

# TROXEL<sup>®</sup>



Mips

**SPIRIT  
HELMET**

SEE PAGES 10-11

# 2024

# TROXEL<sup>®</sup> 2024

Terrain Overview .....	4 - 5
Terrain with MIPS <sup>®</sup> .....	6 - 7
Terrain.....	8 - 9
Spirit with MIPS <sup>®</sup> <b>NEW</b> .....	10 - 11
Spirit .....	12 - 15
Youngster <b>NEW</b> .....	16 - 17
Sport 2.0 <b>NEW</b> .....	18 - 19
Liberty <b>NEW</b> .....	20 - 21
Intrepid .....	22 - 23
Avalon.....	24 - 25
ES.....	26 - 27
Cheyenne .....	28 - 29
Sierra.....	30 - 31
Dakota <b>NEW</b> .....	32 - 33
Rebel <b>NEW</b> .....	34 - 35
Dynasty <b>NEW</b> .....	36 - 37
Helmet Brimmer™ .....	38
Accessories <b>NEW</b> .....	39
Apparel <b>NEW</b> .....	40
Helmet Fit Guide.....	41
Helmet Size Guide.....	42
Technologies.....	43 - 44
POP & Dealer Information.....	IBC

Patent #6,085,357 applies to all Troxel<sup>®</sup> helmets.

## NO RISK, NO QUESTIONS ASKED, MONEY BACK GUARANTEE ON THE TERRAIN HELMET!



At Troxel, we want your customers to be confident when purchasing an equestrian helmet. We understand that safety, comfort, and innovation are all at the forefront of their minds when selecting a helmet. That's why we're adamant about our next generation Terrain Helmet. We are proud to offer consumers a unique **60-Day Test Ride Guarantee** on the most highly ventilated equestrian helmet in the industry. If, for any reason, your customers are not completely satisfied with a Terrain Helmet, they can simply return it to the place of purchase along with the original receipt within 60 days for a full refund. Please call 800-932-8371 so we can provide assistance with a Troxel Helmet refund.

This warranty does not cover normal wear and tear; improper use or maintenance; altering of the helmet with accessories by any means; or damage/failure due to accident, misuse, abuse, or neglect.

# TROXEL®

Established in 1898, Troxel is recognized for its innovative design and physician-developed helmet research leadership. With over four million helmets in the market and a safety record that is second to none, Troxel is the world's leading provider of ASTM/SEI-certified equestrian helmets.

## HOW OFTEN HORSE-RELATED INJURIES HAPPEN

- About 70,000 people go to the emergency room each year for equestrian-related injuries. About 12,000 of those people have suffered head injuries.
- Horseback riders have the same number of injury accidents per riding hour as motorcycle riders.

## WHO GETS INJURED?

- All riding disciplines have a significant rate of head injuries. Head injuries are the most common reason for equestrian-related hospitalization and fatal injuries.
- Unpredictable riding events — a horse spooking, bucking, or bolting — account for most head injuries, but 20% happen during non-riding activities or as a bystander.
- The risk of injury is tied to cumulative riding time, not level of expertise.
- Taking it slow isn't the answer, either: Severity of the injury is most closely influenced by your distance above the ground. A fall from only 2 feet high can cause permanent brain damage.

## HOW HELMETS PROTECT YOU

- When you take a fall, a certified helmet absorbs energy by crushing and extending your head's stopping time to reduce the peak impact on the brain significantly.
- Helmets are built to compress and fracture on serious impact. A broken helmet is not a sign of a faulty one — in fact, it may crush or crack as it absorbs the energy that could otherwise cause you serious injury.

## HOW OFTEN SHOULD HELMETS BE REPLACED?

- All Troxel helmets involved in an accident should be replaced immediately. They are only designed for one impact event.
- Due to evolving standards, technologies and the potential for unforeseen material deterioration, it is recommended that a helmet be replaced at least every five years from the date of purchase. Those who ride more often should replace their helmet more often.

**TROXEL®**  
IS PROUD TO BE THE  
OFFICIAL HELMET OF



Troxel is a Proud Partner of



# TROXEL®

Mips



SPIRIT MIPS  
BLACK  
DURATEC™  
54036-700  
PAGE 11



SPIRIT MIPS  
NAVY  
DURATEC™  
54036-702  
PAGE 11



SPIRIT MIPS  
PARADISE PINK  
DURATEC™  
54036-704  
PAGE 11



SPIRIT MIPS  
DESERT  
SHADOWS  
54036-627  
PAGE 11



DYNASTY  
DESERT SKY  
54040-628  
PAGE 37



REBEL  
SOUTHWEST  
SUNRISE  
04-281  
PAGE 37



LIBERTY  
VERI PERI  
DURATEC™  
04-244  
PAGE 21



**SPORT 2.0  
PINK  
54000-04  
PAGE 19**



**SPORT 2.0  
MINT  
54000-198  
PAGE 19**

# NEW FOR 2024

The #1 equestrian helmet just got better. The Spirit is now available with Mips Technology that can reduce certain rotational forces to the head in the event of a fall. Pairing the Spirit's renowned comfort with fashion, flaunt our chic colors and the Mips exclusive "Desert Shadows" graphic. Explore the Spirit with Mips along with other fun colors, and captivating new designs for your favorite Troxel helmet styles in our 2024 catalog.



