-XXL

- Lined with DuPont™ Kevlar® - 360° of cut resistance
 - TPR Protection - impact and bump prevention
 - Textured PVC palm/tips - abrasive gripping power
- Handling Construction Materials, Pipe Fitting



MU3624GK Sizes: M-XXL

- Lined with DuPont™ Kevlar® - 360° cut protection
 - Premium goatskin - high tensile strength
 - Double stitched with Kevlar® thread - greater seam strength
- Steel Fabrication, Cable Pulling, Mig-Tig Welding



MU3634K Sizes: M-XXL

- Lined with DuPont™ Kevlar® - 360° cut protection
 - Premium goatskin - high tensile strength
 - Double stitched with Kevlar® thread - greater seam strength
- Pipe Fitter, Gas Cylinder Manufacturing, Rope Handler



4840K Sizes: L-XXL

- Lined with DuPont™ Kevlar® - 360° cut protection
 - Premium goatskin - high tensile strength
 - Double stitched with Kevlar® thread - greater seam strength
- Pipe Fitter, Welding Trade, Ship Building

ANSI A3 Cut Protection



- 3601K Sizes: S-XXXL
- Lined with DuPont™ Kevlar® - cut resistant
 - Premium goatskin - high tensile strength
 - ANSI Contact Heat Rating Level 2 - 284° and lower Grinding, Handling Sharp Molds, Metal Banding

A3 ANSI CUT ≥ 1000 Grams

Item #	Type	Gauge/ Lining	Fiber	Shell Color	Palm	Palm Color	ANSI-ISEA 125 Level 2 Cert	ANSI Abrasion	ANSI Puncture	ANSI Conductive Heat
9470K	HotMill	N/A	Kevlar®		Nitrile Blocks		Yes	X	X	5
3601K	Leather Driver	13	Kevlar®		Goatskin		Yes	3	3	2
1700K	Leather Palm	N/A	Kevlar®		A+ Grade Cow		Yes	5	X	3
1702	Leather Palm	N/A	Kevlar®		A+ Grade Cow		Yes	5	X	3
1400K	Leather Palm	10	Kevlar®		Split Cow		Yes	X	5	4
918	Multi-Task	N/A	Kevlar®		Reinforced PVC		Yes	X	X	X
917	Multi-Task	N/A	Kevlar®		Reinforced PVC		Yes	X	X	X



• DUPOINT®
Kevlar
CUT
A3

- 9470K Size: L, 9471K Size: M, 9472K Size: S
- Heavy weight outer shell made with DuPont™ Kevlar® - 360° of cut resistance
 - Inner shell heavy weight Cotton - thermal protection
 - ANSI Contact Heat Rating Level 5 - 608°F and lower
 - Nitrile block coated - double sided
Parts Removal For Injection Molding, Hot Metals



• DUPOINT®
Kevlar
CUT **A3** ABR **5**

- 1700K Big Jake® Size: XL
- Lined with DuPont™ Kevlar® - 360° of cut resistance
 - Premium split cowhide - extreme abrasion protection
 - ANSI Contact Heat Rating Level 3 - 392°F and lower
Lumber Sorting, Plywood Handling, Steel Fabrication



• DUPOINT®
Kevlar
CUT **A3** ABR **5** PUM **5**

- 1702 Big Jake® Sizes: M-XL
- Lined with DuPont™ Kevlar® - palm coverage only
 - Premium split cowhide - extreme abrasion protection
 - ANSI Contact Heat Rating Level 3 - 392°F and lower
Lumber Sorting, Plywood Handling, Steel Fabrication



• DUPOINT®
Kevlar
CUT **A3** PUM **5** **10** CLASS

- 1400K Sizes: S-XXL
- Lined with DuPont™ Kevlar®, plaited with cotton - thermal and cut resistant
 - Select split cowhide - good abrasion protection
 - ANSI Contact Heat Rating Level 4 - 500°F and lower
Lumber Sorting, Plywood Handling, Steel Fabrication



• DUPOINT®
Kevlar
CUT **A3**

- 918 Sizes: S-XXXL
- Lined with DuPont™ Kevlar® - 360° of cut resistance
 - Waterproof bladder -
dry and warm hands for all day comfort
Equipment Operators, Construction With Sharp Materials,
Pipe Fitters



• DUPOINT®
Kevlar
CUT **A3**

- 917 Sizes: S-XXXL
- Lined with DuPont™ Kevlar® - 360° of cut resistance
 - Reinforced PVC palm - extended protection and wear life
Equipment Operators, Construction With Sharp Materials,
Pipe Fitters



