



Cut Protection Guide



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



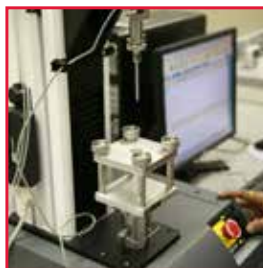
Test Method
ASTM F2992-15

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	15.65		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	22.59
8	1800	20.80	26.70	1800	20.41	24.66	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	30.19
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	51.43	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)	1820.16		Rating Force (gf)	1803.35		Rating Force (gf)	1718.50	
	% Confidence Interval (gf)	366.50		% 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	
Optional Sample Properties	Correction Factor	0.13		Correction Factor	0.12		Correction Factor	0.09	
	Basis WT	3.11	Grams	Basis WT	3.59	Grams	Basis WT	3.11	Grams
	Thickness	0.37	MM	Thickness	0.36	MM	Thickness	0.39	MM

Reporting and Averaging
the 3 gram scores

Average Rating Force (gf)	Cut Resistance Performance Level
1783	A4
3 Samples Tested	
ASTM F2932-15	
TDM-100	
	ANSI/ISEA 105-2016
	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 999 grams to cut
A1: 200 to 499 grams to cut

Tomodynamometer TDM-100



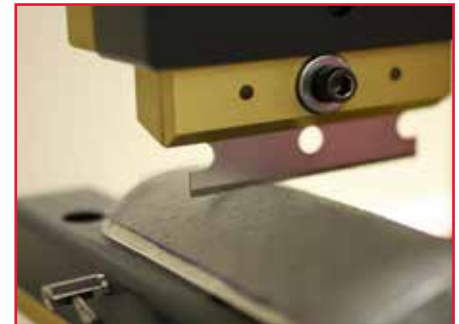
Blade Validation



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

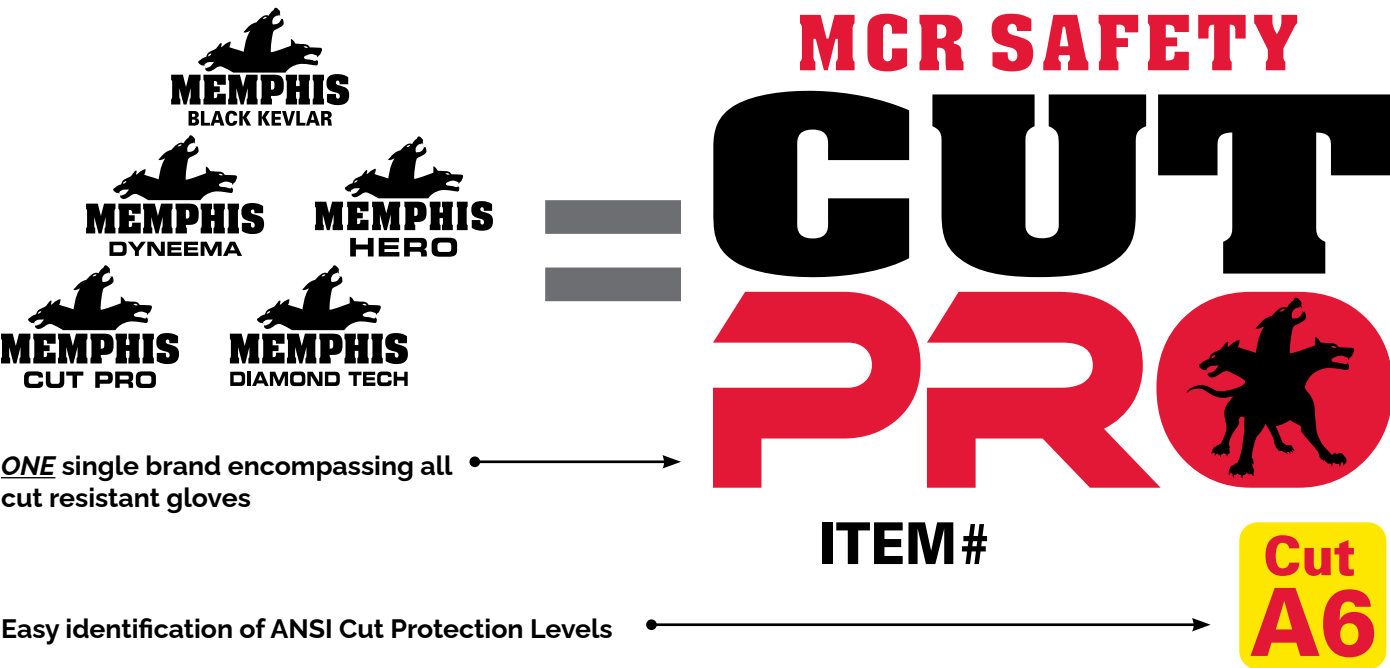
Every day consists of change and improvement so at MCR Safety we are living this out by updating the most powerful cut protection offerings in the industry with a single brand that represents the best of the best in fibers, coatings, and technology advancements as CUTPRO. One unified brand identity along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



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





ARX® is an Aramid base fiber designed to protect against cut, abrasion, and flame resistant hazards which is available in coated knits, leather, and sleeve configurations. This fiber is developed and manufactured in MCR Safety's state of the art spinning facility where quality is never sacrificed.

