

We started a journey more than 16 years ago. A group of hardworking people with a new technology that no one had ever seen. One that had the potential to change the way people viewed safety gloves. One that could change the lives of workers across the world. We started with one industry and one glove. We changed, altered, tested, and trialed until we began eliminating hand injuries for a few large companies. Eliminated – as in zero – none. That's when we knew we were changing the landscape of safety forever.

We grew and expanded from hand protection to arm, leg, and body protection solving century-old safety problems. We did this by working side-by-side with our customers, creating solutions where others couldn't. When our customers started asking how we could solve other safety problems, we began to seek an innovative partner who shares our values, leads the market globally, and has changed the safety industry in the same way we changed hand, arm, and body protection.

Today, we're proud to say we've achieved just that. With the help of an innovative German PPE partner – a global leader with over 90 years' experience – we've expanded our PPE portfolio, beginning with industry-changing safety eyewear. This joint venture has allowed us to combine resources and address unsolved issues in safety eyewear through manufacturing, engineering, design, and technical expertise, creating the most advanced line of safety eyewear in the industry.

These are just the beginning of what's to come in a long line of PPE advancements from HexArmor.® We look forward to continuing to work alongside you, our customers, and bringing you groundbreaking PPE solutions that give workers the protection they deserve. Because in the end, we aren't just PPE. We're the confidence, safety, and livelihood of those we protect.

## SAFETY + REDEFINED.



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### **Eyewear Technology**

#### The Highest-Quality Eyewear in the Industry

Well-thought-out design. Industry-leading technology. The highest-quality materials. This is what you've come to expect from HexArmor® PPE,



and that trend continues with HexArmor® Safety Eyewear.

Made in Germany and backed by over 90 years of experience —
from the product design to the coating technology and frame
manufacturing, you'll experience a purpose-driven product unlike
any eyewear in the Americas.



#### Flow-Coating

With HexArmor's newest line of PPE comes a true breakthrough in safety eyewear. Utilizing our proprietary flow-coating technology secured through our joint venture, lenses are coated one side at a time with either permanent anti-fog or a scratch-resistant hard coat, giving wearers specific protection where they need it the most.

Flow-coating is profoundly different from other traditional dip-coating methods used by other safety eyewear brands. Flow-coating allows lenses to be coated one side at a time with either a permanent anti-fog or a scratch-resistant hard coat, giving wearers specific protection where they need it the most. Dip-coating applies an identical coating to both sides of the lens and can sacrifice the quality of one protective property over the other.

#### **Premium Components**

The manufacturing process, including our proprietary dual- and triple-component injection molding that combines hard and soft components, gives you a durable product with the highest comfort and fit.

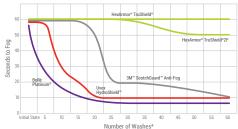


#### LTX® Lens Technology

Proprietary LTX® Lens Technology with edge-to-edge optical clarity is the byproduct of 90+ years of German-manufacturing and optical expertise. LTX® Lens Technology gives wearers as close to natural vision as possible for fewer headaches, eye fatigue, or strain. All lenses are manufactured in-house with quality checks throughout the production process to ensure that any deviation in optical quality can be immediately corrected.

#### Cleanability: HexArmor® Vs. Competitors

HexArmor's permanent anti-fog coatings outperform even the highest performing competitors. As you can see in the chart below, 3M™ ScotchGuard™ Anti-Fog, Uvex HydroShield™, and Bollé Platinum® coatings, while effective initially, wash off over time. This is due to their chemically similar soap-based make-up, many of them sharing the same manufacturers overseas.



\*One wash is equal to cleaning by thumb with rotary movement and medium pressure under running warm water for five seconds.



### **Coatings**

#### HexArmor® Coatings

HexArmor® Anti-fog Coatings are chemically engineered and applied using a proprietary flow coating process for permanent, everlasting performance that will not wash off.

COATING DESCRIPTIONS:			
Coating	Interior	Exterior	Use
TruShield®	Permanent anti-fog	Scratch resistant hard coat	Multipurpose
TruShield®2F	Permanent anti-fog and scratch resistance	Permanent anti-fog and scratch resistance	Hot to cold, cold to hot transition for moderately dirty environments
TruShield®S	Permanent dual action anti-fog	Scratch resistant hard coat	Work areas with dirt and debris, more severe fogging factors
TruShield®2SF	Permanent dual action anti-fog	Permanent dual action anti-fog	Constant environmental fogging
Variomatic	Permanent anti-fog	Scratch resistant hard coat	Self-tinting (dark within 10 seconds, lighter within 30 seconds)

### **Tints**

#### **Clear 91% Light Transmission**

Nearly 100% consistent optical clarity, as close to natural vision as possible.



#### **Amber 88% Light Transmission**

Brightens and adds contrast to shapes and shadows by sharpening detail.



#### Silver Mirror 53% Light Transmission

Allows moderate light transmission through the lens, reduces the need for squinting.



#### Silver Mirror 12% Light Transmission

Allows minimal light transmission through the lens, reduces glare.



#### **Grey 23% Light Transmission**

Reduces brightness of surroundings without color distortion.



#### **Grey 14% Light Transmission**

Allows minimal light transmission without color distortion.



#### **CBR65™ Blue Light Filter**

Absorbs up to 50% of harmful blue light, 65% visible light transmission offers better contrast and reduces eye strain.



### **Specialty Technologies**

Anti-Reflective: HexArmor® Anti-Reflective coating reduces strain on the wearers' eyes and makes it easier to focus. This coating is scratch-resistant on both sides of the lens and provides 100% UV protection with 96.5% light transmission. Ideal for:

- · Precision work that's susceptible to glare
- Environments with artificial, mixed, or strong overhead lighting
- Detailed tasks

Variomatic/Variomatic Dark: Combined with HexArmor's TruShield® coating, Variomatic coated lenses become automatically darker when exposed to UV (within 10 seconds) and become lighter when exposure is reduced (after 30 seconds). Ideal for:

 Frequent movement between indoor and outdoor environments or from light to dark.

**Variomatic:** 86% light transmission darkens to 14% light transmission

**Variomatic Dark:** 37% light transmission darkens to 6% light transmission

Polarization: HexArmor's polarized lens technology blocks unnecessary and unwanted glare from workers' sight, allowing them to perceive their surroundings more accurately and clearly. Protection against reflections and optical irritations also allows for great visual comfort, safeguarding against eyestrain and fatique. Ideal for:

- · Enhancing contrast and detail outdoors
- Applications involving water, sheet metal and snow













## MX200 HexArmor® Eyewear

- Rimless lens design with wide field of vision
- Dual-injection molded soft-grip side arms
- · Metal-free hinge design
- Integrated channel for eye ventilation
- Contoured nose bridge
- LTX® Lens Technology for complete optical clarity

I		Coating	Part Number
	Clear	TruShield®	11-10001-02
	Clear	TruShield®2F	11-10002-03
	Clear	TruShield®S	11-10003-04
	Clear	TruShield®2SF	11-10004-05
	Amber	TruShield®	11-10005-02
	Grey 23%	TruShield®	11-10006-02
	Silver Mirror 53%	Anti-fog inside	11-10007-06
	Attachable Foam (	Sasket	14-10012

Compliant with ANSI Z87.1-2015, CE EN166, CSA Z94.3\*, and High Impact Rated Z87+ \*(TruShield\*2SF is not CSA Z94.3 certified)















### MX2005 HexArmor® Eyewear

- · Slim design for a narrow fit
- Rimless lens design with wide field of vision
- Dual-injection molded soft-grip side arms
- Metal-free hinge design
- Integrated channel for eye ventilation
- Contoured nose bridge
- LTX® Lens Technology for complete optical clarity

111101	Lycw	Cai
Lens	Coating	Part Number
Clear	TruShield*	11-11001-02
Clear	TruShield*S	11-11002-04
Clear	TruShield*2SF	11-11003-05
Amber	TruShield*	11-11004-02
Grey 23%	TruShield*	11-11005-02
Silver Mirror 53%	Anti-fog inside	11-11006-06
Attachable Foa	m Gasket	14-10013

Compliant with ANSI Z87.1-2015, CE EN166, CSA Z94.3\*, and High Impact Rated Z87+
\*(TruShield\*2SF is not CSA Z94.3 certified)



### MX200G HexArmor® Eyewear

- · Removable foam gasket
- · Clip-on head strap
- Dual-injection molded soft-grip side arms
- · Metal-free hinge design
- Integrated channel for eye ventilation
- · Soft-grip side arms
- · Contoured nose bridge
- LTX® Lens Technology for complete optical clarity

	,	
	Coating	Part Number
Clear	TruShield*S	11-12001-04
Clear	TruShield*2SF	11-12002-05
Grey 23%	TruShield*S	11-12003-04
Silver Mirror 53%	Anti-fog inside	11-12004-06
Replacement Strap  Replacement Foam Gasket		14-10014
		14-10012

Compliant with ANSI Z87.1-2015, CE EN166, CSA Z94.3\*, and High Impact Rated Z87+ \*(TruShield\*2SF is not CSA Z94.3 certified)











## MX250 HexArmor® Eyewear

- Panoramic lens for wide field of vision
- Dual-injection molded lowprofile soft-grip side arms
- · Built-in brow guard
- · Lightweight, durable construction
- · Metal-free hinge design
- Contoured nose bridge
- LTX® Lens Technology for complete optical clarity

Compliant with ANSI Z87.1-2015, CE EN166, and High Impact Rated Z87+

		Coating	Part Number
	Clear	TruShield®	11-14001-02
	Amber	TruShield*	11-14002-02
	Grey 23%	TruShield®	11-14003-02
n	Silver Mirror 53%	Anti-fog inside	11-14004-06











## MX300 HexArmor® Eyewear

- Modern wraparound style offers wide field of vision
- Brow guard provides additional protection from flying particles, dirt or dust
- Dual-injection molded soft-grip side arms
- · Metal-free hinge design
- · Integrated channel for eye ventilation
- LTX® Lens Technology for complete optical clarity

 Lens
 Coating
 Part Number

 Clear
 TrusShield\*
 11:13001-02

 Amber
 TrusShield\*
 11:13002-02

 Grey 23%
 TrusShield\*
 11:13003-02

 Grey 14%
 TrusShield\*
 11:13004-02

 CB865\*\*
 TrusShield\*
 11:13005-02

Compliant with ANSI Z87.1-2015, CE EN166, CSA Z94.3, and High Impact Rated Z87+





neoprené strap





## MX350 HexArmor® Eyewear

- · Soft seal frame technology adapts to face
- · Innovative brow guard provides additional protection from debris
- Fully adjustable head strap offers secure, pressure-free comfort
- D3/D4 liquid splashrated ventilation