N9878BNF Sizes: S-XXL

- DuPont™ Kevlar® engineered yarn - cut resistant
- Breathable nitrile foam (BNF) coated - great wet/dry grip
Demolition Work, Rough Material Handling



9687 Sizes: S-XXL

- Made with DuPont™ Kevlar® - trusted cut protection
- Textured latex coated - dry gripping power
- ANSI Contact Heat Rating Level 4 - 500°F and lower
Handling Aggregate, Recycle Sorting



9365 Sizes: S-XL

- Made with DuPont™ Kevlar® - trusted cut protection
- PVC palm dotted - one sided grip
Handling Of Sharp Metal Materials, Parts Assembly



9686 Sizes: S-XL

- Made with DuPont™ Kevlar® - trusted cut protection
- Select split cowhide - good abrasion protection
- ANSI Contact Heat Rating Level 3 - 392°F and lower
Steel Fabrication, Hot Metal Work

A3 ANSI CUT ≥ 1000 Grams

Item #	Type	Gauge/ Lining	Fiber	Shell Color	Palm	Palm Color	ANSI-ISEA 125 Level 2 Cert	ANSI Abrasion	ANSI Puncture	ANSI Conductive Heat
N9878BNF	Seamless	18	Kevlar®	Black	BNF (Nitrile)	Black	Yes	6	2	X
9687	Seamless	10	Kevlar®	Yellow	Latex	Blue	Yes	4	5	4
9365	Seamless	7	Kevlar®	Yellow	PVC dots 1 side	Black	Yes	3	2	X
9366	Seamless	7	Kevlar®	Yellow	PVC dots 2 sides	Black	Yes	3	3	X
9686	Seamless	7	Kevlar®	Yellow	Split Cow	Grey	Yes	5	X	3
9370	Seamless	7	Kevlar®	Yellow	Uncoated	Yellow	Yes	X	X	3
9373	Seamless	7	Kevlar®	Yellow	Uncoated	Yellow	Yes	X	X	3
9375	Seamless	7	Kevlar®	Yellow	Uncoated	Yellow	Yes	X	X	3
9367	Seamless	7	Kevlar®	Yellow	Uncoated	Yellow	Yes	X	X	X
9370BK	Seamless	7	Kevlar®	Black	Uncoated	Black	Yes	X	X	X
9784IKO	Supported	N/A	Kevlar®	Orange	Nitrile	Orange	Yes	X	2	X
9760K	Supported	N/A	Kevlar®	White	Nitrile	Blue	Yes	X	X	3
9760KW	Supported	N/A	Kevlar®	White	Nitrile	Blue	Yes	X	X	3
4850K	Welder	13	Kevlar®	White	Goatskin	White	Yes	3	3	2



9370 Size: S-XL

- Made with DuPont™ Kevlar® - trusted cut protection
- Uncoated - reversible for double use
- ANSI Contact Heat Rating Level 3 - 392°F and lower
Sheet Metal Assembly, Automotive Fabrication



9373 Sizes: S-XL

- Made with DuPont™ Kevlar® - trusted cut protection
- Uncoated - reversible for double use
- ANSI Contact Heat Rating Level 3 - 392°F and lower
Touchscreen Operators, Small Parts Handling



9370BK Sizes: XS-XL

- Made with DuPont™ Kevlar® - trusted cut protection
- Uncoated - reversible for double use
- ANSI Contact Heat Rating Level 3 - 392°F and lower
Automotive Fabrication and Assembly



9784IKO Sizes: M-XL

- Nitrile outer shell lined with DuPont™ Kevlar® -
chemical and cut resistant
- Cotton interlock inner shell - comfort
Clean Out Tasks, Parts Cleaning



9760K Size: L

- Lined with DuPont™ Kevlar® - palm only
- Nitrile 3/4 coated - wet/dry grip
Handling Sharp Materials Coated In A Liquid Substance



4850K Sizes: S-XXL

- Lined with DuPont™ Kevlar® - 360° of cut resistance
- Premium goatskin - high tensile strength
Welding Intricate Parts, Strapping With Metal Banding



92733PU Sizes: S-XXL

- Hypermax™ engineered yarn - greater cut resistance
 - Polyurethane (PU) coated - excellent abrasion resistance
- Metal Assembly, Equipment Mechanic-Maintenance



92752 Sizes: S-XXL

- Hypermax™ engineered yarn - greater cut resistance
 - Polyurethane (PU) coated - excellent abrasion resistance
- Metal Assembly, Equipment Mechanic-Maintenance
Packaging, Contact with Sharp Materials



