

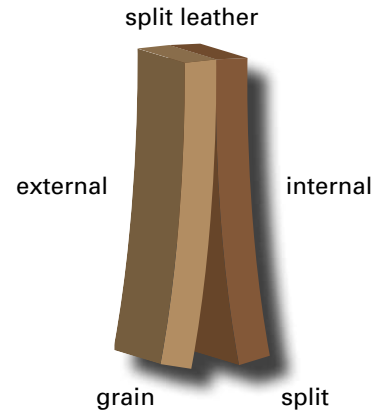
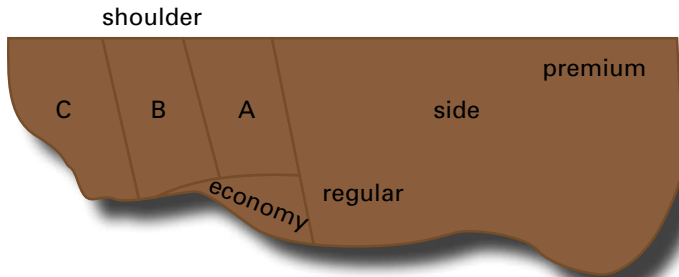
Welding Guide



MCR SAFETY

WE PROTECT PEOPLE

MCR Safety Leather Guide



Leather Welding

Material Breakdown

Leather is the main material used in welding gloves. Therefore, we thought it would be helpful breaking down the main components of leather. Here is your crash course lesson on leather gloves:

The Cut:

The first major component of leather gloves is the cut. Most stick welding require split leather, where Mig/Tig gloves require a grain cut.

Here is an overview of both:

Grain

Grain leather is the smooth external side of the hide. This type of leather provides durability and dexterity.

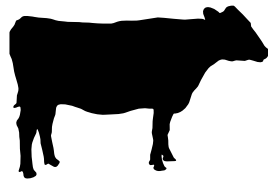
Split

Split leather is the rougher internal side of the hide. The three different types of split leather are side, shoulder or belly split. Not all split leather is equally created. It all depends on where the leather derives.

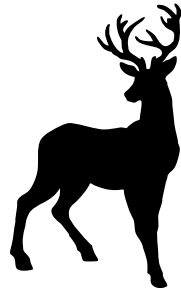
Side Split - This part of the leather is more durable and provides the greatest protection.

Shoulder Split - More economical than side, but less durable.

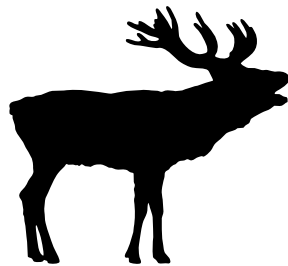
Belly Split - Most economical; however, it has the least consistency of texture and appearance.



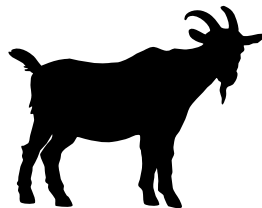
- Cow Leather
Provides excellent abrasion resistance and durability
- Great for stick/MIG welding with more durability



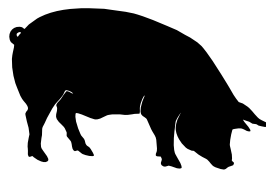
- Deer Leather
Providing all-day comfort and great sensitivity to touch due to its softness
- Great for TIG welding with greater dexterity



- Elk Leather
Recognized as one of the most durable and softest leathers
- Best for stick welding with higher heat protection



- Goat Leather
Independent tests have proven goat leather to be a stronger and more durable leather
- Great for MIG/TIG welding with best abrasion



- Pig Leather
Offers the greatest durability due to the porous texture of the hide
- Great for stick/MIG welding with extreme durability

Open flames burn the naturally occurring oils in leather as well as the chemicals used in the leather tanning process, which causes the gloves to harden and char. The better leather used in welding gloves, the longer the welding glove will last.



