

COSMAS

ASTECH
MADE IN ITALY

PROFESSIONAL
USE ONLY

ARMOR
COSMAS

2011 COLLECTION

COSMAS®

professional use only



Novation is an original equipment manufacturer specializing in mold design and fabrication, injection molding, composite component fabrication, and manufacturing of components and finished goods for the sporting goods, footwear, and automotive industries. The company's growth strategy includes acquisition and growth of brands that leverage Novation's core strengths to provide these brands with unique and proprietary technologies, resulting in superior performing products and differentiation within their respective markets.



The Brands



Drawing on the technical resources of its parent company, its hand-crafted footwear heritage, and the input and experience of professional firefighters in Europe and the US, Cosmas® offers the latest technological advances in protective footwear for fire services professionals. Cosmas®, the next generation of fire boots, direct from Italy. NFPA-certified structural and wildland firefighting boots, with a reputation as the best fitting, highest quality, high-performance brand of personal protective footwear available. www.cosmasusa.com



A global brand specializing in high performance footwear for mountaineering, backpacking, hiking, and approach, with a reputation for exceptional fit and innovative design. It has a core following of elite athletes, guides, mountaineers, and backpacking and hiking enthusiasts. www.kayland.com



With a focus on boots, the company's patented torsion control system, and use of the highest quality materials including GORE-TEX®, TCX® boots are known worldwide for superior technology, safety, and performance. www.tcxboots.com



We're paid to tell you how good Cosmas is! Here's what firefighters from all over the country are saying about Cosmas. (We didn't pay them!)

On June 2nd, and we made a 3rd alarm fire. We were there for 2 1/2 hours and I have to say these are the best boots I have ever worn on the fire ground. My attention was never drawn to how my feet felt as they were comfortable the entire time. I have always had issues with boots when I have had to wear them on extended fire ground operations. That was not the case this time.

Bob "Doc" Savage
San Antonio, TX
TITAN

As a Chief Officer, I wanted to convey to you how pleased I am with the Cosmas Boots. Having worn the Cosmas Boots for approximately 2 months and having worn them at two incidents that were over 3 hours each, now I will let you know that I would never go back to the competitor Leather Boot. These boots are even more comfortable than the tennis shoes.

Mark D. Nixon, Battalion Chief
Decatur, IL
TITAN

These are bar-none the best boots I have ever used. The pad around the top stops all chafing. I have worn these boots on the drill pad for 6-8 hours a day for a solid week at times with no problems at all. You had to think "Outside the box" to make a boot this firefighter friendly.

Mike Word
Jackson, MI
TITAN

Compared to the other boots I've worn, they step them into the ground! Very pleased with the overall fit, appearance and comfort.

Jonathon Adams
Nicholasville, KY
VULCAN

These are the best bunker boots I've ever worn! At -40 without my wool socks on I was comfortable. The AnkleArmor™ works amazingly well. The soles have great traction on both hard surfaces and ice. Usually it's one or the other. I don't know how they do it, but they even work on vinyl floor with a layer of ice on it. I usually wear out soles in a year and after 6 months, these soles still look brand new. I will never buy anything different.

Andrew Hamlin
North Pole, AK
TITAN AND VULCAN

This boot has all the comfort features which sold me on your structure boots: fit and foot conformity. The Cosmas walking sole forces each step to be a rolling motion from the heel to the toe. I was skeptical about your quick release mechanism for the laces but once I got use to them,

zippers won't be found on my duty boots again. With this addition of this boot, Cosmas Boots will be the only boots on my feet while on duty.

Daren Greening
Denver, CO
HELIOS

We compared the Cosmas sole to the other "leading" sole by standing on 1000 to 1200 degree ash pits for 15 seconds. The "leading" brand had serious deterioration and crystallization at this temperature. Cosmas showed little to no damage from the heat test. I was able to stand in these temperatures while testing the Cosmas sole. In this simple evaluation, Cosmas' sole far exceeded the "leading" brand hands down.

Jason Ramos
Wenatchee, WA
HERCULESV2

I've been involved in wildland/interface fire operations for nearly 40 years and this is the most versatile boot I have ever worn. The fit and overall design has resulted in a boot that is both practical AND comfortable. You would be hard pressed to find a boot which is as serviceable for wildland, interface, and rescue operations as this one.

