
HexArmor® + uvex
protecting people
2021

We started a journey almost two decades 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.

HexArmor® + uvex

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.

Now, we're bringing you another essential piece of PPE using the same German engineering and expertise - thoughtful, reimagined head protection. A premium, versatile safety helmet line that offers more comfort, more stability, more convenience and more safety than your traditional hard hat.

As we continue to grow and expand, we look forward to continuously protecting people, developing groundbreaking head-to-toe PPE solutions that give workers the protection they deserve. Protection that gets them home safe, every day.

Because in the end, we aren't just PPE. We're the confidence, safety, and livelihood of those we protect.

Two brands with one global mission:

# protecting people

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# Hand & Body Protection


At HexArmor,® we're continuously striving to find ways to redefine the standards of safety. Our breakthroughs in materials, design, and functionality are due to workers, like you, who've helped us develop, test and refine our products directly in the field. These innovative developments have changed the way people view hand, arm and body PPE.

Our award-winning gloves and body protection feature top-level cut, puncture, and abrasion resistance –all purpose-built for a wide variety of hazards and applications. No matter the job (or the weather) we have the applicable grips, fabrics, and materials that exceed the required standards and help keep you safe. These patented innovations are what make us today's trusted advisor in the safety industry – a job we take seriously.

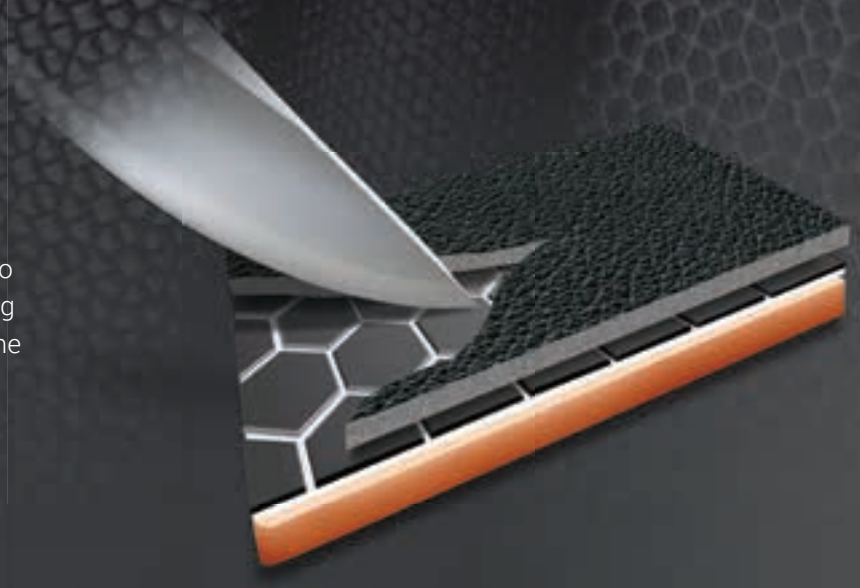
High quality products that workers feel good wearing means increased compliance, which in turn means less injuries and reduced costs. Companies all over the world are saving thousands of dollars on injury costs and missed work days by switching to HexArmor® products. We're excited and honored to help you do the same.


HexArmor

SuperFabric®

# 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**


**HexArmor with SuperFabric® Synthetic Leather Gloves**


## Puncture Resistance

A glove with excellent cut protection often lacks adequate puncture protection, which is the number one cause of cuts. In fact, almost all lacerations begin with a puncture. 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.

Common cut resistant materials such as Dyneema® or Kevlar® provide some protection from straight-edged hazards, but they can be easily pierced because of the knit properties of the material. HexArmor® puncture-resistant technology relies on patented SuperFabric® guard plates to stop hazards and prevent injuries. All puncture-resistant HexArmor® gloves are put to the test in the lab and in the field.

*SuperFabric is a registered trademark of HDM, Inc.

# Technology

## Abrasion Resistance

HexArmor® builds superior abrasion resistance into our products. Our exclusively-licensed SuperFabric® brand material 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

Needles are sharp, beveled cutting instruments designed to pierce the skin. 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.

HexArmor® products are tested in real world applications and are proven to reduce needlestick injuries. Using the correct test will ensure you have the right glove to protect your employees. As always, we recommend proper field testing to validate the appropriate level of protection necessary for your application.


# Technology

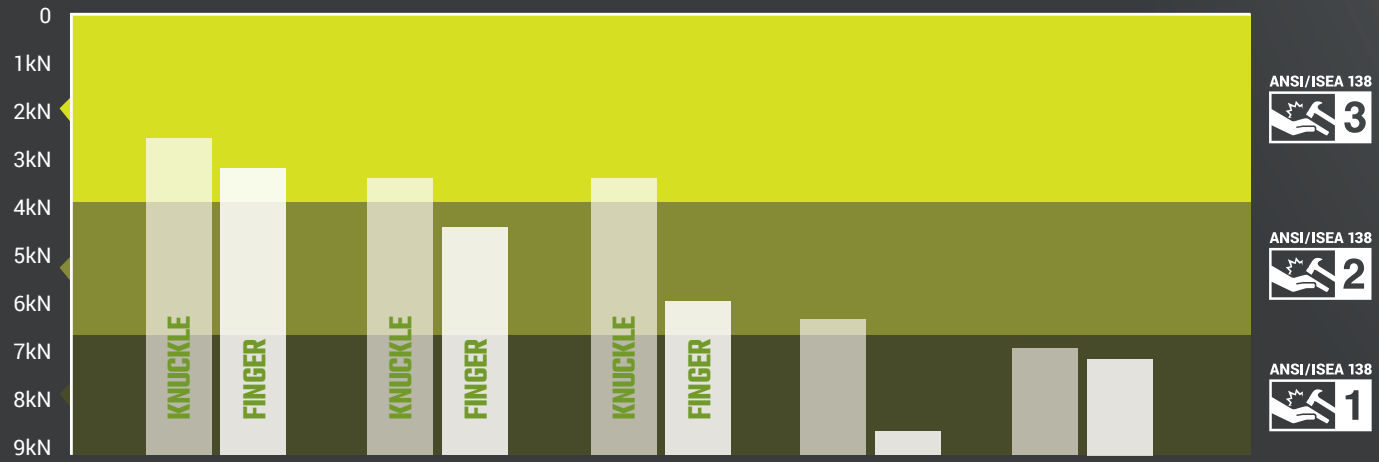
## Impact Resistance

Impacts come in all forms, shapes, and magnitudes for workers. Whether caused by falling tools, equipment or pinches, impact injuries have one thing in common: unpredictability. Individuals must always be prepared and protected from impact and pinch points, and the patented IR-X® Impact Exoskeleton™ from HexArmor® has proven to reduce the number and effects of injuries.

Tested and updated under the ISEA 138 impact protection guidelines, our impact-resistant technology is designed to absorb and redistribute the energy away from the hand and finger bones during an impact. HexArmor® constantly evaluates our impact protection for effectiveness to ensure the optimal durometer and height for impact dissipation.

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.





## Cold Weather

HexArmor® believes that safety should never be sacrificed during cold working conditions. That's why most HexArmor® cold weather gloves combine our H2X® waterproof liner with a Thinsulate™ liner, creating a two-layer barrier from wind, water, and chill. Plus, our unique lineup of cold weather gloves provide options for excellent impact protection as well as various levels of cut, puncture, and abrasion resistance.

## Grip Options

When you're on the job site, you often encounter a variety of liquids, oils, muds, and other unidentified substances. Our products offer a wide variety of grip options to provide users with the appropriate grip for the task at hand. 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.

# A Grip for Every Job

HexArmor® never stops innovating for worker safety. This includes the many conditions and materials that workers are required to handle on a daily basis. To this end, HexArmor® offers a wide variety of grips to optimize your PPE in any situation.

## TP-X®

TP-X® palm material excels in oils and fluids because it does not absorb liquids. This makes it ideal for maintaining grip in oily or wet conditions, when lesser gloves would fail.

## TP-X+®

This advanced material features grooves in the surface that enhance grip over time. A more robust, heavy-duty alternative to TP-X®, the TP-X+® palm provides increased cut, puncture, and abrasion resistance, and may provide heat resistance as well.

## HexArmor Mud Grip®

Synthetic leather palm with PVC dots provides a solid overall grip, especially in wet conditions. The PVC dots channel away lubricants, create friction, and improve grip on saturated tools.

## Leather Grip

Leather palm provides an excellent all-around grip in a variety of conditions. In addition to providing an outstanding grip, leather also naturally provides resistance to abrasions, punctures, and contact heat.

## Synthetic Leather with PVC Pattern

Synthetic leather palm with larger PVC pattern creates friction and improves grip on metal tools. Good all-around grip for general tasks.

## Silicone Grip

Durable synthetic leather palm with heat-resistant hi-vis silicone pattern delivers maximum grip and dexterity.

# Palm Coating Dips

Beyond the materials that make up our palm grips, HexArmor® also provides further grip options using a variety of dip formulas. 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.

## Wrinkle Rubber Latex

Wrinkle rubber latex is a flexible, non-porous palm coating that provides excellent dry grip. It also offers good wet grip but is not recommended for use with hydrocarbon and organic solvent (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.

## 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 arc flash protection: ATPV 7.7 cal/cm2, as per ASTM F2675/F2675M-13, determining arc flash rating of hand protection devices, and contact heat protection up to 100°C (212°F).