Welding Glove Tips

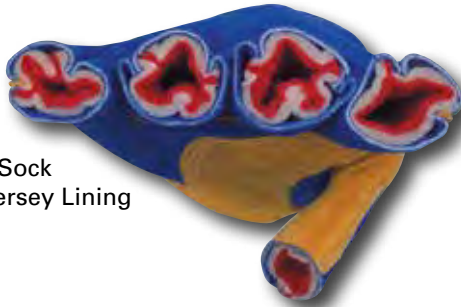
- A gauntlet cuff offers additional arm protection
- Wear dry, hole-free insulating gloves
- Wear oil-free protective garments such as leather

Proper welding protection selection considerations include type of heat, temperature exposure, handling time, and weight of the material being handled. Our ITC Heat Blog sums up heat testing and highlight which leather products are best suited for contact heat.

Insulation

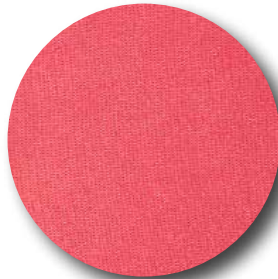
Insulated linings help protect areas exposed to high radiant energy. All leather welding gloves provide insulation and thermal protection.

Cutaway View of Heavy-Duty Full-Sock Foam and Red Jersey Lining



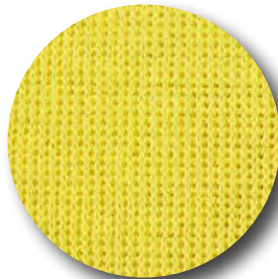
Foam

Lightweight, creates an air barrier protection and cushioning effect



DuPont® Kevlar®

Cut and thermal liner, versatile and strong



Jersey

Moderate heat protection at the most economical price



Welding Glove Pointers

Welding gloves can vary significantly in cost, depending on the glove's specific components. A thorough analysis should be conducted to assure accurate comparison of different welding gloves and glove brands. Here are features that affect a welding gloves' performance and cost:

Leather - Premium vs Economy leather. Remember that grain leather will allow for better dexterity.

Linings - Jersey vs Thermosock, Full Sock vs Two Piece

Type of Thread - DuPont™ Kevlar® vs Polyester

Sizing - Large vs Extra-Large

Length - From Fingertip to Cuff

Hem - Fabric or Leather

Welting - Partial or Fully Weltd

However, some leather glove styles provide more protection than others, based on the type of leather and lining.

