
WATSON GLOVES®
*Quality since 1918*

# Cut Resistant Series Vol. 18

## THE BASICS

Cut and puncture wound hazards in the workplace come from handheld sharp cutting tools which includes knives, razors, pruners, chisels, snips, etc., as well as the handling of materials such as metal, glass, and sharp-edged plastics. These types of hazards can be reduced through training employees to choose, store, and use tools properly, and ensuring maintenance and repair of sharp and cutting tools. Another means of protecting employees is with personal protective equipment (PPE)—namely cut resistant gloves.

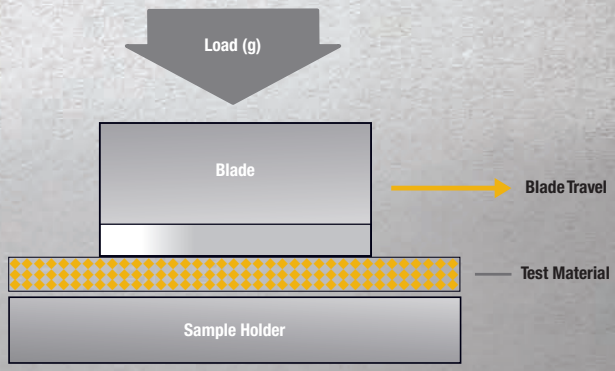
This guide is all about cutting. Although topics such as abrasion, puncture, and tear are mentioned, they are all very different forms of breaking apart material. You will read below about the two methods of testing cut resistance which our gloves are rated by. Please note, cutting gloves with a pair of scissors involves 'shear', which is a different kind of force from the slicing type of cut faced in industrial applications. Scissors have 2 sharp blades applying stress in both directions. Cut resistance can not be categorized through scissor tests.

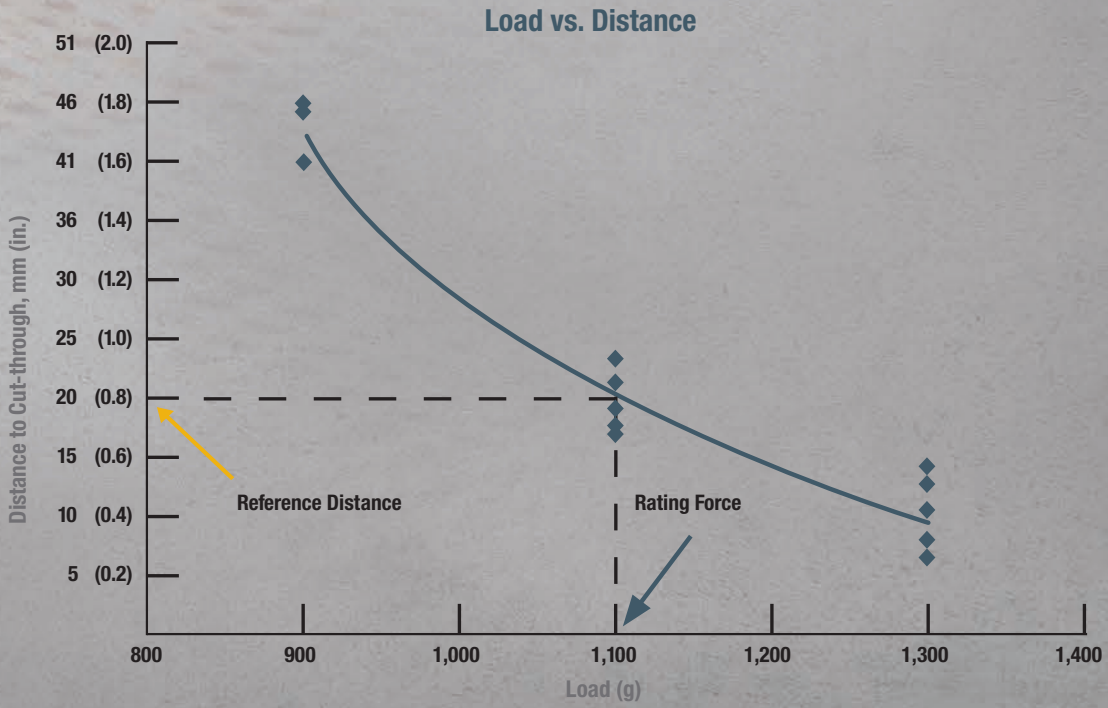
It is important to keep in mind that there is really no such thing as a "cut proof" glove—you will never hear us describe our products as such. Work gloves can be cut resistant, but with enough pressure, all gloves will allow a sharp-edged object through. How well the glove performs also depends on how you maintain the glove—the manufacturer's recommendations for glove care need to be followed for optimum performance.

Ultimately, being educated about risks and hazards in the workplace is what protects us the best.

## ISO 13997 Test Method

In the ISO 13997 test methods, the sample is cut by a straight-edge blade, under load, that moves along a straight path. The sample is cut five times each at three different loads and the data is used to determine the required load to cut through the sample at a reference distance of 20 mm (0.8 in.). This is referred to as the Rating Force or Cutting Force (Refer to Diagram below). The higher the Rating Force, the more cut-resistant the material. Neoprene rubber is used as the standard to evaluate blade sharpness.



## CUT RESISTANT STANDARD

In January 2016 the American National Standards Institute (ANSI) introduced a new standard called the ANSI/ISEA 105. The goal for updating this standard was to create consistency between ANSI and EN388 methods as well as to account of the recent advances in cut resistant yarns and technologies. Both the new ANSI F2992-15 cut test method and EN ISO 13997 now use the same TDM-100 machines and as a result, their scores now roughly correlate as you can see illustrated in the chart below.


The 2016 revision of the ANSI/ISEA 105 standard is a more expanded level of classification of cut resistance:

- The ANSI ASTM F2992-15 cut test method now features 9 levels of cut resistance: A1-A9 with smaller increments between levels
- Additional levels have also been added to the higher end of the cut resistance scale to account for new cut resistant materials and technologies coming on to the market.