"Great gloves! They offer great dexterity and protection, allowing for the user to focus on the task at hand, having confidence the gloves are doing what they are supposed to do."

Ron G., Captain


# The Safest Mechanic's Style Glove on the Market

HexArmor® Chrome Series® gloves are built for a wide array of applications. Each product in the series was crafted to fit a hand with a specific purpose. With over 14 styles and various features such as impact protection, an abrasion-resistant knuckle patch, or a PVC printed palm, you can be certain that the Chrome Series® will keep your hands protected in any hazardous condition.

**hexarmor.eu**

EN388: 2016

| ANSI/ISEA CUT | GRAM SCORE | CE |
|---|---|---|
| A6 | 3941 | 4X22F |

| ANSI/ISEA PUNCTURE |
|---|
| 3 |


## 4018

Article No. 60979

### Mechanic's+

- SuperFabric® brand material 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
- Touchscreen-compatible conducive filaments in thumb and index fingertip

Available in sizes 5/XXS through 12/3XL

EN388: 2016

| ANSI/ISEA CUT | GRAM SCORE | CE |
|---|---|---|
| A8 | 5170 | 4X22F |

| ANSI/ISEA PUNCTURE |
|---|
| 3 |


## 4022

Article No. 60008

### Chrome Series®

- SuperFabric® brand material palm provides industry-leading cut resistance (interior layer)
- Cut and abrasion-resistant SuperFabric® knuckle patch
- Synthetic leather palm with PVC print
- Touchscreen-compatible conducive filaments in thumb and index fingertip
- Elastic cuff with Velcro® closure

Available in sizes 7/S through 11/XXL

EN388: 2016

| ANSI/ISEA CUT | GRAM SCORE | CE |
|---|---|---|
| A8 | 5374 | 4X21F |

| ANSI/ISEA PUNCTURE |
|---|
| 2 |


## 4023

Article No. 60988

### Chrome Series® 360˚

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

Available in sizes 7/S through 12/3XL

EN388: 2016

| ANSI/ISEA CUT | GRAM SCORE | CE |
|---|---|---|
| A8 | 5486 | 4X21FP |

| ANSI/ISEA PUNCTURE | ANSI/ISEA 138 |
|---|---|
| 2 | 1 |


## 4026

Article No. 60986

### Chrome Series®

- 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
- HexArmor Mud Grip® synthetic leather palm with PVC dots
- Hi-vis color and reflective tape on back-of-hand
- Elastic cuff with pull tab and Velcro® closure

Available in sizes 6/XS through 12/3XL

EN388: 2016

| ANSI/ISEA CUT | GRAM SCORE | CE |
|---|---|---|
| A8 | 5126 | 4X41FP |

| ANSI/ISEA PUNCTURE | ANSI/ISEA 138 |
|---|---|
| 2 | 1 |


## 4027

Article No. 60987

### Chrome Series®

- 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
- Durable TP-X® palm with reinforced stitching
- Enhanced palm construction for increased durability between fingers
- Hi-vis color and reflective tape on back-of-hand
- Elastic cuff with pull tab and Velcro® closure

Available in sizes 7/S through 12/3XL

EN388: 2016

| ANSI/ISEA CUT | GRAM SCORE | CE |
|---|---|---|
| A8 | 5248 | 4X13FP |

| ANSI/ISEA PUNCTURE | ANSI/ISEA 138 |
|---|---|
| 4 | 1 |


## 4080

Article No. 60009

### Chrome Series®

- SuperFabric® brand material palm provides industry-leading cut resistance (interior layer)
- 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 for a comfortable and precise fit

Available in sizes 6/XS through 12/3XL


# Comfort + Cut Protection. Redefined.

HexArmor® Chrome SLT® gloves were designed with ultimate comfort in mind, providing unsurpassed dexterity while maintaining cut and puncture resistance. With multiple styles and various safety features, you can be confident that the Chrome SLT® will keep your hands protected against almost any hazard.

**hexarmor.eu**

EN388: 2016

| ANSI/ISEA CUT | GRAM SCORE | |
|---|---|---|
| A5 | 2509 | 2X23EP |

| ANSI/ISEA PUNCTURE | ANSI/ISEA 138 |
|---|---|
| 4 | 1 |

EN407: 2004

X2XXX1

Impact Protection

Aramid Liner

# 4060

Article No. 60653

## Chrome SLT®

- Arc Flash Level 2 Rating: Lab tested in accordance with HRC ATPV at 23.6 Cal/cm2
- 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
- Full aramid liner for 360° cut protection
- SlipFit® cuff

Available in sizes 6/XS through 12/3XL

EN388: 2016

| ANSI/ISEA CUT | GRAM SCORE | |
|---|---|---|
| A5 | 2509 | 2X23E |

| ANSI/ISEA PUNCTURE |
|---|
| 4 |

EN407: 2004

422141

Aramid Liner

# 4061

Article No. 60654

## Chrome SLT®

- Arc Flash Level 4 Rating: Lab tested in accordance with HRC ATPV at 46 Cal/cm2
- Goatskin leather palm provides a traditional style of comfort and grip
- Full aramid liner for 360° cut protection
- SlipFit® cuff

Available in sizes 6/XS through 13/4XL

EN388: 2016

| ANSI/ISEA CUT | GRAM SCORE | |
|---|---|---|
| A5 | 2509 | 2X23E |

| ANSI/ISEA PUNCTURE |
|---|
| 4 |

EN407: 2004

422141

Aramid Liner

# 4062

Article No. 60655

## Chrome SLT®

- Arc Flash Level 4 Rating: Lab tested in accordance with HRC ATPV at 46 Cal/cm2
- Goatskin leather palm provides a traditional style of comfort and grip
- Stitched with Aramid thread
- Full aramid liner for 360° cut protection
- Extended safety cuff for easy on and off

Available in sizes 6/XS through 12/3XL

EN388: 2016

| ANSI/ISEA CUT | GRAM SCORE | |
|---|---|---|
| A6 | 3685 | 4X41FP |

| ANSI/ISEA PUNCTURE | ANSI/ISEA 138 |
|---|---|
| 2 | 1 |

Impact Protection

HPPE Blend Liner

# 4070

Article No. 60609

## Chrome SLT® 360°

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

Available in sizes 6/XS through 12/3XL

EN388: 2016

| ANSI/ISEA CUT | GRAM SCORE | |
|---|---|---|
| A6 | 3534 | 4X42FP |

| ANSI/ISEA PUNCTURE | ANSI/ISEA 138 |
|---|---|
| 3 | 1 |

Impact Protection

HPPE Blend Liner

# 4071

Article No. 60607

## Chrome SLT® 360°

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

Available in sizes 6/XS through 12/3XL

EN388: 2016

| ANSI/ISEA CUT | GRAM SCORE | |
|---|---|---|
| A6 | 3011 | 3X42F |

| ANSI/ISEA PUNCTURE |
|---|
| 3 |

HPPE Blend Liner

# 4072

Article No. 60608

## Chrome SLT® 360°

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

Available in sizes 6/XS through 12/3XL


# A Grip for Every Job

The Rig Lizard® Series is purpose-built to provide maximum grip in tough situations – with over five grip options for water, oils, muds, and lubricants. Each glove is equipped with our highly flexible proprietary IR-X® Impact Exoskeleton™ or Cellutek® impact protection, keeping hands protected from smash and pinch injuries. With additional options for cold and warm environments, this combination of multiple technologies and features makes this glove line the ideal solution for common oil, gas, and mining hazards.

**hexarmor.eu**

# Rig Lizard® Technology:
# High-Flex Impact Protection

## Not All Impact Gloves Are Created Equal

In response to the focus on impact protection, glove manufacturers have flooded the market with cheap gloves that claim to provide adequate impact protection. This has led safety managers to believe that any glove with back-of-hand smash guards provides sufficient impact protection and that all impact protection has a similar level of protection. In reality, smash guards have a range of protection based on a number of factors, including the thickness and resiliency of the material used, and the spaces between the guards.

Tested and updated under the ISEA 138 impact protection guidelines, HexArmor's proprietary IR-X® impact technology is proven to dissipate the force of sudden impact, smash, and pinch hazards away from the hand and finger bones during an impact. For additional impact protection, HexArmor offers Cellutek® impact technology. Made from a proprietary material, Cellutek® is a full back-of-hand impact protection system that's sewn into the glove. The impact absorbing properties layered with thermoplastic rubber (TPR) impact material dampens blunt forces, dissipating the blow from the impact so it can recover quickly.

Through this technology, we have found strong evidence that our impact protection minimizes the amount of force felt through the glove and lengthens the amount of time force is transferred. Together, these two factors help diminish or eliminate possible impact injuries by lessening the force of an impact up to 80% under ISEA 138 testing, helping us to deliver more comfort, more protection, and more dexterity than any other impact gloves on the market.

## Comfort and Dexterity

An impact glove can only prevent injuries if it's worn properly. The new high-flex impact design reduces hand fatigue, allows for higher levels of dexterity, and makes the Rig Lizard® an impact glove that's comfortable enough to wear all day. HexArmor® Rig Lizard® 2036 and 2037 with Cellutek® impact technology offers Level 2 and Level 3 ISEA 138 tested impact protection.