Thinsulate

Recognized as one of the leading materials for insulation



Pile

Soft, Cotton or blend



Thermosock

High loft matte fiber

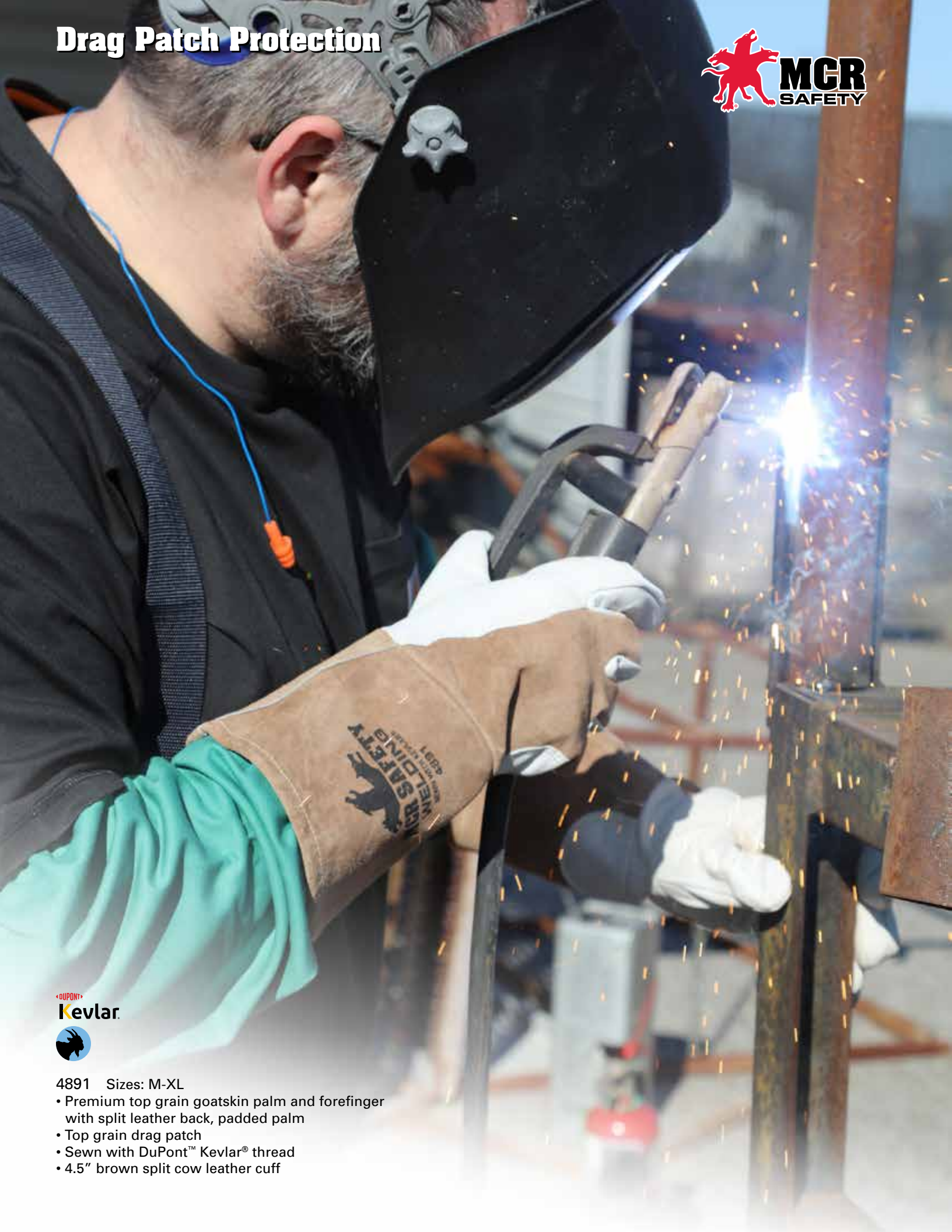


Wool

Nature's best insulating properties, dries quickly



Drag Patch Protection



4891 Sizes: M-XL

- Premium top grain goatskin palm and forefinger with split leather back, padded palm
- Top grain drag patch
- Sewn with DuPont™ Kevlar® thread
- 4.5" brown split cow leather cuff



Welders require protection down the side of their glove when dragging a welding gun. These new gloves

provide an additional drag patch for durability, additional heat protection and longer wear.



4890 Sizes: M-XL

- Premium top grain goatskin palm and forefinger with split leather back and padded palm
- Top grain drag patch and knuckle strap
- Sewn with DuPont™ Kevlar® thread
- 2.5" Brown split cow leather cuff



4960 Sizes: M-XL

- Premium top grain cowhide palm and forefinger with split leather back and wing thumb
 - Top grain drag patch
 - Sewn with DuPont™ Kevlar® thread
 - 4" brown split cow leather cuff
- Protects to 284°F*



49750 Sizes: M-XL

- Premium elkskin leather, top grain cotton/foam lined back
- Reversed grain palm for greater comfort against the hand
- Drag patch for additional heat and abrasion protection
- Sewn with DuPont™ Kevlar® thread
- 5" Split cowhide bell cuff

Protects to 608°F



49751 Sizes: M-XL

- Premium elkskin leather, top grain cotton/foam lined back
- Reversed grain palm for greater comfort against the hand
- Drag patch for additional heat and abrasion protection
- Sewn with DuPont™ Kevlar® thread
- 5" Split cowhide bell cuff

Mustang Series



MU3624FR Sizes: M-XL

- Premium brown goatskin leather
- Nomex® fabric back - excellent thermal stability
- Ergonomic double leather pattern
- Sewn with DuPont™ Kevlar® thread
- ARC rating - 24.7 cal/cm2 (HRC2 / CAT2)
- Heat Attenuation Factor (HAF) of 91.3%
- 2.5" cuff with shirred elastic around entire wrist

Protects to 392°F



Mustang Premium Leather Gloves offer unparalleled protection, comfort and enhanced performance.