**YOUNGSTER  
PINK  
UNICORN  
54001-751  
PAGE 17**



**YOUNGSTER  
BLUE DINO  
54001-750  
PAGE 17**



**DAKOTA  
BLACK  
DURATEC™  
04-316  
PAGE 33**

**See pages 39 and 40 for our new Troxel hats, shirts, pullovers and vests for 2024!**

# TERRAIN

HIGHLY VENTILATED EQUESTRIAN HELMET  
WITH PATENTED **coolcore**® HEADLINER TECHNOLOGY

Extra large vents deliver ..... highest ventilation in the industry

Co-molded, ..... impact resistant polycarbonate shell

Impact absorbing ..... EPS liner

Front cage ..... reinforcement

**Mips**

The low friction layer allows a multi-directional movement of 10-15 mm on certain angled impacts, intended to reduce rotational force to the head. Learn more: [mipsprotection.com](http://mipsprotection.com)

Reinforced bottom edge .....

Removable, washable ..... Coolcore® headliner with chemical-free, antibacterial FUZE technology

Shatterproof, removable ..... and replaceable TPU visor

Latest generation, ..... micro-adjustable DialFit™ system

Available with Mips® safety technology intended to reduce rotational forces, the Terrain is the most feature-rich helmet we have ever built. 12 vents scoop up industry-leading amounts of air to complement our moisture-wicking Coolcore® headliner treated with antibacterial FUZE technology for the ultimate synergy in cooling comfort. The polycarbonate shell is co-molded to the EPS liner with a front cage for the perfect combination of lightweight performance and strength. All rounded off by a shatterproof, replaceable visor and a micro-adjustable DialFit™ system, the Terrain helmet is one of the best.

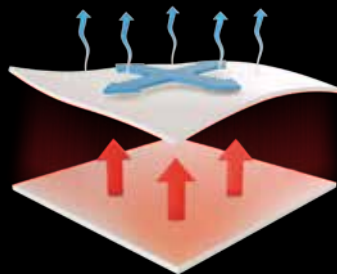


## MIPS® - SAFETY FOR HELMETS

- We know from scientific research that the brain is particularly sensitive to rotation. In the event of an impact, the helmet technology provided by a Mips® safety system is intended to help reduce the impact of rotational energy on the head by enabling a relative movement between the head and helmet.

## HIGHLY VENTILATED HELMET

- The equine helmet industry's leader in ventilation performance
- Highly engineered vents maximize airflow
- 12 extra large vents are strategically-placed for maximum cooling



Coolcore® is a research-proven performance fabric technology that regulates temperature by managing heat and moisture.

## PATENTED COOLCORE® HEADLINER TECHNOLOGY

- Chemical-free cooling technology
- Moves moisture and sweat away from your body
- Dissipates heat to regulate core temperature
- Cooling lasts lifetime of material
- 100% machine washable

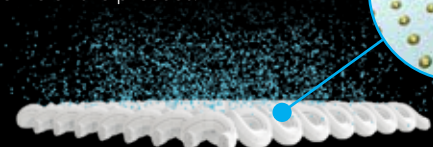
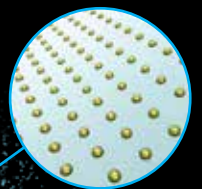
U.S. Patents #9,121,642 and #8,440,119

## ECO-FRIENDLY TECHNOLOGY STOPS ODOR AT ITS SOURCE

- Permanent, chemical-free, anti-odor technology
- Uses a mechanical breakdown to kill bacteria rather than a chemical reaction
- Precisely targets only odor-causing bacteria and fungus that come in contact with the treated surface
- Proven to maintain efficacy for over 100 washes



Sustainably enhances fabrics with greater cooling power and odor control that lasts the life of the product.



Patent Pending US 62/744,490

# TERRAIN



SAFETY  
FOR  
HELMETS



The low friction layer allows a multi-directional movement of 10-15 mm on certain angled impacts, intended to reduce rotational force to the head. Learn more: [mipsprotection.com](https://mipsprotection.com)





Troxel is proud to offer you a 60-Day Test Ride Guarantee on our Terrain helmets. See IFC for details.

# TERRAIN WITH MIPS®

With the integration of the MIPS® safety system, the Terrain includes a low-friction inner layer to help reduce rotational impact to the head. With 12 vents, added safety features and cutting edge innovations like the patented, moisture-wicking Coolcore® headliner treated with FUZE technology to fight odor-causing bacteria, the Terrain is one of a kind.

## TECHNOLOGIES

**FINISH:** Matte Duratec™

**FIT SYSTEM:** DialFit™

**HEADLINER:**

- + Removable and washable
- + Patented Coolcore® technology

**VENTILATION:** Highly-engineered vents encourage airflow to keep you cool and comfortable

**CERTIFICATION:** ASTM/SEI-certified

## SIZES

SIZE	INCHES	CM	HAT SIZE
S	20 3/8" - 21 5/8"	52-55	6 1/2 - 6 7/8
M	22" - 23 1/8"	56-59	7 - 7 3/8
L	23 1/8" - 24 3/8"	59-62	7 3/8 - 7 3/4

Size chart is a guide only. Head shapes can be unique, changing what size is needed.



**BLACK DURATEC™**  
700



**NAVY DURATEC™**  
702



**RADIANCE DURATEC™**  
703



**GALAXY**  
625



# TERRAIN





Troxel is proud to offer you a 60-Day Test Ride Guarantee on our Terrain helmets. See IFC for details.