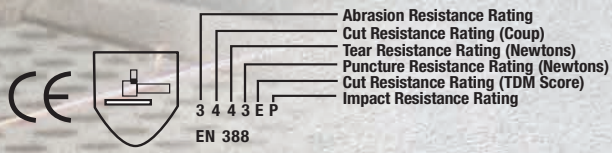
For the EN 388 cut test ratings, both the Coup Test cut score and ISO 13997 rating are required to be represented on the En 388 score

- The new ISO 13997 rating is represented by the letters A-F at the end of the score

## EN388 AND ANSI PICTOGRAMS

**EN388: 2016 Pictogram:**

The EN 388 rating is scored from (A-F)




**ANSI F2992-15 Icon:**

The ANSI ratings is scored from A1-A9


## CHOOSE YOUR CUT LEVEL

| ANSI F2992 – 15 | | | EN388: 2016 | |
|---|---|---|---|---|
| Cut rating from A1-A9 (9 levels) | Measured in Grams of Force 1gf = 0.0098N | | Measured in Newtons 1N = 101.97gf | Cut rating from A-F (6 levels) |
| **Materials** | | | | **Application** |
| Metal Mesh | 6000+ gf | A9 | | **Extreme** Glass Manufacturing, Recycling Sorting, Metal Fabrication |
| | 5000 - 5999 gf | A8 | | |
| Engineered Yarns | 4000 - 4999 gf | A7 | | **High** Automotive Assembly, Pulp Paper, Aerospace Industry |
| | 3000 - 3999 gf | A6 | F 30 N (3059 gf) | |
| | 2000 - 2999 gf | A5 | E 22 N (2243 gf) | **Moderate** Manufacturing, Warehouse, Food Prep, Packaging |
| | 1500 - 1999 gf | A4 | D 15 N (1529 gf) | |
| | 1000 - 1499 gf | A3 | C 10 N (1019 gf) | |
| Synthetics Polyester/Nylon | 500 - 999 gf | A2 | B 5 N (309 gf) | **Low Hazards** General purpose material handling with sharp edges |
| | 200 - 499 gf | A1 | A 2 N (203 gf) | |

# TYPES OF CUTS

## THINGS TO CONSIDER WHEN CHOOSING GLOVES

### TYPES OF CUTS:

**Slicing**
Caused by the sliding of the skin across a very sharp edge. The sliding action can be a result of the hand or other skin surface sliding across the sharp edge or by the sharp edge sliding across the stationary hand or other skin surface. Examples of this type of cut would be a slip of the knife when dicing vegetables.

**Abrasions**
This type of cut is the process of scraping or wearing away. The surface may or may not be sharp/jagged.

**Punctures or Impact Cuts**
These result from sharp or pointed objects impacting the skin (falling pane of glass or sheet of metal). Punctures are often categorized as cut hazards because they cause lacerations. When dealing with this type of hazard, it is important to remember that the initial protection needed is not cut resistance, it is puncture resistance—they are not the same thing. The hand is getting cut because the barb or shard is penetrating the surface of the glove. A coating or leather patch can be added to the glove surface to help prevent shards from penetrating.

**Edge Sharpness**
All edges are sharp, however, a true assessment of this hazard can reduce the likelihood of cut incidents and decrease the severity of them, should they still occur. There are many different types of cut resistant fibers to choose from, and each has a cost and/or protection benefit that can be evaluated.

**Edge Roughness**
Thin gauge sheet metal has a smaller burr when stamped or punched than thicker gauge sheet metal. Bigger burrs or rougher edges require thicker or heavier weight gloves. The thickness will prevent the burr from penetrating the glove and cutting the hand. Heavier weight gloves will wear longer when exposed to rougher edges. Yarns with higher tensile strength combined with abrasion resistance are required in these applications.

**Surface Texture**
Dry surfaces require gloves with grip. Oily surfaces require gloves with absorption in order to get a good grip. Different grips can be added to cut resistant gloves by dipping, dotting, or screening.

**Moving Edges vs. Stationary Edges**
Moving edges require thicker gloves because the edge tears the glove surface as it passes along the palm. Thickness, in this case, equates to wear resistance. Stationary edges require less reinforcement. It is important to note the moving edge referenced here occurs when a hand slides along a piece of metal or glass as it is grabbed. No glove can protect against a moving or rotating blade.

**Assembly**
Hand cut injuries often occur in sheet metal assembly areas where moving parts (nuts, bolts, and screws) are driven with automatic wrenches and screwdrivers. As a general rule, knit gloves should not be used in these areas because they can catch on the edge of a turning screw or bolt as it is driven. Gloves with a tacky grip can pose the same hazard. Gloves knit with cut-resistant fibres can be dipped with coatings that encapsulate the knit fibres and provide dry, wet, and oily surface gripping without being tacky.

# CUT FIBRES + MATERIALS

## FIBRES/ MATERIALS

**Cut Shield™**
Cut Shield™ is a cut resistant ANSI A4, A5, A7 liner made from a blend of P-aramid, glass and polyester fibres.

**Kevlar® Aramid Fibre**
DuPont™ Kevlar® is an extraordinarily strong, light, and flexible material, highly cut and heat resistant. It is inherently flame resistant and self-extinguishing—thread made of Kevlar® fibre is used to sew seams on temperature-resistant gloves. This makes Kevlar® work gloves useful for welding and manufacturing facilities such as glass plants and refineries. Kevlar® also finds use in automotive manufacturing, lumber falling, law enforcement, veterinary or animal control operations, construction, steel and metal working applications, and garment manufacturing.

**Leather & Cotton**
One of the most common misconceptions when dealing with cut resistance is that leather is a good cut resistant material. While it is true that an extremely thick leather glove will provide some degree of cut resistance, pound per pound cotton actually has a greater cut resistance than leather. In order to have any degree of protection, the leather has to be so thick that it becomes a very uncomfortable glove that leaves you with little dexterity. The primary reason you need cut resistance gloves is because your skin cuts very easily. And, since leather is just skin of an animal, it cuts just about as easily.

Though we have a couple leather gloves in our cut resistant guide, they have Spectra® fibre linings, which is where the majority of the cut resistance is derived.

## FOUR FACTORS THAT INFLUENCE CUT RESISTANCE OF A GLOVE

**1. Strength of the yarns** - hi tensile strength yarns are Kevlar® and Dyneema

**2. Harness (dulling)** - stainless steel woven into the yarn will increase its hardness

**3. Lubricity (Slickness)** - slippery yarns like Spectra and Dyneema will allow the blade to slide over its surface

**4. Rolling actions (Knit construction)** - most gloves will allow the yarns to roll as the sharp edge slides across without cutting the metal

The type of coating (nitrile, latex, pu, etc.) can affect the cut resistance as well. The more of these factors that can be engineered into a glove, the more cut resistant it will be.