9672DT Sizes: S-XXL

- Dyneema® Diamond Technology Shell - excellent cut, abrasion, and overall comfort
 - Bi-polymer coated - excellent grip and abrasion
- Contact With Sharp Parts, Cooler than Traditional Fibers in Hot Applications



92773 Sizes: S-XL

- Hypermax™ engineered yarn - greater cut resistance
 - Polyurethane (PU) coated - excellent abrasion resistance
- Assembly Production, Where Extreme Sense of Touch is Needed

A3 ANSI CUT ≥ 1000 Grams

Item #	Type	Gauge/ Lining	Fiber	Shell Color	Palm	Palm Color	ANSI-ISEA 125 Level 2 Cert	ANSI Abrasion	ANSI Puncture	ANSI Conductive Heat
PD2955	Multi-Task	13	HyperMax™	Black/White	Foam Nitrile	Black	Yes	4	4	X
92733PU	Seamless	13	HyperMax™	Black/White	Polyurethane	Black	Yes	4	X	X
92752	Seamless	13	HyperMax™	Black/White	Polyurethane	Grey	Yes	4	4	X
9672DT	Seamless	13	Dyneema®	Blue/White	Bi-Polymer	Blue	Yes	5	X	X
N9676GKD	Seamless	10	Dyneema®	Black/White	Bi-Polymer	Black	Yes	5	3	X
92773	Seamless	15	HyperMax™	Black/White	Polyurethane	White	Yes	4	3	X
N9676G	Seamless	10	Dyneema®	Black/White	Bi-Polymer	Black	Yes	5	3	X
N9676DT	Seamless	15	Dyneema®	Black/White	BNF (Nitrile)	Black	Yes	X	3	X
96720NF	Seamless	13	Dyneema®	Black/White	Foam Nitrile	Grey	Yes	5	X	X
N96780	Seamless	13	Dyneema®	Black/White	Nitrile Wave	Black	Yes	5	4	X
90752	Seamless	15	Dyneema®	Black/White	Polyurethane	Black	Yes	5	3	X
N9677	Seamless	13	Dyneema®	Black/White	Polyurethane	Grey	Yes	5	3	X
9677	Seamless	13	Dyneema®	Black/White	Polyurethane	White	Yes	5	3	X
9676	Seamless	13	Dyneema®	Black/White	Polyurethane	Grey	Yes	6	3	X
9672	Seamless	13	Dyneema®	Black/White	Polyurethane	Grey	Yes	5	3	X
90750	Seamless	15	Dyneema®	Black/White	Sandy Nitrile	Black	Yes	4	3	X
9348D	Seamless	13	Spectra®	White	Uncoated	White	Yes	3	X	X



N9676DT Sizes: S-XXL

- Dyneema® Diamond Technology Shell - excellent cut, abrasion, and overall comfort
 - Breathable nitrile foam (BNF) coated - great wet/dry grip
 - Reinforced thumb crotch - for longer wear life
- Glass Installers, Metal Sorting, Materials Coated with Oil



96720NF Sizes: XS-XXL

- Dyneema® Diamond Technology Shell - excellent cut, abrasion, and overall comfort
 - Foam nitrile coated - wet/dry grip
- Material Handling, Misc Sharp Objects



90752 Sizes: S-XXL

- Dyneema® Diamond Technology Shell - excellent cut, abrasion, and overall comfort
 - Polyurethane (PU) coated - excellent abrasion resistance
- Material Handling, Misc Sharp Objects



9677 Sizes: XS-XL

- Dyneema® Diamond Technology Shell - excellent cut, abrasion, and overall comfort
 - Radiates heat away from hands - All day comfort
- Material Handling, Misc Sharp Objects



9676 Sizes: XS-XXL

- Dyneema® Diamond Technology Shell - excellent cut, abrasion, and overall comfort
 - Polyurethane (PU) coated - excellent abrasion resistance
- Material Handling, Misc Sharp Objects



90750 Sizes: S-XXL

- Dyneema® Diamond Technology Shell - excellent cut, abrasion, and overall comfort
 - Sandy nitrile coated - textured grip
- Material Handling, Misc Sharp Objects

ANSI A2 Cut Protection



A2 ANSI CUT ≥ 500 Grams

Item #	Type	Gauge/ Lining	Fiber	Shell Color	Palm	Palm Color	ANSI-ISEA 125 Level 2 Cert	ANSI Abrasion	ANSI Puncture	ANSI Conductive Heat
9672DT2	Seamless	18	Dyneema®		Polyurethane		Yes	3	2	X
90780	Seamless	18	Dyneema®		Sandy Nitrile		Yes	4	2	X
96782	Seamless	18	HyperMax™		Nitrile		Yes	5	3	X
92718PU	Seamless	18	HyperMax™		Polyurethane		Yes	4	4	X
92723NF	Seamless	13	HyperMax™		Foam Nitrile		Yes	5	4	X
92723HV	Seamless	13	HyperMax™		Foam Nitrile		Yes	6	3	X