# TERRAIN

The Terrain is the next level low profile equestrian helmet, with 12 extra large vents and a frontal reinforcement cage for maximum airflow and added impact resistance. With a patented, moisture-wicking Coolcore® headliner treated with innovative FUZE technology that fights odor-causing bacteria, this helmet is engineered for cool, comfortable rides.

## TECHNOLOGIES

**FINISH:** Matte Duratec™

**FIT SYSTEM:** DialFit™

**HEADLINER:**

- + Removable and washable
- + Patented Coolcore® technology

**VENTILATION:** Highly-engineered vents encourage airflow to keep you cool and comfortable

**CERTIFICATION:** ASTM/SEI-certified

## SIZES

SIZE	INCHES	CM	HAT SIZE
S	20 3/8" - 21 5/8"	52-55	6 1/2 - 6 7/8
M	22" - 23 1/8"	56-59	7 - 7 3/8
L	23 1/8" - 24 3/8"	59-62	7 3/8 - 7 3/4

Size chart is a guide only. Head shapes can be unique, changing what size is needed.



**BLACK DURATEC™**  
**700**



**VIOLET DURATEC™**  
**701**



**BLACK CARBON**  
**720**



**TEAL CARBON**  
**721**

**TERRAIN HELMETS**  
**SMALL.....54030-40**  
**MEDIUM.....54030-50**  
**LARGE.....54030-60**

Please note that the Terrain helmets on this page do not use MIPS technology.

# INTRODUCING THE NEW SPIRIT

Mips



SAFETY  
FOR  
HELMETS



The low friction layer allows a multi-directional movement of 10-15 mm on certain angled impacts, intended to reduce rotational force to the head. Learn more: [mipsprotection.com](https://mipsprotection.com)



**NEW**

**BLACK  
DURATEC™  
700**



**NEW**

**NAVY  
DURATEC™  
702**



**NEW**

**PARADISE PINK  
DURATEC™  
704**



**NEW**

**DESERT  
SHADOWS  
627**



# SPIRIT WITH MIPS®

The #1 riding helmet keeps getting better. Spirit™ offers a deeper, full-coverage fit for incredible comfort and security, a low-profile design, and DialFit™ technology that all work together to create the most comfortable fit for a variety of head shapes. And now, Spirit comes with the added protection of Mips® technology. Spirit also offers an array of fun, fashionable graphics and colors!

## TECHNOLOGIES

**FINISH:** Matte Duratec™

**FIT SYSTEM:** DialFit™

**HEADLINER:**

- + Removable and washable
- + FlipFold™ fit adjustment
- + Air-Channel technology

**VENTILATION:** Mesh-covered vents

**CERTIFICATION:** ASTM/SEI-certified

## SIZES

SIZE	INCHES	CM	HAT SIZE
<b>XS</b>	19 5/8" - 20 3/8"	50-52	6 1/4 - 6 1/2
<b>S</b>	20 3/8" - 21 5/8"	52-55	6 1/2 - 6 7/8
<b>M</b>	22" - 23 1/8"	56-59	7 - 7 3/8
<b>L</b>	23 1/8" - 24 3/8"	59-62	7 3/8 - 7 3/4

Size chart is a guide only. Head shapes can be unique, changing what size is needed.



# SPIRIT





**MINT  
DURATEC™**  
04-548



**TEAL  
DURATEC™**  
04-533



**RASPBERRY  
DURATEC™**  
04-535



**VIOLET  
DURATEC™**  
04-534



**NAVY  
DURATEC™**  
04-532



**PERIWINKLE  
DURATEC™**  
04-547



**BLACK  
DURATEC™**  
04-551



**BLACK**  
04-546

Please note that the Spirit helmets on this page do not use MIPS technology.

# SPiRiT

The #1 riding helmet is better than ever! The Spirit offers a deeper, full coverage fit for incredible comfort and security. Riders love its low profile design and DialFit™ technology that work together to create the most comfortable fit for a variety of head shapes. The XS size fits great on young riders with its drop back design that increases helmet stability.

## TECHNOLOGIES

**FINISH:** Gloss / Matte Duratec™

**FIT SYSTEM:** DialFit™

**HEADLINER:**

- + Removable and washable
- + FlipFold™ fit adjustment
- + Air-Channel technology

**VENTILATION:** Mesh-covered vents

**CERTIFICATION:** ASTM/SEI-certified

## SIZES

SIZE	INCHES	CM	HAT SIZE
XS	19 5/8" - 20 3/8"	50-52	6 1/4 - 6 1/2
S	20 3/8" - 21 5/8"	52-55	6 1/2 - 6 7/8
M	22" - 23 1/8"	56-59	7 - 7 3/8
L	23 1/8" - 24 3/8"	59-62	7 3/8 - 7 3/4

Size chart is a guide only. Head shapes can be unique, changing what size is needed.



# SPIRIT







**SAHARA  
LEOPARD**  
04-555



**FREEDOM**  
04-545



**POP ART  
PONY**  
04-537



**PURPLE  
BOHO**  
04-540



**PINK  
DREAMSCAPE**  
04-538



**SKY  
DREAMSCAPE**  
04-539

# SPIRIT GRAPHIC

Fun, fashionable graphics and colors make the Spirit a great option for riders looking to match their horse's gear or boldly show off their sense of style. The Spirit offers a deeper, full coverage fit for incredible comfort and security. The XS size fits great on young riders with its deeper drop back design and DialFit™ technology.