RIG LIZARD®

| ANSI/ISEA CUT | GRAM SCORE | EN388: 2016 |
|---|---|---|
| A3 | 1074 | 4X43CP |
| ANSI/ISEA PUNCTURE | ANSI/ISEA 138 | EN407: 2004 |
| 4 | 1 | X2XXXX |

Impact Protection
TP-X® Technology

## 2021X

Article No. 60670

### Rig Lizard®

- Back-of-hand IR-X® Impact Exoskeleton™ with high-flex design 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
- Protected by patents and patents pending

Available in sizes 6/XS through 12/3XL

| ANSI/ISEA CUT | GRAM SCORE | EN388: 2016 |
|---|---|---|
| A3 | 1040 | 4244XP |
| ANSI/ISEA PUNCTURE | ANSI/ISEA 138 | EN511: 2006 |
| 5 | 1 | 111 |

Impact Protection
TP-X® Technology

## 2023X

Article No. 60640

### Rig Lizard Arctic®

- Back-of-hand IR-X® Impact Exoskeleton™ with high-flex 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
- Goatskin leather forchettes for dexterity and durabilty
- SlipFit® cuff with Velcro® closure
- Protected by patents and patents pending

Available in sizes 7/S through 12/3XL

| ANSI/ISEA CUT | GRAM SCORE | EN388: 2016 |
|---|---|---|
| A6 | 3702 | 4X44FP |
| ANSI/ISEA PUNCTURE | ANSI/ISEA 138 | EN407: 2004 |
| 5 | 2 | X2XXXX |

Impact Protection
SuperFabric® Protection Zone

## 2025X

Article No. 60649

### Rig Lizard®

- SuperFabric® brand material palm provides industry-leading cut resistance (interior layer)
- Back-of-hand sewn-on IR-X® Impact Exoskeleton™ with high-flex design provides ANSI/ISEA 138 Level 2 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
- Protected by patents and patents pending

Available in sizes 6/XS through 12/3XL

| ANSI/ISEA CUT | GRAM SCORE | EN388: 2016 |
|---|---|---|
| A6 | 3527 | 4X32FP |
| ANSI/ISEA PUNCTURE | ANSI/ISEA 138 | EN407: 2004 |
| 3 | 2 | X2XXXX |

Impact Protection
SuperFabric® Protection Zone

## 2030X

Article No. 60671

### Rig Lizard®

- SuperFabric® brand material palm provides industry-leading cut resistance (interior layer)
- Back-of-hand sewn-on IR-X® Impact Exoskeleton™ with high-flex design provides ANSI/ISEA 138 Level 2 protection on knuckles and fingers
- Additional IR-X® guard between thumb and index finger
- Durable synthetic leather palm with heat-resistant silicone pattern.
- SlipFit® cuff with Velcro® closure, pull tab, and nametag
- Protected by patents and patents pending

Available in sizes 7/S through 12/3XL

| ANSI/ISEA CUT | GRAM SCORE | EN388: 2016 |
|---|---|---|
| A4 | 2053 | 4X44EP |
| ANSI/ISEA PUNCTURE | ANSI/ISEA 138 | |
| 5 | 1 | |

Impact Protection
HPPE Blend Shell

## 2090X

Article No. 60648

### 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-guage HPPE and glass fiber blend shell provides exceptional dexterity and feel
- Sandy nitrile palm coating
- Reinforced thumb crotch patch
- Protected by U.S. Patent No. D703,389

Available in sizes 5/XXS through 12/3XL

| ANSI/ISEA CUT | GRAM SCORE | EN388: 2016 |
|---|---|---|
| A6 | 3132 | 4X43EP |
| ANSI/ISEA PUNCTURE | ANSI/ISEA 138 | |
| 4 | 1 | |

Impact Protection
Acrylic Blend Shell

## 2091

Article No. 60016

### 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 provides exceptional dexterity and feel
- Interior fleece lining for warmth
- Sandy nitrile palm coating
- Protected by U.S. Patent No. D703,389

Available in sizes 6/XS through 11/XXL

EN388: 2016

| ANSI/ISEA CUT | GRAM SCORE | |
|---|---|---|
| A6 | 3276 | 4X44FP |

| ANSI/ISEA PUNCTURE | ANSI/ISEA 138 |
|---|---|
| 5 | 1 |

Impact Protection

HPPE Blend Shell

## 2095

Article No. 60650

### 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
- Reinforced thumb crotch patch

Available in sizes 5/XXS through 12/3XL

EN388: 2016

EN511: 2006

| ANSI/ISEA CUT | GRAM SCORE | | |
|---|---|---|---|
| A6 | 3132 | 4X43FP | 12X |

| ANSI/ISEA PUNCTURE | ANSI/ISEA 138 |
|---|---|
| 4 | 1 |

Impact Protection

Acrylic Blend Shell

## 2099

Article No. 60646

### 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 offers 360° cut resistance
- Sandy nitrile full coating provides superior grip
- Full double-dipped coating offers liquid resistance
- Interior fleece lining for warmth

Available in sizes 6/XS through 11/XXL

EN388: 2016

| ANSI/ISEA CUT | GRAM SCORE | |
|---|---|---|
| A1 | 257 | 4121XP |

| ANSI/ISEA PUNCTURE | ANSI/ISEA 138 |
|---|---|
| 2 | 1 |

Impact Protection

## 7101

Article No. 60651

### Thin Lizzie™ 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
- 15-gauge nylon blend shell provides exceptional dexterity and feel
- Sandy nitrile full coating
- Full double-dipped coating offers liquid resistance

Available in sizes 5/XXS through 12/3XL

EN388: 2016

| ANSI/ISEA CUT | GRAM SCORE | |
|---|---|---|
| A3 | 1274 | 4X42CP |

| ANSI/ISEA PUNCTURE | ANSI/ISEA 138 |
|---|---|
| 3 | 1 |

Impact Protection

HPPE Blend Shell

## 7102

Article No. 60652

### Thin Lizzie™ 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
- 13-gauge HPPE and fiberglass blend shell
- Sandy nitrile full coating
- Full double-dipped coating offers liquid resistance

Available in sizes 5/XXS through 12/3XL


# Engineered to Provide Maximum Protection

The GGT5® Series was built to be the toughest oil, gas, and mining glove on the market. With such a high level of safety hazards on these job sites, we made sure that the GGT5® Series was complete with industry-leading cut protection and an IR-X® Impact Exoskeleton™. Our specialized grips are designed to handle long days working with heavy tools, pipes, and machinery, to give workers the protection needed to get the job done.

**hexarmor.eu**

"The hand protection is far superior to any other glove I have used. Anything coming into contact with the front of my hand was easily dampened by the padding, and that is a very big deal when nothing I work with weighs less than a couple hundred pounds."

J.M., Precision Drilling

# 4021X

Article No. 60996

## GGT5®

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

Available in sizes 7/S through 12/3XL

| ANSI/ISEA CUT | GRAM SCORE | EN388: 2016 |
|---|---|---|
| A8 | 5234 | 4X44FP |

| ANSI/ISEA PUNCTURE | ANSI/ISEA 138 |
|---|---|
| 5 | 2 |


# You Do the Job that No One Else Can Do

When we took on the mission of creating the world's safest rescue glove, we knew we couldn't do it alone. Building the perfect safety glove for the toughest first responders takes a lot of work, so we put it back on the hardest workers we know. We went out and asked the heroes in the field what they needed out of their rescue gloves. It's a good thing we did; they helped us create a line of products that we are proud to call the HexArmor® EXT Rescue® Series.

**hexarmor.eu**


| ANSI/ISEA CUT | GRAM SCORE | EN388: 2016 |
|---|---|---|
| A8 | 5475 | 4X43FP |
| ANSI/ISEA PUNCTURE | ANSI/ISEA 138 | |
| 4 | 2 | |

Impact Protection
SuperFabric® Protection Zone

# 4011

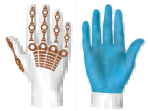
Article No. 60011

## EXT Rescue®

- SuperFabric® brand material palm provides industry-leading cut resistance (interior layer)
- High-performance back-of-hand IR-X® Impact Exoskeleton™ provides ANSI/ISEA 138 Level 3 protection on knuckles and Level 2 protection on fingers
- Full TP-X® palm with reinforced stitching
- Neoprene cuff with pull tab and Velcro® closure

Available in sizes 7/S through 11/XXL

| ANSI/ISEA CUT | GRAM SCORE | EN388: 2016 |
|---|---|---|
| A8 | 5139 | 4X41FP |
| ANSI/ISEA PUNCTURE | ANSI/ISEA 138 | |
| 2 | 1 | |



Impact Protection
SuperFabric® Protection Zone

# 4012

Article No. 60012

## EXT Rescue®

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

Available in sizes 6/XS through 11/XXL

| ANSI/ISEA CUT | GRAM SCORE | EN388: 2016 |
|---|---|---|
| A8 | 5201 | 4X41FP |
| ANSI/ISEA PUNCTURE | ANSI/ISEA 138 | |
| 2 | 1 | |

Impact Protection
SuperFabric® Protection Zone

# 4013

Article No. 60013

## EXT Rescue®

- SuperFabric® brand material palm provides industry-leading cut resistance (interior layer)
- Durable TP-X® palm with reinforced stitching
- Enhanced palm construction for increased durability between fingers
- Back-of-hand impact guards provide ANSI/ISEA 138 Level 1 protection on knuckles and fingers
- SlipFit® and anti-debris cuff

Available in sizes 7/S through 11/XXL

| ANSI/ISEA CUT | GRAM SCORE | EN388: 2016 |
|---|---|---|
| A8 | 5068 | 4X42FP |
| ANSI/ISEA PUNCTURE | ANSI/ISEA 138 | |
| 3 | 1 | |

Impact Protection
SuperFabric® Protection Zone

# 4014

Article No. 60014

## EXT Rescue® Barrier

- SuperFabric® brand material palm provides industry-leading cut resistance (interior layer)
- Waterproof H2X® barrier meets ASTM F1670/F1671 for bloodborne pathogen resistance and fluid-borne viral resistance (interior liner)
- 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

Available in sizes 7/S through 12/3XL


# 9000 SERIES™

## The Perfect Union of Performance and Comfort

The versatile 9000 Series™ offers a line of palm-coated knit gloves, supplemented with SuperFabric® brand materials for industry-leading cut resistance, and purpose-built for a variety of industrial applications. Most of the 9000 Series™ gloves feature a unique palm coating, maintaining the highest grip in varying conditions while providing increased abrasion resistance to extend product life.