	Coating	Part Number
Clear	TruShield*S	11-23001-04
Grey 23%	TruShield®S	11-23002-04
Clear*	TruShield*S	11-23003-04
Grey 23%*	TruShield®S	11-23004-04
*With Gas-Res	istant Neoprene St	гар

- · Soft nose piece for comfortable and secure fit
- LTX® Lens Technology for complete optical clarity

Compliant with ANSI Z87.1-2015, CE EN166, CSA Z94.3, High Impact Rated Z87+, and D3/D4 Liquid Splash Rated





## MX400P HexArmor® Eyewear

 Polarized lenses filter against reflections and optical irritations

Lens	Coating	Part Number	
Grey 14% Polarized	Anti-Scratch	11-20001-11	

- Modern wraparound style offers wide field of vision
- Dual-injection molded soft-grip side arms
- Brow guard provides additional protection from flying particles, dirt or dust
- 100% UV protection

Compliant with ANSI Z87.1-2015, CE EN166, and High Impact Rated Z87+









## V5200 HexArmor® Eyewear

- · Ultra-lightweight (21 grams)
- · Adjustable nose piece
- · Extra slim wraparound lenses
- Dual-injection molded side arm material graduates from hard to soft
- · Flexible hinged side arms
- LTX® Lens Technology for complete optical clarity

Lens	Coating	Part Number
Clear	TruShield*	11-17001-02
Clear	TruShield*2F	11-17002-03
Amber	TruShield*	11-17003-02
Grey 23%	TruShield*	11-17004-02

Compliant with ANSI Z87.1-2015, CE EN166, CSA Z94.3\*, and High Impact Rated Z87+
\*(TruShield\*2SF not CSA Z94.3 certified)





## VS250 HexArmor® Eyewear

- · Lightweight (23 grams)
- Extra soft, adjustable nose piece
- Soft, non-slip, adaptive side arms
- Contoured lens delivers wide field of vision
- LTX® Lens Technology for complete optical clarity

Coating	Part Number
TruShield®S	11-15001-04
TruShield*2SF	11-15002-05
TruShield®S	11-15003-04
TruShield*2F	11-15004-03
TruShield*	11-15005-08
TruShield®S	11-15006-04
TruShield*2SF	11-15007-05
	TruShield*S TruShield*SF TruShield*S TruShield*S TruShield*S TruShield*S TruShield* TruShield*

Compliant with ANSI Z87.1-2015, CE EN166, CSA Z94.3\*, and High Impact Rated Z87+ \*(TruShield\*2SF is not CSA Z94.3 certified)





### V5300 HexArmor® Eyewear

- Triple-injection molded hard and soft components
- Flexible side arms with 7 inclination levels
- Brow guard provides protection from flying particles, dirt or dust
- · Soft flex nose loops
- · Metal-free
- LTX® Lens Technology for complete optical clarity

		Coating	Part Number
	Clear	TruShield*	11-19001-02
	Clear	TruShield*2F	11-19002-03
	Anti-Reflective	Anti-Reflective	11-19003-07
	Variomatic	TruShield*	11-19004-08
	Variomatic Dark	TruShield*	11-19010-08
t	Clear Add+1.0	TruShield*	11-19005-09
	Clear Add+2.0	TruShield*	11-19009-10
	Amber	TruShield*	11-19006-02
	Grey 23%	TruShield*	11-19007-02
	Silver Mirror 12%	Anti-fog inside	11-19008-06
	Attachable Foam G	iasket	14-10019

Clear

Compliant with ANSI Z87.1-2015, CE EN166, CSA Z94.3\*, and High Impact Rated Z87+
\*(Add+1.0 and Add+2.0 are not CSA Z94.3 certified)





### VS3005 HexArmor® Eyewear

- Slim design for narrow face shapes
- Triple-injection molded hard and soft components

	Coating	Part Number
Clear	TruShield*	11-21001-02
Grey 23%	TruShield**	11-21002-02
Attachable Foam Gasket		14-10019

- · Flexible side arms with 7 inclination levels
- Brow guard provides protection from flying particles, dirt or dust
- · Soft flex nose loops
- · Metal-free
- LTX® Lens Technology for complete optical clarity

Compliant with ANSI Z87.1-2015, CE EN166, CSA Z94.3\*, and High Impact Rated Z87+ \*(Add+1.0 and Add+2.0 are not CSA Z94.3 certified)







## VS350 HexArmor® Eyewear

- · Wide adjustable head strap
- Soft seal frame technology adapts to face
- · Indirect ventilation system
- Compact design for compatibility with other PPE
- Low-profile, wraparound adaptive design fits a wide range of facial shapes
- LTX® Lens Technology for complete optical clarity

	Coating	Part Number
Clear	TruShield <sup>®</sup> S	12-11001-04
Grey 23%	TruShield*S	12-11002-04
Clear*	TruShield*2F	12-11003-03
Clear*	TruShield*S	12-11003-04
Grey 23%*	TruShield*S	12-11004-04
Gas-Resistant Neoprene Strap		14-10007
Goggle Cover		14-10016

\*With Gas-Resistant Neoprene Strap

Compliant with ANSI Z87.1-2015, CE EN166, CSA Z94.3, High Impact Rated Z87+, and D3/D4 Liquid Splash Rated









# LT200 HexArmor® Eyewear

- Panoramic lens with integrated side protectors and brow guard
- Dual-injection molded soft and hard components
- Adaptive, flexible side arms with 3 inclinations to fit most face shapes
- · Side arms fold flat
- Contoured nose bridge
- · LTX® Lens Technology for complete optical clarity

Limited availability

 Lens
 Coating
 Part Number

 Clear
 TruShield\*
 11-16001-02

 Clear
 TruShield\*2F
 11-16002-03

 Amber
 TruShield\*
 11-16003-02

 Grey 23%
 TruShield\*
 11-16004-02

Compliant with ANSI Z87.1-2015, CE EN166, CSA Z94.3, and High Impact Rated Z87+





## LT250 HexArmor® Eyewear

- Fits over most prescription glasses
- Adaptive soft grip side arms fold flat for easy storage
- Unrestricted peripheral vision with side protection and brow guard
- · Contoured nose bridge
- LTX® Lens Technology for complete optical clarity

Lens	Coating	Part Number
Clear	TruShield*	11-18001-02
Grey 23%	TruShield*	11-18002-02

Compliant with ANSI Z87.1-2015, CE EN166, CSA Z94.3, and High Impact Rated Z87+









### LT300 HexArmor®

- · Wide, fully adjustable high-quality head strap
- · Combines soft and hard components which adapt to wearer's face
- · Compatible with other PPE, such as respirators
- · Indirect ventilation system
- · Fits over most prescription glasses
- · LTX® Lens Technology for complete optical clarity

Lens	Coating	Part Number
Lens	coating	r art Rulliber
Clear	TruShield*	12-10001-02
Clear	TruShield*	12-10002-04
Grey 23%	TruShield*	12-10003-02
Clear*	TruShield*	12-10004-02
Grey 23%*	TruShield*	12-10005-02
Clear*	TruShield*S	12-10006-04
Clear*	TruShield*2SF	12-10007-05
Flip-Up Shade		14-10015
Goggle Cover		14-10016

Compliant with ANSI Z87.1-2015, CE EN166, CSA Z94.3, High Impact Rated Z87+, and D3/D4 Liquid Splash Rated







Grev 23%

## LT400 HexArmor® Eyewear

- Innovative lens geometry and side arms to fit most face shapes
- · Lightweight (23 grams)
- Panoramic lens with integrated side protectors and brow guard
- · Rimless lens design with wide field of vision
- · Open rail side arms for functional accessories
- LTX® Lens Technology for complete optical clarity
- · 100% metal free
- · 100% UV protection

Compliant with ANSI Z87.1-2015, CE EN166, CSA Z94.3, High Impact Rated Z87+, and D3/D4 Liquid Splash Rated

TruShield®





## LT450 HexArmor® Eyewear

 Dual-injection molded soft-grip side arms for comfort and non-slip fit

Lens	Coating	Part Number
Clear	TruShield®	11-24001-02
Grey 23%	TruShield*	11-24002-02

- Flexible side arms
   with adjustable comfort sliders for custom fit
- · Panoramic lens with integrated side protectors and brow guard
- · Rimless lens design with wide field of vision
- · Open rail side arms for functional accessories
- LTX® Lens Technology for complete optical clarity
- · 100% metal free
- · 100% UV protection

Compliant with ANSI Z87.1-2015, CE EN166, CSA Z94.3, High Impact Rated Z87+, and D3/D4 Liquid Splash Rated

### **Eyewear Cleaning Supplies**

Keeping safety eyewear clean and scratch free not only keeps workers seeing clearly, but it extends the life of the product as well - resulting in significant cost savings for companies. Our proprietary coatings are chemically formulated to perform differently than any other coating on the market – using standard,\* alcohol-based cleaner on them can cause damage. For this reason, we've created specific cleaning supplies to ensure our TruShield® coatings continuously perform to the highest standard.

#### **Cleaning Station Kit** 14-10005

Cleaning Station Kit Includes:

- (1) Cleaning Station wall mount.
   17.5" wide x12" tall.
- · (1) 8oz. bottle cleaning fluid
- (4) Low-lint cleaning tissues replacement boxes. Approximately 300 sheets/box. Anti-static. Suitable for all lens types



#### **Cleaning Station Wall Mount 14-10004**

Wall mount only. 17.5" wide x12" tall.

#### **Cleaning Tissues 14-10009**

Low-lint cleaning tissues. Approximately 300 sheets.

Anti-static, Suitable for all lens types.

#### Cleaning Fluid 14-10006

8oz cleaning fluid. Suitable for all lenses.

## Cleaning Wipes 14-10008

Individually sealed, anti-static cleaning wipes for all lens types. 100 per box.

\*Using any anti-fog wipes, alcohol-based cleaners or any other non HexArmor® product on TruShield® lenses can cause damage.



### **Eyewear Accessories**

#### **Form Gaskets**

14-10012 (MX200) 14-10013 (MX200S)

14-10019 (VS300 & VS300S)



#### **Head Straps**

14-10007

(Gas Resistant Neoprene Strap for Goggles)

14-10014

(MX200G Replacement Headband)



#### Flip-Up Shade

14-10015

(LT300)



### **Goggle Cover**

14-10016



#### **Microfiber Pouch**

14-10010

(Glasses) 14-10011

(Goggles)

**Lanyard** 14-10017





### **Technology**

#### Hand, Arm & Body Technologies

#### A Cut Above

HexArmor® is an exclusive licensee of SuperFabric®\* brand material in the industrial PPE market. HexArmor® products with SuperFabric® brand material have a secret weapon against cut hazards that no other glove can boast. SuperFabric® technology is designed to prevent lacerations and slashes from reaching the skin. Performance is



enhanced through the configuration of tiny guard plates.