# CUT RESISTANT GLOVES

## 352 Stealth Desert Storm

15gg Kevlar™/glass/Lycra seamless knit shell, ultra strong foam nitrile coating, treated with bacteria killing Actifresh®, snug-fitting wrist, CFIA approved

Size S–XXL

**EN388 4X31B**
**ANSI Cut A2 - F2992-15**
**534 Grams**

STEALTH

RATINGS | TECHNOLOGIES

ANSI 2 PUNCTURE | EN388 4X31B | ANSI A2 CUT | Sanitized Actifresh

## 353 Stealth Dynamo!

HPPE fibre seamless knit shell, *sure-grip* foam nitrile coating with textured finish, snug-fitting knit wrist, CFIA approved

Size S–XXL

**EN388 4342B**
**ANSI Cut A2 - F2992-15**
**761 Grams**

STEALTH

RATINGS | TECHNOLOGIES

EN388 4342B | ANSI A2 CUT | ANSI 3 PUNCTURE

UPDATED

## 353TPR Stealth Hellcat

13gg HPPE shell seamless knit shell, foam nitrile coating, TPR on back, fingers and thumb, extended snug-fitting seamless knit wrist

Size S–XXL

**EN388 4X42CP**
**ANSI Cut A3 - F2992-15**
**1194 Grams**

STEALTH

RATINGS | TECHNOLOGIES

ANSI / ISEA 138 2 | ANSI 3 PUNCTURE | EN388 4X42CP | ANSI A3 CUT

UPDATED

## 357 Stealth Dog Fight

HPPE/glass/steel/nylon shell, *"Be safe, be seen"* with *hi-vis* safety yellow, sandy nitrile coating, ergonomically formed, extended snug-fitting knit wrist

Size S–XXL

**EN388 4X42EX**
**ANSI Cut A5 - F2992-15**

STEALTH

RATINGS | TECHNOLOGIES

EN388 4X42EX | ANSI A5 CUT | ANSI 3 PUNCTURE

NEW

## 357TPR Stealth Dog Fight

HPPE/glass/steel/nylon shell, heavy duty TPR on fingers, thumb, knuckles, and back of hand, *hi-vis* sandy nitrile finish coating, extended snug-fitting seamless knit wrist

Size S–XXL

**EN388 4X42EP**
**ANSI Cut A5 - F2992-15**

STEALTH

RATINGS | TECHNOLOGIES

ANSI / ISEA 138 2 | ANSI 3 PUNCTURE | EN388 4X42EP | ANSI A5 CUT

## 359 Stealth Stinger

15gg fine gauge HPPE/nylon/glass/Lycra seamless knit shell, polyurethane coating, snug-fitting knit wrist

Size XS–XXL

**EN388 3X42B**
**ANSI Cut A2 - F2992-15**
**582 Grams**

STEALTH

RATINGS | TECHNOLOGIES

ANSI 3 PUNCTURE | EN388 3X42B | ANSI A2 CUT

NEW

## 360 Stealth Destroyer

13gg HPPE/steel/nylon fibre seamless knit shell, *sure-grip* sandy nitrile coating with textured finish, touchscreen compatible coating can be used on all touchscreen devices, reinforced thumb saddle, lightly padded palm, snug-fitting knit wrist

Size S–XXL

**EN388 4X44F**
**ANSI Cut A7 - F2992-15**

STEALTH

RATINGS | TECHNOLOGIES

EN388 4X44F | ANSI 5 PUNCTURE | Touch Screen Technology | ANSI A7 CUT

NEW

## 360TPR Stealth Destroyer

13gg HPPE/steel/nylon fibre seamless knit shell, *sure-grip* sandy nitrile coating, touchscreen compatible coating can be used on all touchscreen devices, lightly padded palm, rubber on back, knuckle bar and fingers, reinforced thumb saddle, snug-fitting knit wrist

Size S–XXL

**EN388 4X44FP**
**ANSI Cut A7 - F2992-15**

STEALTH

RATINGS | TECHNOLOGIES

ANSI / ISEA 138 2 | ANSI 5 PUNCTURE | EN388 4X44FP | ANSI A7 CUT | Touch Screen Technology



WATSON GLOVES® Quality since 1918

# CUT RESISTANT GLOVES

## 362 Stealth Hornet

18gg HPPE/nylon/glass/spandex seamless knit shell, foam nitrile coating, treated with bacteria killing Actifresh®, snug-fitting knit wrist

Size S–XXL

**EN388 4543C**
**ANSI Cut A4 - F2992-15**
**1680 Grams**

STEALTH

RATINGS | TECHNOLOGIES

ANSI 4 PUNCTURE | EN388 4543C | ANSI A4 CUT | Sanitized Actifresh

## 365 Stealth Cobra

18gg glass/nylon/HPPE/spandex shell, 2NFT (nitrile foam technology) with reinforced nitrile thumb saddle, conductive coating can be used on all touchscreen devices, treated with bacteria killing Actifresh™, snug-fitting knit wrist

Size XS–XXL

**EN388 4X31B**
**ANSI Cut A2 - F2992-15**

STEALTH

RATINGS | TECHNOLOGIES

ANSI 2 PUNCTURE | EN388 4X31B | ANSI A2 CUT | Touch Screen Technology | Sanitized Actifresh

## 367 Stealth Falcon

15gg glass/nylon/HPPE/spandex shell, 2NFT (nitrile foam technology) with nitrile thumb saddle, conductive coating can be used on all touchscreen devices, treated with bacteria killing Actifresh™, snug-fitting knit wrist

Size S–XXL

**EN388 4X42C**
**ANSI Cut A3 - F2992-15**

STEALTH

RATINGS | TECHNOLOGIES

ANSI 3 PUNCTURE | EN388 4X42C | ANSI A3 CUT | Touch Screen Technology | Sanitized Actifresh

## 369 Stealth Phantom

UPDATED

12 pack, 13gg HPPE/steel/glass seamless knit shell, lightweight polyurethane coated, snug-fitting seamless knit wrist

Size XS–XXL

*sold as pairs not unit

**EN388 4X43D**
**ANSI Cut A4 - F2992-15**
**2096 Grams**

STEALTH

RATINGS | TECHNOLOGIES

ANSI 4 PUNCTURE | EN388 4X43D | ANSI A4 CUT

## 384 Stealth Black Widow

NEW!