**hexarmor.eu**



# 9011

Article No. 60007

## 9000 Series™

- SuperFabric® brand material palm provides industry-leading cut resistance (interior layer)
- Cotton blend shell provides exceptional dexterity and feel
- Wrinkle rubber latex palm coating

Available in sizes 7/S through 11/XXL

| ANSI/ISEA CUT | GRAM SCORE | EN388: 2016 |
|---|---|---|
| A7 | 4818 | 4X44F |

ANSI/ISEA PUNCTURE
5

SuperFabric® Protection Zone


# 9013

Article No. 60984

## 9000 Series™

- SuperFabric® brand material palm provides industry-leading cut resistance (interior layer)
- High-performance polyethylene and glass fiber blend shell provides exceptional dexterity and feel
- Sandy nitrile palm coating

Available in sizes 7/S through 11/XXL

| ANSI/ISEA CUT | GRAM SCORE | EN388: 2016 |
|---|---|---|
| A8 | 5022 | 4X43F |

ANSI/ISEA PUNCTURE
4

HPPE Blend Shell

SuperFabric® Protection Zone

# HELIX®


## Dexterity, Durability, and Purpose-Built Grip

No matter the job, there's a Helix® glove for your needs. Each glove in the Helix® Series is made with high-quality yarns, providing a highly dexterous, extremely comfortable shell that can be worn all day without causing hand fatigue. This versatile line of knit gloves offers a variety of palm coatings that can be used for wet, oily, and dry situations, and provides additional abrasion resistance.

EN388: 2016

| ANSI/ISEA CUT | GRAM SCORE | |
|---|---|---|
| A1 | 255 | 4121XP |

| ANSI/ISEA PUNCTURE | ANSI/ISEA 138 |
|---|---|
| 2 | 1 |


### 1095

Article No. 60642

**Helix®**

- 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

Available in sizes 5/XXS through 12/3XL

REACH COMPLIANT

EN388: 2016

| ANSI/ISEA CUT | GRAM SCORE | |
|---|---|---|
| A9 | 6437 | 4X44F |

| ANSI/ISEA PUNCTURE |
|---|
| 5 |


### 2062

Article No. 60661

**Helix®**

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

Available in sizes 5/XXS through 12/3XL

REACH COMPLIANT

EN388: 2016

| ANSI/ISEA CUT | GRAM SCORE | CE |
|---|---|---|
| A3 | 1274 | 4X42D |

| ANSI/ISEA PUNCTURE |
|---|
| 3 |

HPPE Blend Shell

## 2065

Article No. 60659

### Helix®

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

Available in sizes 5/XXS through 12/3XL

REACH COMPLIANT

EN388: 2016

| ANSI/ISEA CUT | GRAM SCORE | CE |
|---|---|---|
| A6 | 3276 | 4X44F |

| ANSI/ISEA PUNCTURE |
|---|
| 5 |

HPPE Blend Shell

## 2076

Article No. 60660

### Helix®

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

Available in sizes 4/3XS through 13/4XL

REACH COMPLIANT

EN388

| ANSI/ISEA CUT | GRAM SCORE | CE |
|---|---|---|
| A3 | 1147 | 3X43D |

| ANSI/ISEA PUNCTURE | EN407 CE |
|---|---|
| 4 | 42312X |

Aramid Blend Shell

## 2082

Article No. 60614

### Helix® Flame-Resistant

- 13-gauge flame-resistant aramid and wool blend shell*
- Flexible FR-compliant neoprene/ nitrile blend palm coating

Available in sizes 7/S through 11/XXL

*Hazard risk category HRC 1 arc flash protection (ATPV 7.7 cal/cm2, as per ASTM F2675/F2675M-13, determining arc flash rating of hand-protective devices)

REACH COMPLIANT

EN388: 2016

| ANSI/ISEA PUNCTURE | CE |
|---|---|
| 3 | 4X42DP |

## 3000

Article No. 60662

### Helix®

- 13-gauge HPPE and fiberglass shell
- Flexible sandy nitrile palm coating
- Back-of-hand IR-X® Impact Exoskeleton™ with high-flex design
- Reinforced thumb crotch patch

Available in sizes 7/S through 11/XXL

EN388

| ANSI/ISEA PUNCTURE | CE |
|---|---|
| 3 | 4X42DP |

EN407 CE X1XXXX

## 3003

Article No. 60665

### Helix®

- 13-gauge HPPE and steel shell
- Flexible sandy nitrile palm coating
- Back-of-hand IR-X® Impact Exoskeleton™ with high-flex design
- Reinforced thumb crotch patch
- Elastic cutt with Velcro® closure

Available in sizes 7/S through 11/XXL


# The Most Comfortable Work Gloves Ever Made

From the leader in industrial hand protection comes the Hex1® Series, because we know that not all jobs require heavy-duty safety gloves. Sometimes you just need a pair of gloves that look great, feel great, work great, and last. Hex1® gloves are made with the same high-quality materials as our high-performance safety gloves and perform better than any mechanic's glove you've ever worn. Whether you're looking for impact protection, wet or dry grip, cold weather, or simply a shop-glove, you're sure to find a Hex1® to fit your needs.

hexarmor.eu

# 2131

Article No. 60989

## Hex1® Series

- Full back-of-hand impact protection against bumps and tool slips
- Reinforced index finger and thumb saddle
- Durable TP-X® palm with reinforced stitching
- Neoprene cuff with Velcro® closure
- Nametag on Velcro® closure

Available in sizes 6/XS through 12/3XL

| ANSI/ISEA CUT | GRAM SCORE | EN388: 2016 |
|---|---|---|
| A1 | 413 | 4121XP |

| ANSI/ISEA PUNCTURE |
|---|
| 2 |

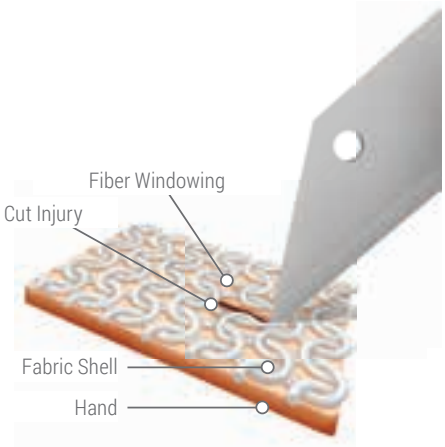
HexArmor® NXT® WITH SuperFabric®

# A Revolution in Hand Protection Technology

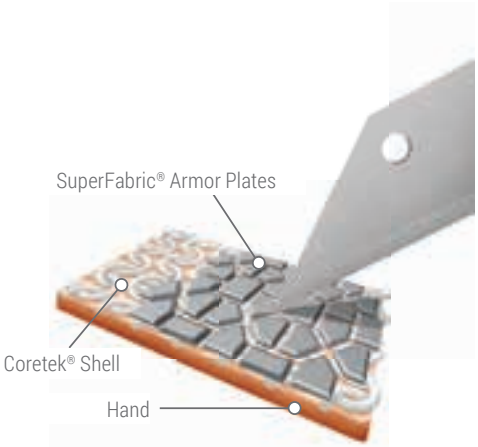
Our proprietary Coretek® blend of fibers creates a high-performance glove structure that is specially designed to house our licensed SuperFabric® guard plates, providing industry-leading cut resistance on the exterior of the hand while preserving all the dexterity of an ordinary knit glove. The bonding of these fabrics reduces the ability of fibers to "window," or separate, preventing cut and puncture hazards from reaching the user's hand.

- Exceptional performance in real-world application testing: NXT® doesn't have the weaknesses of standard fiber-knit products, which provide less protection from cuts and punctures when immobilized, under tension, or coated.

- Provides significantly higher abrasion resistance than standard fiber-knit products, which means higher performance longer in the product's life.