### Standard Synthetic Leather Gloves Outer Shell Cut Injury— Skin Surface

#### HexArmor with SuperFabric® Synthetic Leather Gloves

Outer Shell



#### **Puncture Resistance**

A glove with excellent cut protection often lacks adequate puncture protection, which is the number one cause of cuts. Sharp hazards such as wood slivers and metal wires poke through the glove, then drag across the hand and rip through the material and the skin.

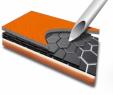
HexArmor® punctureresistant technology relies on patented SuperFabric® guard plates to stop hazards and prevent injuries.

#### Ahrasion Resistance

Our licensed SuperFabric\*\* is designed for cut and puncture resistance, but it naturally delivers incredible abrasion resistance as well. In addition, we offer various highly-durable palm materials and the highest quality construction. Our innovative designs protect against the areas most exposed to friction and excessive wearing, such as the fingertips and the area between the thumb and forefinger. This keeps workers safer, while extending the glove life.

#### **Needlestick Resistance**

HexArmor® needle resistant products work by layering SuperFabric® brand materials over each other. SuperFabric® brand material guardplates block and deflect needle hazards or trap and arrest them in the small gaps found between guardplates. Multiple aligned layers of fabric provide extra resistance against needle hazards.



### Technology

#### **Impact Resistance**

HexArmor® impact protection is tested and updated under the ISEA 138 impact protection guidelines. Our patented IR-X® Impact Exoskeleton™ is designed with optimal durometer and height for impact dissipation to absorb and redistribute the energy away from the hand and finger bones during an impact.



For wearers who need maximum impact protection, Cellutek™ impact technology by HexArmor® is proven to lessen the force of an impact up to 80% under ISEA 138 testing for some of the highest levels of protection on the market.



#### **Chemical Handling**

When working with chemicals, oils and other fluids, it's imperative to keep your skin protected. The HexArmor Ugly Mudder™ series provides protection against chemicals and liquids with a premium PVC-Nitrile coating that is cured at a high temperature. This ensures optimized plasticizing and cross-linking, as well as superior grip and abrasion resistance.

#### **Cold Weather**

HexArmor® Arctic gloves combine our H2X® waterproof liner with a Thinsulate™ liner, creating a two-layer barrier from wind, water, and chill. HexArmor® Arctic gloves also provide excellent impact protection as well as various levels of cut, puncture and abrasion resistance.



#### **Warm Weather**

HexArmor® Oasis gloves are made with HexVent® technology, which creates a breathable heat-release system, keeping hands cool and comfortable in high temperature environments.

Also available, is the ColdRush® personal cooling products. Using eVapora™ technology, the ColdRush® product line of du rags, hardhat liners, neck bands, and more, help to keep body temperatures in check on the hottest days.

#### **Grips for Every Task**

From traditional rubber dipped and leather to more advanced synthetic leathers and TP-X®, there is an optimal grip that will help get the job done.



### **Palm Coating Dips**

Beyond the materials that make up our palm grips, HexArmor® also provides further grip options using a variety of dip formulas. From water repelling PVC grips to rough grain and FR compliant dips, HexArmor® has you covered for any working condition. And we're constantly researching and testing new formulas and application methods to maximize grip and function. Helping workers redefine safety at their worksite.

#### **PVC/Nitrile Grip**

Premium PVC nitrile blend is often used in gloves designed for liquid and certain chemical resistance. It is an effective barrier against water and most watery solutions, such as detergents or diluted acids. Because PVC is 100% synthetic, it contains no latex proteins and is hypo-allergenic.

#### PVC/Nitrile Particle Grip

Premium PVC nitrile blend is often used in gloves designed for liquid and certain chemical resistance. It is an effective barrier against water and most watery solutions, such as detergents or diluted acids. Because PVC is 100% synthetic, it contains no latex proteins and is hypo-allergenic. Integrated particles for enhanced grip.

#### Wrinkle Rubber Latex

Wrinkle rubber latex is a flexible, non-porous palm coating that provides excellent dry grip. It offers good wet grip, but is not recommended for use with hydrocarbon and organic solvents such as gasoline as these can cause premature degradation. This polymer may cause allergic reactions in some people. When wrinkle rubber gets wet, it can turn a powdery gray, however, this does not affect performance.

#### **Polyurethane**

Polyurethane (PU) provides excellent dry grip that offers a balance between being tacky but not too sticky. It's a lightweight coating, helping gloves maintain a high level of dexterity and tactile sensitivity. As such, PU is good for handling small parts.

#### **Sandy Nitrile**

Sandy nitrile provides a good dry and wet grip. It is lightweight, providing excellent dexterity, and it also adds a high level of abrasion resistance. A good choice for incidental contact with unknown substances such as solvents, chemicals, oils, etc.

#### **Foam Nitrile**

Foam nitrile excels in wet conditions, and it offers excellent oil grip because of its porous properties. Oils are channeled away from the surface of a tool, allowing for more contact with the surface area, which substantially improves grip.

#### **Micro Nitrile**

Micro nitrile offers good dry and oil grip because of its porous properties. Formulated to be thinner and less permeable than nitrile foam coating. Microfoam coatings can have a slightly tacky finish.

#### Extra Grip (XG) Nitrile

Extra Grip nitrile is a solvent-free and derma safe nitrile coating that offers excellent grip and dexterity.

#### FR-Compliant Coating

Our FR-compliant palm coating increases snag and abrasion resistance and offers exceptional dry and light oil grip. Paired with a flame-resistant knit shell of 13-gauge Kevlar® and wool, it can provide hazard risk category HRC level 1 are flash protection. ATPV 7.7 cal/cm2, as per ASTM F2675/F2675M-13, determining are flash rating of hand protection devices, and contact heat protection up to 100°C (212°F).

Hex/Armon





## 4018 Mechanic's+

 SuperFabric® brand material palm provides industry-leading cut resistance (interior layer)

- Cut and abrasion-resistant SuperFabric® knuckle patch
- · Synthetic leather palm
- Neoprene cuff with pull tab and Velcro® closure
- Reflective tape on hack-of-hand

Sizes 5/XXS through 12/3XL







SuperFabric® brand material

ANSI/

 SuperFabric® brand material palm provides industry-leading cut resistance (interior layer)

- Cut and abrasion-resistant SuperFabric® knuckle patch
- · Back-of-thumb brow cloth
- Synthetic leather palm with PVC print
- Touchscreen thumb and index
- · SlipFit® cuff with nametag
- Reflective tape on back-of-hand

Sizes 6/XS through 12/3XL

ANSI/ISEA CUT GRAM SCORE CE ANSI/ISEA CUT GRAM SCORE CUT GR



SuperFabric® Protection Zone



 SuperFabric® brand material ANSI/ISEA CUT palm provides industry-leading cut resistance (interior layer)

GRAM SCORE ( 5170 **A8** 

4X22F

· Cut and abrasion-resistant SuperFabric® knuckle patch

- · Synthetic leather palm with PVC print
- · Touchscreen thumb and index
- Flastic cuff with Velcro® closure Sizes 7/S through 11/XXL



SuperFabric®



## 4023 Chrome Series® 360°

- SuperFabric® brand material provides 360° industry-leading cut resistance (interior layer)
- · Durable TP-X® palm
- Elastic cuff with Velcro® closure

Sizes 7/S through 12/3XL







 SuperFabric® brand material palm provides industry-leading cut resistance (interior layer) ANSI/ISEA CUT GRAM SCORE ( ANSI/ISEA CUT GRAM SCORE ANSI/ISEA CUT GRAM S

 Back-of-hand impact guards provide ANSI/ISEA 138 Level 1 protection on knuckles and fingers



- Padded palm reduces vibration
- · Synthetic leather palm with PVC print
- Elastic cuff with pull tab and Velcro® closure

Sizes 7/S through 11/XXL





# **4025** Chrome Series® 360°

 SuperFabric® brand material provides 360° industry-leading cut resistance (interior layer) A8 5166 4X21FP

 Back-of-hand impact guards provide ANSI/ISEA 138 Level 1 protection on knuckles and fingers



 Synthetic leather palm with PVC print

- Impact Protection
- Elastic cuff with pull tab and Velcro<sup>®</sup> closure

SuperFabric<sup>®</sup> Protection Zone

Sizes 7/S through 11/XXL



· SuperFabric® brand material palm provides industry-leading cut resistance (interior layer) ANSI/ISEA CUT GRAM SCORE ( **A8** 5486

**4X21FP** 

· Back-of-hand impact guards provide ANSI/ISEA 138 Level 1 protection on knuckles and fingers

- · Synthetic leather palm with PVC dots
- · Hi-vis color and reflective tape on back-of-hand
- · Elastic cuff with pull tab and Velcro® closure
- Lab tested in accordance with EN407 contact heat for a level 1 performance

Sizes 6/XS through 12/3XL



SuperFabric®



 SuperFabric® brand industry-leading cut

ANSI/ISEA CUT GRAM SCORE ( = **A8** 

5126 4X41FP

material palm provides resistance (interior laver)

· Back-of-hand impact guards provide ANSI/ISEA 138 Level 1 protection on knuckles and fingers

- · Durable TP-X® palm with reinforced stitching and increased durability between fingers
- · Hi-vis color and reflective tape on back-of-hand
- · Elastic cuff with pull tab and Velcro® closure Sizes 7/S through 12/3XL



SuperFabric®



#### 4030 Chrome Oasis®

 SuperFabric® brand material palm provides industry-leading cut resistance (interior layer)

ANSI/ISEA CUT GRAM SCORE 5261

**A8** 

( <del>C</del> = **4X21FP** 

· HexVent® technology allows for a

breathable heat-release system · Hi-vis back-of-hand impact guards

- provide ANSI/ISEA 138 Level 1 protection on knuckles and fingers
- · Synthetic leather palm with PVC print
- · Elastic cuff with pull tab and Velcro® closure

Sizes 7/S through 12/3XL





 SuperFabric® brand material palm provides industry-leading cut resistance (interior layer) ANSI/ISEA CUT GRAM SCORE ( = 5248 **4X13FP A8** 