#WeProtectPeople

www.mcrcsafety.com/cut-protection



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



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



7,226 grams
of cut resistance!

PD43612

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
ML300A	Mechanics	N/A	Alycore	HV	Synthetic		Yes	4	4	X
PD2905A	Mechanics	N/A	Alycore	HV	Synthetic		Yes	4	3	X
PD4900	Mechanics	Kevlar®	HyperMax™	HV	Synthetic	HV	Yes	4	5	3
PD43612	Mechanics	Kevlar®	HyperMax™		Goatskin		Yes	4	5	3
92735N	Seamless	15	HyperMax™		Nitrile		Yes	3	5	1
9381	Seamless	7	SteelCore		PVC blocks 1 side		Yes	4	X	X
9382	Seamless	7	SteelCore		PVC blocks 2 sides		Yes	4	X	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
3604HP	Leather Driver	N/A	HyperMax™		Goatskin		Yes	4	2	X
9350	Seamless	7	SteelCore		Uncoated		Yes	3	X	X

Alycore



ML300A Alycore® Sizes: M-XXL
• Alycore lined - extreme cut protection
• Rough PVC palm - abrasion resistant

Alycore



PD2905A Sizes: S-XXXL
• Alycore lined - extreme cut protection
• Synthetic leather palm

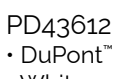
DUPONT®
Kevlar



PD4900 Sizes: M-XXL
• Engineered DuPont™ Kevlar® palm lining
• MAXGrid™ pattern palm



DUPONT®
Kevlar



PD43612 Sizes: M-XXL
• DuPont™ Kevlar® engineered palm lining
• White goatskin leather with fourchettes

HYPERMAX



92735N Sizes: S-XXL
• Hypermax™ engineered yarn shell
• Nitrile coated palm and fingertips

STEELCORE



9381 Sizes: XS-XL
- Specify Right or Left Hand
• Regular weight
polyester wrapped stainless steel
• PVC Blocks on 1 side

STEELCORE



9382 Sizes: XS-XL
• Regular weight
polyester wrapped stainless steel
• PVC Blocks on 2 sides

HYPERMAX



3604HP HPPE Sizes: L-XXL
• Premium goatskin
• Breathable abrasive protection































STEELCORE



9350 Sizes: XXS-XL
• Regular weight
polyester wrapped stainless steel
• Uncoated



A7 ANSI CUT \geq 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
PD3954	Mechanics	13	ARX®		HPT		Yes	3	3	2
93857	Seamless	7	ARX®		PVC dots 1 side		Yes	3	X	X
93859	Seamless	7	ARX®		PVC dots 2 sides		Yes	3	X	X
93868	Seamless	7	ARX®		PVC stripes		Yes	3	X	X
93861	Seamless	7	ARX®		Split Cow		Yes	5	5	3
93861G	Seamless	7	ARX®		Split Cow		Yes	5	5	3
92743BP	Seamless	13	HyperMax™		Bi-Polymer		Yes	6	5	X
9277NF	Seamless	13	HyperMax®		BNF (Nitrile)		Yes	6	3	X
9277PU	Seamless	13	HyperMax®		Polyurethane		Yes	X	4	X
9357	Seamless	10	HyperMax™		Uncoated		Yes	X	X	X
9399G	Seamless	7	Kevlar®		PVC dots 1 side		Yes	X	X	X
16012K	Leather Palm	N/A	Kevlar®		Split Cow		Yes	6	5	3
9345D	Seamless	7	Spectra®		Uncoated		Yes	X	X	X
9346D	Seamless	10	Spectra®		Uncoated		Yes	X	X	X
9349D	Seamless	7	Spectra®		Uncoated		Yes	X	X	X



PD3954 Sizes: M-XXL
 • ARX® engineered yarn shell
 • Black proprietary HPT® (hydropellent technology®) coated palm and fingertips



93859 Sizes: M-XL
 • ARX® engineered yarn shell
 • Double sided PVC dots



93861 Sizes: S-XXL
 • ARX® engineered yarn shell
 • Split cowhide leather palm



92743BP Sizes: XS-XXXL
 • Hypermax™ engineered yarn shell
 • Bi-polymer coated palm and fingertips



9277NF Sizes: S-XXL
 • Hypermax™ engineered yarn shell
 • BNF (Breathable Nitrile Foam) with NFT® coated palm and fingertips



9277PU Sizes: XS-XXL
 • Hypermax™ engineered yarn shell
 • Polyurethane (PU) coated palm and fingertips



9399G Sizes: S-XXL
 • DuPont™ Kevlar® / Stainless Steel engineered yarn shell
 • PVC Dots on Palm, Back of Hand, and 3 Fingers



3604HP HPPE Sizes: M-XL
 • Select Side Split Leather, Fully Lined with DuPont™ Kevlar®
 • Double Leather Palm, Index Finger and Thumb



9349D Sizes: XS-XL
 • Spectra® engineered yarn shell
 • Made with FDA accepted material for use in food processing
 • Fingerless