These premium gloves offer dexterity while not compromising on cut and abrasion protection.



MU3213DP Sizes: S-XXXL

- Premium brown cowhide leather
- A second layer of premium gray cowhide in the palm and knuckles
- Sewn with DuPont™ Kevlar® thread
- ARC rating - 52.7 cal/cm2 (HRC4 / CAT4)
- Heat Attenuation Factor (HAF) of 94.5%
- Shirred elastic wrist
- Wing style thumb



MU3624GFR Sizes: M-XL

- Premium brown goatskin leather
 - Nomex® fabric back - excellent thermal stability
 - Ergonomic double leather pattern
 - Sewn with DuPont™ Kevlar® thread
 - ARC rating - 24.7 cal/cm2 (HRC2 / CAT2)
 - Heat Attenuation Factor (HAF) of 91.3%
 - 4" cuff with shirred elastic around entire wrist
- Protects to 392°F*



MU3624GK Sizes: M-XXL

- Lined with DuPont™ Kevlar® - 360° cut protection
 - Premium goatskin - high tensile strength
 - ARC rating - 61.4 cal/cm2 (HRC4 / CAT4)
 - Heat Attenuation Factor (HAF) of 95.6%
 - Double stitched with Kevlar® thread - greater seam strength
- Protects to 392°F*



MU3644 Sizes: M-XL

- Premium brown goatskin leather
 - A second layer of premium brown goatskin in the palm, fingertips and knuckle
 - 5" split cowhide bell cuff
 - ARC rating - 28.6 cal/cm2 (HRC2 / CAT2)
 - Heat Attenuation Factor (HAF) of 94%
 - Wing style thumb
 - Sewn with DuPont™ Kevlar® thread
 - Shirred elastic around entire wrist
- Protects to 392°F*

Impact Level 1



48406K



When you're working around metal, your hands are sure to get banged up at some point. TPR backing provides

excellent ANSI ISEA 138 Level 1 impact resistance on the fingers and back of the hand.



36136KDP Sizes: M-XL

- DuPont™ Kevlar® liner - ANSI cut level A5
- Select grain goatskin
- Sewn with DuPont™ Kevlar® thread
- Hi-Vis Orange TPR back - ANSI impact level 1



48406K Sizes: M-XL

- DuPont™ Kevlar® liner, ANSI cut level A4
 - Premium top grain goatskin
 - TPR back - ANSI impact level 1
 - Sewn with DuPont™ Kevlar® thread
 - 11" total length including a 5" brown split cow leather cuff
- Protects to 284°F*



48406 Sizes: M-XL

- Unlined Premium top grain goatskin
 - TPR back - ANSI impact level 1
 - Sewn with DuPont™ Kevlar® thread
 - 11" total length including a 5" brown split cow leather cuff
- Protects to 392°F*



48406T Sizes: M-XL

- 100 gm Thinsulate liner
 - Premium top grain goatskin
 - TPR back - ANSI impact level 1
 - Sewn with DuPont™ Kevlar® thread
 - 11" total length including a 5" brown split cow leather cuff
- Protects to 392°F*





Mig/Tig gloves offer greater dexterity than heavy side welding gloves and help reduce a welder's hand fatigue.

These gloves are made from thinner, softer leather including cow, pig, goat, deer, and elk grain leather.