- · Hi-vis back-of-hand impact guards provide ANSI/ISEA 138 Level 1 protection on knuckles and fingers
- · Goatskin leather palm provides a traditional style of comfort and grip
- Velcro® cuff

Sizes 6/XS through 12/3XL







- SuperFabric® brand material palm provides industry-leading cut resistance (interior layer)
- Goatskin leather palm provides a traditional style of comfort and grip
- · SlipFit® cuff

Sizes 5/XXS through 12/3XL







#### 4082 Chrome Series® Arctic

- SuperFabric® brand material palm provides industry-leading cut resistance (interior layer)
- C40 Thinsulate<sup>™</sup> interior liner keeps hands warm
- Goatskin leather palm provides a traditional style of comfort and grip
- Velcro® cuff

Sizes 7/S through 11/XXL









- SuperFabric® brand material palm provides industry-leading cut resistance (interior layer)
- Back-of-hand impact guards provide ANSI/ISEA 138 Level 1 protection on knuckles and fingers
- Goatskin leather palm with reinforced drag patch on outer palm
- · Reinforced index finger and thumb saddle
- · 4" safety cuff
- Lab tested in accordance with EN407 contact heat for a level 3 performance

Limited sizes available









 SuperFabric® brand material palm provides industry-leading cut resistance (interior layer) ANSI/ISEA CUT GRAM SCORE 5462

**(**€ ⊕ 4512

· Goatskin leather palm

Reinforced index finger and thumb saddle

- · Reinforced drag patch on outer palm
- · 4" safety cuff
- Lab tested in accordance with EN407 contact heat for a level 3 performance

Limited sizes available



SuperFabric® Protection Zone



# 4086 Chrome Series® Arctic

 SuperFabric® brand material palm provides industry-leading cut resistance (interior layer) ANSI/ISEA CUT GRA



 C40 Thinsulate<sup>™</sup> interior liner keeps hands warm

 Back-of-hand impact guards provide ANSI/ISEA 138 Level 1 protection on knuckles and fingers



· Velcro® cuff

Sizes 7/S through 11/XXL





SuperFabric® Protection Zon



# **4032** Chrome Core™

- SuperFabric® brand material palm provides industry-leading cut resistance (interior layer)
- Synthetic leather palm exterior adds superior wet/dry grip and abrasion resistance
- Elastic cuff with Velcro® closure

Sizes 7/S through 12/3XL







# **4033** Chrome Core™

- SuperFabric® brand material palm provides industry-leading cut resistance (interior layer)
- Synthetic leather palm exterior adds superior wet/dry grip and abrasion resistance
- Touchscreen thumb and index
- SlipFit® cuff
   Sizes 7/S through 11/XXL







## **4034** Chrome Core™

- SuperFabric® brand material palm provides industry-leading cut resistance (interior layer)
- Synthetic leather palm exterior adds superior wet/dry grip and abrasion resistance
- Partial fingers on index, middle, and thumb for high dexterity applications
- SlipFit® cuff
   Limited sizes available

ANSI/ISEA CUT GRAM SCORE CE 4

A8 5150 4X22F

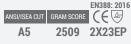




## 4060 Chrome SLT®

- Back-of-hand impact guards provide ANSI/ISEA 138 Level 1 protection on knuckles and fingers
- · Goatskin leather palm
- Full aramid liner for 360° cut protection
- · SlipFit® cuff
- Lab tested in accordance with HRC ATPV: 23.6 Cal/cm2 for a level 2 performance

Sizes 6/XS through 12/3XL



EN407: 2004 Contact

Contact Heat Level 1
Large splashes of molten metal Level 1
X2XXX1

Aramid Liner Impact



#### 4061 Chrome SLT®

- · Goatskin leather palm
- Full aramid liner for 360° cut protection
- · SlipFit® cuff
- Lab tested in accordance with HRC ATPV: 46 Cal/cm2 for a level 4 performance

Sizes 6/XS through 12/3XL

		EN388: 2010
ANSI/ISEA CUT	GRAM SCORE	(€ 😉
A5	2509	2X23E

EN407: 2004

Burning Behaviour
Contact Heat
Convective Heat
Convective Heat
Radiant Heat
Level 2
Level 2
Small splashes of motten metal
Level 1
Level 1
Level 1
Level 1
Level 2
Level 3
Level 4
Level







## 4062 Chrome SLT®

- Goatskin leather palm
- Full aramid liner for 360° cut protection
- Extended safety cuff for easy on and off
- Lab tested in accordance with HRC ATPV: 46 Cal/cm2 for a level 4 performance

Sizes 6/XS through 13/4XL

		EN388: 2016
ANSI/ISEA CUT		~ ~ ~
A5	2509	2X23E

EN407: 2004

Burning Behaviour
Contact Heat
Convective Heat
Level 2
Level 2
Small splashes of molten metal
Level 1
Level 3
Level 2
Level 2
Level 2
Level 2
Level 2
Level 2
Level 3
Level 3
Level 4
Lev



Aramid Liner



# 4063 Chrome SLT® Winter

- HPPE blend palm provides industry-leading cut resistance (interior layer)
- C100 Thinsulate<sup>™</sup> interior liner keeps hands warm
- Goatskin leather palm provides a traditional style of comfort and grip
- OilGuard® treated leather helps delay saturation issues
- Velcro® cuff
   Sizes 7/S through 12/3XL







## 4064 Chrome SLT® Winter

 HPPE blend palm provides industry-leading cut resistance (interior layer)

ANSI/ISEA CUT Δ4



 C100 Thinsulate™ interior liner keeps hands warm

- · Back-of-hand impact guards provide ANSI/ISEA 138 Level 1 protection on knuckles and fingers
- · Goatskin leather palm
- OilGuard® treated leather helps delay saturation issues
- Velcro® cuff

Sizes 7/S through 12/3XL







#### **4070** Chrome SLT® 360°

· HPPE blend liner provides resistance (interior layer)

ANSI/ISEA CUT **A6** 

GRAM SCORE ( **4X41FP** 

360° industry-leading cut

· Back-of-hand impact guards provide ANSI/ISEA 138 Level 1 protection on knuckles and fingers

- · Synthetic leather palm with PVC dots
- · Hi-vis color on back-of-hand
- · Elastic cuff with pull tab and Velcro® closure

Sizes 6/XS through 12/3XL



3685





# 4071 Chrome SLT® 360°

· HPPE blend liner provides 360° industry-leading cut resistance (interior layer)

ANSI/ISEA CUT GRAM SCORE ( 3534 **A6** 

**4X42FP** 

· Back-of-hand impact guards provide ANSI/ISEA 138 Level 1 protection on knuckles and fingers

- Durable TP-X® palm
- · Enhanced palm construction for increased durability between fingers
- · Elastic cuff with pull tab and Velcro® closure

Sizes 6/XS through 12/3XL







#### **4072** Chrome SLT® 360°

- · HPPE blend liner provides 360° industry-leading cut resistance (interior layer)
- · Synthetic leather palm
- · Hi-vis color on hack-of-hand
- · SlipFit® cuff

Sizes 6/XS through 12/3XL

ANSI/ISEA CUT GRAM SCORE **A6** 

3011

3X42F



HPPE Blend Liner



# 2020 Rig Lizard®

 Back-of-hand IR-X<sup>®</sup> Impact Exoskeleton™ provides ANSI/ISEA
 138 Level 1 protection on knuckles and fingers

- Additional IR-X® guard between thumb and index finger
- Durable TP-X® palm with reinforced stitching
- SlipFit® cuff with Velcro® closure, pull tab, and nametag

Sizes 6/XS through 12/3XL











# **2021** Rig Lizard®

 Back-of-hand IR-X® Impact Exoskeleton™ provides ANSI/ISEA 138 Level 1 protection on knuckles and fingers

 Additional IR-X® guard between thumb and index finger

 Durable TP-X® palm with reinforced stitching

SlipFit® cuff with pull tab and nametag

Sizes 6/XS through 12/3XL



LEVEL 2



Impact Protection





# **2023X** Rig Lizard Arctic®

- Back-of-hand IR-X® Impact Exoskeleton™ with highflex design provides ANSI/ ISEA 138 Level 1 protection on knuckles and fingers
- Additional IR-X® guard between thumb and index finger
- H2X® and C40 Thinsulate™ interior liners keep hands warm and dry
- Durable TP-X® palm with reinforced stitching
- SlipFit® cuff with Velcro® closure
   Sizes 7/S through 12/3XL



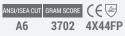




# 2025 Rig Lizard®

- SuperFabric® brand material palm provides industry-leading cut resistance (interior layer)
- Back-of-hand IR-X® Impact Exoskeleton™ provides ANSI/ ISEA 138 Level 1 protection on knuckles and fingers
- Additional IR-X® guard between thumb and index finger
- Durable TP-X+® palm with unique stitching pattern
- SlipFit® cuff with pull tab and nametag

Limited sizes available



EN407 Contact Heat LEVEL 2





Impact Protection





## 2030 Rig Lizard®

- SuperFabric® brand material palm provides industry-leading cut resistance (interior layer)
- · Back-of-hand IR-X® Impact Exoskeleton™ provides ANSI/ ISEA 138 Level 1 protection on knuckles and fingers
- · Additional IR-X® guard between thumb and index finger
- · SlipFit® cuff with Velcro® closure Sizes 7/S through 12/3XL







Protection

SuperFabric® Protection Zone



# **2035** Rig Lizard Arctic®

 Aramid palm liner provides industry-leading cut resistance (interior layer)

ANSI/ISEA CUT 2265 **A5** 

GRAM SCORE ( **4X42CP** 

· Back-of-hand IR-X® Impact Exoskeleton™ provides ANSI/ISEA 138 Level 1 protection on knuckles and fingers

- · Durable TP-X® reinforcements
- H2X® interior liner and C100 Thinsulate™ back-of-hand insulation keep hands warm and dry
- · Genuine goatskin leather palm with reinforced stitching

Sizes 7/S through 12/3XL











# 2036 Rig Lizard®

 Back-of-hand IR-X<sup>®</sup> Impact Exoskeleton<sup>™</sup> with Cellutek<sup>™</sup> impact technology provides
 ANSI/ISEA 138 Level

ANSI/ISEA 138 Level 3 protection on knuckles and Level 2 protection on fingers

- Additional IR-X® guard between thumb and index finger
- Durable TP-X® palm with reinforced stitching
- SlipFit® cuff with pull tab
   Sizes 6/XS through 12/3XL







