

WELDING GUIDE VOL. 21

HEAVY
METAL



WHAT GOES INTO OUR GLOVES

Designs

Gunn Cut	This durable design provides better wear and comfort, especially for heavier gloves. This is the standard construction for leather gloves, featuring the benefits of a single piece seamless back and the finer seams set further away from the working area of the palm.
Clute Cut	This comfortable glove style keeps the palm free of stitching. The palm and all four fingers are cut from one piece of leather and on the back side, each finger is a separate piece of leather.
Wing Thumb	The angled construction allows good flexibility with no seams on the palm side to obstruct work or cause fatigue.
Straight Thumb	A glove thumb that normally lies straight with the index finger.
Welted Seams	A thin piece of leather sewn into the seam to strengthen it and protect from sparks. Often a welt is used in the seam at the crotch of the thumb and the base of the fingers.
Kevlar®	Kevlar® is five times stronger than steel, yet, it is lightweight, flexible and comfortable. It is resistant to chemicals, heat, flames, cuts and breaking. Kevlar® thread is used in many of the Watson glove styles.
Gauntlet	A longer cuff to protect the forearms. Standard length is 5".
Leather Gore	Triangular piece of leather added to gauntlet cuffs to accommodate covering clothing.
Thumb Strap	Leather reinforcement added to the thumb crotch area of the glove to protect this critical wear area.
Pulse Protector	Leather reinforcement added for protection to the inside wrist area of the glove.

Leather

Elk Hide	A superior strength leather, durable and tough, yet supple. This leather maintains its softness after drying.
Deerskin	This highly flexible leather is soft, but strong. It is regarded as the best leather for gloves in industries where dexterity is important, such as arc and TIG welding.
Goatskin	This premium leather is hard wearing, durable and supple because of the natural lanolin produced by goats. It is highly recommended for applications requiring tactile sensitivity with light to medium protective needs.
Cowhide	This leather strikes a good balance of durability, dexterity, abrasion resistance, and comfort. It can have a smooth or rough finish.
Full-grain	The outer, smooth surface of the hide. Provides a superior wear resistance compared to split leather.
Split-grain	Suede layer cut from meat side of thicker skins, a consistently durable grade leather.
Re-tan	The process of tanning a second time to create a stiff, durable leather.
Aluminized	A thin film of aluminum is bonded to the leather giving it a heat reflective quality.

Linings

3M Thinsulate™	Designed by 3M, Thinsulate™ is regarded as state of the art technology in insulation. The fibres are fine, making them ideal for trapping insulating air and reflecting back the body's radiant heat. Thinsulate™ insulation provides more warmth with less bulk.
Foam	Polyurethane foam core with a cotton fleece overlay, provides moderate quick drying and comfortable insulation.
Fleece	A lightweight 100% cotton, combed to provide insulation and excellent dexterity.

HEAVY METAL



126 Pipeliner®

Heat treated split cowhide leather, clute cut design with straight thumb, leather reinforced thumb saddle and left hand back patch, stitched with Kevlar® thread, gauntlet style cuff with leather gore, unlined, made in Canada
Size 8–13



HEAVY METAL

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263AW What the Buck

Split deerskin leather, clute cut design with straight thumb, leather reinforced thumb saddle, stitched with Kevlar® thread, gauntlet style cuff with leather gore, unlined, made in Canada
Size 7–13



HEAVY METAL

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525 Buckweld

Split elk hide, clute cut design with straight thumb, leather reinforced thumb saddle and left hand back patch, stitched with Kevlar® thread, gauntlet style cuff with leather gore, unlined, made in Canada
Size 8–14
525CR - ANSI A5 cut resistant liner
9525T - 3M Thinsulate™ C100 lining
9525W - Wool lining
9525 - Cotton fleece lining



HEAVY METAL

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ANSI/ISEA 105



525A Aluminized Welder

Split elk hide leather, heat protective aluminized cowhide back patch, clute cut design with straight thumb, leather reinforced thumb saddle, stitched with Kevlar® thread, gauntlet style cuff with leather gore, unlined, made in Canada
Size 9–13



HEAVY METAL

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526AW Dr. Feel Good

Full-grain reverse elk hide leather, clute cut design with straight thumb, leather reinforced thumb saddle and left hand back patch, stitched with Kevlar® thread, gauntlet style cuff with leather gore, unlined, made in Canada
Size 8–13