**Standard Knit Gloves**




**NXT® Gloves**

## 10-302

Article No. 60977

### NXT®

- Coretek® fiber keeps hands cool and comfortable
- Designed to be worn under standard nitrile, latex, or vinyl glove
- 3-finger coverage targets primary area for knife strikes
- Meets European food migration testing (EN 1186:2002 SI 1998 No 1376)
- Sanitizeable
- Ambidextrous, sold in eaches

Available in sizes 5/XXS through 12/3XL


EN388: 2016

| ANSI/ISEA CUT | GRAM SCORE | |
|---|---|---|
| A7 SuperFabric® | 4196 SuperFabric® | 4X42A |
| A1 Coretek® | 405 Coretek® | |

ThornArmor®

UNBEATABLE THORN AND NEEDLE PROTECTION

# Your Ultimate Defense Against Needles & Thorns

*"I never thought I would see the day you could pick up a cactus with your hands."*
*- Arizona Nursery Owner*

Introducing the first heavy-duty cactus landscaping gloves: the ThornArmor® 3092. Brought to you by the industry leader in needlestick protection, ThornArmor® by HexArmor® uses innovative technology to defend against needles and thorns. Say goodbye to the days of wrapping up cactus with carpet and newspaper or using rope to move these plants around.

For professional landscaping contractors, ThornArmor® gives workers the ability to pick up and move cactus by hand, without having to worry about harmful pokes. And for the serious DIY gardener, these are the same professional-grade tools the best horticulturists use.

## 3092

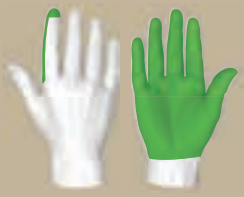
Article No. 60010

### ThornArmor®

- Three layers of SuperFabric® brand material in the palm and partial index finger wrap (interior layer)
- Breathable HexVent® panel on the back-of-hand helps keep you cool
- TP-X® palm material
- Airprene cuff with Velcro® closure
- Reinforced fingertips

Available in sizes 5/XXS through 11/XXL

3 Layers SuperFabric® Protection



EN388: 2016

| ANSI/ISEA CUT | GRAM SCORE | CE |
|---|---|---|
| A9 | 7668 | 4X33F |

| ANSI/ISEA PUNCTURE | NEEDLESTICK | NEWTONS |
|---|---|---|
| 4 | LEVEL 5 | 11.94 |

HexArmor®

# PointGuard® ULTRA

WITH SuperFabric®

## The Only Proven Needlestick Solution

HexArmor® needlestick-resistant products work by layering flexible SuperFabric® brand materials over each other; providing superior performance without sacrificing dexterity. SuperFabric® guard plates either block and deflect or trap and arrest needle hazards in the small gaps found between guard plates, keeping workers safe from needlestick injuries.

**hexarmor.eu**

# Don't Get Stuck with Faulty Hand Protection

The precise cost of needlestick injuries is difficult to quantify. According to the American Hospital Association, one case of serious infection by blood-borne pathogens can add up to $1 million or more in expenses for testing, lost work time, and disability payments. Even when no infection occurs, the cost to organizations is estimated to be more than $3,000 per injury for testing, counseling, and time off work.

HexArmor® sets the industry standard for needle protection with solutions for a variety of applications. Our needlestick-resistant products do more than simply pass industry-accepted testing methods; we put them through real-world applications countless times, with a history of undeniable success.

EN388: 2016

| ANSI/ISEA CUT | GRAM SCORE | CE |
|---|---|---|
| A9 | 8668 | 4X12F |

| ANSI/ISEA PUNCTURE | NEEDLESTICK | NEWTONS |
|---|---|---|
| 3 | LEVEL 5 | 11.59 |

2 Layers SuperFabric® Protection
3 Layers SuperFabric® Protection

## 3041

Article No. 60983

### Hercules® NSR

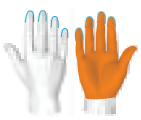
- SuperFabric® brand material provides industry-leading needlestick resistance (in noted enhanced areas)
- Full coverage design and pre-curved shape for maximum comfort and protection
- Silicone dot palm grip

Available in sizes 7/S through 11/XXL

EN388: 2016

| ANSI/ISEA CUT | GRAM SCORE | CE |
|---|---|---|
| A9 | 6679 | 4X42F |

| ANSI/ISEA PUNCTURE | NEEDLESTICK | NEWTONS |
|---|---|---|
| 3 | LEVEL 5 | 11.546 |



SuperFabric® Protection Zone
3 Layers SuperFabric® Protection

## 4041

Article No. 60004

### PointGuard® Ultra

- SuperFabric® brand material provides industry-leading needlestick resistance (in noted enhanced areas)
- Back-of-hand knuckle padding for incidental bumps/impact
- Silicone palm pattern for enhanced grip
- Neoprene cuff with Velcro® closure

Available in sizes 5/XXS through 11/XXL

| ANSI/ISEA CUT | GRAM SCORE | CE |
|---|---|---|
| A9 | 6679 | 4X42F |

| ANSI/ISEA PUNCTURE | NEEDLESTICK | NEWTONS |
|---|---|---|
| 3 | LEVEL 5<br>3 Layers SuperFabric®<br>LEVEL 3<br>2 Layers SuperFabric® | 11.546<br>3 Layers SuperFabric®<br>6.9<br>2 Layers SuperFabric® |

3 Layers SuperFabric® Protection
2 Layers SuperFabric® Protection
SuperFabric® Protection Zone

## 4043U

Article No. 60672

### PointGuard® Ultra

- SuperFabric® brand material provides industry-leading needlestick resistance (in noted enhanced areas)
- Back-of-hand knuckle padding for incidental bumps/impact
- Synthetic leather palm
- Neoprene cuff with Velcro® closure

Available in sizes 7/S through 11/XXL

EN388: 2016

| ANSI/ISEA CUT | GRAM SCORE | CE |
|---|---|---|
| A7 | 4321 | 4X22F |

| ANSI/ISEA PUNCTURE | NEEDLESTICK | NEWTONS |
|---|---|---|
| 3 | LEVEL 2<br>SuperFabric®<br>LEVEL 3<br>2 Layers SuperFabric® | 5.284<br>SuperFabric®<br>6.9<br>2 Layers SuperFabric® |

2 Layers SuperFabric® Protection
SuperFabric® Protection Zone

## 4045

Article No. 60005

### PointGuard® Ultra

- SuperFabric® brand material provides industry-leading needlestick resistance (in noted enhanced areas)
- Back-of-hand knuckle padding for incidental bumps/impact
- Silicone palm pattern for enhanced grip
- Neoprene cuff with Velcro® closure

Available in sizes 6/XS through 12/3XL

PointGuard ULTRA

# 4046

Article No. 60978

## PointGuard® Ultra

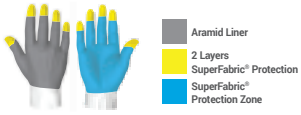
- SuperFabric® brand material provides industry-leading needlestick resistance (in noted enhanced areas)
- Aramid liner for back-of-hand protection
- Premium goatskin leather
- SlipFit® cuff

Available in sizes 6/XS through 11/XXL

EN388: 2016

| ANSI/ISEA CUT | ANSI/ISEA PUNCTURE | |
|---|---|---|
| A7 | 3 | 4X12F |

| GRAM SCORE | NEEDLESTICK | NEWTONS |
|---|---|---|
| 4064 SuperFabric® 804 Aramid | LEVEL 2 SuperFabric® LEVEL 4 2 Layers SuperFabric® | 5.8 SuperFabric® 8.42 2 Layers SuperFabric® |



Aramid Liner
2 Layers SuperFabric® Protection
SuperFabric® Protection Zone

# 6044

Article No. 60006

## PointGuard® Ultra

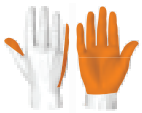
- SuperFabric® brand material provides industry-leading needlestick resistance (in noted enhanced areas)
- Recommended use as an underglove solution with appropriate top-glove combination
- Lightweight spandex shell with elastic wrist

Available in sizes 5/XXS through 11/XXL

EN388: 2016

| ANSI/ISEA CUT | GRAM SCORE | |
|---|---|---|
| A9 | 6408 | 4X33F |

| ANSI/ISEA PUNCTURE | NEEDLESTICK | NEWTONS |
|---|---|---|
| 4 | LEVEL 4 | 8.6 |



3 Layers SuperFabric® Protection

# 7082

Article No. 60980

## SharpsMaster HV®

- SuperFabric® brand material provides industry-leading needlestick resistance (in noted enhanced areas)
- Single-glove needle solution with incredible dexterity and comfort
- Flat nitrile three-quarter knuckle coating

Available in sizes 7/S through 10/XL

EN388: 2016

| ANSI/ISEA CUT | GRAM SCORE | |
|---|---|---|
| A9 | 7345 | 4X33F |

| ANSI/ISEA PUNCTURE | NEEDLESTICK | NEWTONS |
|---|---|---|
| 4 | LEVEL 4 | 9.87 |

3 Layers SuperFabric® Protection

# 9014

Article No. 60981

## SharpsMaster II®

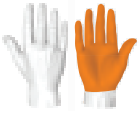
- SuperFabric® brand material provides industry-leading needlestick resistance (in noted enhanced areas)
- Cotton blend shell provides exceptional dexterity and feel
- Wrinkle rubber latex palm coating