## TECHNOLOGIES

**FINISH:** Gloss / Matte Duratec™

**FIT SYSTEM:** DialFit™

**HEADLINER:**

- + Removable and washable
- + FlipFold™ fit adjustment
- + Air-Channel technology

**VENTILATION:** Mesh-covered vents

**CERTIFICATION:** ASTM/SEI-certified

## SIZES

SIZE	INCHES	CM	HAT SIZE
<b>XS</b>	19 5/8" - 20 3/8"	50-52	6 1/4 - 6 1/2
<b>S</b>	20 3/8" - 21 5/8"	52-55	6 1/2 - 6 7/8
<b>M</b>	22" - 23 1/8"	56-59	7 - 7 3/8
<b>L</b>	23 1/8" - 24 3/8"	59-62	7 3/8 - 7 3/4

Size chart is a guide only. Head shapes can be unique, changing what size is needed.

Please note that the Spirit helmets on this page do not use MIPS technology.



# INTRODUCING THE NEW YOUNGSTER



**FRONT VIEW**



**REAR VIEW**





**BLUE  
DINO  
750**

**YOUNGSTER HELMETS**  
**X-SMALL.....54001-30**  
**SMALL.....54001-40**



**PINK  
UNICORN  
751**

# YOUNGSTER

Gear up your young riders with our new Youngster helmet. Designed for toddlers with comfort in mind, this helmet's added ventilation and fun graphics, will make every ride a thrilling adventure for your little one. Protect those precious moments and keep your toddler riding with confidence and in style.

## TECHNOLOGIES

**FINISH:** Matte Duratec®

**FIT SYSTEM:** DialFit™

**HEADLINER:**

- + Removable and washable
- + FlipFold™ fit adjustment

**VENTILATION:** Multiple vents

**CERTIFICATION:** ASTM/SEI-certified

## SIZES

SIZE	INCHES	CM	HAT SIZE
<b>XS</b>	18 1/2" - 20"	47-51	5 7/8 - 6 3/8
<b>S</b>	20 1/2" - 22"	52-56	6 1/2 - 7

Size chart is a guide only. Head shapes can be unique, changing what size is needed.



# SPORT 2.0





WHITE  
10



BLACK  
00



PINK  
04



MINT  
198



# SPORT 2.0

The popular Sport 2.0 helmet includes a sturdy injection molded shell, a matte finish and a sleek integrated visor. Now in XS to XL, this helmet pairs the largest size range in our line with an improved fit. With larger vents for more airflow, this all-purpose helmet offers comfort and performance at a great price.

## TECHNOLOGIES

**FINISH:** Matte

**FIT SYSTEM:** Padded headliner

**HEADLINER:**

- + Removable and washable
- + FlipFold™ fit adjustment

**VENTILATION:** Multiple vents

**CERTIFICATION:** ASTM/SEI-certified

## SIZES

SIZE	INCHES	CM	HAT SIZE
XS	19 5/8" - 20 1/2"	50-52	6 1/4 - 6 1/2
S	20 3/4" - 21 5/8"	53-55	6 5/8 - 6 7/8
M	22" - 22 3/4"	56-58	7 - 7 1/4
L	22 3/4" - 23 1/2"	58-60	7 1/4 - 7 1/2
XL	24" - 24 3/4"	61-63	7 5/8 - 7 7/8

Size chart is a guide only. Head shapes can be unique, changing what size is needed.



# LIBERTY



# LIBERTY

Ultralight, low profile helmet with large vents providing superior airflow for a cooler, more comfortable ride. With a DialFit™ comfort system and removable, washable headliner with FlipFold™ shims for personalized comfort, the Liberty is a great option for all types of riding disciplines.



**LILAC  
DURATEC™**  
04-243



**BLUESTONE  
DURATEC™**  
04-239



**BLACK  
DURATEC™**  
04-231



**BLACK**  
04-237



**VERY PERI  
DURATEC™**  
04-244



**COBALT**  
04-232

## TECHNOLOGIES

**FINISH:** Gloss / Matte Duratec™

**FIT SYSTEM:** DialFit™

**HEADLINER:**

- + Removable and washable
- + FlipFold™ fit adjustment
- + Air-Channel technology

**VENTILATION:** Mesh-covered vents

**CERTIFICATION:** ASTM/SEI-certified

## SIZES

SIZE	INCHES	CM	HAT SIZE
S	20 3/4" - 22"	53-56	6 5/8 - 7
M	22" - 22 3/4"	56-58	7 - 7 1/4
L	22 3/4" - 23 1/8"	58-59	7 1/4 - 7 3/8
XL	23 1/8" - 24 3/8"	59-62	7 3/8 - 7 3/4

Size chart is a guide only. Head shapes can be unique, changing what size is needed.



# INTREPID







**PINK BLUSH  
DURATEC™**  
04-255



**SLATE**  
04-253



**MULBERRY**  
04-250



**INDIGO**  
04-242



**BLACK**  
04-247



**CARBON**  
04-249



**WHITE  
CARBON**  
04-254

# INTREPID

Ultralight, low profile design created for active riders. The self-adjusting SureFit™ Pro adjusts to the size and shape of the rider's head for an unmatched level of comfort during long hours in the saddle. The geometric visor shape and vent pattern lines create a sleek silhouette for a flattering, eye appealing look.