Dave Golder
San Bernardino, CA
HERCULES V2

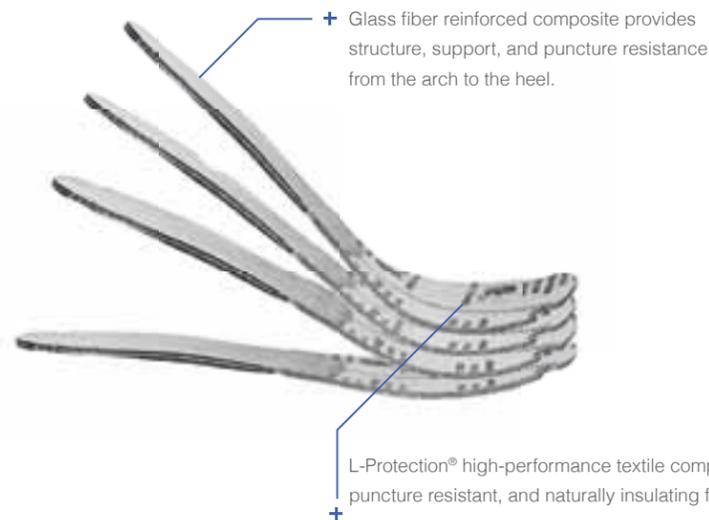
I have a wide flat foot and have trouble finding work boots/shoes that fit. For quite some time I've had to wear steel toe tennis shoes to get a work shoe that fits. This Helios style of Cosmas shoes are the most comfortable work shoes I've had in a very long time. The quarter boot style gives a great deal of support on flat or grass/wildland surfaces. The flexibility of the insert in sizing different widths is a huge bonus. I told Cosmas I was a tough fit, but they've solved my problem. I would highly recommend this boot.

Jim Reidy
San Antonio, TX
HELIOS

VERY comfortable boots! The ankle locks are awesome. They almost feel like sneakers on my feet. I'm very impressed with the traction. I can't wait to walk around in a snow storm! The ankle guards are awesome. I will say, these boots are the most comfortable I have ever worn. They are lightweight and provide excellent protection with the ankle armor and shin plate. My first day...heck my first hour with these boots I responded to a small fire on the exterior of the garage. I remember thinking as I was trotting up the driveway how comfortable the boots were and how positive the footing was.

Nick Cabral
Danbury, CT
VULCAN

MidsoleArmor™



Advanced textile composites such as those manufactured by Lenzi S.p.A. are fast becoming the industry standard for puncture resistant devices in protective footwear. Several of the footwear brands present in the US fire services market are using such materials because they provide enhanced flexibility, do not readily transfer of heat or cold, and, hence, offer the potential for a more comfortable boot.

Cosmas® has taken this concept one step further with its patent pending MidsoleArmor™ solution, which combines a flexible advanced textile composite in the forefoot area with a stiff, sup-

portive glass fiber reinforced composite from the arch back to the heel. This exclusive combination puncture resistant device/ladder shank/midsole provides full-coverage puncture resistance and thermal insulation for the bottom of the foot.

MidsoleArmor™ is stiff and supportive in the heel and arch for stable footing on the ground or on the ladder, yet flexible in the forefoot, allowing your foot to flex naturally. The result is that with Cosmas® boots, you get maximum comfort and maximum performance.

Comfort Fit System

The Cosmas® Comfort Fit System provides the secure support and comfort of a hand-crafted hiking boot in a service boot.

The fit of a boot begins with the form and design of the last. The Cosmas® last is a replica of the human foot, around which only the finest upper materials are stretched to give the boot its internal shape. This shape includes an anatomically correct heel pocket to snugly cradle your heel, comfortably locking it in place to provide a superior fit that is unmatched in the industry. Cosmas® has been taking feedback from male and female firefighters, mountaineering professionals, and emergency servi-



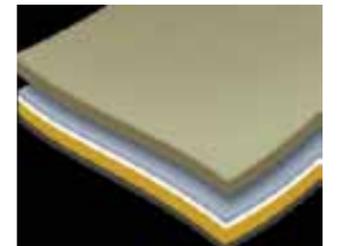
ces, law enforcement, and military personnel for over 40 years to painstakingly develop its lasts and footwear to ensure a superior combination of fit and performance.

CROSSTECH®

CROSSTECH® - Protective leather boots made with CROSSTECH® fabric give firefighters safer mobility and better agility than heavy rubber boots. CROSSTECH® footwear fabric offers superior liquid penetration and thermal protection, while reducing moisture condensation for drier, more comfortable feet.