9672DT2 Sizes: S-XXL

- Dyneema® Diamond Technology Shell - excellent cut, abrasion, and overall comfort
 - Polyurethane (PU) coated - Good abrasion resistance
- Material Handling, Misc Sharp Objects



90780 Sizes: S-XXL

- Dyneema® Diamond Technology Shell - excellent cut, abrasion, and overall comfort
 - Sandy nitrile coated - textured grip
- Material Handling, Misc Sharp Objects



96782 Sizes: XS-XXL

- Hypermax™ engineered yarn - good cut resistance
 - Polyurethane (PU) coated - good abrasion resistance
 - Reinforced thumb crotch - for longer wear life
- Material Handling, Misc Sharp Objects



92718PU Sizes: XS-XXL

- Hypermax™ engineered yarn - good cut resistance
 - Polyurethane (PU) coated - excellent abrasion resistance
- Thin Gauge Metal Sheet Handling, Applications Requiring Ultra Dexterity



92723NF Sizes: S-XXL

- Hypermax™ engineered yarn - good cut resistance
 - Foam nitrile coated - wet/dry grip
- Material Handling, Misc Sharp Objects



92723HV Sizes: S-XXL

- Hypermax™ engineered yarn - good cut resistance
 - Foam nitrile coated - wet/dry grip
 - Extended Cuff - increased forearm protection
- Material Handling, Misc Sharp Objects



9693PU Sizes: S-XXL

- Made with DuPont™ Kevlar® - trusted cut protection
 - Polyurethane (PU) coated - good abrasion resistance
- Material Handling, Misc Sharp Objects



9693 Sizes: S, L

- Made with DuPont™ Kevlar® - trusted cut protection
 - Textured Nitrile coated - great gripping power
- Material Handling, Misc Sharp Objects



9396 Sizes: S, L

- Made with DuPont™ Kevlar® - trusted cut protection
 - PVC palm dotted - two sided grip for double use
- Material Handling, Misc Sharp Objects

Protection on the job. For life off the job.

Gloves and sleeves made with Kevlar® are designed with a patented and innovative yarn technology that provides:

- The highest cut protection at the lowest weight
- Unparalleled comfort and dexterity
- Heat performance against a range of hazards

Because we don't just see a foreman, we see a father. We don't see a machinist, we see a mother. And every worker the job depends on has someone depending on them to get home safely. That's why we work with our partners, doing whatever it takes to protect hands at work. So those hands can make a home.

What do your hands carry?
Gloves and sleeves made with Kevlar®

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A2 ANSI CUT ≥ 500 Grams

Item #	Type	Gauge/ Lining	Fiber	Shell Color	Palm	Palm Color	ANSI-ISEA 125 Level 2 Cert	ANSI Abrasion	ANSI Puncture	ANSI Conductive Heat
9693PU	Seamless	15	Kevlar®	Yellow	Polyurethane	Grey	Yes	X	2	X
9693	Seamless	13	Kevlar®	Yellow	Nitrile	Black	Yes	3	2	2
9396	Seamless	13	Kevlar®	Yellow	PVC dots 2 sides	Black	Yes	X	X	3
9392	Seamless	10	Kevlar®	Yellow	PVC dots 2 sides	Black	Yes	X	X	X
9390PD	Seamless	10	Kevlar®	Yellow	PVC dots 2 sides	Black	Yes	X	X	X
9370H	Seamless	7	Kevlar®	Yellow	Honey Grip	Yellow	Yes	X	X	X
9363MB	Seamless	7	Kevlar®	Yellow	PVC blocks 2 sides	Blue	Yes	3	3	X
9361	Seamless	7	Kevlar®	Yellow	PVC dots 1 side	Black	Yes	X	X	X
9369	Seamless	7	Kevlar®	Yellow	PVC dots 2 sides	Black	Yes	2	X	X
9366E	Seamless	7	Kevlar®	Yellow	PVC dots 2 sides	Black	Yes	3	3	X
9363	Seamless	7	Kevlar®	Yellow	PVC dots 2 sides	Black	Yes	X	X	X
9363E	Seamless	7	Kevlar®	Yellow	PVC dots 2 sides	Black	Yes	X	X	X
9368	Seamless	7	Kevlar®	Yellow	PVC flat coat	Black	Yes	X	X	X
9380	Seamless	7	Kevlar®	Yellow	Split Cow	Grey	Yes	X	4	X