## TECHNOLOGIES

**FINISH:** Matte Duratec™

**FIT SYSTEM:** SureFit™ Pro

**HEADLINER:**

- + Removable and washable
- + FlipFold™ fit adjustment
- + Air-Channel technology

**VENTILATION:** Mesh-covered vents

**CERTIFICATION:** ASTM/SEI-certified

## SIZES

SIZE	INCHES	CM	HAT SIZE
S	20 3/4" - 22"	53-56	6 5/8 - 7
M	22" - 22 3/4"	56-58	7 - 7 1/4
L	22 3/4" - 23 1/8"	58-59	7 1/4 - 7 3/8

Size chart is a guide only. Head shapes can be unique, changing what size is needed.



# AVALON



# AVALON

With a sleek FlexVisor™ and bold metal cooling vents, the Avalon is destined to become a favorite show helmet option. It's packed with performance features, a modern low profile design and the latest fit technology. It's a perfect blend of athletic lines and front line innovation.

## TECHNOLOGIES

**FINISH:** Matte Duratec™

**FIT SYSTEM:** SureFit™ Pro

**HEADLINER:**

- + Removable and washable
- + FlipFold™ fit adjustment
- + Air-Channel technology

**VENTILATION:** Mesh & steel covered vents

**CERTIFICATION:** ASTM/SEI-certified

## SIZES

SIZE	INCHES	CM	HAT SIZE
S	20 3/4" - 22"	53-56	6 5/8 - 7
M	22" - 22 3/4"	56-58	7 - 7 1/4
L	22 3/4" - 23 1/8"	58-59	7 1/4 - 7 3/8

Size chart is a guide only. Head shapes can be unique, changing what size is needed.



**ROSE GOLD  
EDITION**  
04-259



**BLACK  
EDITION**  
04-258

# ES





**BLACK**  
**04-351**



**DRAWSTRING  
HELMET BAG**  
**70-142**

Check out these great add-on sale items to transport and protect a Troxel helmet!



**HELMET  
TOTE BAG**  
**70-143**

## ES

High quality materials, latest fit technology and a beautiful low profile lend modern appeal to the ES English riding helmet. The self-adjusting SureFit™ Pro adapts to the shape of the rider's head and adds to the stability of the helmet for a comfortable fit. The amazing value, rich microfiber covering and sleek vent pattern has made the ES a rider favorite.

### TECHNOLOGIES

**FINISH:** Microfiber

**FIT SYSTEM:** SureFit™ Pro

**HEADLINER:**

- + Removable and washable
- + FlipFold™ fit adjustment
- + Air-Channel technology

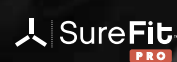
**VENTILATION:** Mesh-covered cluster vents

**CERTIFICATION:** ASTM/SEI-certified

### SIZES

SIZE	INCHES	CM	HAT SIZE
<b>S</b>	20 3/4" - 22"	53-56	6 5/8 - 7
<b>M</b>	22" - 22 3/4"	56-58	7 - 7 1/4

Size chart is a guide only. Head shapes can be unique, changing what size is needed.



# CHEYENNE



# CHEYENNE

The Cheyenne is the epitome of western helmet styling, with a tough, yet durable leather finish, and intricate stitching. Featuring the self-adjusting SureFit™ comfort system, the Cheyenne offers riders a great fit all day long, delivering protection while embracing true western design.

## TECHNOLOGIES

**FINISH:** Leather

**FIT SYSTEM:** SureFit™ Pro

**HEADLINER:**

+ Removable and washable

+ FlipFold™ fit adjustment

+ Air-Channel technology

**VENTILATION:** Mesh-covered vents

**CERTIFICATION:** ASTM/SEI-certified

## SIZES

SIZE	INCHES	CM	HAT SIZE
S	20 3/4" - 22"	53-56	6 5/8 - 7
M	22" - 22 3/4"	56-58	7 - 7 1/4
L	22 3/4" - 23 1/8"	58-59	7 1/4 - 7 3/8
XL	23 1/8" - 24 3/8"	59-62	7 3/8 - 7 3/4

Size chart is a guide only. Head shapes can be unique, changing what size is needed.



**BROWN**  
**04-381**



Neutralize and eliminate helmet odors between rides and headliner washings.

**Odor Eliminator Spray**  
**69014-04**

## HOW OFTEN SHOULD HELMETS BE REPLACED?

- All Troxel helmets involved in an accident should be replaced immediately. They are only designed for one impact event.
- Due to evolving standards, technologies and the potential for unforeseen material deterioration, it is recommended that a helmet be replaced at least every five years from the date of purchase. Those who ride more often should replace their helmet more often.

# SIERRA







**BROWN**  
04-369



**BLACK**  
04-367

# SIERRA

Engineered to withstand the toughest terrain, the Sierra's nylon and leather covering looks good while protecting the shell from scratches. The comfortable, self-adjusting SureFit™ Pro system and Air-Channel headliner perform flawlessly to provide all-day comfort on the trail or in the arena.

## TECHNOLOGIES

**FINISH:** Rugged Nylon & Leather

**FIT SYSTEM:** SureFit™ Pro

**HEADLINER:**

- + Removable and washable
- + FlipFold™ fit adjustment
- + Air-Channel technology

**VENTILATION:** Mesh-covered vents

**CERTIFICATION:** ASTM/SEI-certified

## SIZES

SIZE	INCHES	CM	HAT SIZE
S	20 3/4" - 22"	53-56	6 5/8 - 7
M	22" - 22 3/4"	56-58	7 - 7 1/4
L	22 3/4" - 23 1/8"	58-59	7 1/4 - 7 3/8
XL	23 1/8" - 24 3/8"	59-62	7 3/8 - 7 3/4

Size chart is a guide only. Head shapes can be unique, changing what size is needed. Tan not available in XL



# DAKOTA



# DAKOTA

Hit the trails in style and comfort with the coolest and lightest trail helmet on the market. The Dakota's extended visor provides extra sun protection, while the excellent ventilation and lightweight construction will make a rider forget they are even wearing a helmet.