Available in sizes 6/XS through 10/XL

EN388: 2016

| ANSI/ISEA CUT | GRAM SCORE | |
|---|---|---|
| A9 | 7167 | 4X44F |

| ANSI/ISEA PUNCTURE | NEEDLESTICK | NEWTONS |
|---|---|---|
| 5 | LEVEL 5 | 10.279 |



3 Layers SuperFabric® Protection

# 9032

Article No. 60638

## PointGuard® Ultra

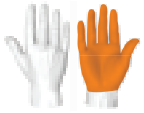
- SuperFabric® brand material provides industry-leading needlestick resistance (in noted enhanced areas)
- Single-glove needle solution with incredible dexterity and comfort
- Sandy nitrile three-quarter knuckle coating

Available in sizes 7/S through 10/XL

EN388: 2016

| ANSI/ISEA CUT | GRAM SCORE | |
|---|---|---|
| A9 | 7167 | 4X43F |

| ANSI/ISEA PUNCTURE | NEEDLESTICK | NEWTONS |
|---|---|---|
| 4 | LEVEL 5 | 11.143 |



3 Layers SuperFabric® Protection

# AG8TW

Article No. 60982

## 8" Needle Resistant Arm Guard

- SuperFabric® brand material provides industry-leading needlestick resistance
- Won't fall down like knit sleeves
- Spandex wrist insert with thumb hole and snap fasteners

Available in sizes 7/S through 12/3XL

EN388: 2016

| ANSI/ISEA CUT | GRAM SCORE | |
|---|---|---|
| A8 | 5254 | 4X11F |

| ANSI/ISEA PUNCTURE | NEEDLESTICK | NEWTONS |
|---|---|---|
| 2 | LEVEL 2 | 5.5125 |

2 Layers SuperFabric® Protection


"HexArmor® needlestick gloves are the best hand protection on the market. Our HexArmor® rep helped us define our areas of concern and recommended the perfect solution for us. And it's really paid dividend on reducing our injury rates."

Regional Safety Manager
U.S. Recycling Company

# Puncture & Needle Testing Explained

## The ANSI/ISEA 105 Test

In February of 2016, the ANSI/ISEA 105 standard was updated and published to include two puncture standards: Puncture Resistance (other than hypodermic needle) and Hypodermic Needlestick Puncture. Prior to 2015, there was only one puncture test, which did not specify the type of puncture hazard the standard was created for, leaving it open for interpretation. Having both an industrial puncture standard and a hypodermic needle puncture standard allows safety managers to differentiate between what protection they need most, based on more relevant testing and classification.



## EN 388: Industrial Puncture Resistance (Non-Hypodermic Needlestick Puncture)

The EN 388 probe is the approved puncture test for ANSI/ISEA 105 and measures the amount of force needed for a blunt probe to pierce through the sample material (taken from palm).

- The blunt probe moves at a 90˚ angle at a speed of 100mm/minute
- Results are reported in Newtons and are given a 1-5 classification rating, with 1 being low resistance and 5 being high resistance
- The test is done 4 times for every palm sample
- The lowest score is reported

## ASTM F2878: Hypodermic Needlestick Puncture Resistance

The ASTM F2878 is the approved puncture test for ANSI/ISEA 105 and measures the amount of force needed for a 25-gauge hypodermic needle to pierce through the sample material.

- The puncture probe (25-gauge needle) travels at a 90˚ angle into specimen at a vector of 500 millimeters per minute.
- Results are reported in Newtons and are giving a 1-5 classification rating, with 1 being low resistance and 5 being high resistance
- The test is done 12 times for every palm sample
- The average of the 12 results is reported

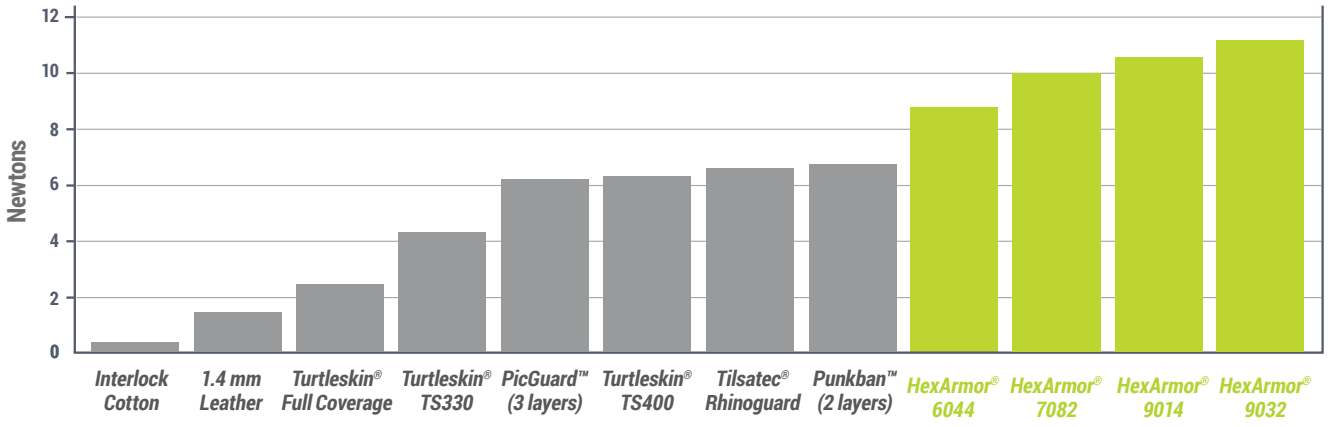
*Our needlestick–resistant gloves and arm guards give you maximum protection and peace of mind.*

Having both an industrial puncture standard and a hypodermic needle puncture standard allows safety managers to differentiate between what protection they need most, based on more relevant testing and classification.

## The Results

We tested our needlestick and puncture-resistant gloves, as well as competitive gloves, using the ASTM F2878 methodology, producing the following results:

### ASTM-F2878 Needle Resistance Comparison




*The Newton is the Standard International unit of force. One Newton is the force required to cause a mass of one kilogram to accelerate at a rate of one meter per second squared in the absence of other force-producing effects.

# Arm & Body Protection

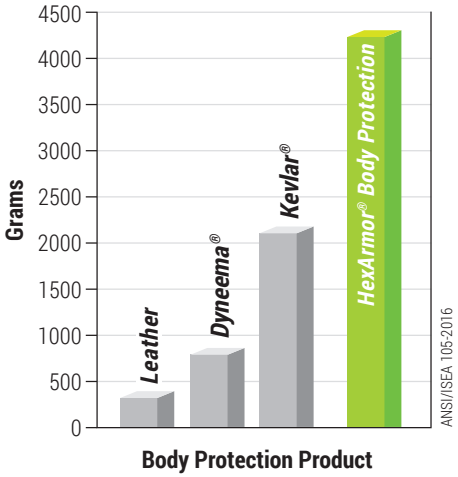
## Armor Up!

No more snags, punctures, abrasions, or cuts to your arms and torso. HexArmor® industrial aprons and body protection outperform, outlast, and fit better than the competition. HexArmor® body protection with SuperFabric® brand materials provides industry-leading cut resistance, giving you the protection you need most, where you need it.

hexarmor.eu

# Competitive fabrics don't always cut it where protection is needed most

While common cut-resistant products, with blends of yarns such as Kevlar®, Dyneema®, or Spectra®, give some minimal protection from straight edged cut hazards, they don't offer sufficient protection from variable hazards such as knives, metal burrs, wires, or slivers commonly found in industrial environments. HexArmor® body protection provides industry leading cut resistance, giving you the protection you need most, where you need it. No other competitive product comes close.




## AG10009S

Article No. 60985

### 9" Arm Guard

- SuperFabric® brand material provides industry-leading cut resistance
- Industrial puncture protection on enhanced areas protects against wires, metal, wood, and glass
- Spandex wrist insert with thumb hole

Available in sizes 6/XS through 12/3XL

| ANSI/ISEA CUT | GRAM SCORE | EN388: 2016 |
|---|---|---|
| A7 | 4425 | 4X42F |

| ANSI/ISEA PUNCTURE |
|---|
| 3 |

SuperFabric® Protection Zone

## AS019S

Article No. 60003

### 19" Arm Sleeve

- SuperFabric® brand material provides industry-leading cut resistance
- Industrial puncture protection on enhanced areas protects against wires, metal, wood, and glass
- Neoprene thumb loop and sleeve clip keeps sleeve from falling

Available in sizes 6/XS through 12/3XL

| ANSI/ISEA CUT | GRAM SCORE | EN388: 2016 |
|---|---|---|
| A7 | 4425 | 4X42F |

| ANSI/ISEA PUNCTURE |
|---|
| 3 |

SuperFabric® Protection Zone

## AP322

Article No. 60001

### 24" x 30" Apron

- SuperFabric® brand material provides industry-leading cut resistance
- Industrial puncture protection on enhanced areas protects against wires, metal, wood, and glass
- Heavy weight,double layer

One size fits most

| ANSI/ISEA CUT | GRAM SCORE | EN388: 2016 |
|---|---|---|
| A9 | 7377 | 4X44F |

| ANSI/ISEA PUNCTURE |
|---|
| 5 |



2 Layers SuperFabric® Protection

## AP361

Article No. 60002

### 36" Apron

- SuperFabric® brand material provides industry-leading cut resistance
- Industrial puncture protection on enhanced areas protects against wires, metal, wood, and glass
- Double layer belly patch
- Split leg design

One size fits most

| ANSI/ISEA CUT | GRAM SCORE | EN388: 2016 |
|---|---|---|
| A7 | 4425 | 4X42F |

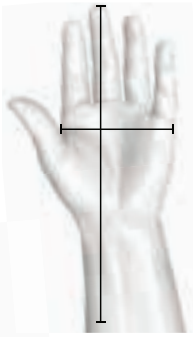
| ANSI/ISEA PUNCTURE |
|---|
| 3 |

2 Layers SuperFabric® Protection

SuperFabric® Protection Zone

# Glove Sizing Guide

Industrial gloves fit differently than most gloves because of the materials used to provide protection. We recommend using our size chart (below) and reviewing glove descriptions and materials. Please note that this chart should be used only as a general guideline, as different styles of gloves will measure slightly different. If you are still uncertain about what size would best fit your hand, give us a call at 1-616-459-4144.