• DU PONT •
Kevlar
CUT
A2
7 GAUGE

9370H Sizes: S-L

- Made with DuPont™ Kevlar® - trusted cut protection
- PVC honey grip coated - two sided grip for double use
Material Handling, Misc Sharp Objects



• DU PONT •
Kevlar
CUT
A2
7 GAUGE

9363MB Sizes: S, L

- Made with DuPont™ Kevlar®, plaited with cotton - cut and heat resistant
- PVC blocked coated - two sided for double use
Material Handling, Misc Sharp Objects



• DU PONT •
Kevlar
CUT
A2
7 GAUGE

9361 Sizes: S, L

- Made with DuPont™ Kevlar®, plaited with cotton - cut and heat resistant
- PVC palm dotted - one sided grip
Material Handling, Misc Sharp Objects



• DU PONT •
Kevlar
CUT
A2
7 GAUGE

9363 Sizes: XS-XL

- Made with DuPont™ Kevlar®, plaited with cotton - cut and heat resistant
- PVC palm dotted - two sided grip for double use
Material Handling, Misc Sharp Objects



• DU PONT •
Kevlar
CUT
A2
7 GAUGE

9368 Sizes: XS, S, L

- Made with DuPont™ Kevlar®, plaited with cotton - cut and heat resistant
- PVC flat coated - one sided grip
Material Handling, Misc Sharp Objects



• DU PONT •
Kevlar
CUT PUNCTURE
A2 4
7 GAUGE

9380 Sizes: S-XL

- Made with DuPont™ Kevlar®, plaited with cotton - cut and heat resistant
- Split cowhide palm - great puncture resistance
Material Handling, Misc Sharp Objects



9393 Sizes: S-XL
 • Made with DuPont™ Kevlar® - trusted cut protection
 • Uncoated - reversible for double use
 • ANSI Contact Heat Rating Level 3 - 392°F and lower
 Material Handling, Misc Sharp Objects



9394 Sizes: XS-XL
 • Made with DuPont™ Kevlar® - trusted cut protection
 • Uncoated - reversible for double use
 • ANSI Contact Heat Rating Level 3 - 392°F and lower
 Material Handling, Misc Sharp Objects



9390 Sizes: S, L
 • Made with DuPont™ Kevlar® - trusted cut protection
 • Uncoated - reversible for double use
 Material Handling, Misc Sharp Objects



9362 Sizes: S-XL
 • Made with DuPont™ Kevlar®, plaited with cotton -
 cut and heat resistant
 • Uncoated - reversible for double use
 Material Handling, Misc Sharp Objects

A2 ANSI CUT ≥ 500 Grams

Item #	Type	Gauge/ Lining	Fiber	Shell Color	Palm	Palm Color	ANSI-ISEA 125 Level 2 Cert	ANSI Abrasion	ANSI Puncture	ANSI Conductive Heat
9393	Seamless	13	Kevlar®		Uncoated		Yes	X	X	3
9394	Seamless	13	Kevlar®		Uncoated		Yes	X	X	3
9397	Seamless	13	Kevlar®		Uncoated		Yes	X	X	X
9390	Seamless	10	Kevlar®		Uncoated		Yes	X	X	X
9390P	Seamless	10	Kevlar®		Uncoated		Yes	X	X	X
9362	Seamless	7	Kevlar®		Uncoated		Yes	X	X	X
3204K	Leather Driver	7	Kevlar®		Grain Cow		Yes	4	3	3
6620KV	Supported	N/A	Kevlar®		PVC		Yes	X	X	X
9430KM	TerryCloth	N/A	Kevlar®		Uncoated		Yes	X	X	4
9430KME	TerryCloth	N/A	Kevlar®		Uncoated		Yes	X	X	4
9432KM	TerryCloth	N/A	Kevlar®		Uncoated		Yes	X	X	4
9433KM	TerryCloth	N/A	Kevlar®		Uncoated		Yes	X	X	X
9435KM	TerryCloth	N/A	Kevlar®		Uncoated		Yes	X	X	3
9436KM	TerryCloth	N/A	Kevlar®		Uncoated		Yes	X	X	3



3204K Sizes: S-XXL

- Lined with DuPont™ Kevlar® - 360° of cut resistance
- Select Grain Cowhide Palm - excellent abrasion
Tig Welding, Material Handling, Misc Sharp Objects