## TECHNOLOGIES

**FINISH:** Matte Duratec™

**FIT SYSTEM:** SureFit™ Pro

**HEADLINER:**

- + Removable and washable
- + FlipFold™ fit adjustment
- + Air-Channel technology

**VENTILATION:** Mesh-covered vents

**CERTIFICATION:** ASTM/SEI-certified

## SIZES

SIZE	INCHES	CM	HAT SIZE
S	20 3/4" - 22"	53-56	6 5/8 - 7
M	22" - 22 3/4"	56-58	7 - 7 1/4
L	22 3/4" - 23 1/8"	58-59	7 1/4 - 7 3/8
XL	23 1/8" - 24 3/8"	59-62	7 3/8 - 7 3/4

Size chart is a guide only. Head shapes can be unique, changing what size is needed.



**BADLANDS**  
04-319



**TRAILDUST**  
04-313



**TURQUOISE PAISLEY**  
04-318



**GRIZZLY BROWN**  
04-317



**BLACK DURATEC™**  
04-316

# REBEL



# REBEL

A statement maker with bold graphics and full ventilation, the lightweight Rebel is a trend setter's favorite. The fashionable colors and designs cater to riders who like to match their horse's gear while looking great and being comfortably protected.

## TECHNOLOGIES

**FINISH:** Matte Duratec™

**FIT SYSTEM:** SureFit™ Pro

**HEADLINER:**

- + Removable and washable
- + FlipFold™ fit adjustment
- + Air-Channel technology

**VENTILATION:** Mesh-covered vents

**CERTIFICATION:** ASTM/SEI-certified

## SIZES

SIZE	INCHES	CM	HAT SIZE
S	20 3/4" - 22"	53-56	6 5/8 - 7
M	22" - 22 3/4"	56-58	7 - 7 1/4
L	22 3/4" - 23 1/8"	58-59	7 1/4 - 7 3/8
XL	23 1/8" - 24 3/8"	59-62	7 3/8 - 7 3/4

Size chart is a guide only. Head shapes can be unique, changing what size is needed.



**NAVIGATOR**  
04-280



**NAVAJO**  
04-268



**TURQUOISE ROSE**  
04-275



**ARROW**  
04-270



**DREAMCATCHER**  
04-271



**SOUTHWEST SUNRISE**  
04-281



# DYNASTY



**DYNASTY HELMETS**  
**XSMALL.....54040-30**  
**SMALL.....54040-40**  
**MEDIUM.....54040-50**  
**LARGE.....54040-60**



**FLORAL  
 WATERCOLOR**  
**245**



**LEOPARD/  
 SERAPE/  
 AZTEC**  
**790**



**DESERT  
 SKY**  
**628**

# DYNASTY

Take a ride on the wild side!  
 The Dynasty fuses fashionable graphics with an ultralight low profile design. With large vents providing airflow and a DialFit™ comfort system, this helmet provides unmatched levels of comfort for riders. The Dynasty's trendy designs transform an equestrian helmet into a fashion statement.

## TECHNOLOGIES

**FINISH:** Matte Duratec™

**FIT SYSTEM:** DialFit™

**HEADLINER:**

- + Removable and washable
- + FlipFold™ fit adjustment
- + Air-Channel technology

**VENTILATION:** Mesh-covered vents

**CERTIFICATION:** ASTM/SEI-certified

## SIZES

SIZE	INCHES	CM	HAT SIZE
<b>XS</b>	19 5/8" - 20 3/8"	50-52	6 1/4 - 6 1/2
<b>S</b>	20 3/4" - 22"	53-56	6 5/8 - 7
<b>M</b>	22" - 22 3/4"	56-58	7 - 7 1/4
<b>L</b>	22 3/4" - 23 1/8"	58-59	7 1/4 - 7 3/8

Size chart is a guide only. Head shapes can be unique, changing what size is needed.



# HELMET BRIMMER™



Instantly add full shade and sun protection to most Troxel helmet models with the Helmet Brimmer™. Features a full 4-1/2" wide genuine palm leaf brim with a patent pending helmet attachment system that allows you to securely attach and remove.

**Helmet Brimmer Size A**

**70-141A**

**Helmet Brimmer Size B**

**70-141B**

**NOT COMPATIBLE  
WITH TERRAIN  
HELMETS**

## Helmet Brimmer Sizing Chart

HELMET SIZE	SPIRIT	DAKOTA REBEL INTREPID	LIBERTY	AVALON	CHEYENNE	SIERRA
<b>XS</b>	A	N/A	A	N/A	N/A	N/A
<b>S</b>	A	A	A	A	A	A
<b>M</b>	A	A	A	A	B	A
<b>L</b>	B	A	A	A	B	A
<b>XL</b>	N/A	B	B	N/A	B	B

1. Locate the Troxel helmet model and size of the helmet you have on the chart above.
2. Refer to the size chart to determine if you need size A or B.

\*Helmet Brimmer™ cannot be used with the following helmets: Terrain, Sport, Legacy, non-low profile Spirit and all helmet versions prior to 2014.

\*\*Not suggested for use with the ES model helmets.