12 pack, 13gg HPPE/steel/glass/nylon/spandex seamless knit shell, lightweight polyurethane coated palm for a *sure-grip*, snug-fitting knit wrist

Size XS–XXL

*sold as pairs not unit

**EN388 4X43F**
**ANSI Cut A6 - F2992-15**

RATINGS | TECHNOLOGIES

ANSI 3 PUNCTURE | ANSI A6 CUT | EN388 4X42F

## 378 Stealth Scorpion

NEW

15gg HPPE/steel,nylon/spandex shell, lightweight polyurethane coated palm treated with Actifresh®, touchscreen compatible coating can be used on all touchscreen devices, snug-fitting knit wrist

Size S–XXL

**EN388 3X21E**
**ANSI Cut A5 - F2992-15**

RATINGS | TECHNOLOGIES

Touch Screen Technology | Sanitized Actifresh | ANSI 4 PUNCTURE | ANSI A5 CUT | EN388 4X43E

## 034ALY48 Gridlock



Ultimate needlestick, cut and puncture resistance, 4/8 Alycore configuration, heavy duty Titanfibre™ palm, palm patches, snug-fitting shirred elastic wrist, slip-on style cuff

034ALY24 - 2/4 Configuration

Size M–XL

GRIDLOCK

RATINGS | TECHNOLOGIES

ANSI A9 CUT | EN388 4543

## 407CR Storm

Dryhide™ oil resistant cowhide palm and back, stitched with Kevlar®, Cutshield™ liner made from P-aramid, steel and modacrylic fibres, snug-fitting shirred elastic wrist, 3" band cuff, proudly Canadian made

Size S–XXL

**407GCR gauntlet cuff**
**ANSI Cut A5 - F2992-15**

RATINGS | TECHNOLOGIES

ANSI A5 CUT | Dryhide | Kevlar

# CUT RESISTANT GLOVES

## 455 Triple Shot

ANSI A3 nylon/glass liner, *hi-vis* yellow fully coated PVC with sandy finish, proprietary rubber on back of hand, 30cm gauntlet style cuff

Size L–XXL

**EN374-3 - JKL/ 264**
**EN388 4332B**
**ANSI Cut A3**
**1270 Grams**

LIQUID COURAGE

RATINGS | TECHNOLOGIES

EN388 4332B | ANSI A3 CUT | EN374-3 JKL/264 | ANSI 3 PUNCTURE

## 547 Van Goat

Cutsheild™ P-aramid/polyester/glass liner, full-grain goatskin leather, drivers style with inset thumb, snug-fitting shirred elastic wrist, slip-on style cuff

Size M–XXL

**ANSI Cut A4 - F2992-15**
**EN388 3X22D**
**Arc Flash Level 3**
**2150 Grams**

RATINGS | TECHNOLOGIES

EN388 3X22D | ANSI A4 CUT | 3 ARC FLASH | ANSI 3 PUNCTURE

## 549 Van Goat

Cutsheild™ P-aramid/polyester/glass liner, full-grain goatskin leather, gunn cut, wing thumb, pulse protector, gauntlet style cuff

Size M–XXL

**ANSI Cut A4 - F2992-15**
**EN388 3X22D**
**2150 Grams**

RATINGS | TECHNOLOGIES

EN388 3X22D | ANSI A4 CUT | ANSI 3 PUNCTURE

NEW!

## 547TPR Van Goat

Cutshield™ P-aramid/steel/polyester liner, hard-wearing premium full-grain goatskin leather, flame resistant heavy duty rubber on back of hand, fingers and wrist, stitched with Kevlar® thread, drivers style with inset thumb, shirred elastic wrist

Size XS–XXXL

**ANSI Cut A5 - F2992-15**

RATINGS | TECHNOLOGIES

ANSI / ISEA 138 2 | EN388 3X34EP | ANSI 5 PUNCTURE | CUT RESISTANT | ANSI A5 CUT

NEW!

## 549TPR Van Goat

Cutshield™ P-aramid/steel/polyester liner, hard-wearing premium full-grain goatskin leather, flame resistant heavy duty rubber on back of hand, fingers and wrist, stitched with Kevlar® thread, gauntlet style cuff

Size XS–XXXL

**ANSI Cut A5 - F2992-15**

RATINGS | TECHNOLOGIES

ANSI / ISEA 138 2 | EN388 3X34EP | ANSI 5 PUNCTURE | CUT RESISTANT | ANSI A5 CUT

UPDATED!

## 911 Stealth Danger Zone

18gg Kevlar®/HPPE/steel/spandex shell, 2NFT (nitrile foam technology), treated with bacteria killing Actifresh™, snug-fitting elastic knit wrist

Size S–XXL

**EN388 4X42F**
**ANSI Cut A6 - F2992-15**

STEALTH

RATINGS | TECHNOLOGIES

ANSI 3 PUNCTURE | SanTized Antitech | EN388 4X42F | ANSI A6 CUT | KEVLAR

# Find Your Fit

Place your right palm on the size chart with your fingers closely together. Measure the width of your hand by aligning the knuckle of your index finger beside the red line. This is an approximate measurement; sizing can vary slightly from style to style.

| XXS | XS | S | M | L | XL | XXL |
|---|---|---|---|---|---|---|
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |

Extra Extra Small 5
Extra Small 6
Small 7
Medium 8
Large 9
Extra Large 10
Extra Extra Large 11
One Size OS



WATSON GLOVES Quality since 1918

# CUT RESISTANT GLOVES

NEW!

## 005TPC Flextime

Dryhide™ water-resistant full-grain goatskin leather palm, Cutshield™ ANSI A5 full-sock liner, heavy duty rubber on back of hand and fingertips, conductive fingertips can be used on all touchscreen devices, hooded fingertips and reinforced thumb, snug-fitting elastic wrist with secure Velcro® closure

Size S–XXL

RATINGS | TECHNOLOGIES

ANSI / ISEA 138: 3 | EN388: 3X33EP | ANSI: A5 CUT

UPDATED

## 1051 The Breakdown

Cutsheild™ Para-aramid/steel/polyester liner, Durafibre™ microfibre palm and hooded fingertips, silicone printed palm, PVC thumb saddle, heavy duty rubber, conductive fingertips and thumb can be used on all touchscreen devices, neoprene cuff with secure Velcro® closure

Size S–XXL

RATINGS | TECHNOLOGIES

ANSI / ISEA 138: 3 | ANSI: A5 CUT | EN388: 4X33EP

## 5785 Shock Trooper

Cutshield™ liner made from P-aramid, steel and modacrylic fibres, Dryhide™ water and oil resistant goatskin leather, D3O® iA components for enhanced impact protection, EVA padded palm and wrist patch, stitched with Kevlar® thread, snug-fitting shirred elastic wrist

**$0.50 per pair to donated to the Wounded Warriors Foundation**

Size XS–XXXL

RATINGS | TECHNOLOGIES

ANSI / ISEA 138: 3 | EN388: 2X43FP | ANSI: A7 CUT | D3O

## 5785G Shock Trooper

Cutshield™ liner made from P-aramid, steel and modacrylic fibres, Dryhide™ water and oil resistant goatskin leather, D3O® iA components for impact protection, EVA padded palm patch and pulse protector, stitched with Kevlar® thread, gauntlet style cuff

**$0.50 per pair to donated to the Wounded Warriors Foundation**

Size XS–XXXL

RATINGS | TECHNOLOGIES

ANSI / ISEA 138: 3 | EN388: 2X43FP | ANSI: A7 CUT | D3O

UPDATED

## 5782CR Storm Trooper

Full-grain deerskin leather back with Dryhide™ oil and water resistant cowhide leather palm, stitched with Kevlar®, impact protection heavy duty flame resistant rubber on back of hand and thumbs, Cut Shield™ ANSI A5 liner, snug-fitting shirred elastic wrist, "Be safe, be seen" with reflective strip on 3" band cuff

Size S–XXL

RATINGS | TECHNOLOGIES

ANSI / ISEA 138: 2 | EN388: 2X44EP | ANSI: 5 PUNCTURE

UPDATED!