Advantages

- Superior liquid penetration resistance
- Easy to care for
- Prevents perspiration build-up
- Breathable comfort
- Extremely durable



PROTECTIVE OUTER MATERIAL
CROSSTECH® FOOTWEAR LAMINATES

SCHOELLER® & KERMEL®

SCHOELLER® Textil AG specializes in the development and manufacture of functional fabrics and textiles for active sports, fashion and workwear, providing sector-specific solutions for fire services, military, and industrial.

KERMEL® is Europe's leading meta-aramid fiber designed for protection against heat and flame.

SCHOELLER® fabric upper with KERMEL® provides excellent heat, flame, chemical, and abrasion resistance, yet is 87% lighter than leather.



DAVOS S.P.A.

DAVOS S.P.A. is a world leader in rubber outsole design, development, and manufacturing. Cosmas has partnered with Davos to develop proprietary nitrile rubber outsole materials. Specifically formulated for firefighting, Cosmas outsoles provide superior abrasion resistance and cold temperature traction.



Vulcan 14" BUNKER BOOT FOR STRUCTURAL FIREFIGHTING



- + Low-profile, triple-reinforced pull-on straps help get you in quickly, then stay out of your way.
- + Mesh window for enhanced ventilation
- + Thermoformed tibia guard protects your shins on the ladder.
- + Schoeller® fabric upper with KERMELE® provides excellent heat, flame, chemical, and abrasion resistance, yet is 87% lighter than leather.
- + AnkleArmor™ contoured ankle guards protect ankles from knocks and dings - an industry first by Cosmas®.
- + MidsoleArmor™ combination composite puncture plate/ladder shank/midsole, provides full puncture resistance coverage and thermal insulation for the bottom of the foot. This Cosmas® exclusive, patent-pending construction is stiff and supportive in the heel and arch, yet flexible in the forefoot, allowing your foot to flex naturally.

+ Abrasion, chemical, and flame resistant vulcanized rubber toe cap extends boot life.



US 5 - 13, 14, 15 in D, E, and EEE widths



US 5 - 10 in D, E, and EEE widths

Certified to NFPA 1971, 2007 Edition



+ Integrated stand-off allows for easy removal of the boot.

+ Proprietary, high traction, electrically insulating, oil & heat resistant, vulcanized nitrile rubber outsole equipped with ergonomic HeelRoll™ and ToeSpring™ promotes a natural walking motion. High profile ladder grips prevent slips.

Titan 14" BUNKER BOOT FOR STRUCTURAL FIREFIGHTING



- + Low-profile, triple-reinforced pull-on straps help get you in quickly, then stay out of your way.
- + Soft, full-grain leather collar ensures comfortable calves.
- + Mesh window for enhanced ventilation
- + Thermoformed tibia guard protects your shins on the ladder.
- + AnkleArmor™ contoured ankle guards protect ankles from knocks and dings - an industry first by Cosmas®.
- + MidsoleArmor™ combination composite puncture plate/ladder shank/midsole, provides full puncture resistance coverage and thermal insulation for the bottom of the foot. This Cosmas® exclusive, patent-pending construction is stiff and supportive in the heel and arch, yet flexible in the forefoot, allowing your foot to flex naturally.

+ Abrasion, chemical, and flame resistant vulcanized rubber toe cap extends boot life.



US 5 - 13, 14, 15, 16 in C, D, E, and EEE widths



US 5 - 10 in D, E, and EEE widths

Certified to NFPA 1971, 2007 Edition



+ Proprietary, high traction, electrically insulating, oil & heat resistant, vulcanized nitrile rubber outsole equipped with ergonomic HeelRoll™ and ToeSpring™ promotes a natural walking motion. High profile ladder grips prevent slips.

Hercules V2 9" MOUNTAINEERING BOOT FOR WILDLAND FIREFIGHTING



- + **Soft, full-grain leather collar** ensures comfortable calves.
- + **Durable, one-piece, full-grain leather upper construction.** Fewer seams means more durability.
- + **AnkleArmor™ contoured ankle guards** protect ankles from knocks and dings - an industry first by Cosmas®.
- + **Extended Lacing:** Extends all the way down to the toe to ensure a precision fit.