Helmet not included



Easy-to-use patent pending attachment system





# ACCESSORIES



**Velvet  
Helmet Cover**  
70-130A



**Water-Resistant  
Helmet Cover**  
70-137A



**Lycra®  
Helmet Cover**  
70-131A



**Winter  
Headliner**  
70-035

**Odor Eliminator Spray**  
69014-04

Neutralize and eliminate helmet odors between rides and headliner washings. Formulated with non-toxic biodegradable ingredients and essential oil-based counteractant for long term odor control. 200+ applications per bottle.



**Helmet Tote Bag**  
70-143

Troxel's premium Helmet Tote Bag is a great way to protect and preserve a helmet. With a plush liner, mesh back for ventilation and shoulder strap for easy transport, it's a perfect complement to any helmet purchase.



**Drawstring Helmet Bag**  
70-142

Troxel's nylon drawstring backpack style bag is a great way to transport a helmet to and from events.



**Ladies' Trucker Style Cap**  
93202-171

Pink 6-panel mesh back cap with adjustable snapback closure and embroidered Troxel® logo.



**Cap**  
93203-00

Black cap with hook and loop closure and embroidered Troxel® logo.



**Knit Cap**  
93201-00

Soft 100% acrylic hat keeps you warm and cozy while sporting the Troxel® logo.

# APPAREL



**Troxel Long Sleeve Blue Mist Hoodie**  
**93164-549**  
**SM, MD, LG, XL**

**Troxel Long Sleeve Aqua Blue Hoodie**  
**93164-550**  
**SM, MD, LG, XL**

Show your love for all things Troxel® with this stylish, warm hoodie. This 100% polyester hoodie looks as good as it feels, balancing comfort with lightweight versatility. It will become a go-to favorite for the colder months. Sizes S-XL.



**Troxel Vintage T-Shirt**  
**93-1312**  
**SM, MD, LG, XL**

Extremely soft tri-blend universal fit short sleeve t-shirt is sure to become a favorite. Features the right amount of stretch, ultra-soft fabric and black heather vintage color for on-trend style. Black. Adult Unisex Sizes S-XL.



**Troxel Short Sleeve T-Shirt**  
**93162-49**  
**SM, MD, LG, XL**

The sporty Troxel® logo looks sharp against this teal tee you'll want to live in. A polyester and cotton blend makes this t-shirt soft and comfortable from the get-go. Teal, Adult Unisex. Sizes S-XL.



**Troxel Men's Pullover Vest**  
**93161-52-00**  
**SM, MD, LG, XL**

**Troxel Ladies' Pullover Vest**  
**93161-53-00**  
**SM, MD, LG, XL**

Keep the warmth centered on your core in our comfortable, 100% polyester Troxel® vest. This water-resistant outerwear is great for layering over a long sleeve shirt. Black, Sizes S-XL.



**Troxel Men's Pullover**  
**93160-52-00**  
**SM, MD, LG, XL**

**Troxel Ladies' Pullover**  
**93160-53-00**  
**SM, MD, LG, XL**

Show your love for all things Troxel® with this stylish pullover. With a trendy, athletic design that looks as good as it feels, this poly/spandex blend pullover features a 1/4 zip mock neck and just the right amount of stretch. It will become a go-to work out favorite. Black, Sizes S-XL.

# FIT A HELMET IN 3 EASY STEPS

## 1 Try

- A) Open the **DialFit™** if the helmet comes with this feature.
- B) Try on the helmet. It should fit snug but not be uncomfortable.



## 2 Adjust

- A) Adjust the inner padding by folding under the **FlipFold™** tabs for more or less cushion.
- B) Adjust the slide glides on the straps to sit underneath the ears to form a "V".
- C) Adjust the length of the retention system straps to fit snug under their jaw and use the o-rings to secure the excess.
- D) To fine tune the fit, engage the **DialFit™** or adjust the slider on the elastic bands of the **SureFit™**.



## 3 Check

With the helmet level on their head, check the fit and straps and make sure the buckle is locked securely.



All Troxel Helmets are ASTM/SEI-certified.

# HELMET SIZE GUIDE

## How to choose a Helmet Size



### 1 Measure

Use a measuring tape to measure around the head one inch above their eyebrows. Or use a string to measure and then lay it out and measure the length of the string.

### 2 Choose Size

Use this chart to convert measurement to hat size:

Head Size (inches)	19 <sup>5/8</sup>	20	20 <sup>3/8</sup>	20 <sup>3/4</sup>	21 <sup>1/4</sup>	21 <sup>5/8</sup>	22	22 <sup>3/8</sup>	22 <sup>3/4</sup>	23 <sup>1/8</sup>	23 <sup>5/8</sup>	24	24 <sup>3/8</sup>
Head Size (centimeters)	50	51	52	53	54	55	56	57	58	59	60	61	62
Hat Size	6 <sup>1/4</sup>	6 <sup>3/8</sup>	6 <sup>1/2</sup>	6 <sup>5/8</sup>	6 <sup>3/4</sup>	6 <sup>7/8</sup>	7	7 <sup>1/8</sup>	7 <sup>1/4</sup>	7 <sup>3/8</sup>	7 <sup>1/2</sup>	7 <sup>5/8</sup>	7 <sup>3/4</sup>

**Disclaimer:** This conversion chart is a guide only and does not constitute a guarantee as to the fit of the helmet. Some people may have a unique head shape changing what size they need. Some helmets fit different shaped heads better than others.