## 5782GCR Storm Trooper

Full-grain deerskin leather back with Dryhide™ oil and water resistant cowhide leather palm, stitched with Kevlar® thread, flame resistant heavy duty rubber on fingers and knuckle bar, cut resistant Cut Shield™ ANSI A5 liner, shirred elastic wrist, 4.5" gauntlet style cuff, made in Canada

Size S–XXL

RATINGS | TECHNOLOGIES

ANSI / ISEA 138: 2 | EN388: 3X44EP | ANSI: 5 PUNCTURE

## 102WS Kevlar® Sleeve

Cut and flame resistant Kevlar® knit, 10" in length, 2 layer construction

**EN388 Cut Level 3 - F1790-97**

101WS 1 layer construction

RATINGS | TECHNOLOGIES

## 9390 Stealth Mach 5

Nylon/glass/acrylic shell with 7gg brushed seamless knit terry liner, 3/4 dipped, PVC coating, treated with bacteria killing Actifresh®, snug-fitting knit wrist

Size M–XXL

**EN388 3X42C**
**ANSI Cut A4 - F2992-15**

RATINGS | TECHNOLOGIES

EN388: 3X42C | ANSI: A4 CUT | EN511: 02X | ANSI: 3 PUNCTURE

# WINTER CUT RESISTANT GLOVES

NEW

## 9407CR Ice Storm

3M Thinsulate™ C100 lining, Dryhide™ water and oil resistant cowhide leather, stitched with Kevlar®, Cutshield™ liner made from P-aramid, steel and modacrylic fibres, snug-fitting shirred elastic wrist, 3" band cuff, proudly made in our local Burnaby, BC factory

Size S–XXL

RATINGS | TECHNOLOGIES

ANSI A5 CUT

NEW

## 9407GCR Ice Storm

3M Thinsulate™ C100 lining, Dryhide™ oil resistant cowhide palm and back, stitched with Kevlar, Cutshield™ liner made from P-aramid, steel and modacrylic fibres, gauntlet style cuff, proudly made in our local Burnaby, BC factory

Size S–XXL

RATINGS | TECHNOLOGIES

ANSI A5 CUT

## 95785 Shock Trooper

3M Thinsulate™ C40 palm and C100 back lining, Cutshield™ liner made from P-aramid, steel/glass and polyester fibres, Dryhide™ water and oil resistant goatskin leather, D3O® iA components, EVA padded palm and wrist patch, stitched with Kevlar® thread, snug-fitting shirred elastic wrist

Size XS–XXXL

RATINGS | TECHNOLOGIES

ANSI / ISEA 138 3

EN388 2X43FP

ANSI A7 CUT

D3O

## 95785G Shock Trooper

3M Thinsulate™ C40 palm and C100 back lining, Cutshield™ liner made from P-aramid, steel/glass and polyester fibres, Dryhide™ water and oil resistant goatskin leather, D3O® iA components, EVA padded palm and wrist patch, stitched with Kevlar® thread, gauntlet style cuff

Size XS–XXXL

RATINGS | TECHNOLOGIES

ANSI / ISEA 138 3

EN388 2X43FP

ANSI A7 CUT

D3O

NEW!

## 9547TPR Van Goat

3M Thinsulate™ C100 lining, Cutshield™ P-aramid/steel/polyester liner, premium full-grain goatskin leather, flame resistant heavy duty rubber on back of hand, fingers and wrist, stitched with Kevlar® thread, drivers style with inset thumb, shirred elastic wrist

Size XS–XXXL

RATINGS | TECHNOLOGIES

ANSI / ISEA 138 2

EN388 3X34EP

ANSI 5 PUNCTURE

ANSI A5 CUT

NEW!

## 9549TPR Van Goat

3M Thinsulate™ C100 lining, Cutshield™ P-aramid/steel/polyester liner, hard-wearing premium full-grain goatskin leather, flame resistant rubber on back of hand, fingers and wrist, stitched with Kevlar® thread, gauntlet style cuff

Size XS–XXXL

RATINGS | TECHNOLOGIES

ANSI / ISEA 138 2

EN388 3X34EP

ANSI 5 PUNCTURE

ANSI A5 CUT

UPDATED!

## 91051 The Breakdown

Cold MX™ 55 palm and 115 back of hand lining, Cutshield™ ANSI A5 liner, Durafibre™ microfiber palm and hooded fingertips, touchscreen conductive fingertips, silicone printed palm, spandex back, Hy+Dry barrier, rubber on back of hand, neoprene cuff with secure Velcro® closure

Size S–XXL

RATINGS | TECHNOLOGIES

ANSI / ISEA 138 3

ANSI A5 CUT

EN388 3X33EP

NEW

## 9361 Stealth Tiger Cat

15gg steel/ HPPE/nylon/polyester/ spandex shell, 10GG acrylic terry brushed liner, micro foam nitrile, treated with Actifresh®, snug-fitting knit wrist

Size S–XXL

**EN388 4X42F**

**ANSI Cut A6 - F2992-15**

RATINGS | TECHNOLOGIES

EN511 010

ANSI A6 CUT

EN388 4X42F

# WINTER CUT RESISTANT GLOVES

NEW!

## 9393 Stealth Black Ops

Acrylic lining, 15gg glass/nylon seamless knit shell, waterproof double dipped full dip flat latex/foam latex coating, snug-fitting knit wrist

Size S–XXL

**EN388 2X31C**
**ANSI Cut A3 - F2992-15**

STEALTH

RATINGS | TECHNOLOGIES

ANSI 2 PUNCTURE | EN511 X11 | ANSI A3 CUT | EN388 2X31C

NEW!