9430KM Sizes: M-L

- Regular weight loop out terry made with DuPont™ Kevlar®, plaited with cotton - cut and heat resistant
- ANSI Contact Heat Rating Level 4 - 500°F and lower
Hot Material Handling, Sharp Plastic Molding



6620KV Sizes: M-XXXL

- Lined with DuPont™ Kevlar® - 360° of cut resistance
- PVC Liquid resistant shell - dry hands for all day comfort
Valve Replacements, Degreasing Applications



9433KM Size: L

- Loop out terry made with DuPont™ Kevlar®, plaited with cotton - cut and heat resistant
- ANSI Contact Heat Rating Level 4 - 500°F and lower
Hot Material Handling, Sharp Plastic Molding



9435KM Sizes: XS-L

- Loop out terry made with DuPont™ Kevlar®, plaited with cotton - cut and heat resistant
- Reinforced thumb crotch - abrasion protection for longer wear life
Hot Material Handling, Sharp Plastic Molding



9430KME Size: L

- Competitive value weight loop out terry made with DuPont™ Kevlar®, plaited with cotton - cut and heat resistant
- ANSI Contact Heat Rating Level 4 - 500°F and lower
Hot Material Handling, Sharp Plastic Molding

MCR Safety Sleeves



Premium Grade Sleeve:

Made with more DuPont™ Kevlar® material per square inch - less material stretch



Competitive Value Grade Sleeve:

Made with less DuPont™ Kevlar® material per square inch - more material stretch



Equal length sleeves pictured



	Sleeve Length												
Fiber	4"	7"	8"	9"	10"	12"	14"	15"	18"	19"	21"	22"	24"
Kevlar® Blend SteelCore Hero™				●	●	●	●		●	●	●		●
Dyneema® Kevlar® HyperMax™	●	●	●		●	●	●	●	●	●		●	●
Competitive Value					●		●		●			●	



	Sleeve Options						
Fiber	Bar Tack	Thumb Slot	Cotton Interior	Elbow Gusset	Leather Pad	Silicone Mini-Dots	Silicon Grid
Kevlar® Blend SteelCore Hero™	-	●	●	-	-	-	-
Dyneema® Kevlar® HyperMax™	●	●	-	●	●	-	-
Competitive Value	●	●	-	-	-	-	-

ANSI Sleeve Cut Protection



A9 ANSI CUT ≥ 6000 Grams

Item #	Type	Length	Grade	Fiber	Gauge/ Lining	Configuration	Finish	ANSI Abrasion	ANSI Puncture	ANSI Conductive Heat
93130MK	Apron	30"x24"	Premium	Kevlar® Blend	N/A	N/A	N/A	X	3	5
93719MK	Arm Guard	19"	Premium	Kevlar® Blend	N/A	Thumb Slot	N/A	X	3	5
93709MK	Arm Guard	9"	Premium	Kevlar® Blend	N/A	Thumb Slot	N/A	X	3	5

A8 ANSI CUT ≥ 5000 Grams

9312	Sleeve	12"	Premium	SteelCore	7	Plain	Uncoated	X	X	X
9318	Sleeve	18"	Premium	SteelCore	7	Plain	Uncoated	X	X	X
9321	Sleeve	21"	Premium	SteelCore	7	Plain	Uncoated	X	X	X

A6 ANSI CUT ≥ 3000 Grams

9318K7	Sleeve	18"	Premium	Hero™	7	Plain	Uncoated	3	X	3
9318K7T	Sleeve	18"	Premium	Hero™	7	Thumb Slot	Uncoated	3	X	3
9318K13	Sleeve	18"	Premium	Hero™	13	Plain	Uncoated	3	X	X
9318K13T	Sleeve	18"	Premium	Hero™	13	Thumb Slot	Uncoated	3	X	X

A5 ANSI CUT ≥ 2200 Grams

9318DT510T	Sleeve	18"	Premium	Dyneema®	10	Thumb Slot	Uncoated	3	X	X
91740	Sleeve	14"	Premium	Kevlar®	13	Plain	Uncoated	3	X	X
91740T	Sleeve	14"	Premium	Kevlar®	13	Thumb Slot	Uncoated	3	X	X
91780	Sleeve	18"	Premium	Kevlar®	13	Plain	Uncoated	3	X	X
91780T	Sleeve	18"	Premium	Kevlar®	13	Thumb Slot	Uncoated	3	X	X

A4 ANSI CUT ≥ 1500 Grams

9318DT10	Sleeve	18"	Premium	Dyneema®	10	Plain	Silicone Grid	6	X	X
9374TL	Sleeve	14"	Premium	Kevlar®	N/A	Thumb Slot	Leather Pad	X	X	X
9378KF	Sleeve	18"	Premium	Kevlar® Blend	N/A	Plain	Uncoated	X	X	X
9378KFT	Sleeve	18"	Premium	Kevlar® Blend	N/A	Thumb Slot	Uncoated	X	X	X