92793PU

A6 ANSI CUT \geq 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
93840	Seamless	13	ARX®		Uncoated		Yes	3	X	2
93840G	Seamless	13	ARX®		Uncoated		Yes	3	X	2
93847	Seamless	13	ARX®		PVC dots 1 side		Yes	3	X	X
93860	Seamless	7	ARX®		Uncoated		Yes	3	X	3
93867	Seamless	7	ARX®		PVC dots 1 side		Yes	3	X	X
9672DT5	Seamless	10	Dyneema®		Foam Nitrile		Yes	4	4	X
982	Mechanics	N/A	HyperMax™	HV	MAXGrid™		Yes	3	5	X
92730HV	Seamless	13	HyperMax™	HV	Sandy Nitrile		Yes	4	3	X
92743PU	Seamless	13	HyperMax™		Polyurethane		Yes	5	4	X
92793PU	Seamless	13	HyperMax™		Polyurethane		Yes	4	4	X
92720HV	Seamless	10	HyperMax™	HV	Foam Nitrile		Yes	6	4	X
92720NF	Seamless	10	HyperMax™		Foam Nitrile		Yes	5	4	X
9388NF	Seamless	18	Kevlar®		BNF (Nitrile)		Yes	6	3	2
9356	Seamless	10	SteelCore		Uncoated		Yes	X	X	X



93840G Sizes: S-XXL
• ARX® engineered yarn shell
• Uncoated 3.5" Knit Wrist
Extended Cuff



93847 Sizes: XS-XL
• ARX® engineered yarn shell
• PVC Dotted Palm on 1 side



93860 Sizes: XS-XL
• ARX® engineered yarn shell
• Uncoated



93867 Sizes: XS-XXL
• ARX® engineered yarn shell
• PVC Dotted Palm on 1 side



92730HV Sizes: XS-XXL
• Hypermax™ engineered yarn shell
• Sandy Nitrile coated palm and
fingertips



92743PU Sizes: S-XXL
• Hypermax™ engineered yarn
shell
• Polyurethane (PU) coated palm
and fingertips



92793PU Sizes: XS-XXL
• Hypermax™ engineered yarn
shell
• Polyurethane (PU) coated palm
and fingertips



92720HV Sizes: S-XXL
• Hypermax™ engineered yarn
shell
• Nitrile Foam coated palm and
fingertips



92720NF Sizes: S-XXXL
• Hypermax™ engineered yarn
shell
• Nitrile Foam coated palm and
fingertips



9388NF Sizes: XS-XXL
• DuPont™ Kevlar® engineered
palm lining
• Nitrile Foam coated palm
and fingertips



9356 Sizes: XS-XL
• Medium weight polyester
wrapped stainless steel
• Uncoated



9672DT5 Sizes: XS-XXL
• Dyneema® Diamond Technology
engineered yarn shell
• Nitrile Foam coated palm
and fingertips

ANSI A5 Cut Protection



9828PU Sizes: XXS-XXL
 • ARX® engineered yarn shell
 • Polyurethane (PU) coated palm and fingertips



92738PU Sizes: XS-XXL
 • Hypermax™ engineered yarn shell
 • Polyurethane (PU) coated palm and fingertips



9813NF Sizes: S-XXL
 • ARX® engineered yarn shell
 • Nitrile Foam coated palm and fingertips



92754BP Sizes: XS-XXL
 • Hypermax™ engineered yarn shell
 • Bi-Polymer coated palm and fingertips



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	ARX®		Polyurethane		Yes	3	2	2
9813NF	Seamless	13	ARX®		Foam Nitrile		Yes	6	3	2
N9690TC	Seamless	13	Dyneema®		Bi-Polymer		Yes	4	4	X
9672DT5PU	Seamless	10	Dyneema®		Polyurethane		Yes	4	4	X
MC503	Mechanics	N/A	Dyneema®	H+V	Goatskin		Yes	4	3	X
FF2931	Mechanics	N/A	HyperMax®		Goatskin		Yes	4	5	3
FF2932	Mechanics	N/A	HyperMax®		Goatskin		Yes	4	5	3
PD2910	Mechanics	N/A	HyperMax®		Grain Cow		Yes	4	5	X
PD2911	Mechanics	N/A	HyperMax®		Synthetic		Yes	4	5	X
PD3430	Leather Driver	N/A	HyperMax®		Sasquatch®		Yes	6	4	2
PD4903	Mechanics	N/A	HyperMax®	H+V	Synthetic		Yes	4	3	X
PD5931	Mechanics	N/A	HyperMax®		Sasquatch®		Yes	6	4	X
36136HP	Leather Driver	N/A	HyperMax™		Goatskin		Yes	3	3	X
92738PU	Seamless	18	HyperMax™		Polyurethane		Yes	4	4	X
92754BP	Seamless	13	HyperMax®		Bi-Polymer		Yes	6	3	
92901KD	Seamless	13	HyperMax™		Foam Nitrile		Yes	3	3	X
UT1954	Seamless	13	HyperMax™		Sandy Nitrile		Yes	5	4	X
UT1955	Seamless	13	HyperMax™	H+V	Sandy Nitrile		Yes	4	4	X
UT1956	Seamless	13	HyperMax™	H+V	Sandy Nitrile		Yes	4	3	X
906DPOK	Mechanics	N/A	Kevlar®	H+V	Cow+Goat		Yes	X	4	X
3601K	Leather Driver	13	Kevlar®		Goatskin		Yes	3	3	3
3601SKHV	Leather Driver	N/A	Kevlar®		Goatskin		Yes	3	3	3
36136KDP	Leather Driver	N/A	Kevlar®		Goatskin		Yes	4	3	3
36336K	Leather Driver	13	Kevlar®		Goatskin		Yes	4	3	3