4853 Mustang™ Sizes: S-XXL
Premium top grain goatskin, 4" blue split cow leather cuff, 2 Finger Mitt Kevlar® felt lined to prevent "crinkle pinkie", lined with DuPont™ Kevlar®, sewn with DuPont™ Kevlar® thread



4850K Gloves For Glory Sizes: S-XXL
Premium top grain goatskin, 4.5" blue split cow leather cuff, lined with DuPont™ Kevlar®, sewn with DuPont™ Kevlar® thread
Protects to 284°F

4850 Sizes: M-XXL
Unlined, available in Left and Right hand Only



4900 Red Ram™ Sizes: 7, 8, 9, 10, 11, 12, 13
Premium grade grain goatskin, straight thumb clute pattern, 2.5" grain goat band cuff
Protects to 284°F



49600 Sizes: M-XXL
Premium grade black grain pigskin leather, full sock lining, wing thumb, 4.5" gray split cowhide gauntlet cuff, sewn with DuPont™ Kevlar® thread





49610 Red Ram™ Size: L
 Select grade grain pigskin, clute pattern back, outside seam, straight thumb, reinforced thumb strap, 4.5" gauntlet split pig cuff, sewn with DuPont™ Kevlar® thread



4921 Red Ram™ Sizes: S-XXL
 Select grade grain cow, double leather grain palm, index, and thumb, split cow back and cuff, gunn pattern, wing thumb, 2.5" leather safety cuff, sewn with DuPont™ Kevlar® thread, available in Left hand only



4840K Red Ram™ Sizes: L-XXL
 Premium top grain goatskin, lined with DuPont™ Kevlar®, 6" russet split cow leather cuff, sewn with DuPont™ Kevlar® thread
Protects to 284°F

4840 Sizes: S-XL
 Unlined, 5" russet cuff



4800 Red Ram™ Sizes: 7, 8, 9, 10, 11, 12
 Premium grade grain goatskin, straight thumb, clute pattern, 2.5" grain goat band top cuff, fingerless with finger tabs for easy removal



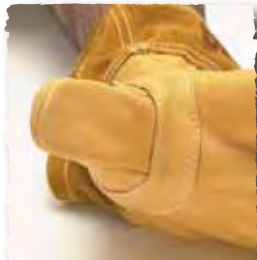


•DUPONT•
Kevlar



4984 Big Buck™ Sizes: S-XL
Premium grain deerskin, gunn pattern, full leather back, unlined, straight thumb, 4.5" split cow cuff, sewn with DuPont™ Kevlar® thread

4982 Big Buck™ Sizes: S-XL
Premium grain deerskin, clute pattern, with thumb strap, reinforced thumb crotch unlined, straight thumb, 2.5" split cow cuff, sewn with DuPont™ Kevlar® thread



•DUPONT•
Kevlar



4950 Mustang™ Sizes: S-XL
Premium grain cow palm and back, wing thumb, 4.5" gauntlet split cow cuff, sewn with DuPont™ Kevlar® thread

4952 Sizes: S-XL
Select grade, sewn with DuPont™ Kevlar® thread

4940 Mustang™ Sizes: S-XL
Premium grain cow, reinforced straight thumb, 5" bell gauntlet split cow cuff, sewn with DuPont™ Kevlar® thread

4950LB Size: L
Select grade, (Not sewn with Kevlar®)



3204K Sizes: S-XXL
Select grade grain cowhide, lined with 7 gauge DuPont™ Kevlar®, keystone thumb, sewn with DuPont™ Kevlar® thread
Protects to 392°F

3204 Sizes: XS-XXXL
Unlined

4903L Sizes: M-XL
Soft and supple cream cow grain leather, russet split safety cuff, shirred elastic back, wing thumb



•DUPONT•
Kevlar



4900LN Size: L
Premium grain cowhide, 4.5" duck gauntlet cuff, cotton knitted fabric palm lining, sewn with DuPont™ Kevlar® thread

4901 Sizes: M-XL
Premium grain cowhide, 4.5" grain leather gauntlet cuff, fleece liner, sewn with DuPont™ Kevlar® thread

4902 Size: L
Select grain cowhide, 4.5" canvas gauntlet PE cuff, sewn with DuPont™ Kevlar® thread

Premium Welders





MCR Safety's Premium welders are made from select heavy side leather. All premium gloves are sewn with

100% DuPont™ Kevlar® thread, welted seams and a turned leather hem to protect stitching from sparks and heat.