### 3 Select a Helmet

Select the helmet model they would like to purchase and review the specific size range available in that model.





# SAFETY TECHNOLOGY

Helps reduce the impact of rotational energy

## What is MIPS®?

A technology, built into helmets and designed to help reduce rotational motion to the head that could occur in so-called oblique impacts. For certain impacts, the Mips system can reduce harmful rotational motion that might otherwise be transferred to the user's head.

We have over 25 years of research into rotational motion and helmet safety, and an abundance of studies and data that say the same thing: in the vast majority of accidents in which someone hits their head, the impact is oblique, and an oblique impact entails increased the risk of brain damage. The same thing goes for objects falling from above at, for instance, a building site: they cause an oblique impact – even if you are standing still.

## MIPS Means Addressing the Rotational Motion

If you ride, and fall and hit your head, you are likely to experience an oblique impact. The moment your head hits the ground at an angle, rotational motion can make the head rotate more or less, depending on the impacting object or surface. The energy from the impact can be directed further into the head, which can cause brain injury. Rotational motion is thus the result of oblique impacts to the head.

The brain is more sensitive to oblique impacts versus straight impacts. Oblique impacts are also much more common. But most helmets on the market today are only tested and approved for straight impacts, even though these kinds of accidents are far less common.

## How Does the MIPS System Work?

Should you have an accident and hit your head, the Mips system in your helmet is designed to help reduce the rotational motion of certain impacts that may otherwise be transferred to your head.

Mips is designed to help reduce rotational motion to the head in oblique impacts. Everything revolves around Mips low-friction layer. It mimics the brain's own protective system, which allows the brain to move slightly inside the head. The Mips system is designed to work on the same principle. The low-friction layer is built into the helmet and makes the energy-absorbing layers (the "padding") mobile so that the head can move 10–15 mm inside the helmet on impact.



### SAFETY FOR HELMETS



PATENTED SAFETY SYSTEM



LOW FRICTION LAYER



FOUNDED IN SCIENCE

The low friction layer allows a multi-directional movement of 10-15 mm on certain angled impacts, intended to reduce rotational force to the head.



The Mips® safety system is found inside the helmet, generally between the padding and the EPS foam protective and consist of a low-friction layer between the helmet and the head.



# TECHNOLOGIES

Adjustable fit systems provide customers with the opportunity to quickly customize fit. Advantages include: lower inventory requirements and additional helmet room to accommodate unique head shapes and various hairstyles.



## SureFit™ System

The SureFit incorporates elastic straps that self-adjust to the size and shape of the rider's head. With ultra-plush padding, the SureFit provides an unmatched level of comfort and stability.



## DialFit™ System

Soft-touch dial permits quick and precise helmet adjustment for personalized comfort.



## FlexVisor™

Molded from a flexible polymer, Troxel's FlexVisor won't shatter into sharp pieces, reducing the possibility of cuts and scrapes in the event of a fall.



## FlipFold™ Fit Adjustment

The removable and washable FlipFold headliner provides adjustment to the helmet's width to accommodate different head shapes. Adjustment is made by folding over the integrated tabs.

## Duratec™

The Duratec finish provides improved scratch and dirt resistance with a rich matte finish. Duratec™ can be washed with soap and water to restore the original look.



ASTM/SEI Certification – Official safety certification of equestrian safety helmets in the United States. Troxel manufactures only ASTM/SEI-certified helmets. The Safety Equipment Institute (SEI) is an independent, accredited organization that certifies the American Society for Testing and Materials (ASTM) standards are met. The ASTM F-1163 standard for equestrian head gear has been revised numerous times since its initial publication in 1988. Each revision reflects ASTM's technical committee's ongoing effort to clarify, correct or improve the standard and provide consistency in testing. A helmet which has been ASTM-certified to an earlier edition remains certified even though newer models are always certified to the most recent edition.

# DEALER RESOURCES

## Drive Troxel helmet sales with these point of purchase materials

Our sales department is here to help you carry the Troxel Helmets that best meet your needs. We'll be happy to provide you with the top-selling helmets for your business. Contact your account representative for more information.



**SIGN-99**

Find Your Fit Aisle Violator and Hardware, 11" x 14"



### Online Resources

[TROXELHELMETS.COM/DEALERS](http://TROXELHELMETS.COM/DEALERS)

#### Online Service

Place and track orders, review invoices/payments and maintain account information.

#### Media Center

Download logos, product images, lifestyle images and videos to use on your store websites, social media and marketing materials.



**65-4242**

4' Troxel Pop-Out Header and Hardware



**STRIP-23**

2' Troxel Shelf Channel Strip

**65-4307**

Troxel Banner  
48" W x 24" H

**65-4308**

Troxel Banner  
96" W x 48" H



**92101-507**

Terrain Banner  
English  
96" W x 48" H



**92100-507**

Terrain Banner  
Western  
96" W x 48" H



Troxel is proud to offer consumers a 60-Day Test Ride guarantee on the Terrain helmet, the most ventilated equestrian helmet in the industry. If, for any reason, your customers are not completely satisfied with Terrain Helmet, they can simply return it to the place of purchase along with the original receipt within 60 days for a full refund.



**PHONE: 800.288.4280 • FAX: 866.231.0564**  
**EMAIL: [ORDERS@TROXELHELMETS.COM](mailto:ORDERS@TROXELHELMETS.COM)**  
**DEALER RESOURCES: [TROXELHELMETS.COM/DEALERS](http://TROXELHELMETS.COM/DEALERS)**