MCR SAFETY CUT PRO

HYPERMAX



HYPERMAX

D3O[®]



D3O[®]



HYPERMAX

13 GAUGE



MCR SAFETY

ANSI A5 CUT PROTECTION

CUT A5 ABR 4 PUNY 3 IMPACT 1

PD4903 Sizes: S-XXXL
• HyperMax™ Cut Resistant 360 Degree Liner
• TPR Back of Hand Protection

CUT A5 ABR 6 PUNY 4 IMPACT 3

PD5931 Sizes: S-XXL
• HyperMax™ Cut Resistant Palm Liner
• Sasquatch® Leather Palm

CUT A5 ABR 4 PUNY 5 IMPACT 2 HEAT 3

FF2931 Sizes: M-XXL
• HyperMax™ engineered palm liner
• Patented D3O® TPR back of hand protection

CUT A5 ABR 4 PUNY 4 IMPACT 1

UT1955 Sizes: S-XXL
• Hypermax™ engineered yarn shell
• Sandy Nitrile Foam coated palm and fingertips



• DUPONT® Kevlar

13 GAUGE



CUT A5 ABR 3 PUNY 3 HEAT 3 CAT 3

3601K Sizes: S-XXXL
• 13 gauge DuPont™ Kevlar® / synthetic liner
• Premium Grade Grain Goatskin
• Arc rating of 37.5 cal/cm²



• DUPONT® Kevlar

13 GAUGE



CUT A5 ABR 3 PUNY 3 HEAT 3 CAT 3

3601SKHV Sizes: S-XXL
• 13 gauge DuPont™ Kevlar® / synthetic liner
• Premium Grade Grain Goatskin
• Arc rating of 37.5 cal/cm²



• DUPONT® Kevlar

13 GAUGE



CUT A5 ABR 4

906DPOK Sizes: M-XXXL
• Grain Goatskin with Cowhide Double Palm DuPont™ Kevlar® Lined Palm



HYPERMAX

13 GAUGE



CUT A5 ABR 5 PUNY 4 IMPACT 1

UT1954 Sizes: S-XXL
• Hypermax™ engineered yarn shell
• Sandy Nitrile Foam coated palm and fingertips



HYPERMAX

CUT A5 ABR 6 PUNY 4 IMPACT 1 HEAT 2

PD3430 Sizes: M-XXXL
• HyperMax™ Cut Resistant 360 Degree Liner
• TPR Back of Hand Protection



HYPERMAX

CUT A5 ABR 3 PUNY 3 IMPACT 1

36136HP Sizes: S-XXL
• HyperMax™ Cut Resistant 360 Degree Liner
• NOTICE - TPR color changing to Orange



• DUPONT® Kevlar

CUT A5 ABR 4 PUNY 3 IMPACT 1 HEAT 3

36136KDP Sizes: M-XXL
• DuPont™ Kevlar® / synthetic liner
• TPR Back of Hand Protection



• DUPONT® Kevlar

CUT A5 ABR 4 PUNY 3 IMPACT 1 HEAT 3

36336K Sizes: S-XXL
• Select Goatskin Leather, lined with DuPont™ Kevlar®
• TPR Back of Hand Protection



UT2953

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
1400H	Leather Palm	N/A	ARX®		Split Cow		Yes	3	3	3
3613H	Leather Driver	N/A	ARX®		Goatskin		Yes	4	3	3
4955H	Welder	N/A	ARX®		Grain Cow		Yes	4	3	3
9818NF	Seamless	18	ARX®		Foam Nitrile		Yes	5	4	X
3611DT	Leather Driver	N/A	Dyneema®		Goatskin		Yes	4	3	X
90730	Seamless	13	Dyneema®		Sandy Nitrile		Yes	4	3	X
PD1902	Mechanics	N/A	HyperMax™		Silicone Tread		Yes	5	2	X
PD2909	Mechanics	N/A	HyperMax™		Silicone Tread		Yes	5	2	X
92721	Seamless	21	HyperMax®		PU		Yes	3	2	X
92748HV	Seamless	18	HyperMax®	H-V	Nitrile Dot		Yes	5	3	X
92773	Seamless	15	HyperMax™		Polyurethane		Yes	4	3	X
92745PU	Seamless	15	HyperMax™		Polyurethane		Yes	4	3	X
N2659HVL	Supported	15	HyperMax™	H-V	PVC	H-V	Yes	6	3	X
92724	Seamless	13	HyperMax®	H-V	PU		Yes	X	X	X
92754	Seamless	13	HyperMax®		Sandy Nitrile		Yes	5	4	X
92713PU	Seamless	13	HyperMax®		PU		Yes	4	3	X
9273PU	Seamless	13	HyperMax®	H-V	PU		Yes	5	4	X



1400H Sizes: M-XL
• ARX® Lined Split Leather
• 2.5" plasticize safety cuff



3613H Sizes: S-XXL
• ARX® Lined Select Grain Goatskin Leather
• ARC rating of 40 cal/cm²



4955H Sizes: M-XL
• ARX® Lined Split Leather
• 4" split cowhide leather cuff



9818NF Sizes: XXS-XXL
• ARX® engineered yarn shell
• Nitrile Foam coated palm and fingertips