## 9398TPR Stealth Triple Threat

Acrylic lining, 15gg glass/nylon/steel seamless knit shell, waterproof double dipped 3/4 dip flat nitrile/foam nitrile coating, heavy duty TPR on back of hand, snug-fitting knit wrist

Size S–XXL

**EN388 4X42EP**
**ANSI Cut A5 - F2992-15**

STEALTH

RATINGS | TECHNOLOGIES

ANSI / ISEA 138 2 | EN511 X11 | ANSI A5 CUT | EN388 4X42EP

NEW!

## 9456 Hammered

Acrylic lining, 13gg Aramid/steel/ nylon cut resistant liner, "Be safe, be seen" with *hi-vis* orange PVC coating, sandy finish, heavy duty TPR on back of hand, 30cm gauntlet style cuff

Size M–XL

**ANSI Cut A5 - F2992-15**
**EN374-1:2016 - AKLOPT**
**EN388 4X42EP**

RATINGS | TECHNOLOGIES

ANSI / ISEA 138 2 | EN388 3X43EP | ANSI A5 CUT | EN374-1:2016 AKLOPT - TYPE A | EN511 X11

NEW!

## 9547 Van Goat

3M Thinsulate™ C100 lining, Cut-sheild™ P-aramid/polyester/steel liner, full-grain goatskin leather, drivers style with inset thumb, snug-fitting shirred elastic wrist, slip-on style cuff

Size S–XXL

**ANSI Cut A5 - F2992-15**

RATINGS | TECHNOLOGIES

ANSI A5 CUT

# CUT RESISTANT CHART

| | 352 Stealth Desert Storm | 353 Stealth Dynamo! | 359 Stealth Stinger | 365 Stealth Cobra | 353TPR Stealth Hellcat | 367 Stealth Falcon |
|---|---|---|---|---|---|---|
| N/A<br>NOT RECOMMENDED<br>FAIR<br>GOOD<br>EXCELLENT<br>EXTREME |  |  |  |  |  |  |
| RESISTANCE AGAINST BLADE CUTS | | | | | | |
| RESISTANCE AGAINST ROUGH EDGES | | | | | | |
| NEEDLEPOINT PUNCTURE RESISTANCE* | | | | | | |
| DEXTERITY | | | | | | |
| FLEXIBILITY | | | | | | |
| COMFORT | | | | | | |
| RESISTANCE TO ABRASION (EN 388) | 4 | 4 | 3 | 4 | 4 | 4 |
| RESISTANCE TO CUT (EN 388) | 4 | 3 | X | X | X | X |
| RESISTANCE TO TEAR (EN 388) | 3 | 4 | 4 | 3 | 4 | 4 |
| RESISTANCE TO PUNCTURE (EN 388) | 1 | 2 | 2 | 1 | 2 | 2 |
| ISO 13997 CUT RATING (EN 388) | B† | B† | B | B | C | C |
| RESISTANCE TO IMPACT (EN 388) | | | | | P | |
| ANSI / ISEA 138 IMPACT RATING | | | | | 2 | |
| 2016 ANSI CUT RATING (F2992M-15) | A2 (534G) | A2 (761G) | A2 (582G) | A2 (738G) | A3 (1194G) | A3 (1064G) |
| ANSI PUNCTURE RATING | 2 | 3 | 3 | 2 | 3 | 3 |
| ARC FLASH RATING | | | | | | |
| FEATURES AND BENEFITS OF THE GRIP — DRY | | | | | | |
| FEATURES AND BENEFITS OF THE GRIP — OILY | | | | | | |
| FEATURES AND BENEFITS OF THE GRIP — WET | | | | | | |
| RECOMMENDED APPLICATIONS | • Automotive<br>• Construction<br>• Material handling<br>• Engineering<br>• Assembly<br>• Inspection/ Examination<br>• Moderate cool temperatures where protection is still needed | • Automotive<br>• Construction<br>• Material handling<br>• Engineering<br>• Assembly<br>• Inspection/ Examination<br>• Moderate cool temp. where protection is still needed | • Detailed assembly<br>• Inspection<br>• Light fabrication and smal parts handling<br>• General purpose | • Automotive<br>• Construction<br>• Material handling<br>• Engineering<br>• Assembly<br>• Inspection/ Examination<br>• Moderate cool temperatures where protection is still needed | • Automotive<br>• Construction<br>• Material handling<br>• Engineering<br>• Assembly<br>• Inspection/ Examination<br>• Moderate cool temperatures where protection is still needed | • Material handling<br>• Cargo loading /unloading<br>• Oil & gas<br>• Drilling<br>• Mining<br>• Demolition<br>• Heavy construction<br>• Mechanics |



WATSON GLOVES Quality since 1918

# CUT RESISTANT CHART

| 9393 Black Ops | 455 Triple Shot | 362 Stealth Hornet | 369 Stealth Phantom | 9390 Stealth Mach 5 | 407CR Storm 9407CR Lined Version | 407GCR Storm 9407GCR Lined Version |
|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| 2 | 4 | 4 | 4 | 4 | | |
| X | X | 5 | X | 5 | | |
| 3 | 3 | 4 | 4 | 4 | | |
| 1 | 2 | 3 | 3 | 2 | | |
| C | B | C† | D | C† | | |
| | P | | | | | |
| | | | | | | |
| A3 | A3 (1270G) | A4 (1680G) | A4 (2096G) | A4 (1605g) | A5 | A5 |
| 2 | 3 | 4 | 4 | 3 | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| • Material handling<br>• Cargo loading /unloading<br>• Oil & gas<br>• Drilling<br>• Mining<br>• Demolition<br>• Heavy construction<br>• Mechanics | • Mining<br>• Glass Industry<br>• Sheet Metal Handling<br>• Handling Oils, detergents, alcohol<br>• Agriculture<br>• Paper & pulp mills | • Building and construction<br>• Sheet metal handling<br>• Glass industry<br>• Automotive<br>• Material handling<br>• Engineering<br>• Assembly / inspection | • Heavy construction<br>• Metal handling<br>• Glass handling<br>• Transportation vehicle maintenance<br>• Anywhere there is a risk for cut | • Automotive<br>• Construction<br>• Material handling<br>• Engineering<br>• Assembly<br>• Inspection/ Examination<br>• Cold temp. | • Heavy construction<br>• Mining<br>• Demolition | • Heavy construction<br>• Mining<br>• Demolition |