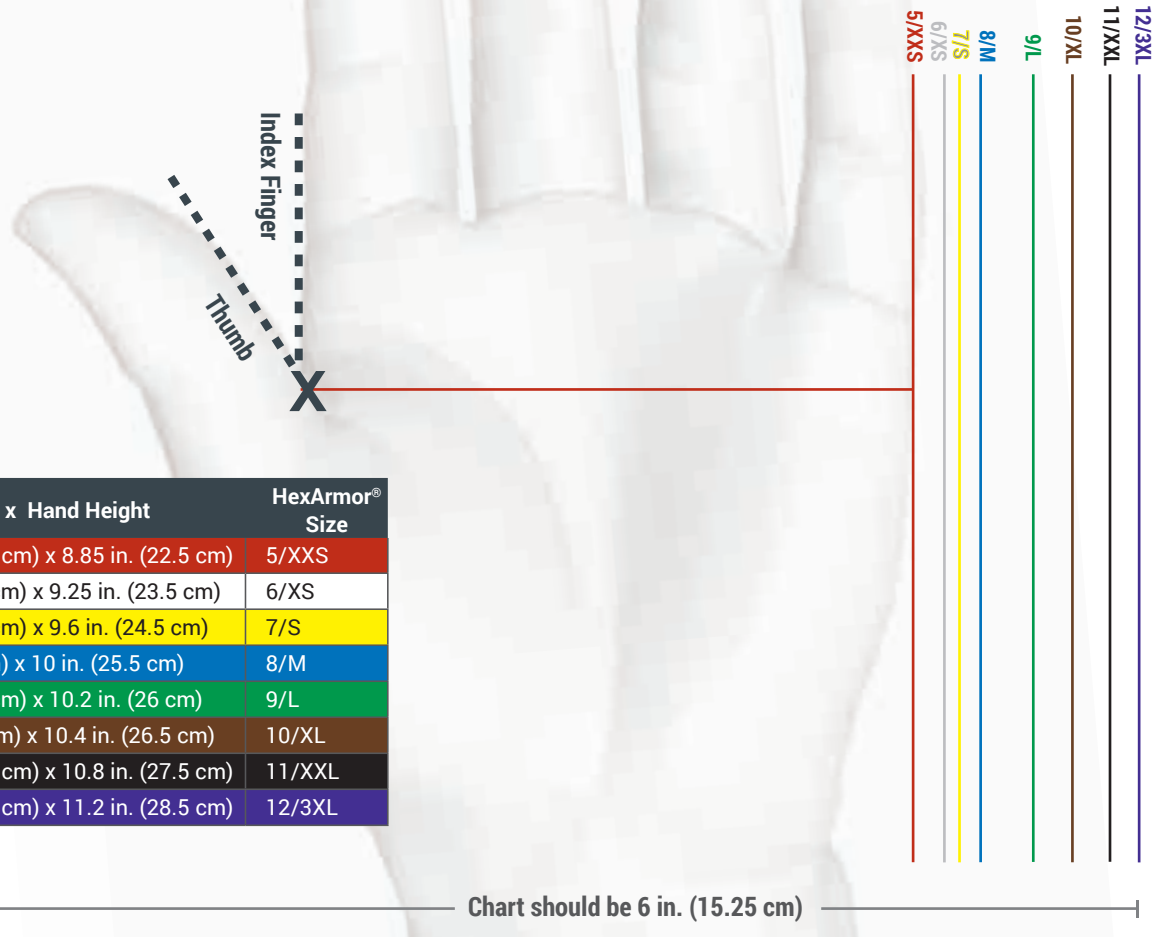
## Two Ways to Measure

### Measure Your Hand (Recommended)

For palm width, measure the width across your palm where your hand naturally bends. For hand height (seamless gloves only), measure from the tip of your middle finder to where the cuff will end on your forearm. Compare this measurement to the chart below to determine your glove size. For seamless gloves, the stiching color on the glove cuff corresponds to the matching size color in the chart.

### Or, Print this Chart to Help Measure

Print the below glove chart at 100% size to assist with accurate measurement. Reducing or enlarging the printout will result in inaccurate measurements. Place your right hand on the glove chart so that the saddle of your thumb and index finger line up with the X. The measurement closest to the right edge of your hand will be the appropriate glove size.



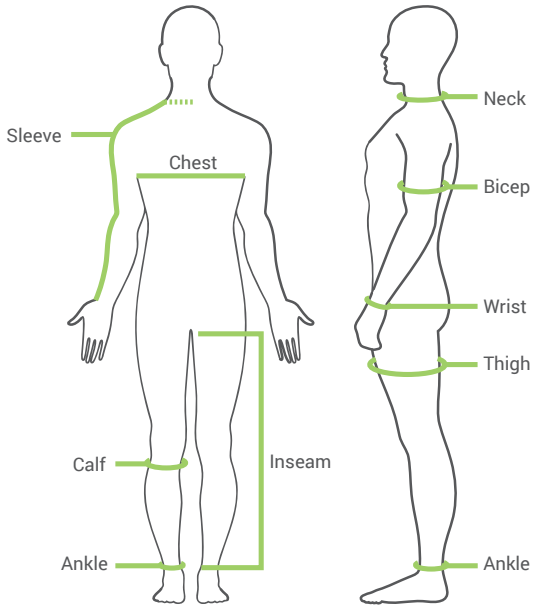

| Palm Width x Hand Height | HexArmor® Size |
|---|---|
| 3.18 in. (8.1 cm) x 8.85 in. (22.5 cm) | 5/XXS |
| 3.3 in. (8.5 cm) x 9.25 in. (23.5 cm) | 6/XS |
| 3.4 in. (8.7 cm) x 9.6 in. (24.5 cm) | 7/S |
| 3.5 in. (9 cm) x 10 in. (25.5 cm) | 8/M |
| 3.8 in. (9.7 cm) x 10.2 in. (26 cm) | 9/L |
| 4 in. (10.2 cm) x 10.4 in. (26.5 cm) | 10/XL |
| 4.2 in. (10.7 cm) x 10.8 in. (27.5 cm) | 11/XXL |
| 4.4 in. (11.1 cm) x 11.2 in. (28.5 cm) | 12/3XL |

# Arm & Body Protection

You may need to order one size larger when wearing arm guards over shirt sleeves, in which case we recommend measuring over your clothes. Having someone assist you will ensure accurate measurements.

## How to Measure

- **Neck:** Measure the circumference where a standard button-down type collar would be fastened.
- **Bicep:** Measure around the widest part, a few inches below the shoulder.
- **Chest:** Measure the width at the fullest point, keeping the tape horizontal.
- **Sleeve length:** Measure the distance from the prominent bone in the center on the back of the neck, across the shoulder, over the bent elbow, to the wrist bone.
- **Inseam:** Measure the length from the crotch seam to the bottom of the leg
- **Ankle:** Measure around the widest part, just above the ankle bone.
- **Calf:** Measure around the widest part, a few inches below the knee.