92721 Sizes: XS-XXL
• Hypermax™ engineered yarn shell
• Bi-Polymer coated palm and fingertips



92748HV Sizes: XS-XXL
• Hypermax™ engineered yarn shell
• Nitrile coated palm and fingertips, Nitrile Micro Dotted palm



92773 Sizes: XS-XXL
• Hypermax™ engineered yarn shell
• Polyurethane (PU) coated palm and fingertips



92745PU Sizes: XS-XXL
• Hypermax™ engineered yarn shell
• Polyurethane (PU) coated palm and fingertips



92724 Sizes: XS-XXL
• Hypermax™ engineered yarn shell
• Polyurethane (PU) coated palm and fingertips



92754 Sizes: XS-XXL
• Hypermax™ engineered yarn shell
• Nitrile Double coated palm and fingertips



92713PU Sizes: XS-XXL
• Hypermax™ engineered yarn shell
• Polyurethane (PU) coated palm and fingertips



9273PU Sizes: M-XXXL
• Hypermax™ engineered yarn shell
• Polyurethane (PU) coated palm and fingertips

ANSI A4 Cut Protection



A4 ANSI CUT \geq 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
92753	Seamless	13	HyperMax™		Foam Nitrile		Yes	5	2	X
92783	Seamless	13	HyperMax™		Foam Nitrile		Yes	4	5	1
9273HV	Seamless	13	HyperMax™	H-V	Foam Nitrile	H-V	Yes	4	3	X
92753PU	Seamless	13	HyperMax™		Polyurethane		Yes	6	4	X
UT1951	Seamless	13	HyperMax™		Latex		Yes	4	5	X
UT1952	Seamless	13	HyperMax™		Sandy Nitrile		Yes	4	4	X
UT1953	Seamless	13	HyperMax™	H-V	Sandy Nitrile		Yes	4	4	X
UT2952	Mechanics	13	HyperMax™		Foam Nitrile	H-V	Yes	5	4	1
UT2953	Mechanics	13	HyperMax™		Foam Nitrile		Yes	5	4	1
MU3624FR	Leather Driver	N/A	Kevlar®		Goatskin		Yes	4	4	3
MU3624GFR	Leather Driver	N/A	Kevlar®		Goatskin		Yes	4	4	3
MU3624GK	Leather Driver	13	Kevlar®		Goatskin		Yes	4	4	3
MU3624K	Leather Driver	13	Kevlar®		Goatskin		Yes	4	4	3
MU3634K	Leather Driver	13	Kevlar®		Goatskin		Yes	4	4	3
48406K	Welder	N/A	Kevlar®		Goatskin		Yes	3	3	3
4840K	Welder	13	Kevlar®		Goatskin		Yes	3	3	3



- 92753 Sizes: XS-XXL
- Hypermax™ engineered yarn shell
 - Flat Nitrile over-the-knuckle coating
 - Foam Nitrile coated palm and fingertips



- 92783 Sizes: XS-XXL
- Hypermax™ engineered yarn shell
 - Flat Nitrile full coating
 - Foam Nitrile coated palm and fingertips



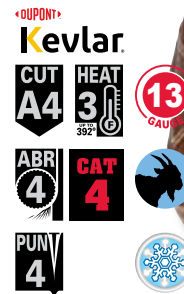
- 9273HV Sizes: XS-XXL
- Hypermax™ engineered yarn shell
 - Nitrile Foam coated palm and fingertips



- MU3624FR Sizes: L-XL
- DuPont™ Kevlar® Lined Grain Goatskin Leather
 - ARC rating of 24.7 cal/cm²



- MU3624GK Sizes: M-XXL
- DuPont™ Kevlar® Lined Grain Goatskin Leather Double Palm
 - ARC rating of 61.4 cal/cm²



- MU3624K Sizes: XS-XXXL
- DuPont™ Kevlar® Lined Grain Goatskin Leather Double Palm
 - ARC rating of 61.4 cal/cm²



- MU3634K Sizes: M-XXL
- DuPont™ Kevlar® Lined Grain Goatskin Leather Double Palm
 - ARC rating of 61.4 cal/cm²



- 48406K Sizes: S-XL
- DuPont™ Kevlar® Lined Select Grain Goatskin Leather
 - 5" brown split cow leather cuff



- 4840K Sizes: XS-XXL
- DuPont™ Kevlar® Lined Grain Goatskin Leather
 - 6" Split Cowhide Cuff

ANSI A4 Cut Protection



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
9188PUB	Seamless	18	Kevlar®		PU		Yes	3	2	X
9188SFB	Seamless	18	Kevlar®		Sandy Foam		Yes	X	X	X
9389	Seamless	13	Kevlar®		Latex		Yes	3	4	X
9178LO	Seamless	13	Kevlar®	HV	Foam Latex	HV	Yes	4	4	3
9178NF	Seamless	13	Kevlar®		Foam Nitrile		Yes	6	4	X
9178NFO	Seamless	13	Kevlar®	HV	Foam Nitrile	HV	Yes	4	4	2
9178PUO	Seamless	13	Kevlar®	HV	Polyurethane	HV	Yes	4	2	2
9379ARC	Seamless	13	Kevlar®		APG		Yes	X	3	X
9389PV	Seamless	13	Kevlar®		HPT		Yes	4	2	X
96871	Seamless	10	Kevlar®		Latex		Yes	4	5	5
93891PU	Seamless	10	Kevlar®		Polyurethane		Yes	5	3	X
9366KF	Seamless	7	Kevlar®		PVC dots 2 sides		Yes	3	X	X
9399	Seamless	7	Kevlar®		Uncoated		Yes	5	X	2
9370KF	Seamless	7	Kevlar®		Uncoated		Yes	2	X	3
MG9645	Seamless	18	Nylon/Glass		PVC-Nitrile		Yes	5	3	1
N9691	Seamless	15	Nylon/Glass		HPT		Yes	3	3	X