HEAVY METAL

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CONDUCTIVE



527 Steel Panther

Elk split leather palm and back, stitched with Kevlar® thread, fully wrapped leather index finger, vibration dampening gel padded palm, snug-fitting shirred elastic wrist with 4.5" gauntlet style cuff with leather gore, proudly made in our local Burnaby, BC factory
Size S–XXL
527CR - ANSI A5 cut resistant liner
9527T - 3M Thinsulate™ C100 lining
9527W - Wool lining



HEAVY METAL

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531 Iron Maiden

Durable elksplit leather back and palm, stitched with Kevlar®, elksplit leather inset thumb and pulse protector, cowsplit patch on back of hand for additional heat protection, 5 1/2" gauntlet style cuff with leather gore, snug-fitting shirred elastic wrist, proudly made in our local Burnaby, BC factory, made for a woman's hand
Size S–M



HEAVY METAL

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533 Black Velvet

Durable elksplit leather back with full-grain reverse palm, stitched with Kevlar®, cotton fleece lined back of hand, left hand leather back patch and pulse protector, gauntlet style cuff with leather gore and snug-fitting shirred elastic wrist, proudly made in our local Burnaby, BC factory
Size S–XXL
533CR - ANSI A5 cut resistant liner/ANSI HEAT 2
9533T - 3M Thinsulate™ C100 lining
9533W - Wool lining



HEAVY METAL

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ANSI/ISEA 105



ANSI HEAT 1



CONDUCTIVE



HEAVY METAL



535 Buckweld

Split elk hide, One-finger mitt design with straight thumb, left hand back patch & thumb strap reinforcement, stitched with Kevlar® thread, gauntlet style cuff with leather gore, made in Canada

Size 9-13

HEAVY METAL

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285 Buck-Tex

Split elk hide leather, gunn cut design with straight thumb, leather reinforced thumb saddle and left hand back patch, stitched with Kevlar® thread, gauntlet style cuff with leather gore, unlined, made in Canada

Size 9-12
**Special order only*

HEAVY METAL

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1034 Wopper

Lightweight split cowhide leather palm, split cowhide and cotton fleece lined back, gunn cut design with wing thumb, 1.5" leather band seam protector, welted seams, stitched with Kevlar® thread, gauntlet style cuff with leather gore, made in Canada

Size 10-13

1034T - 3M Thinsulate™ C100 lining

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1034A Aluminized Welder

Split cowhide leather, heat protective aluminized cowhide back, cotton fleece lined back, gunn cut design with wing thumb, 1.5" aluminized band seam protector, welted seams, stitched with Kevlar® thread, gauntlet style cuff with leather gore, made in Canada

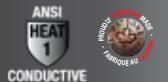
Size 9-13

**Special order only*

1034AT - 3M Thinsulate™ C100 lining

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1039 Meltdown

Elksplit leather back and palm stitched with Kevlar®, cotton fleece lined back of hand, green heat treated cow split leather palm patches and pulse protector, wing thumb, extended gauntlet style cuff with wool lining, proudly made in our local Burnaby, BC factory

Size S-XXL

1039CR Cutshield™ ANSI level A5

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2735 Mad Cow

Reversed-grain cowhide leather, clute cut design with straight thumb, back patch, leather reinforced thumb saddle and pulse protector, stitched with Kevlar® thread, gauntlet style cuff with leather gore, unlined

Size M-XL

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2752 Yellow Tail

Full-grain deerskin leather palm, split cowhide back, foam lined back, gunn cut design with wing thumb, reinforced welted seams, stitched with Kevlar® thread, gauntlet style cuff

Size S-XL

HEAVY METAL

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2753 Backhander

Reverse deerskin leather palm and back stitched with Kevlar® thread, clute cut design with straight thumb, cowsplit back patch on both hands and reinforced thumb saddle, 5.5" gauntlet style cuff with leather gore

Size S-XXL

ANSI HEAT 2 CONDUCTIVE

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2754 The Hacker

Split cowhide leather, cotton fleece lined palm, gunn cut design with wing thumb, gauntlet style cuff
Size OS