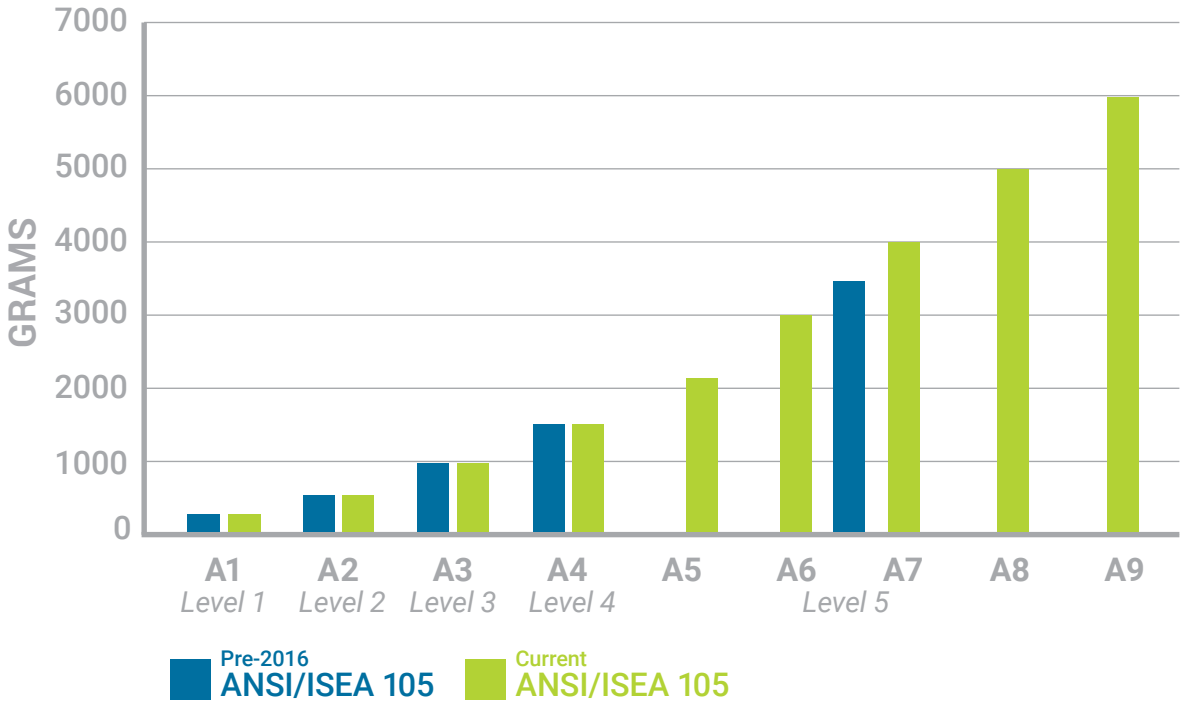

| Product | | 6/XS | 7/S | 8/M | 9/L | 10/XL | 11/XXL | 12/3XL |
|---|---|---|---|---|---|---|---|---|
| AG8TW | Length<br>Wrist<br>Width | n/a | 7½"/19.1 cm<br>8"/20.3 cm<br>10"/25.4 cm | 7¾"/19.7 cm<br>8"/20.3 cm<br>10"/25.4 cm | 8½"/21.6 cm<br>9"/22.9 cm<br>11"/27.9 cm | 9¼"/23.5 cm<br>9½"/24.1 cm<br>12½"/31.8 cm | 10"/25.4 cm<br>10"/25.4 cm<br>14"/35.6 cm | 10"/25.4 cm<br>12½"/31.8 cm<br>16"/40.6 cm |
| AG10009S | Length<br>Wrist<br>Width | 9½"/24.1 cm<br>8½"/21.6 cm<br>12¼"/31.1 cm | 9½"/24.1 cm<br>9"/22.9 cm<br>13"/33 cm | 10¼"/26 cm<br>10¼"/26 cm<br>14¼"/36.2 cm | 10½"/26.7 cm<br>11½"/29.2 cm<br>15"/38.1 cm | 11"/27.9 cm<br>14"/35.6 cm<br>17"/43.2 cm | 11"/27.9 cm<br>14"/35.6 cm<br>17½"/44.5 cm | 12¼"/31.1 cm<br>14½"/45.7 cm<br>18"/45.7 cm |
| AS019S | Length<br>Wrist<br>Bicep | 19¼"/48.9 cm<br>8"/20.3 cm<br>15"/38.1 cm | 20½"/52.1 cm<br>8¼"/21 cm<br>15½"/39.4 cm | 21"/53.3 cm<br>9"/22.9 cm<br>16½"/41.9 cm | 21¾"/55.2 cm<br>9¼"/23.5 cm<br>18"/45.7 cm | 22½"/57.2 cm<br>10¼"/26 cm<br>18½"/47 cm | 23"/58.4 cm<br>11¾"/29.8 cm<br>23"/58.4 cm | 24¼"/61.6 cm<br>12¼"/31.1 cm<br>24¼"/61.6 cm |

# Cut Standards Explained

In February 2016, the standards outlined in the American National Standard Institute (ANSI) and International Safety Equipment Association (ISEA) for Hand Protection Selection Criteria (ANSI/ISEA 105-16) changed. In April 2018, changes were also made to the EN 388 European regulatory standard for protective gloves (CE). These new glove standards will help safety managers choose the proper hand protection with greater precision and confidence.

**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 expanded both to address the gaps of protection between cut levels and to model the classification approach used in similar international standards.

The standard employs a 9-level scale (expressed as A1-A9) that spans 0 grams to 6,000 grams of cut resistance. This allows for more accurate identification of cut protection. The most significant change calls for cut level 4—which formerly ranged from 1,500 grams to 3,500 grams of cut resistance — to be divided into three separate levels. The more granular rating allows end users to better identify a level of cut resistance that meets their specific safety requirements.



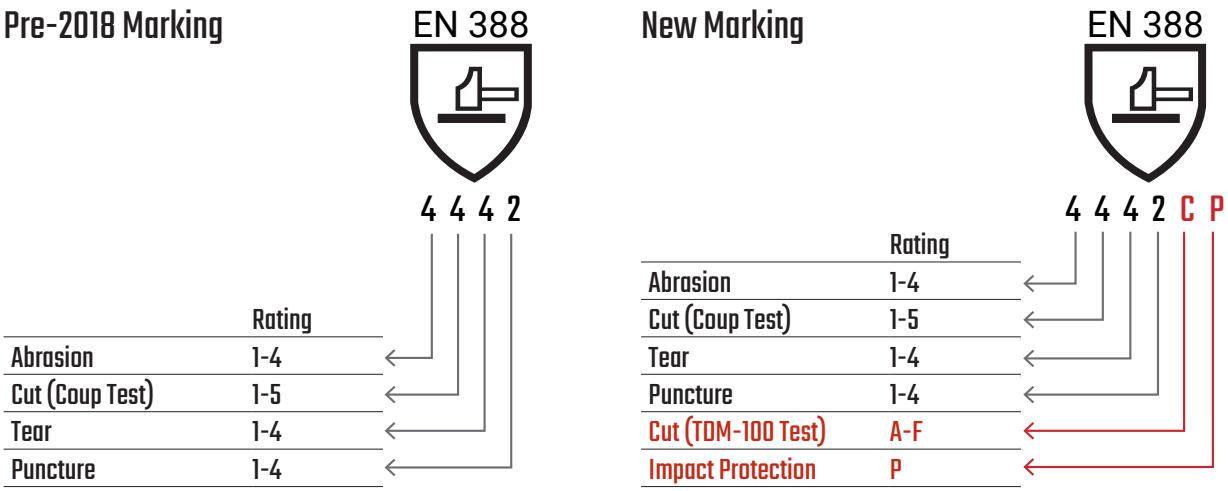

**ANSI/ISEA 105 Cut Resistance Testing**
In addition to a more accurate cut resistance classification scale, the ANSI/ISEA 105:16 now only references the Tomodynamometer Test Method (TDM-100) based on the ASTM F2992-15, discarding the Cut Protection Performance Tester (CPPT) methods formerly recognized as the alternative test(s). The TDM-100 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 (a change from the old standards which referenced both 20 MM and 25 MM, depending on the testing standard used).

**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.



**North American Manufacturers and Distributors Are Not Required to Certify Their Cut Resistance**
The CE is the only certification-requiring body for PPE, meaning the product has been verifiably tested and results reported. CE marking is required before legally being sold into the European market. This is different from North America where the ANSI/ISEA establishes only standardizations for cut-resistant materials.

This means North American manufacturers and distributors can claim cut resistance and sell their products in North America without ever testing them. If they do elect to test them for cut resistance, they can use any method they choose. For this reason, it is extremely important to gather information both about the material used in PPE, as well as the methods by which it is tested, before continuing with a purchase decision. HexArmor® recommends following the ANSI/ISEA 105:2016 standard when selecting appropriate hand protection.

**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.

**Cut-Resistant PPE Manufacturers and Suppliers Can Provide Further Understanding of Cut Testing**
Ask them questions and seek thorough explanations for the methods that they have selected to test their products. 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 PPE Testing

## What to Do When Evaluating Gloves

Real-world applications are different from cut tests done in a lab. Even cut tests may vary by using different methods and producing different results.

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 semblance to real-world applications.

Each HexArmor® product is unique in their 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 about testing or would like to talk to us about testing, please contact us.

**Abrasion Resistance.** If a glove fails too early due to wearing through from an abrasive hazard, the skin is quickly exposed to cut hazards. The higher the abrasion level, the higher the level of protection from not just abrasion but from cut and punctures.

**Stability.** Evaluate the 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 subjected 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.** Gloves that are too tight may cut easier because many of the fibers used for cut resistance use a rolling action to increase cut resistance. 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. Take an example from the kitchen and do this simple experiment: Put a cucumber on a cutting board and take a very sharp knife. Try to cut the cucumber with a sawing motion without holding the cucumber. It just rolls and doesn't cut. Now hold the cucumber and do the same thing. It cuts very easily. Tight-fitting gloves can perform like the immobilized cucumber. 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 that employees know what to look for when picking gloves.

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

# Glove Care - Why Does It Matter?

## 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 worn-down 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.

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.


*SuperFabric is a registered trademark of HDM, Inc.

# HexArmor® + uvex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# protecting people

## Discover the HexArmor gloves range at hexarmor.eu

HexArmor® products are cut and puncture resistant, NOT CUT AND PUNCTURE PROOF. Do not use with moving or serrated blades or tools. User shall be exclusively responsible to assess the suitability of the product as specified for any individual application or use. Protection zones are to be used as a general guide. Actual product protection zones may differ.

Protected by patents and patents pending.
SuperFabric® is a registered trademark of HDM, Inc.

All products, product descriptions and performance scores are current as of June 2020.

1.001.509/10.20/1/15 Printed in Germany.