9188PUB Sizes: XS-XXL
• DuPont™ Kevlar® engineered yarn shell
• Polyurethane (PU) coated palm and fingertips



9188SFB Sizes: XS-XXL
• DuPont™ Kevlar® engineered yarn shell
• Sandy Nitrile Foam coated palm and fingertips



9389 Sizes: S-XXL
• DuPont™ Kevlar® / Stainless Steel engineered yarn shell
• Latex coated palm and fingertips



9178LO Sizes: S-XXL
• DuPont™ Kevlar® engineered yarn shell
• Latex Foam coated palm and fingertips



9178NF Sizes: XS-XXXL
• DuPont™ Kevlar® engineered yarn shell
• Nitrile Foam coated palm and fingertips



9178NFO Sizes: S-XXL
• DuPont™ Kevlar® engineered yarn shell
• Nitrile Foam coated palm and fingertips



9178PUO Sizes: XXS-XXL
• DuPont™ Kevlar® engineered yarn shell
• Polyurethane (PU) coated palm and fingertips































9389PV Sizes: S-XXL
• DuPont™ Kevlar® / synthetic engineered yarn shell
• Textured HPT over-the-knuckle coating



96871 Sizes: XS-XL
• DuPont™ Kevlar® engineered yarn shell
• Crinkle Latex coated palm and fingertips


A3 ANSI CUT \geq 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
SA9375	Seamless	7	ARX®		Uncoated		Yes	2	X	3
SA9380	Seamless	7	ARX®		Split Cow		Yes			
90750	Seamless	15	Dyneema®		Sandy Nitrile		Yes	4	3	X
90752	Seamless	15	Dyneema®		Polyurethane		Yes	5	3	X
N9676DT	Seamless	15	Dyneema®		BNF (Nitrile)		Yes	X	3	X
9672	Seamless	13	Dyneema®		Polyurethane		Yes	5	3	X
9676	Seamless	13	Dyneema®		Polyurethane		Yes	6	3	X
9677	Seamless	13	Dyneema®		Polyurethane		Yes	5	3	X
N9677	Seamless	13	Dyneema®		Polyurethane		Yes	5	3	X
N96780	Seamless	13	Dyneema®		Nitrile Wave		Yes	5	4	X
96720NF	Seamless	13	Dyneema®		Foam Nitrile		Yes	5	3	X
9672DT	Seamless	13	Dyneema®		Bi-Polymer		Yes	5	3	X
N9676G	Seamless	10	Dyneema®		Bi-Polymer		Yes	5	3	X
N9676GKD	Seamless	10	Dyneema®		Bi-Polymer		Yes	5	3	X



- 90750 Sizes: S-XXL
- Dyneema® Diamond Technology engineered yarn shell
 - Sandy Nitrile coated palm and fingertips



- 90752 Sizes: S-XXL
- Dyneema® Diamond Technology engineered yarn shell
 - Polyurethane (PU) coated palm and fingertips



- Ng676DT Sizes: S-XL
- Dyneema® Diamond Technology engineered yarn shell
 - BNF (Breathable Nitrile Foam) with NFT® coated palm and fingertips



- 9672 Sizes: XS-XXL
- Dyneema® Diamond Technology engineered yarn shell
 - Polyurethane (PU) coated palm and fingertips



- 9676 Sizes: XS-XXL
- Dyneema® Diamond Technology engineered yarn shell
 - Polyurethane (PU) coated palm and fingertips



- 9677 Sizes: XS-XXL
- Dyneema® Diamond Technology engineered yarn shell
 - Polyurethane (PU) coated palm and fingertips



- Ng677 Sizes: S-XXL
- Dyneema® Diamond Technology engineered yarn shell
 - Polyurethane (PU) coated palm and fingertips



- Ng6780 Sizes: S-XXL
- Dyneema® Diamond Technology engineered yarn shell
 - Wave Nitrile coated palm and fingertips



- Ng676G Sizes: S-XL
- Dyneema® Diamond Technology engineered yarn shell
 - Bi-polymer coated palm and fingertips

ANSI A3 Cut Protection



A3 ANSI CUT \geq 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
9278NF	Seamless	18	HyperMax™		Foam Nitrile		Yes	4	4	X
92715PU	Seamless	15	HyperMax™		Polyurethane		Yes	5	4	X
92715NF	Seamless	15	HyperMax™		Foam Nitrile		Yes	4	4	X
92737	Seamless	13	HyperMax™		Silicone	Clear	Yes	6	3	1
92752	Seamless	13	HyperMax™		Polyurethane		Yes	4	4	X
92733PU	Seamless	13	HyperMax™		Polyurethane		Yes	4	3	X



9278NF Sizes: XS-XXL
• Hypermax™ engineered yarn shell
• Nitrile Foam coated palm and fingertips



92715PU Sizes: XS-XXL
• Hypermax™ engineered yarn shell
• Polyurethane (PU) coated palm and fingertips