# 2037 Rig Lizard®

 Back-of-hand IR-X<sup>®</sup> Impact Exoskeleton™ with Cellutek™ impact technology provides ANSI/ISEA 138 Level 3 protection on knuckles and fingers

- Additional IR-X® guard between thumb and index finger
- Durable TP-X® palm with reinforced stitching
- SlipFit® cuff with pull tab Sizes 6/XS through 12/3XL

A3 1074 4343CP

EN407 Contact Heat LEVEL 2



Protection
TP-X®



#### **2090X** Thin Lizzie™

- Back-of-hand IR-X® Impact Exoskeleton™ with high-flex design provides ANSI/ISA 138 Level 2 protection on knuckles and Level 1 protection on fingers
- 13-gauge HPPE and fiberglass blend shell for exceptional dexterity
- · Sandy nitrile palm coating
- Reinforced thumb crotch patch

Sizes 5/XXS through 12/3XL







# **2091** Thin Lizzie™ Thermal

 Back-of-hand IR-X® Impact Exoskeleton™ with high-flex design provides ANSI/ISEA 138 Level 2 protection on knuckles and Level 1 protection on fingers

- 13-gauge acrylic and fiberglass blend shell for exceptional dexterity
- · Interior fleece lining
- Sandy nitrile palm coating Sizes 6/XS through 11/XXL

ANSI/ISEA CUT GRAM SCORE C



Protected by U.S. Patent No. D703.389





#### 2092 Thin Lizzie™

· Back-of-hand IR-X® Impact Exoskeleton™ with high-flex design provides ANSI/ISEA 138 Level 2 protection on knuckles and Level 1 protection on fingers

GRAM SCORE ( = 2048 **4X44FP** Δ4

- · 13-gauge HPPE and fiberglass blend shell for exceptional dexterity
- Sandy nitrile palm coating
- Flastic cuff with Velcro® closure
- · Padded palm
- · Reinforced thumb crotch patch Sizes 5/XXS through 12/3XL



Protected by U.S. Patent No. D703.389



### **2095** Thin Lizzie™

- Back-of-hand IR-X® Impact Exoskeleton™ with high-flex design provides ANSI/ISEA 138 Level 2 protection on knuckles and Level 1 protection on fingers
- 13-gauge HPPE, steel, and fiberglass blend shell
- · Polyurethane palm coating
- · Touchscreen capabilities











### **2099** Thin Lizzie™ Thermal

 Back-of-hand IR-X® Impact Exoskeleton™ with high-flex design provides ANSI/ISEA 138 Level 2 protection on knuckles and Level 1 protection on fingers

**A6** 



3132 **4X43EP** 

- · 13-gauge acrylic and fiberglass blend shell
- · Sandy nitrile full coating
- · Full double-dipped coating offers liquid resistance
- · Interior fleece lining for warmth Sizes 6/XS through 11/XXL









# 7101 Rig Lizard® Fluid

Back-of-hand IR-X® Impact Exoskeleton™ with high-flex design provides ANSI/ISEA 138 Level 2 protection on knuckles and Level 1 protection on fingers

 Nylon blend shell provides exceptional dexterity and feel

- · Sandy nitrile full coating
- Full double-dipped coating offers liquid resistance









# 7102 Rig Lizard® Fluid

Back-of-hand IR-X<sup>®</sup> Impact Exoskeleton<sup>™</sup> with high-flex design provides ANSI/ISEA 138 Level 2 protection on knuckles and Level 1 protection on fingers

- 13-gauge HPPE and fiberglass blend shell
- · Sandy nitrile full coating
- Full double-dipped coating offers liquid resistance

Sizes 5/XXS through 12/3XL



ANSI/ISEA CUT GRAM SCORE

1274

**A3** 

HPPE Blen Shell

**4X42CP** 



# 4020X GGT5®

- IR-X<sup>®</sup> Impact Exoskeleton™
- Gator Grip Technology® prevents formation of oil film and displaces oil, allowing maximum contact with tools
- SlipFit® cuff with pull tab and nametag

Limited sizes available

ANSI/ISEA CUT

GRAM SCORE

(€ 4542

A7 4227

Impact Protection SuperFabric®

Protection Zone



### **4021X** GGT5®

Back-of-hand IR-X® Impact
Exoskeleton™ provides
ANSI/ISEA 138 Level 3
protection on knuckles
and Level 2 protection on fingers

- HexArmor Mud Grip® synthetic leather palm with PVC dots works well with light/medium oil-based muds
- · Durable TP-X® palm patches
- SlipFit® cuff with pull tab and nametag
   Sizes 8/M through 12/3XL



**| (∈** ⊕ 4544

Protection
SuperFabric®

Protection Zone



- · Back-of-hand IR-X® Impact Exoskeleton™ provides ANSI/ISEA 138 Level 3 protection on knuckles and Level 2 protection on fingers
- · Durable TP-X® palm with reinforced stitching
- · Neoprene cuff with pull tab and Velcro® closure

Sizes 7/S through 11/XXL







- Back-of-hand impact guards provide ANSI/ISEA
   138 Level 1 protection on knuckles and fingers
- Durable TP-X® palm with reinforced stitching
- Elastic cuff with pull tab and Velcro® closure

Sizes 6/XS through 11/XXL







- · Back-of-hand impact guards provide ANSI/ISEA 138 Level 1 protection on knuckles and fingers
- · Durable TP-X® palm with reinforced stitching and increased durability between fingers
- · SlipFit® and anti-debris cuff Sizes 7/S through 11/XXL







 H2X® liner meets ASTM F1670/ F1671 for bloodborne pathogen resistance and fluidhorne viral resistance

ANSI/ISEA CUT GRAM SCORE 5068 4X42FP **A8** 

· Back-of-hand impact guards provide ANSI/ISEA 138 Level 1 protection on knuckles and fingers

- · Durable TP-X® palm with reinforced stitching
- · Neoprene cuff with pull tab and Velcro® closure





### 8180 FireArmor® SR-X®

- H2X+<sup>™</sup> FR moisture barrier (interior layer) is certified to NFPA 1971:2018
- 100% Nomex® knit inner liner for 360° heat resistance TPP>60
- Water-resistant and flame-resistant cow suede with reinforced thumb saddle and palm patch
- · Extended gauntlet cuff
- Kevlar® liner on back-of-hand provides added cut resistance

Available in sizes XS/64N - 4XL/82XW





#### TPP>60

Thermal Protection
 Performance is greater than 6:



Nomex® and H2X+™FR liners
- 360° thermal protection
and full FR moisture barrier

Numeric Size:	6	7	8	9	10	11	12	13
Letter Size:	XS	S	M	L	XL	2XL	3XL	4XL
NFPA-1971 2018 Size:	64N	70N	70W	76N	76W	82N	82W	82XW



# 9009 9000 Series<sup>™</sup> Liner

- High-performance polyethylene and glass fiber blend shell provides exceptional dexterity and feel
- Recommended as an underglove solution

Sizes 7/S through 11/XXL







- High-performance polyethylene and glass fiber blend shell provides exceptional dexterity and feel
- Flat nitrile palm coating
   Sizes 6/XS through 11/XXL







- Cotton blend shell provides exceptional dexterity and feel
- Wrinkle rubber latex palm coating

Sizes 7/S through 11/XXL







- High-performance polyethylene and glass fiber blend shell provides exceptional dexterity and feel
- Sandy nitrile palm

Sizes 7/S through 11/XXL





- · High-performance polyethylene and glass fiber blend shell provides exceptional dexterity and feel
- · Wrinkle rubber latex palm

Sizes 7/S through 11/XXL







- High-performance polyethylene and glass fiber blend shell provides exceptional dexterity and feel
- Foam nitrile palm

Limited sizes available







 High-performance nylon/ Spandex blend shell

· Micro foam nitrile palm dip

- Seamless construction for enhanced comfort and breathability
- · Silicone-free

ANSI/ISEA CUT	GRAM SCORE	(€ 😉
Δ1	296	4131X



- HPPE and fiberglass blend shell
- · Micro foam nitrile palm dip
- Reinforced thumb crotch area
- Seamless construction for enhanced comfort and breathability
- · Silicone-free









- HPPE and fiberglass blend shell
- · Micro foam nitrile palm dip
- Reinforced thumb crotch area
- Seamless construction for enhanced comfort and breathability
- · Silicone-free







- High-performance 15-gauge nylon/ elastane blend shell
- Solvent-free foam nitrile palm coating
- German-engineered 3D ergo fit for ultimate dexterity and tactility
- Silicone-free
  Sizes 6/XS through

Sizes 6/XS through 12/3XL Sold in packs of 12







- High-performance 15-gauge nylon/ elastane blend shell
- Flexible foam nitrile palm coating
- · Silicone-free

Sizes 6/XS through 11/XXL



REACH COMPLIANT



High-performance
 15-gauge nylon blend shell

ANSI/ISEA CUT GRAM SCORE ( 4

 Flexible foam nitrile palm coating

 Safe Finger Release (SFR) Technology for use while operating hand held screwdriving tools that are powered pneumatically or electronically. Not suitable for use with drilling tools, milling machines, grinding machines, or lathes. See full disclaimer on hexarmor.com

Silicone-free
 Sizes 5/XXS through 12/3XL

REACH COMPLIANT



- High-performance
   15-gauge nylon blend shell
- Flexible sandy nitrile palm coating
- Back-of-hand IR-X® Impact Exoskeleton™ with high-flex design provides ANSI/ISEA 138 Level 1 protection on knuckles and fingers

Sizes 5/XXS through 12/3XL







- · Coretex™ (13G HPPE, steel, and fiberglass blend) shell for industry-leading 360° cut resistance
- · Flexible polyurethane palm coating
- · Touchscreen capabilities
- · Hi-vis color on back-of-hand

Sizes 5/XXS through 12/3XL



GRAM SCORE 6091







- Coretex<sup>™</sup> (13G HPPE, steel, and fiberglass blend) shell for industry-leading 360° cut resistance
- Flexible wrinkle rubber latex palm coating
- · Touchscreen capabilities
- Hi-vis color on back-of-hand

Sizes 5/XXS through 12/3XL







- Coretex™ (13G HPPE, steel, and fiberglass blend) shell for industry-leading 360° cut resistance
- Flexible sandy nitrile palm coating
- · Touchscreen capabilities
- Hi-vis color on back-of-hand

Sizes 5/XXS through 12/3XL







- 13-gauge HPPE and nylon shell
- Flexible sandy nitrile palm coating
- Full flat nitrile coating offers 360° water resistance

Sizes 5/XXS through 12/3XL







- 15-gauge Dyneema®
   Diamond shell provides
   lightweight, cool comfort
- Flexible foam nitrile palm coating
- · Silicone-free