4740 Bobcat™ Size: XL
Premium select side leather with a 13" 1 piece back, reinforced straight thumb, gray cuff with flame resistant cuff liner, sewn with DuPont™ Kevlar® thread



4730 War Horse™ Size: XL
Premium select side leather with a 13" 1 piece back, foam liner, wing thumb, sewn with DuPont™ Kevlar® thread



4720 Red Ram® Size: XL
Premium select side leather with a 13" 1 piece back, fully lined and welted, sewn with DuPont™ Kevlar® thread



4700 Mustang™ Size: XL
Premium select side leather with a 13" 1 piece back, wing thumb, gunn pattern, black cotton drill cuff liner, sewn with DuPont™ Kevlar® thread
Protects to 392°F

Cow Leather Welders



• DUPONT •
Kevlar



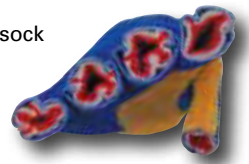
4600 Blue Beast® Sizes: XL-XXL

One piece back, soft jersey lining, cotton drill cuff lining, reinforced palm and thumb strap, sewn with DuPont™ Kevlar® thread , available in Left hand only

Protects to 392°F



Cutaway View of Heavy-duty Full-sock
Foam and Red Jersey Lining



4622 Red Fox® Size: XL
Select side split leather, one piece back, full sock cotton lining with foam padding, self hemmed cuffs, sewn with DuPont™ Kevlar® thread, ANSI Puncture 5

4620 Kodiak® Size: XL
Premium quality cow side leather, one piece back, cotton full sock jersey lining, self hemmed cuffs, sewn with DuPont™ Kevlar® thread

4602 Welda-Beast® Size: XL
Blue select side leather, reinforced palm, reinforced wing thumb, foam lined, sewn with DuPont™ Kevlar® thread



4500 Sizes: S-XXL
Premium select shoulder leather, foam liner, leather reinforced wing thumb, sewn with DuPont™ Kevlar® thread *Protects to 392°F*

4501 Size: XL
Rugged regular split shoulder leather, full sock jersey liner, reinforced palm, 13.5" 1 pc back, cotton drill cuff liner, sewn with DuPont™ Kevlar® thread

4501B Size: XL
Rugged economy split shoulder leather, full sock jersey lining, reinforced palm, 13.5" 1 pc back, cotton drill cuff lining



4320 Size: L
Select shoulder leather, 13" 1 piece back, fleece liner, sewn with DuPont™ Kevlar® thread, available in Left hand only *Protects to 392°F*

4300 Size: XL
Premium select shoulder leather, russet, cotton drill liner

4300N Size: XL
No Logo

4300B Size: XL
Russett economy grade shoulder leather, wing thumb, ANSI Puncture 4



4150 Size: XL
Premium select shoulder cow leather, natural pearl color, full cotton sock liner, welted seams, generous sizing, 13" 1 piece back, sewn with DuPont™ Kevlar® thread, ANSI Abrasion 4, ANSI Puncture 4, available in Left hand only *Protects to 284°F*

4150T Sizes: L-XXL
Each pair is hang tagged

4150B Sizes: XL-XXL
Gray split economy shoulder cow leather, cotton drill liner

4152 Size: S
Ladies' economy shoulder leather

4155 Size: XL
Regular shoulder leather

Foundry Gloves



4750



When handling hot molded products or metal materials, MCR Safety's foundry

glove provides temperature protection up to 500°, depending on the application.



4750 High Heat Size: XL

High heat treated select side split leather, double wool lined palm, 3.5" 16 oz. duck cuff, sewn with DuPont™ Kevlar® thread
Protects to 500°F



4620A Aluminized Welder Size: XL

Premium brown side leather, 1 piece aluminized back, reinforced palm, wing thumb, fully welted, FR sleeve liner, sewn with DuPont™ Kevlar® thread, *Protects to 392°F*



4550 Foundry Size: XL

Select shoulder clute pattern, 5" split leather gauntlet cuff, cotton drill cuff liner, palm red jersey foam full sock lining, reinforced straight thumb, sewn with DuPont™ Kevlar® thread
Protects to 392°F