92715NF Sizes: XS-XXL
• Hypermax™ engineered yarn shell
• Nitrile Foam coated palm and fingertips



92737 Sizes: XS-XXL
• Hypermax™ engineered yarn shell
• Clear Silicone coated palm and fingertips





































92752 Sizes: XXS-XXL
• Hypermax™ engineered yarn shell
• Polyurethane (PU) coated palm and fingertips



92733PU Sizes: S-XXL
• Hypermax™ engineered yarn shell
• Polyurethane (PU) coated palm and fingertips



A3 ANSI CUT \geq 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
9784IKO	Supported	N/A	Kevlar®		Nitrile		Yes	6	2	4
9760K	Supported	N/A	Kevlar®		Nitrile		Yes	3	X	3
9470K	HotMill	N/A	Kevlar®		Nitrile Blocks		Yes	X	X	5
1700K	Leather Palm	N/A	Kevlar®		A+ Grade Cow		Yes	5	5	3
1702	Leather Palm	N/A	Kevlar®		A+ Grade Cow		Yes	5	5	3
N9878BNF	Seamless	18	Kevlar®		BNF (Nitrile)		Yes	6	2	X
9687	Seamless	10	Kevlar®		Latex		Yes	4	5	4
1400K	Leather Palm	10	Kevlar®		Split Cow		Yes	X	5	4
9365	Seamless	7	Kevlar®		PVC dots 1 side		Yes	3	X	X
9366	Seamless	7	Kevlar®		PVC dots 2 sides		Yes	3	X	X
9366BK	Seamless	7	Kevlar®		PVC dots 2 sides		Yes	3	X	X
9686	Seamless	7	Kevlar®		Split Cow		Yes	5	4	3
9370	Seamless	7	Kevlar®		Uncoated		Yes	2	X	3
9373	Seamless	7	Kevlar®		Uncoated		Yes	2	X	3
9375	Seamless	7	Kevlar®		Uncoated		Yes	X	X	3
9367	Seamless	7	Kevlar®		Uncoated		Yes	2	X	3
9348D	Seamless	13	Spectra®		Uncoated		Yes	3	X	X

• DUPONT™
Kevlar.



- 9470K Size: L
- Heavy Weight DuPont™ Kevlar® / Cotton engineered yarn shell
 - 2 Sided Nitrile Blocks

• DUPONT™
Kevlar.



- 1702 Sizes: S-XL
- DuPont™ Kevlar® lined palm
 - A+ Side Leather Palm

• DUPONT™
Kevlar.



- Ng878BNF Sizes: S-XXL
- DuPont™ Kevlar® engineered yarn shell
 - BNF (Breathable Nitrile Foam) with NFT® coated palm and fingertips

• DUPONT™
Kevlar.



- 9687 Sizes: S-XXL
- DuPont™ Kevlar® engineered yarn shell
 - Latex coated palm and fingertips

• DUPONT™
Kevlar.



- 1400K Sizes: S-XXL
- DuPont™ Kevlar® plaited lined palm
 - Split Leather Palm

• DUPONT™
Kevlar.



- 9366 Sizes: XS-XL
- DuPont™ Kevlar® engineered yarn shell
 - 2 Sides PVC Dots

• DUPONT™
Kevlar.



- 9366BK Sizes: S-XXL
- DuPont™ Kevlar® engineered yarn shell
 - 2 Sides PVC Dots

• DUPONT™
Kevlar.



- 9686 Sizes: S-XL
- DuPont™ Kevlar® engineered yarn shell
 - Split Leather Palm

• DUPONT™
Kevlar.



- 9370 Sizes: S-XL
- DuPont™ Kevlar® engineered yarn shell
 - Uncoated shell

ANSI A2 Cut Protection



A2 ANSI CUT ≥ 500 Grams NEW

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
92728HV	Seamless	18	HyperMax®	HV	Foam Nitrile	HV	Yes	3	3	X
92718NF	Seamless	18	HyperMax™		Foam Nitrile		Yes	4	3	X
96782	Seamless	18	HyperMax™		Nitrile		Yes	5	3	X
92718PU	Seamless	18	HyperMax™		Polyurethane		Yes	3	4	X
92752PU	Seamless	13	HyperMax®		Nitrile		Yes	4	X	X
92723PU	Seamless	13	HyperMax™		Polyurethane		Yes	4	4	X
92723NF	Seamless	13	HyperMax™		Foam Nitrile		Yes	5	4	X
92723HV	Seamless	13	HyperMax™	HV	Foam Nitrile	HV	Yes	6	3	X
6620KV	Supported	N/A	Kevlar®		PVC		Yes	5	2	X



9672DT2 Sizes: S-XXL

- Dyneema® Diamond Technology engineered yarn shell
- Polyurethane (PU) coated palm and fingertips



92728HV Sizes: XS-XXL

- Hypermax™ engineered yarn shell
- Hypermax™ engineered yarn shell
- Nitrile coated palm and fingertips