Sizes 6/XS through 12/3XL Sold in packs of 12









- 13-gauge HPPE and fiberglass blend shell
- Flexible polyurethane palm coating
- · Silicone-free

Sizes 6/XS through 13/4XL





**REACH** COMPLIANT



- Innovative 13-gauge HPPE, fiberglass, and steel blend shell
- Flexible polyurethane palm coating
- Touchscreen capabilities
   Sizes 6/XS through 11/XXL







- Innovative 18-gauge HPPE, aramid, and steel blend shell
- Flexible suede nitrile palm coating
- Touchscreen capabilities
   Limited sizes available







# **2073** Helix® Cold Weather

- · 13-gauge acrylic and fiberglass blend shell
- · Flexible sandy nitrile full coating
- · Full double-dipped coating offers 360° cut protection and water resistance
- · Hi-vis color on wrist
- · Fleece lining for warmth

Sizes 6/XS through 11/XXL



4X43E





- 13-gauge HPPE, steel, and fiberglass blend shell
- Flexible polyurethane palm coating
- Touchscreen capabilities
   Sizes 4/3XS through 12/3XL

ANSI/ISEA CUT GRAM SCORE ( 4X44F





- · 13-gauge HPPE, steel, and fiberglass blend shell
- · Flexible polyurethane palm coating
- · Reinforced thumb crotch patch
- · Touchscreen capabilities

Sizes 4/3XS through 12/3XL

ANSI/ISEA CUT GRAM SCORE ( **A6** 3276 4X44F





#### **2077** Helix® Cold Weather

- · 13-gauge acrylic and fiberglass blend shell
- · Flexible sandy nitrile palm coating
- · Hi-vis color on back-of-hand
- · Fleece lining Sizes 6/XS through 12/3XL

ANSI/ISEA CUT GRAM SCORE **A6** 3132

4X43E





- 13-gauge aramid and steel blend shell
- Flexible foam nitrile palm coating
- Touchscreen capabilities
   Sizes 6/XS through 11/XXL







- 13-gauge aramid and steel blend shell
- Flexible wrinkle rubber latex three-quarter palm and finger coating
- Touchscreen capabilities
   Limited sizes available





#### **2082** Helix® Flame-Resistant

- 13-gauge flame-resistant aramid and wool blend shell
- Flexible FR-compliant neoprene/nitrile blend palm coating
- Hazard risk category HRC
   1 arc flash protection

Sizes 7/S through 11/XXL





- 13-gauge aramid and wool blend shell with flame-resistant properties
- Can be used as a glove or underglove with appropriate top-glove solution

Sizes 6/XS through 12/3XL

ANSI/ISEA CUT GRAM SCORE ( 4



REACH COMPLIANT



- 13-gauge HPPE and fiberglass blend shell
- Flexible polyurethane palm coating
- · Silicone-free

Sizes 5/XXS through 12/3XL





REACH COMPLIANT



- 13-gauge HPPE and fiberglass blend shell
- Flexible wrinkle rubber latex palm coating
- · Silicone-free

Sizes 5/XXS through 12/3XL







- 13-gauge HPPE and fiberglass blend shell
- Flexible foam nitrile palm coating
- · Silicone-free

Sizes 5/XXS through 12/3XL





REACH COMPLIANT



- 13-gauge HPPE and fiberglass blend shell
- Flexible foam nitrile three-quarter palm and finger coating
- · Silicone-free

Sizes 5/XXS through 12/3XL







- 10-gauge HPPE and steel blend shell
- Flexible foam nitrile palm coating
- Hi-vis color on backof-hand and palm
- Touchscreen capabilities
   Sizes 6/XS through 11/XXL







- 13-gauge HPPE and fiberglass blend shell
- Flexible sandy nitrile palm coating
- Back-of-hand IR-X® Impact Exoskeleton™ with high-flex design provides ANSI/ISEA 138 Level 1 protection on knuckles and fingers

Sizes 6/XS through 11/XXL







- · Back-of-thumb brow cloth
- · Reinforced index finger and thumb saddle
- · Synthetic leather palm with silicone print
- · Elastic cuff with pull tab and Velcro® closure
- · Available in dark color scheme for concealment in covert situations (2120-BLK)

Sizes 7/S through 11/XXL



3131





# 2120 Coyote Hex1® Series

 Reinforced index finger and thumb saddle

- Synthetic leather palm with silicone print
- Elastic cuff with pull tab and Velcro® closure
- Neutral color scheme for increased concealment in covert situations

Limited sizes available

**(**€ ⊕ 3131



# **2121** Hex1<sup>®</sup> Series

- · Back-of-thumb brow cloth
- Reinforced index finger and thumb saddle
- Synthetic leather palm with silicone print
- · SlipFit® cuff with pull tab
- Nametag on palm side of cuff

Sizes 7/S through 11/XXL





- · Back-of-thumb brow cloth
- Reinforced index finger and thumb saddle
- Full silicone printed palm over synthetic leather for superior grip
- Elastic cuff with pull tab and Velcro® closure
- Nametag on palm side of cuff Sizes 7/S through 11/XXL





- Light back-of-hand impact guards
- · Back-of-thumb brow cloth
- · Reinforced index and thumb saddle
- · Padded goatskin leather palm with reinforced stitching
- Available in black for concealment in covert situations (2125-BLK)

Sizes 7/S through 12/3XL









- · Full hack-of-hand impact guards
- · Reinforced index finger and thumb saddle
- · Durable TP-X® palm with reinforced stitching
- · Neoprene cuff with Velcro® closure
- · Nametag on Velcro® closure Sizes 6/XS through 12/3XL







- Light back-of-hand bump protection
- Aramid blend liner for 360° cut protection (interior layer)
- Goatskin leather provides traditional style of comfort
- SlipFit® cuff

Sizes 6/XS through 12/3XL











#### 2141 Hex1® Arctic

- Light back-of-hand bump protection
- Aramid blend liner for 360° cut protection (interior layer)
- Goatskin leather provides traditional style of comfort
- C100 Thinsulate<sup>™</sup> interior liner keeps hands warm
- Elastic cuff with Velcro® closure
   Sizes 6/XS through 12/3XL

ANSI/ISEA CUT GRAM SCORE CE









- · Light back-of-hand bump protection
- Aramid blend liner for 360° cut protection (interior layer)
- · Goatskin leather provides traditional style of comfort
- · Extended safety cuff for increased protection

Sizes 6/XS through 12/3XL

ANSI/ISEA CUT GRAM SCORE ( **A3** 1161 PENDING





#### 10-302 NXT®

- · Cool and comfortable Coretek® shell
- · 3-finger coverage
- · Meets European food migration testing (EN 1186:2002 SI 1998 No 1376)
- · Sanitizeable
- · Ambidextrous. sold in eaches

Sizes 5/XXS through 12/3XL

NSI/ISEA CUT	GRAM SCORE	(€⊕
A7	4196	4X42A

SuperFabric®

SuperFabric® **A1** 405 Coretek® Coretek®



Performance Fiber

SuperFabric® Protection Zone



#### 3092 ThornArmor™

 Three layers of SuperFabric® in the palm and partial index finger wrap (interior layer)

- Breathable HexVent® panel on the back-of-hand
- Synthetic outer palm material
- Neoprene cuff with Velcro<sup>®</sup> closure
- Reinforced fingertips

Sizes 5/XXS through 11/XXL



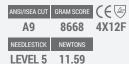


3 Layers SuperFabric® Protection



# 3041 Hercules® NSR

- Full coverage design and pre-curved shape for maximum comfort and protection
- Silicone dot palm grip
   Sizes 7/S through 11/XXL







- Back-of-hand knuckle padding for incidental bumps/impact
- Silicone palm pattern for enhanced grip
- Neoprene cuff with Velcro® closure

Sizes 6/XS through 11/XXL

ANSI/ISEA CUT	GRAM SCORE	(€@
A9	6679	4X42I
NEEDLESTICK	NEWTONS	

LEVEL 5 11.546





# 4043 PointGuard® Ultra ANSI/ISEA CUT GRAM SCORE ( ©

- Back-of-hand knuckle padding for incidental bumps/impact
- Synthetic leather palm with silicone pattern grip
- Neoprene cuff with Velcro® closure

Sizes 6/XS through 11/XXL

6679	4X42F
NEWTONS	
11.546 3 Layers SuperFabric®	
6.9 2 Layers SuperFabric®	
MA =	3 Layers SuperFabric® Protection
	2 Layers SuperFabric® Protection SuperFabric®
	NEWTONS  11.546 3 Layers SuperFabric® 6.9 2 Layers



- Back-of-hand knuckle padding for incidental bumps/impact
- Silicone palm pattern for enhanced grip
- Neoprene cuff with Velcro® closure

Sizes 6/XS through 12/3XL

NSI/ISEA CUT	GRAM SCORE	(€⊕
A7	4321	4X22F
NEEDI ESTICK	NEWTONS	

LEVEL 2
SuperFabric® SuperFabric® SuperFabric®

EVEL 3
2 Layers
perFabric® SuperFabric®





- · Aramid liner for backof-hand protection
- · Premium goatskin leather
- · SlipFit® cuff

Sizes 6/XS through 11/XXL



SuperFabric® Protection Zone

**A7** 

ANSI/ISEA CUT GRAM SCORE

4064 4X12F SuperFabric®

804 Aramid

NEEDLESTICK

LEVEL 2 5.8 SuperFabric® SuperFabric®

LEVEL 4 8.42

2 Layers SuperFabric® SuperFabric®



- Recommended as an underglove solution with appropriate top-glove
- Lightweight spandex shell with elastic wrist

Sizes 5/XXS through 11/XXL

ANSI/ISEA CUT	GRAM SCORE	( <del>(</del> =
A9	6408	4X33F

LEVEL 4 8.6





# 7082 SharpsMaster HV®

- Single-glove needle solution with incredible dexterity and comfort
- Flat nitrile three-quarter knuckle coating

Sizes 7/S through 10/XL

ANSI/ISEA CUT	GRAM SCORE	(€ 🕾
A9	7345	4X33F
NEEDI ESTICK	NEWTONS	



3 Layers SuperFabric® Protection



# 9014 SharpsMaster II®

- Cotton blend shell provides exceptional dexterity and feel
- Wrinkle rubber latex palm coating

Sizes 6/XS through 10/XL

ANSI/ISEA CUT GRAM SCORE C 
A9 7167 4X44F

NEEDLESTICK NEWTONS

10.279

LEVEL 5



SuperFabric® Protection



- Single-glove needle solution with incredible dexterity and comfort
- Sandy nitrile threequarter knuckle coating