HEAVY METAL

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2755 Tigger

Split deerskin leather, clute cut design with straight thumb, leather reinforced thumb saddle and pulse protector, stitched with Kevlar® thread, gauntlet style cuff with leather gore, unlined
Size S–XL

HEAVY METAL

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2756 Pipeliner®

Split cowhide leather, cotton fleece lining, gunn cut design with wing thumb, reinforced welted seams, gauntlet style cuff
Size OS

HEAVY METAL

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2757 Fabulous Fabricator

Full-grain cowhide leather palm and index finger, cotton fleece lined palm, split cowhide back, stitched with Kevlar® thread, gunn cut design with wing thumb, pulse protector reinforcement, gauntlet style cuff
Size S–XL

HEAVY METAL

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2757W Fabulous Fabricator

Full-grain cowhide leather palm and index finger, cotton fleece lined palm, split cowhide back, stitched with Kevlar® thread, gunn cut design with wing thumb, pulse protector reinforcement, gauntlet style cuff, *made for a woman's hand*
Size S–XL

HEAVY METAL

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2758 Ram Tough

Full-grain goatskin leather palm, split cowhide back, gunn cut design with wing thumb, leather reinforced pulse protector, stitched with Kevlar® thread, gauntlet style cuff with leather gore, unlined
Size M–XL

HEAVY METAL

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2759 Blue Steel

Split cowhide leather, cotton fleece lining, gunn cut design with wing thumb, reinforced welted seams, gauntlet style cuff
Size OS

HEAVY METAL

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2761 Cow Town

Premium split cowhide leather, full cotton fleece lining with foam lined back, gunn cut design with wing thumb, 1.5" leather band seam protector, reinforced welted seams, stitched with Kevlar® thread, gauntlet style cuff with leather gore
Size S–XL

HEAVY METAL

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HEAVY METAL



2775 Sexy Back

Full-grain cowhide leather, foam lined back, gunn cut design with straight thumb, leather reinforced thumb saddle and pulse protector, welted seams, gauntlet style cuff
Size S-XL



RATINGS |
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EN388



2143



2780 Thrasher

Split cowhide leather stitched with Kevlar®, Cutshield™ P-aramid/steel/polyester liner, full-grain leather index finger and inset thumb, gauntlet style cuff with shirred elastic wrist
Size S-XXL



RATINGS |
TECHNOLOGIES

ANSI/ISEA 105



EN388



4X44E

ANSI



CONDUCTIVE



2782 Fired Up

Split cowhide leather stitched with Kevlar® thread, Cutshield™ P-aramid/steel/polyester liner, full-grain leather palm, inset thumb and fingertips, gauntlet style cuff with shirred elastic wrist, *made for a woman's hand*
Size S-M



RATINGS |
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ANSI/ISEA 105



9238 Fire Brand

Split cowhide leather, cotton fleece lining, gunn cut design with wing thumb, reinforced welted seams, stitched with Kevlar® thread, gauntlet style cuff
Size OS



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TECHNOLOGIES



CONDUCTIVE



9238W Fire Brand

Split cowhide leather, cotton fleece lining, gunn cut design with wing thumb, reinforced welted seams, stitched with Kevlar® thread, gauntlet style cuff, *made for a woman's hand*
Size OS



RATINGS |
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CONDUCTIVE



9486T Winter Welding Series

3M Thinsulate™ C100 lining, full-grain cowhide leather, gunn cut design with straight thumb, pulse protector and thumb strap reinforcement, stitched with Kevlar® thread, gauntlet style cuff with leather gore, made in Canada
Size 9-13



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CONDUCTIVE

Proudly
CANADIAN MADE
gloves



Women's WELDERS

2782 FIRED UP

- Split cowhide leather stitched with Kevlar® for strength and durability
- Cutshield™ P-aramid/steel/polyester liner for superior cut protection

ANSI

A5

CUT



ANSI
HEAT
2
CONDUCTIVE

9238W FIRE BRAND

- Cotton fleece lining provides extra layer of protection
- Split-grain cowhide leather stitched with Kevlar® thread offers excellent strength and durability



2757W FABULOUS FABRICATOR

- Smooth full-grain cowhide leather palm and split cowhide leather back for strength and durability
- Cotton fleece lined palm offers added protection in heat related applications