9312, 9318, 9321

- Steelcore yarn - cut resistant
- Available in 12", 18", 21" length
- Made with FDA accepted material for use in food processing
Food Processing, Canning, Stationary Blade Changeouts



9318K13T Size: 18"

- Hero™ fiber - Kevlar® and synthetic combo
- Available with or without thumb slot
Process Assembly, Metal Stamping, Machining Parts



91780 Size: 18"

- DuPont™ Kevlar® engineered yarn - cut resistant
- Advanced elbow gusset - great range of motion and comfort
Sheet Metal Assembly, Mill Operators, Injection Molding



9318DT10 Size: 18"

- Dyneema® Diamond Technology - protection without fiberglass
- Double sided silicone grid - prevents movement and slicing on arm while handling materials
- Advanced elbow gusset - great range of motion and comfort
Metal Fabrication, Plastic Moldings, Raw Glass Handling



9378KFT Size: 18"

- Made with DuPont™ Kevlar® - trusted cut protection
- Thumb Slot
Recycling, Parts Sorting, Corrugated Handling



9374TL Size: 14"

- Made with DuPont™ Kevlar® - trusted cut protection
- Thumb Slot with Leather forearm - Protection from heat and abrasion
Handling Of Sharp Metal Materials, Parts Assembly

ANSI Sleeve Cut Protection



A3 ANSI CUT ≥ 1000 Grams

Item #	Type	Length	Grade	Fiber	Gauge/ Lining	Configuration	Finish	ANSI Abrasion	ANSI Puncture	ANSI Conductive Heat
9304	Sleeve	4"	Premium	Kevlar®	N/A	Plain	Uncoated	2	X	2
9307	Sleeve	7"	Premium	Kevlar®	N/A	Plain	Uncoated	2	X	2
9371	Sleeve	10"	Premium	Kevlar®	N/A	Plain	Uncoated	2	X	2
9371BE	Sleeve	10"	Competitive Value	Kevlar®	N/A	Bar Tack	Uncoated	2	X	X
9371E	Sleeve	10"	Competitive Value	Kevlar®	N/A	Plain	Uncoated	2	X	3
9371TE	Sleeve	10"	Competitive Value	Kevlar®	N/A	Thumb Slot	Uncoated	2	X	3
9371T	Sleeve	10"	Premium	Kevlar®	N/A	Thumb Slot	Uncoated	2	X	2
9372E	Sleeve	12"	Premium	Kevlar®	N/A	Plain	Uncoated	2	X	3
9372	Sleeve	12"	Premium	Kevlar®	N/A	Plain	Uncoated	2	X	2
9372T	Sleeve	12"	Premium	Kevlar®	N/A	Thumb Slot	Uncoated	2	X	2
9374E	Sleeve	14"	Competitive Value	Kevlar®	N/A	Plain	Uncoated	2	X	3
9374	Sleeve	14"	Premium	Kevlar®	N/A	Plain	Uncoated	2	X	2
9374T	Sleeve	14"	Premium	Kevlar®	N/A	Thumb Slot	Uncoated	2	X	2
9378BE	Sleeve	18"	Competitive Value	Kevlar®	N/A	Bar Tack	Uncoated	2	X	3
9378E	Sleeve	18"	Competitive Value	Kevlar®	N/A	Plain	Uncoated	2	X	3
9378TE	Sleeve	18"	Competitive Value	Kevlar®	N/A	Thumb Slot	Uncoated	2	X	3
9378TES	Sleeve	18"	Competitive Value	Kevlar®	N/A	Thumb Slot	Uncoated	2	X	3
9378	Sleeve	18"	Premium	Kevlar®	N/A	Plain	Uncoated	2	X	2
9178T	Sleeve	18"	Premium	Kevlar®	N/A	Thumb Slot	Uncoated	2	X	2
9378B	Sleeve	18"	Premium	Kevlar®	N/A	Bar Tack	Uncoated	2	X	2
9378T	Sleeve	18"	Premium	Kevlar®	N/A	Thumb Slot	Uncoated	2	X	2
9378KC	Sleeve	18"	Premium	Kevlar® Blend	N/A	Plain	Uncoated	2	X	3
9378KCT	Sleeve	18"	Premium	Kevlar® Blend	N/A	Thumb Slot	Uncoated	2	X	3
9379	Sleeve	22"	Premium	Kevlar®	N/A	Plain	Uncoated	2	X	2
9379KCT	Sleeve	22"	Premium	Kevlar® Blend	N/A	Thumb Slot	Uncoated	2	X	3
9379KCTE	Sleeve	22"	Competitive Value	Kevlar® Blend	N/A	Thumb Slot	Uncoated	2	X	3
9379KCTJ	Sleeve	22"	Premium	Kevlar® Blend	N/A	Thumb Slot	Uncoated	2	X	3
93724T	Sleeve	24"	Premium	Kevlar®	N/A	Thumb Slot	Uncoated	2	X	2