Sizes 7/S through 10/XL

ANSI/ISEA CUT GRAM SCORE CE AN THE AN THE ANSI/ISEA CUT GRAM SCORE CE AN THE AN THE ANSI/ISEA CUT GRAM SCORE CE AN THE AN THE ANSI/ISEA CUT GRAM SCORE CE AN THE AN THE ANSI/ISEA CUT GRAM SCORE CE AN THE AN THE AN THE AN THE AN THE AN THE ANTI-ISEA CUT GRAM SCORE CE AN THE ANTI-ISEA CUT GRAM SCORE CE AN THE AND THE ANTI-ISEA CUT GRAM SCORE CE AN THE ANTI-ISEA CUT GRAM SCORE CE ANTI-ISEA CUT GRAM SCORE CE AN THE ANTI-ISEA CUT GRAM SCORE CE AN THE ANTI-ISEA CUT GRAM SCORE CE ANTI-ISEA CUT GRAM SCORE CUT G

11.143

LEVEL 5



3 Layers SuperFabric® Protection



#### **AG8TW** 8" Arm Guard

- · Won't fall down like knit sleeves
- · Spandex wrist insert with thumb hole and snap fasteners

Sizes 7/S through 12/3XL

ANSI/ISEA CUT	GRAM SCORE	(€⊕
A8	5254	4X12F
NEEDLESTICK	NEWTONS	

LEVEL 2 5.5125





#### **400R6E** Hercules®

- Industrial puncture protection on enhanced areas
- Gauntlet design and pre-curved shape for maximum comfort and ultimate protection
- · Silicone palm grip
- Extended gauntlet style cuff
   Sizes 8/M through 11/XXL







#### 5033 SteelLeather®

- Industrial puncture protection on enhanced areas
- Cut and abrasionresistant knuckle patch
- Premium goatskin leather
- SlipFit® cuff

Sizes 6/XS through 12/3XL





# 5035 SteelLeather®

- Industrial puncture protection on enhanced areas
- EVA padding across the knuckles
- · Premium goatskin leather
- SlipFit® cuff

Limited sizes available







# 5039 SteelLeather®

- Industrial puncture protection on enhanced areas
- · 360° cut resistance
- · Premium split cow leather
- · Safety cuff

Sizes 7/S through 11/XXL



EN407 Contact Heat LEVEL 2





#### **5042** Bandit®

 Industrial puncture protection on enhanced areas

- · Premium cowhide leather
- Critical seams reinforced along thumb and bottom edge for extra protection
- Canvas safety cuff
   Sizes 7/S through 11/XXL

ANSI/ISEA CUT GRAM SCORE ( AS 2348 4X44D





#### 5043 Bandit®

 Industrial puncture protection on enhanced areas ANSI/ISEA CUT GRAM SCORE CE STANDING

A5 2348 PENDING

- Surface-treated premium cowhide leather
- Critical seams reinforced along thumb and bottom edge for extra protection
- Extended canvas safety cuff with adjustable Velcro<sup>®</sup> closure on the palm side

Sizes 6/XS through 11/XXL



Corecept® Technology



#### **8100** HeatArmor®

- Rates CE Level 2 for contact heat, up to 250°C
- Extended canvas safety cuff

Sizes 8/M through 10/XL









- · High-performance interior layer provides 360° cut resistance
- · PVC-Nitrile coating
- · Full back-of-hand encapsulated impact quards
- · Textured palm
- · 13" safety cuff

Sizes 8/M through 11/XXL







- High-performance interior layer provides 360° cut resistance
- · PVC-Nitrile coating
- Full back-of-hand encapsulated impact guards
- Textured palm
- · 16" safety cuff

Sizes 8/M through 11/XXL







- · PVC-Nitrile coating
- Full back-of-hand encapsulated impact guards
- · Textured palm
- Safety cuff for easy on and off

Sizes 8/M through 11/XXL





Protection



- · PVC-Nitrile coating
- Full back-of-hand encapsulated impact guards
- Safety cuff for easy on and off

Sizes 8/M through 11/XXL

ANSI/ISEA CUT GRAM SCORE
A1 385



Impact Protection



# **7200** Liquid Resistant

- Full-coverage design provides 360° cut resistance
- · Textured PVC coating
- Extended gauntlet-style cuff
   Sizes 7/S through 11/XXL





High-Performance Protective Material



### **AG100095** 9" Arm Guard

- Industrial puncture protection on enhanced areas protects against wires, metal, wood, and glass
- Spandex wrist insert with thumb hole

Sizes 6/XS through 12/3XL







# AG10009V 9" Arm Guard

- Industrial puncture protection on enhanced areas protects against wires, metal, wood, and glass
- Spandex wrist insert with thumb hole
- Adjustable Velcro® closure design

Sizes 7/S through 12/3XL





SuperFabric® Protection Zone



### AG9X 9" Arm Guard

- Industrial puncture protection on enhanced areas protects against wires, metal, wood, and glass
- Extended cuff with Neoprene thumb loop and Velcro® closure

Sizes 7/S through 12/3XL



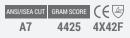




#### **AS0195** 19" Arm Sleeve

- Industrial puncture protection on enhanced areas protects against wires, metal, wood, and glass
- Neoprene thumb loop and sleeve clip keeps sleeve from falling

Sizes 6/XS through 12/3XL







#### 1010 PentaArmor®

- Elastic thumb loop and sleeve clip keeps sleeve from falling
- Hi-vis color scheme for visibility

Sizes 7/S through 11/XXL







# **2041** Helix® Series Arm Guard

- 18" long
- Lightweight 13g HPPE, nylon, steel, fiberglass blend knit with industryleading cut resistance
- Plated knit feels soft and cool on the interior
- Knit upper arm cuff and thumb loop prevents dirt and debris from entering

Sizes S through XL







# **2042** Helix® Series Arm Guard

- 18" long
- Lightweight 13g HPPE, nylon, steel, fiberglass blend knit with industryleading cut resistance
- Plated knit feels soft and cool on the interior
- Knit cuffs prevents dirt and debris from entering

Sizes S through XL







# HAJ01/HAJ02 HexJacket

- Industrial puncture protection on enhanced areas protects against wires, metal, wood, and glass
- Heavy duty double layer (HAJ02)
- Also available in hi-vis Sizes 7/S through 12/3XL Visit hexarmor.com for sizing instructions

HAJ01

ANSI/ISEA CU A7 GRAM SCORE

HAJ02

OLUÇEA CUT CDA

GRAM SCORE

A8 5711





#### **Gaiters** 9921

- Industrial puncture protection on enhanced areas protects against wires, metal, wood, and glass
- Front-to-back leg coverage
- Reflective strip for visibility
- Additional layer options available upon request

Sizes 6/XS through 12/3XL

ANSI/ISEA CUT GRAM SCORE

A7 4425





### **Chaps** 9911/9915/9919

· Industrial puncture protection on enhanced areas protects against wires, metal, wood, and glass

- · Front-to-back leg coverage
- · Three layers of protection on knee (front only, 9911), double layer (9919)
- · Reflective strip for visibility Sizes 7/S through 12/3XL

911/9915		
ANSI/ISEA CUT	GRAM SCORE	
A7	4425	

**(€** 🗐 4X42F

9919

Α9

GRAM SCORE

(€ 🕾 **4**X**4**4F

7377





# **HexMat** 9905/9907

- Ideal solution for working with rough surfaces and shattered/broken hazards
- Pliable material fits anywhere you need protection

Sizes: 20"x 45" (9905), 50"x 30" (9907)

ANSI/ISEA CUT	GRAM SCORE
Α7	4425



# AP229 20" x 30" Apron

- · Industrial puncture protection on enhanced areas protects against wires, metal, wood, and glass
- · Medium weight (single layer)

One size fits most



ANSI/ISEA CUT GRAM SCORE 4425 4X42F





# AP102229 20" x 30" Apron

- · Industrial puncture protection on enhanced areas protects against wires, metal, wood, and glass
- · Heavy duty (double layer)

One size fits most









# **AP321/322** 24" x 30" Apron

- Industrial puncture protection on enhanced areas protects against wires, metal, wood, and glass
- Medium weight (single layer, AP321)
- Heavy weight (double layer, AP322)

One size fits most





# **AP102222** 20" x 22" Apron

- Industrial puncture protection on enhanced areas protects against wires, metal, wood, and glass
- Heavy duty (double layer)

One size fits most

ANSI/ISEA CUT GRAM SCORE

A9 7377





# **AP361** 36" Apron

- Industrial puncture protection on enhanced areas protects against wires, metal, wood, and glass
- · Double layer belly patch
- Split leg design

One size fits most







# **AP382** 24" x 38" Apron

- · Industrial puncture protection on enhanced areas protects against wires, metal, wood, and glass
- · Heavy duty (double layer)

One size fits most







Blue 6001

# Du Rag coldRush®

 Fast-drying microfibers and natural minerals in highperformance fabric technology accelerate the cooling process



- Extended flap lays on neck, a prime cooling point
- Bact-Out® antimicrobial technology
- · One size fits most



#### Safety Helmet Insert coldRush®

Blue 6003

 Fast-drying microfibers and natural minerals in highperformance fabric technology accelerate the cooling process



- Bact-Out® antimicrobial technology
- Flat seams for comfortable feel against your skin
- · Velcro® straps attach to hard hat
- One size fits most



# Cooling Towel ColdRush®

- · Size: 9" x 33"
- Fast-drying microfibers and natural minerals in high-performance fabric technology accelerate the cooling process
- Bact-Out® antimicrobial technology





Blue 30100

### Du Rag ColdRush®

- Extended eVapora<sup>™</sup> flap lays on neck, a prime cooling point
- eVapora<sup>™</sup> cooling technology wicks away sweat
- · High performance shell
- · Mesh panels for breathability (not available on Nomex®)
- Available in Nomex® shell\*
- One size fits most

Limited availability











\*While this garment is not designed to provide protection against heat and flame, the outer F1959. WARNING: When the PVA is dry, any possible fire-resistance performance is negated



Blue 30200

# Bandana ColdRush®

- eVapora<sup>™</sup> cooling technology wicks away sweat
- · Cotton shell
- · One size fits most

Limited availability





Cooling Zone











# Nomex® Du Rag coldRush®

Nomex® 30145

 Extended eVapora<sup>™</sup> neck flap designed to lay on neck, which is a prime cooling point



- Nomex® shell for jobsite compliance\*
- Flat seams for comfortable feel against your skin
- · One size fits most

"While this garment is not designed to provide protection against heat and flame, the outer material of the garment has the following FR Properties: NFFA 2112, ASTM F1930, and ASTM F1959. WARNING: When the PVA is dry, any possible fire-resistance performance is negated.