**HEAVY
METAL**

**WATSON
GLOVES**
Quality since 1918
WATSONGLOVES.COM




9547 Van Goat
 3M Thinsulate™ C100 lining with an additional layer of microfleece, Cutsheild™ P-aramid/polyester/steel liner, Dryhide™ water and oil resistant full-grain goatskin leather, drivers style with inset thumb, snug-fitting shirred elastic wrist, slip-on style cuff
 Size XXS-XXL
 ANSI Cut A7 - F2992-15




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9549 Van Goat
 3M Thinsulate™ C100 lining with an additional layer of microfleece, Cutsheild™ P-aramid/polyester/steel liner, Dryhide™ water and oil resistant full-grain goatskin leather, classic gunn cut with wing thumb, welted seams and pulse protector, snug-fitting shirred elastic wrist, gauntlet style cuff with leather gore
 Size M-XXL




RATINGS | TECHNOLOGIES







547 Van Goat
 Cutsheild™ P-aramid/polyester/glass liner, Dryhide™ water and oil resistant full-grain goatskin leather, drivers style with inset thumb, snug-fitting shirred elastic wrist, slip-on style cuff
 Size XXS-XXL




RATINGS | TECHNOLOGIES








549 Van Goat
 Cutsheild™ Para-aramid/steel/polyester liner, Dryhide™ water and oil resistant full-grain goatskin leather, gunn cut, wing thumb, pulse protector, gauntlet style cuff
 Size M-XXL




RATINGS | TECHNOLOGIES








546G Scape Goat
 Hard-wearing full-grain goatskin leather offers exceptional strength and dexterity, classic gunn cut with inset thumb, gauntlet style cuff, snug-fitting shirred elastic wrist
 Size S-XXL




RATINGS | TECHNOLOGIES






9545G Scape Goat
 3M Recycled Thinsulate™ EC100 lining is made with 78% post consumer recycled materials, full-grain goatskin leather, gauntlet style cuff with leather gore, snug-fitting shirred elastic wrist
 Size S-XXL
**0.6 - 500mL recycled plastic bottle is used to make one pair of gloves*




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**OIL
RESISTANT**



**FLAME
RESISTANT**



**IMPACT
RESISTANT**



**WATER
RESISTANT**



**CUT
RESISTANT**



WOMEN'S

A GUIDE TO CONDUCTIVE HEAT RESISTANCE

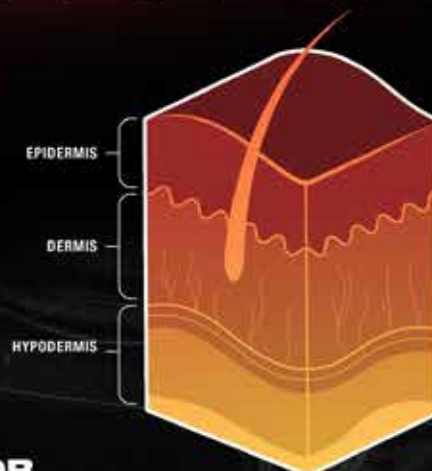
ANSI/ISEA 105-2016 is the North American classification and testing of hand protection for specific performance properties related to mechanical protection (cut, puncture, and abrasion resistance), chemical protection (permeation and degradation resistance), heat protection (ignition, heat degradation, and conductive heat resistance), vibration resistance, and dexterity.

ASTM F1060-08 is the test method used to test conductive heat resistance in gloves and PPE.

LEVELS OF BURN

Workplace burns can happen if you're not wearing the right heat resistant gloves. Burns are categorized under three levels. The higher the numerical level, the worse the burn.

- 1st degree burn – this burn affects the outer layer of skin, the epidermis. Redness, swelling, and minor inflammation can occur
- 2nd degree burn – this burn affects the outer and middle layers of skin, the epidermis and dermis. Redness, swelling, and blistering can occur
- 3rd degree burn – this burn affects the deeper layers of skin. The skin can become blackened and charred, and it may become numb



STANDARD TEST METHOD FOR THERMAL PROTECTIVE PERFORMANCE OF MATERIALS FOR PROTECTIVE CLOTHING FOR HOT SURFACE CONTACT

Conductive heat resistance testing measures the insulation provided by the glove when exposed to and in contact with a hot surface. The ASTM F1060-08 test measures the time it takes a person wearing PPE to develop a second-degree burn when exposed to a certain temperature. Three aspects are taken into consideration:

- Time to second-degree burn – the time it takes for a person wearing PPE to get second-degree burns when exposed to a given temperature
- Time to pain – the time it takes for a person wearing PPE to feel pain when exposed to a given temperature
- Alarm time – the amount of time between time to pain and time to second degree burn

The glove's conductive heat resistance is measured according to the levels listed below:

The levels are read as the highest contact temperature at which time to second-degree burn is at least 15 seconds and alarm time is at least 4 seconds. In other words, each level is the maximum temperature where you have at least 15 seconds before you get a second-degree burn and at least 4 seconds of warning for you to react to the pain and move away from the heat source.

For instance, a glove with a Level 2 rating can withstand up to 140°C/284°F for at least 15 seconds before you are injured by a second-degree burn and at least 4 seconds of warning time where you can move away from the heat and avoid any burns.

* Note: Contact heat test is only performed on the palm – does not guarantee heat resistance on back of hand

Level 0: < 80°C or 176°F

Level 1: 80°C or 176°F

Level 2: 140°C or 284°F

Level 3: 200°C or 392°F

Level 4: 260°C or 500°F

Level 5: 320°C or 608°F

MARKING

The conductive heat resistant level is represented with an ANSI Shield with the appropriate rating (heat level 1-5). The following pictogram is shown on packaging and marketing material:



Products with ANSI Heat markings have been designed and tested under controlled laboratory conditions. Please ensure you are wearing the right glove for the job.

watsongloves.com



407 Storm

Dryhide™ oil resistant cowhide palm and back, stitched with Kevlar®, snug-fitting shirred elastic wrist, 3" band cuff, proudly Canadian made

407G – gauntlet style cuff
Size S–XXL

RATINGS |
TECHNOLOGIES



9407 Storm

3M Thinsulate™ C100 lining, Dryhide™ water and oil resistant cowhide leather, stitched with Kevlar®, snug-fitting shirred elastic wrist, 3" band cuff, Proudly made in our local Burnaby, BC factory
Size S–XXL

RATINGS |
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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

RATINGS |
TECHNOLOGIES



9407CR 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



407G Storm

Dryhide™ oil resistant cowhide palm and back, stitched with Kevlar®, snug-fitting shirred elastic wrist, gauntlet style cuff, proudly Canadian made

Size S–XXL

RATINGS |
TECHNOLOGIES



407GCR Storm

Dryhide™ oil resistant cowhide palm and back, stitched with Kevlar®, Cutshield™ liner made from P-aramid, steel and modacrylic fibres, gauntlet style cuff, proudly Canadian made

Size S–XXL

RATINGS |
TECHNOLOGIES



9407G Storm

3M Thinsulate™ C100 lining, Dryhide™ oil resistant cowhide palm and back, stitched with Kevlar®, gauntlet style cuff, proudly made in our local Burnaby, BC factory

Size S–XXL

RATINGS |
TECHNOLOGIES



9407GCR Storm

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

Size S–XXL

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TABLEAU DES GRANDEURS

WATSON

SIZING CHART

S
M
L
XL
XXL

Place hand here. Align knuckle of index finger to red line.
Placez votre main ici. Alignez la jointure de votre index sur la ligne rouge.



To determine the best 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.

Pour déterminer la bonne grandeur

Placez votre paume droite sur le tableau des grandeurs, vos doigts rapprochés.
Mesurez la largeur de votre main en alignant la jointure de votre index sur la ligne rouge.

Using a ruler

To determine hand size with a ruler keep fingers close together and measure the width across the knuckle region. Use the chart above to match the hand width measurement to its corresponding size (e.g. a hand measuring somewhere between 7.5 cm and 8.5 cm will require a medium size glove).

5 cm

SCALE

If you print this chart please ensure that it is to the correct scale

Si vous imprimez ce tableau, vérifiez qu'il est à la bonne échelle

1 cm

1 in

2 in

WATSON
GLOVES®
Quality since 1918



Our Story

Watson in a Nutshell

With a century of experience, Watson Gloves is North America'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, over 100 years later, Watson Gloves has grown across North America. 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

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