92718NF Sizes: XXS-XXL

- Hypermax™ engineered yarn shell
- Nitrile Foam coated palm and fingertips



96782 Sizes: XS-XXXL

- Hypermax™ engineered yarn shell
- Foam Nitrile coated palm and fingertips



92718PU Sizes: XS-XXL

- Hypermax™ engineered yarn shell
- Polyurethane (PU) coated palm and fingertips



92752PU Sizes: S-XXL

- Hypermax™ engineered yarn shell
- Polyurethane (PU) coated palm and fingertips



92723PU Sizes: XS-XXL

- Hypermax™ engineered yarn shell
- Polyurethane (PU) coated palm and fingertips



92723NF Sizes: S-XXL

- Hypermax™ engineered yarn shell
- Nitrile Foam coated palm and fingertips



92723HV Sizes: S, L

- Hypermax™ engineered yarn shell
- Nitrile Foam coated palm and fingertips

ANSI A2 Cut Protection



• DUPONT™
Kevlar



9430KM Sizes: M-L

- DuPont™ Kevlar® / Cotton Blend
- Regular Weight Terrycloth shell
- Cool and easy to wear

• DUPONT™
Kevlar



9430KME Size: L

- DuPont™ Kevlar® / Cotton Blend
- Regular Weight Terrycloth shell
- Competitive Value Grade

• DUPONT™
Kevlar



9432KM Size: S

- DuPont™ Kevlar® / Cotton-Poly Blend
- Regular Weight Terrycloth shell

A2 ANSI CUT ≥ 500 Grams NEW

Item #	Type	Gauge/ Lining	Fiber	Shell Color	Palm	Palm Color	ANSI-ISEA 125 Level 2 Cert	ANSI Abrasion	ANSI Puncture	ANSI Conductive Heat
9430KM	TerryCloth	N/A	Kevlar®		Uncoated		Yes	3	X	4
9430KME	TerryCloth	N/A	Kevlar®		Uncoated		Yes	3	X	4
9432KM	TerryCloth	N/A	Kevlar®		Uncoated		Yes	3	X	4
9433KM	TerryCloth	N/A	Kevlar®		Uncoated		Yes	X	X	4
9435KM	TerryCloth	N/A	Kevlar®		Uncoated		Yes	3	X	4
9436KM	TerryCloth	N/A	Kevlar®		Uncoated		Yes	3	X	4
9693PU	Seamless	15	Kevlar®		Polyurethane		Yes	X	2	X
9693	Seamless	13	Kevlar®		Nitrile		Yes	3	2	2
9393	Seamless	13	Kevlar®		Uncoated		Yes	2	X	3
9394	Seamless	13	Kevlar®		Uncoated		Yes	2	X	3
9397	Seamless	13	Kevlar®		Uncoated		Yes	2	X	3
9392	Seamless	10	Kevlar®		PVC dots 2 sides		Yes	X	X	X
9390PD	Seamless	10	Kevlar®		PVC dots 2 sides		Yes	X	X	X
9390	Seamless	10	Kevlar®		Uncoated		Yes	X	X	X
9370H	Seamless	7	Kevlar®		Honey Grip		Yes	X	X	X
9363MB	Seamless	7	Kevlar®		PVC blocks 2 sides		Yes	3	3	X
9361	Seamless	7	Kevlar®		PVC dots 1 side		Yes	X	X	X
9369	Seamless	7	Kevlar®		PVC dots 2 sides		Yes	2	X	X
9366E	Seamless	7	Kevlar®		PVC dots 2 sides		Yes	3	X	X
9363	Seamless	7	Kevlar®		PVC dots 2 sides		Yes	X	X	X
9363E	Seamless	7	Kevlar®		PVC dots 2 sides		Yes	X	X	X
9368	Seamless	7	Kevlar®		PVC flat coat		Yes	X	X	X
9380	Seamless	7	Kevlar®		Split Cow		Yes	X	4	X
9362	Seamless	7	Kevlar®		Uncoated		Yes	X	X	X
3204K	Leather Driver	7	Kevlar®		Grain Cow		Yes	4	3	3

• DUPONT™
Kevlar.



9433KM Size: L

- DuPont™ Kevlar® / Cotton-Poly Blend Competitive Value (CV) Terry cloth shell
- Domestic, seamless, reversible pattern

• DUPONT™
Kevlar.



9435KM Size: L

- DuPont™ Kevlar® / Cotton-Poly Blend Regular Weight Terry cloth shell
- Reinforced thumb crotch

• DUPONT™
Kevlar.



9436KM Sizes: S, L

- DuPont™ Kevlar® / Cotton Blend
- Cotton knit wrist

• DUPONT™
Kevlar.



9693PU Sizes: S-XXL

- DuPont™ Kevlar® engineered yarn shell
- Polyurethane (PU) coated palm and fingertips

• DUPONT™
Kevlar.



9693 Sizes: XS-XXL

- DuPont™ Kevlar® engineered yarn shell
- Textured Nitrile coated palm and fingertips

• DUPONT™
Kevlar.



9370H Sizes: S-L

- DuPont™ Kevlar® engineered yarn shell
- PVC Honey Grip on 2 Sides

• DUPONT™
Kevlar.



9363 Sizes: XS-XL

- DuPont™ Kevlar® engineered yarn shell with Cotton Interior
- PVC Dots on 2 Sides

• DUPONT™
Kevlar.



9362 Sizes: XS-XL

- DuPont™ Kevlar® engineered yarn shell with Cotton Interior
- Uncoated

• DUPONT™
Kevlar.



3204K Sizes: S-XXL

- DuPont™ Kevlar® Lined Select Grade Cow Grain Leather
- Sewn with DuPont™ Kevlar® thread



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