Blue 30300

# Neck Band ColdRush®

- · Size: 1.75" x 31"
- eVapora<sup>™</sup> cooling technology wicks away sweat
- Heavy duty snaps
- · Lightweight
- One size fits most Limited availability





# YULEYS<sup>®</sup> Clean Step System

- · Hands-free on-and-off
- · Heel-lock system
- · Flexible design
- Anti-slip tread
- Specifically designed for steeltoed boots
- · Industrial-grade SEBS rubber
- Available in blue, gray, and red

Visit yuleys.com for sizing

Patent Pending





#### **Cut Levels Explained**

#### Understanding the Changes to the ANSI/ISEA 105 American National Standard for Hand Protection

To apply consistent meaning to ANSI/ISEA 105 cut ratings for the end user, a single test method is now used for establishing cut levels (ASTM F2992-15). In addition, the number of classification levels was recently expanded both to address the gaps of protection between cut levels and to model the classification approach used in similar international standards. The standard now employs a 9-level scale (expressed as A1-A9) that spans 0 grams to 6,000 grams of cut resistance.



#### ANSI/ISEA 105 Cut Resistance Testing

In addition to a more accurate cut resistance classification scale, the ANSI/ISEA 105-16 now only references the Tomodynamometer Test Method (TDM) based on the ASTM F2992-15, discarding the Cut Protection Performance Tester (CPPT) methods formerly recognized as the alternative test(s). The TDM determines the amount of weight, measured in grams, necessary for a blade to achieve cut-through of PPE material at the reference distance of 20 MM of blade travel.

#### Understanding the Changes to the EN 388 European Standard for Cut Resistance

As of April 2016, a number of important changes were finalized to the EU cut resistance standard, EN 388. Most notably, the changes address inconsistencies with the Coup Test and provide additional cut levels for highly cut-resistant materials.

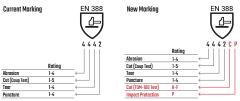
#### EN 388 Cut Resistance Testing + New Glove Markings

The EN 388 standard now requires the Coup Test and the TDM-100 Test (ISO 13977) in certain situations. The TDM-100 test is required only if a highly cut-resistant material has not been cut through after 60 rotations

with the Coup Test. However, the TDM-100 test can be used on its own without using the Coup Test first.

With the Coup Test, a circular blade moves back and forth across a material sample under a fixed load of 500 grams (a very low force, amounting to less than one pound). The number of blade revolutions needed to cut through the material is then compared to a control sample. The ratio of the sample to the control is converted to an index that is applied to a five-point rating scale—1 (low) to 5 (high). With the updated standard, this test is limited to a maximum of 60 rotations, whether the blade has cut through the material or not. If the test reaches 60 rotations and the material has not been cut through, the TDM-100 test must then be implemented.

The TDM testing machine measures cut resistance using a straight blade and variable weight (like the ANSI/ISEA 105 cut test). The ISO 13997 reports results in Newtons and yields scores expressed by Letters A (low) to Level F (high). If the TDM Test is implemented, it is expressed as the fifth placement on the CE Marking, as seen on the "New Marking" portion of the graph below.



#### The Employer Is Ultimately Responsible for Providing PPE That Meets Employees' Needs

Per OSHA regulations, the burden of responsibility concerning cut resistance falls on the employer. Though testing regulations and certifications are a viable starting point for the purchase decision process, they are never to be taken as isolated validation of the protection offered to an employee.

More information on each of these tests listed can be found on these websites: • www.astm.org • www.iso.org • www.cen.eu



#### **Be Smart About Testing**

When people hear the words "cut and puncture-resistant," most will have a tendency to want to do their own informal testing. Often they will put the glove on a hard flat surface and run a sharp instrument over the surface of the glove to test for cut resistance. We do not encourage customers to test in this manner. Although testing with a knife or other sharp object on a hard surface like a table may seem like a good testing method, in reality it is not and has little resemblance to real-world applications.

Each HexArmor® product is unique, with unique cut, puncture, tear, and abrasion properties. We encourage testing using actual hazards in a manner that best represents real-world situations, WITHOUT anyone's hand in the glove. If you have any questions or would like to talk to us about testing, please contact us.

Abrasion Resistance is also a critical factor in preventing hand injuries. In fact, if a glove fails too early due to wearing through from an abrasive hazard, the skin is quickly exposed to cut hazards. So the higher the abrasion level, the higher the level of protection from not just abrasion, but from cuts and punctures.

Stability. Evaluate performance of a new glove versus a glove that has been worn for a day. Look for products that don't degrade when exposed or used. Some products are affected when subject to abrasion, washed, or exposed to UV light. Many products on the market lack the ability to provide consistent performance.

Windup, All Occurrences. Some materials can be caught in machine parts such as rotating grinding wheels or drills and sanding materials. This can pull the hand or finger into the equipment and cause severe injury to tendons, muscles, and ligaments. Protective gloves that prevent or reduce windup risks are available and can be used where risks are present.

Fit plays a part in the level of protection. Fibers used for cut resistance use a rolling action to increase cut protection. When these fibers cannot roll, such as when they are stretched from an ill-fitting or wrong-sized glove, they can "lose" some of their cut resistance. Loose-fitting gloves can also be a hazard for catching or snagging on tools and equipment. Make sure your glove program accounts for proper sizing and employees know what to look for when picking gloves.

Coating impacts cut-resistant fibers. Once the coating is applied, the rolling and twisting that helps the fiber achieve its cut resistance can be reduced. Most coated gloves have higher cut resistance on the back-of-hand than on the palm because the fibers are not coated. Keep this in mind as you select your hand protection.

**Grip** is also important. Using grip that isn't appropriate for the job can lead to higher injury rates as objects with sharp edges slip, causing injury.

#### **Glove Care**

Improper glove care can shorten the life of your PPE. It can also lead to dermatitis, decreased dexterity, loss of protective abilities, and odor. Glove care refers not only to laundering but also proper storage, routine glove checks, and knowledge of materials and their particular strengths and weaknesses.

Because there are so many different work gloves on the market, experienced safety managers should be aware of what workers' gloves are made of and how they will stand up to the applications they're being used for. Common glove materials include nylon, spandex, leather, cotton, SuperFabric®\*, Kevlar®, and knit fibers. Each of these materials has a certain way it needs to be cared for. Often there is a blending of the materials, making proper care even more crucial.

#### **Proper Storage**

Gloves should be stored in clean, dry conditions, away from direct sunlight and extreme temperatures.

#### **Routine Glove Checks**

Glove life varies depending on the application, environment, and amount of use. It is vital that you perform routine glove checks before beginning work every day. Take note of areas that have begun to wear down, such as loose Velcro® or a worndown name tag. If you see holes in the synthetic leather or TP-X® material on the palm of your glove, this is an indication that its protective qualities may be compromised, putting you at risk of injury. Lingering moisture or a strong odor are also signs that your gloves may need to be replaced.

<sup>\*</sup>SuperFabric® is a registered trademark of HDM, Inc.

Keeping an eye out for these issues (and others) takes you one step further from a worksite hand injury, which is the ultimate goal of hand protection.

#### Cleaning + Care

Most gloves and arm and body PPE are machine washable. Please see hexarmor.com for product specific washing instructions.

#### Increase Your Glove Lifespan by Up To 300%

Laundering removes harmful chemicals, perspiration, and everyday grit and grime that can weaken protective fibers and seams. Our team of HexArmor® solutions specialists are here to help you with this process, and they are more than happy to provide you with all the information you need.

#### The Importance of a Glove Trial

A glove trial is the process of field-testing different models of safety gloves, either from a single source or several manufacturers, in order to identify the best glove for a particular job. When done correctly, the benefits of a glove trial include:

- Improved hand safety program and equipment and reduced rate of hand injuries
- · Increased awareness of hand safety issues among workers
- Higher rates of compliance with hand safety PPE requirements
- Reduction in costs related to hand protection, through increased efficiency and durability of work gloves, or reduced insurance rates, medical costs, and workers' comp claims

Work conditions vary from one job to another. There is no way to tell how effective a particular safety glove will be without testing it in the field to see how it holds up and protects against the actual hazards encountered in the workplace. Although a glove may have tested well in laboratory settings and been granted a high cut rating, it may lack abrasion resistance and break down quickly in the field. If a glove doesn't offer the same level of protection at the end of the work day as it does at the beginning, then you need to consider another option.

To ensure you avoid wasting time and energy on a poorly-run glove trial, we have outlined a set of proven steps you can take in the glove trial process. These tips and recommendations come from over a decade of experience working with large industrial companies.

For the full white paper, please contact your HexArmor® rep, or visit https://www.hexarmor.com/trial-request

#### **Eyewear Care**

The number one cause for scratched or underperforming safety eyewear lenses is improper cleaning. Incorrect handling and storage can also cause unnecessary damage to lenses.

Follow these simple care and cleaning steps to increase the life of HexArmor® safety eyewear:

- Lightly blow off any loose dirt or debris from your lenses.
- 2 Rinse your lenses with cool water. HexArmor® eyewear is engineered to have excess dirt cleanly wash off the lens without sticking.
- At your HexArmor® cleaning station, spray the cleaning solution directly onto the lenses.
- 4 Use a lens-safe tissue (provided at the HexArmor® cleaning station) to dry and wipe clean.
- If you're not immediately putting the safety eyewear on, store it in a safe spot or in a pouch or case. Never put unprotected safety eyewear in your pocket.

If a cleaning station is not available, use a soft, dry microfiber cloth to gently wipe your lenses.\*

In addition to properly cleaning, check your safety eyeglasses before you put them on to ensure that the lenses and frames are intact. If anything is defective, replace immediately. Inspection is the first line of protection.

<sup>\*</sup> Using any anti-fog wipes, alcohol-based cleaners or any other non HexArmor® product on TruShield® lenses can cause damage.



### SAFETY \* REDEFINED.

# Hex/Armor

#### Call 1-877-MY ARMOR or visit hexarmor.com

HexAmor<sup>®</sup> products are cut and puncture resistant NOT CUT AND PUNCTURE PROOF. Do not use with moving or so trade blades or tools. User shall be exclusively responsible to assees the suitability of the product as specified for any individual application bruse. Protection zones are to be used as a general guide. Actual product protection zones may differ.

Protected by patents and patents pending.

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