9372 Size: 12"
 • Made with DuPont™ Kevlar® - trusted cut protection
 • 12" Length - protection up to the elbow
 Working near or coming in contact with sharp/abrasive materials



9374 Size: 14"
 • Made with DuPont™ Kevlar® - trusted cut protection
 • 14" Length - protection over the elbow
 Working near or coming in contact with sharp/abrasive materials



9178T Size: 18"
 • Made with DuPont™ Kevlar® - trusted cut protection
 • 18" Length with Thumb Slot - protection up to the biceps
 Working near or coming in contact with sharp/abrasive materials, Great for dirty environments



9379 Size: 22"
 • Made with DuPont™ Kevlar® - trusted cut protection
 • 22" Length - protection over the biceps
 Working near or coming in contact with sharp/abrasive materials



9378B Size: 18"
 • Made with DuPont™ Kevlar® - trusted cut protection
 • 18" Length with Bar Tack - protection up to the biceps
 Working near or coming in contact with sharp/abrasive materials



93724T Size: 24"
 • Made with DuPont™ Kevlar® - trusted cut protection
 • 24" Length with Thumb Slot - protection over the biceps
 Working near or coming in contact with sharp/abrasive materials

ANSI Sleeve Cut Protection



A2 ANSI CUT ≥ 500 Grams

Item #	Type	Length	Grade	Fiber	Gauge/ Lining	Configuration	Finish	ANSI Abrasion	ANSI Puncture	ANSI Conductive Heat
9212M13	Sleeve	12"	Premium	HyperMax™	13	Plain	Uncoated	5	2	X
9214M13	Sleeve	14"	Premium	HyperMax™	13	Plain	Uncoated	5	2	X
9218M13	Sleeve	18"	Premium	HyperMax™	13	Plain	Uncoated	5	2	X
9312D10	Sleeve	12"	Premium	Dyneema®	10	Plain	Uncoated	4	X	X
9314D10	Sleeve	14"	Premium	Dyneema®	10	Plain	Uncoated	4	X	X
9318D10	Sleeve	18"	Premium	Dyneema®	10	Plain	Uncoated	4	X	X
9318D10T	Sleeve	18"	Premium	Dyneema®	10	Thumb Slot	Uncoated	4	X	X
9318D10TMD	Sleeve	18"	Premium	Dyneema®	10	Thumb Slot	Silicone Dots	5	X	X
9318D7	Sleeve	18"	Premium	Dyneema®	7	Plain	Uncoated	3	X	X
9318D7T	Sleeve	18"	Premium	Dyneema®	7	Thumb Slot	Uncoated	3	X	X
9370	Sleeve	8"	Premium	Kevlar®	N/A	Plain	Uncoated	2	X	X



9212M13 Size: 12"

- Hypermax™ engineered yarn - cut protection and comfort in one
- 12" length - Protection up to the elbow
- Working near or coming in contact with sharp/abrasive materials



9218M13 Size: 18"

- Hypermax™ engineered yarn - cut protection and comfort in one
- 18" length - Protection up to the elbow
- Working near or coming in contact with sharp/abrasive materials



9314D10 Size: 14"

- Dyneema® protection without fiberglass - Protection over the elbow
- Advanced Elbow Gusset - Great range of motion and comfort
- Working near or coming in contact with sharp/abrasive materials



9318D10T Size: 18"

- Dyneema® protection without fiberglass - Protection up to the elbow
- Advanced Elbow Gusset - Great range of motion and comfort
- Working near or coming in contact with sharp/abrasive materials



9318D10TMD Size: 18"

- Dyneema® protection without fiberglass - Protection up to the biceps
- Double sided Silicone Micro Dots - Reduces slice potential
- Advanced Elbow Gusset - Great range of motion and comfort
- Working near or coming in contact with sharp/abrasive materials



9318D7 Size: 18"

- Dyneema® protection without fiberglass - Protection up to the biceps
- Advanced Elbow Gusset - Great range of motion and comfort
- Working near or coming in contact with sharp/abrasive materials



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