Welding/Limited Flammability Garments



Leather Jacket

38030MW 30" Sizes: M-XXXL
Sleeve pockets, take-up snaps at waist and wrist for perfect fit

Limited Flammability Cotton Jacket

39030 30" Sizes: S-XXXL
39045 45" Sizes: L, XL
Snap sleeves for snug fit. Large inside pocket. Soapstone shoulder pocket

Leather Cape

38100MW Sizes: M-XXXL
Sleeve Pockets, Take-up Snaps at Wrist.
38114MW 14" Length Snap-on Bib
38120MW 20" Length Snap-on Bib

Limited Flammability Cotton Cape

39100 Sizes: S-XXL
39114 14" Length Snap-on Bib
39120 20" Length Snap-on Bib

Leather Sleeves

38418MW 18" Length
Take-up Snaps at Both Ends.
38423MW 23" w/ Support Strap
38425MW 25" w/ Support Strap

Limited Flammability Cotton Sleeve

39418 18" Length
39423 23" Length
2 1/2" Heavy Duty Elastic Top and Wrist.
39518 18" Length
Elastic Top and Snap Wrist.



Leather Chaps

38600MW 38" Length



Leather Split Leg Bib

38236MW 24" x 36"
38242MW 24" x 42"
Front Chest Pocket,
"D" Ring for Accessories.



Leather Bib Apron

38130MW 24" x 30"
38136MW 24" x 36"
38142MW 24" x 42"
Front Chest Pocket,
"D" Ring for Accessories.

Leather Waist Apron

38318MW 24" x 18"
38324MW 24" x 24"

Limited Flammability Bib Apron

39136 24" x 36"
39142 24" x 42"
Adjustable Shoulder
and Waist Straps.



Leather Shoe Protector

38505MW One Size Fits All

Leather Rod Holder

38525MW
Reinforced Bottom,
Spring Clip.

Leather Welding Blanket

38063 Size: 6' x 3'
Natural Pearl Color, Heavy Side Split
Leather, sewn with DuPont™ Kevlar® thread



«DUPONT»

Kevlar

All Memphis Welding Apparel is sewn with Dupont® Kevlar® thread.



UD2130G
Gray Filter 3.0

UD2 Series

- Cutting Edge Military Ballistic Full Frame
- Co-Injected TPR Temples and Nose Pads

- **UD2130G** Gray Filter 3.0
- **UD2150G** Gray Filter 5.0



RP2150
Filter 5.0

RP2 Series

- Perfect Fit With or Without Foam Gasket

- **RP2120** Green Filter 2.0
- **RP2130** Green Filter 3.0
- **RP2150** Green Filter 5.0



DL1130
Filter 3.0

DL1 Series

- Famous Market Design, Full TPR Temples

- **DL1130** Green Filter 3.0
- **DL1150** Green Filter 5.0



LW2120
Filter 2.0

LW2 Series

- Single Lens, Non-Slip Temple Inserts, TPR Nose Pads

- **LW2120** Green Filter 2.0
- **LW2130** Green Filter 3.0
- **LW2150** Green Filter 5.0
- **LW2130G** Gray Filter 3.0
- **LW2150G** Gray Filter 5.0



S21150
Filter 5.0

S21 Series

- Wraparound Lens, Metal Alloy Hybrid Temples

- **S21130** Green Filter 3.0
- **S21150** Green Filter 5.0



ST1130
Filter 3.0

ST1 Series

- 5 Position Ratchet Temples, Non-Slip Grips

- **ST1130** Green Filter 3.0
- **ST1150** Green Filter 5.0



T11130
Filter 3.0

T1 Series

- Hybrid Temple Design, Non-Slip Sleeves and Nose Piece

- **T11130** Green Filter 3.0
- **T11150** Green Filter 5.0



98120 Filter 2.0

98 Series

- Visitor Spec, Vented Side Shields, OTG

- **98120** Green Filter 2.0
- **98150** Green Filter 5.0



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