# CUT RESISTANT CHART

| | 547 Van Goat | 549 Van Goat 9549 Lined Version | 5782CR Storm Trooper | 5782GCR Storm Trooper | 005TPC Flextime | 357 Stealth Dog Fight |
|---|---|---|---|---|---|---|
| N/A<br>NOT RECOMMENDED<br>FAIR<br>GOOD<br>EXCELLENT<br>EXTREME |  |  |  |  |  |  |
| RESISTANCE AGAINST BLADE CUTS | | | | | | |
| RESISTANCE AGAINST ROUGH EDGES | | | | | | |
| NEEDLEPOINT PUNCTURE RESISTANCE* | | | | | | |
| DEXTERITY | | | | | | |
| FLEXIBILITY | | | | | | |
| COMFORT | | | | | | |
| RESISTANCE TO ABRASION (EN 388) | 3 | 3 | 2 | 2 | 3 | 4 |
| RESISTANCE TO CUT (EN 388) | 5 | 5 | X | X | X | X |
| RESISTANCE TO TEAR (EN 388) | 2 | 2 | 4 | 4 | 3 | 4 |
| RESISTANCE TO PUNCTURE (EN 388) | 2 | 2 | 4 | 4 | 3 | 2 |
| ISO 13997 CUT RATING (EN 388) | D | D | E | E | E | E |
| RESISTANCE TO IMPACT (EN 388) | | | P | P | P | |
| ANSI IMPACT RATING | | | 2 | 2 | 3 | |
| 2016 ANSI CUT RATING (F2992M-15) | A4 (2150G) | A4 (2150G) | A5 | A5 | A5 | A5 |
| ANSI PUNCTURE RATING | 3 | 3 | 5 | 5 | 4 | 3 |
| ARC FLASH RATING | 3*** | | | | | |
| FEATURES AND BENEFITS OF THE GRIP — DRY | | | | | | |
| FEATURES AND BENEFITS OF THE GRIP — OILY | | | | | | |
| FEATURES AND BENEFITS OF THE GRIP — WET | | | | | | |
| RECOMMENDED APPLICATIONS | • Sheet metal handling<br>• Cargo loading /unloading<br>• Forestry<br>• Mining<br>• Demolition<br>• Construction | • Utilities<br>• Barbed Wire<br>• Welding<br>• Steel factories<br>• Sheet Metal handling | • Oil and Gas<br>• Heavy construction<br>• Mining<br>• Demolition | • Oil and Gas<br>• Heavy construction<br>• Mining<br>• Demolition | • Heavy construction<br>• Metal handling<br>• Glass handling<br>• Transportation vehicle maintenance | • Building and construction<br>• Sheet metal handling<br>• Glass industry<br>• Automotive<br>• Material handling<br>• Engineering<br>• Assembly / inspection |

*25 Gauge Hypodermic Needle tested in accordance with ASTM F2878-10



WATSON GLOVES Quality since 1918

# CUT RESISTANT CHART

| 357TPR Stealth Dog Fight | 378 Stealth Scorpion | 9398TPR Triple Threat | 547TPR Van Goat | 549TPR Van Goat | 9547TPR Van Goat | 9549TPR Van Goat |
|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| 4 | 3 | 4 | 3 | 3 | 3 | 3 |
| X | X | X | X | X | X | X |
| 4 | 2 | 4 | 3 | 3 | 3 | 3 |
| 2 | 1 | 3 | 4 | 4 | 4 | 4 |
| E | E | E | E | E | E | E |
| P | | P | P | P | P | P |
| 2 | | 2 | 2 | 2 | 2 | 2 |
| A5 | A5 | A5 | A5 | A5 | A5 | A5 |
| 3 | 1 | 3 | 5 | 5 | 5 | 5 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| • Building and construction<br>• Sheet metal handling<br>• Glass industry<br>• Automotive<br>• Material handling<br>• Engineering<br>• Assembly / inspection | • Building and construction<br>• Sheet metal handling<br>• Glass industry<br>• Automotive<br>• Material handling<br>• Engineering<br>• Assembly / inspection | • Building and construction<br>• Sheet metal handling<br>• Glass industry<br>• Automotive<br>• Material handling<br>• Engineering<br>• Assembly / inspection | • Heavy construction<br>• Metal handling<br>• Glass handling<br>• Transportation vehicle maintenance<br>• Anywhere there is a risk for cut | • Heavy construction<br>• Metal handling<br>• Glass handling<br>• Transportation vehicle maintenance<br>• Anywhere there is a risk for cut | • Heavy construction<br>• Metal handling<br>• Glass handling<br>• Transportation vehicle maintenance<br>• Anywhere there is a risk for cut | • Heavy construction<br>• Metal handling<br>• Glass handling<br>• Transportation vehicle maintenance<br>• Anywhere there is a risk for cut |

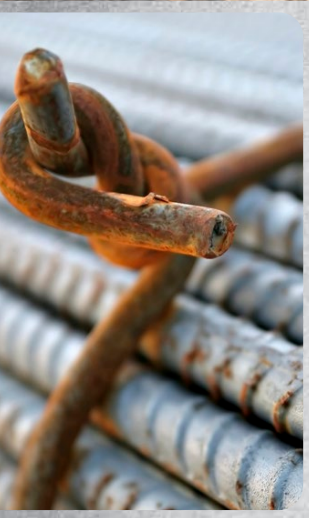
*** ATPV = 36CAL/CM2 † ISO 13997 cut rating is converted from ASTM F2992-15 cut rating *25 Gauge Hypodermic Needle tested in accordance with ASTM F2878-10

# CUT RESISTANT CHART

| | | 9547 Van goat | 9456 Hammered | 1051 The Breakdown 91051 Lined Version | 384 Stealth Black Widow | 911 Stealth Danger Zone | 9361 Stealth Tiger Cat |
|---|---|---|---|---|---|---|---|
| N/A | | | | | | | |
| NOT RECOMMENDED | | | | | | | |
| FAIR | | | | | | | |
| GOOD | | | | | | | |
| EXCELLENT | | | | | | | |
| EXTREME | | | | | | | |
| | |  |  |  |  |  |  |
| RESISTANCE AGAINST BLADE CUTS | | | | | | | |
| RESISTANCE AGAINST ROUGH EDGES | | | | | | | |
| NEEDLEPOINT PUNCTURE RESISTANCE* | | | | | | | |
| DEXTERITY | | | | | | | |
| FLEXIBILITY | | | | | | | |
| COMFORT | | | | | | | |
| RESISTANCE TO ABRASION (EN 388) | | | 4 | 4 | 4 | 4 | 4 |
| RESISTANCE TO CUT (EN 388) | | | X | X | X | X | X |
| RESISTANCE TO TEAR (EN 388) | | | 4 | 3 | 4 | 4 | 4 |
| RESISTANCE TO PUNCTURE (EN 388) | | | 2 | 3 | 3 | 2 | 2 |
| ISO 13997 CUT RATING (EN 388) | | | E | E | F | F | F |
| RESISTANCE TO IMPACT (EN 388) | | | P | P | | | |
| ANSI IMPACT RATING | | | 2 | 3 | | | |
| 2016 ANSI CUT RATING (F2992M-15) | | A5 | A5 | A5 | A6 | A6 | A6(3891G) |
| ANSI PUNCTURE RATING | | | | 4 | 4 | 3 | 4 |
| ARC FLASH RATING | | | | | | | |
| FEATURES AND BENEFITS OF THE GRIP | DRY | | | | | | |
| | OILY | | | | | | |
| | WET | | | | | | |
| RECOMMENDED APPLICATIONS | | • Heavy construction<br>• Metal handling<br>• Glass handling<br>• Transportation vehicle maintenance<br>• Anywhere there is a risk for cut | • Mining<br>• Glass Industry<br>• Sheet Metal Handling<br>• Handling Oils, detergents, alcohol<br>• Agriculture<br>• Paper & pulp mills | • Heavy construction<br>• Metal handling<br>• Glass handling<br>• Transportation vehicle maintenance<br>• Anywhere there is a risk for cut | • Heavy construction<br>• Metal handling<br>• Glass handling<br>• Transportation vehicle maintenance<br>• Anywhere there is a risk for cut | • Building and construction<br>• Sheet metal handling<br>• Glass industry<br>• Automotive<br>• Material handling<br>• Engineering<br>• Assembly / inspection | • Heavy construction<br>• Metal handling<br>• Glass handling<br>• Transportation vehicle maintenance<br>• Anywhere there is a risk for cut |

# CUT RESISTANT CHART

| | | 360 Stealth Destroyer | 360TPR Stealth Destroyer | 5785 Shock Trooper | 5785G Shock Trooper | 034ALY48 Gridlock |
|---|---|---|---|---|---|---|
| N/A | | | | | | |
| NOT RECOMMENDED | |  |  |  |  |  |
| FAIR | | | | | | |
| GOOD | | | | | | |
| EXCELLENT | | | | | | |
| EXTREME | | | | | | |
| RESISTANCE AGAINST BLADE CUTS | | | | | | |
| RESISTANCE AGAINST ROUGH EDGES | | | | | | |
| NEEDLEPOINT PUNCTURE RESISTANCE* | | | | | | (F)8.7N (P)12.8N |
| DEXTERITY | | | | | | |
| FLEXIBILITY | | | | | | |
| COMFORT | | | | | | |
| RESISTANCE TO ABRASION (EN 388) | | 4 | 4 | 2 | 2 | 4 |
| RESISTANCE TO CUT (EN 388) | | X | X | X | X | 5 |
| RESISTANCE TO TEAR (EN 388) | | 4 | 4 | 4 | 4 | 4 |
| RESISTANCE TO PUNCTURE (EN 388) | | 4 | 4 | 3 | 3 | 3 |
| ISO 13997 CUT RATING (EN 388) | | F | F | F | F | F |
| RESISTANCE TO IMPACT (EN 388) | | | P | P | P | |
| ANSI IMPACT RATING | | | 2 | 3 | 3 | |
| 2016 ANSI CUT RATING (F2992M-15) | | A7 (4437G) | A7 (4437G) | A7(4622G) | A7(4622G) | A9 (8800G PALM) |
| ANSI PUNCTURE RATING | | 5 | 5 | 4 | 4 | 4 |
| ARC FLASH RATING | | | | | | |
| FEATURES AND BENEFITS OF THE GRIP | DRY | | | | | |
| | OILY | | | | | |
| | WET | | | | | |
| RECOMMENDED APPLICATIONS | | • Building and construction<br>• Sheet metal handling<br>• Glass industry<br>• Automotive<br>• Material handling<br>• Engineering<br>• Assembly / inspection | • Building and construction<br>• Sheet metal handling<br>• Glass industry<br>• Automotive<br>• Material handling<br>• Engineering<br>• Assembly / inspection | • Oil and Gas<br>• Heavy construction<br>• Mining<br>• Demolition | • Oil and Gas<br>• Heavy construction<br>• Mining<br>• Demolition | • Waste management<br>• Heavy construction<br>• Metal handling<br>• Glass handling<br>• Anywhere cut & needlestick resistance is required |



WATSON GLOVES®
*Quality since 1918*

# Our Story

## Watson in a Nutshell

With a century of experience, Watson Gloves is Canada's single source for hand protection at work, at home, at play. Our team of glove specialists gets tremendous satisfaction from working with our customers to find the perfect hand protection for just about any task imaginable. Whether we source our gloves from the world's finest manufacturers, or hand-craft them in our local factory, every pair of gloves we sell has been selected for top-of-the-line materials, design and craftsmanship. Try on a pair of Watson gloves. Your hands will thank you!

## 2 Man Show to International Operation

In April 1918, John Watson and Wayne Stanley started a small business selling hand-crafted gloves to Vancouver's dock workers. Today, 102 years later, Watson Gloves has grown across Canada. We are among the country's leaders of distributing hand protection; offering the widest range of quality gloves for work, home and play.

How did we get here? We have stayed true to our founders' belief that quality materials and above-and-beyond customer service go hand-in-glove. We still make gloves. In fact, our artisans – with an average 20 years' experience – put the same level of dedication and craftsmanship into every pair of gloves we make, as did our founders.

Perhaps more importantly, we have expanded our horizons to keep up with our customers' changing needs. Our talented buyers travel the world over in search of the most innovative materials and designs so that we can offer the best gloves for any task: at work, at home, at play. From bustling cities to remote corners of our country and countries across the Atlantic, our team of sales reps and efficient distribution system make it easy to protect the hands of our customers.

At Watson Gloves, we do one thing, and we do it extremely well: we are the glove experts. Mr. Watson and Mr. Stanley would be proud to know that, even as we continue to grow, we continue to earn our reputation as Canada's single source for hand protection.

## Our Commitment

At Watson Gloves, quality materials and above-and-beyond customer service go hand-in-glove. You can count on Watson for:

*Quality* Every pair of gloves we sell has been hand-selected for top-of-the-line materials, design, and craftsmanship.

*Service with a Smile* Our experienced team of specialists is committed to our customers' complete satisfaction with each and every pair of Watson gloves purchased.

*Innovation* We commit to staying one step ahead of our customers; anticipating their needs and bringing the most advanced gloves for just about any job imaginable.

*Watson Gloves 1920's*

# Contact Us

**Head Office - Burnaby**
T 800.663.9509
F 604.875.9009
sales@watsongloves.com

**Mississauga**
T 888.715.4299
F 905.363.0730
toronto@watsongloves.com

**Calgary**
T 800.363.7462
F 403.236.7919
calgary@watsongloves.com