US 5 - 13, 14, 15
in D, E, and EEE
widths

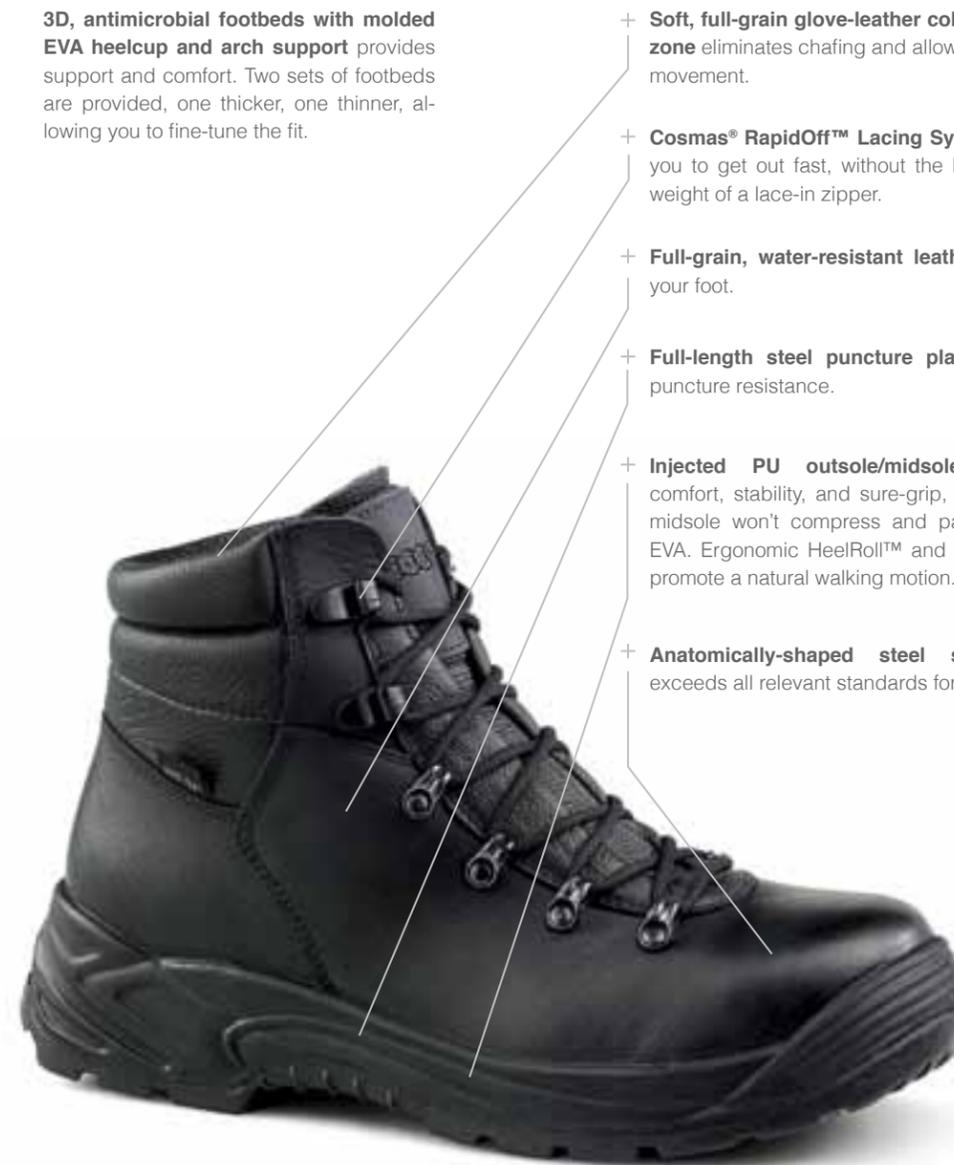
Certified to NFPA
1977

- + **Mountain inspired design:** the first true hiking/mountaineering boot designed and certified for wildland firefighting.



- + **Proprietary, welted, high traction, vulcanized nitrile rubber outsole with a true mountaineering tread design** provides superior grip and stability. Equipped with ergonomic HeelRoll™ and ToeSpring™ to promote a natural walking motion.

Helios 6" STATION BOOT



- + **3D, antimicrobial footbeds with molded EVA heelcup and arch support** provides support and comfort. Two sets of footbeds are provided, one thicker, one thinner, allowing you to fine-tune the fit.

- + **Soft, full-grain glove-leather collar and flex zone** eliminates chafing and allows for natural movement.

- + **Cosmas® RapidOff™ Lacing System** allows you to get out fast, without the hassles and weight of a lace-in zipper.

- + **Full-grain, water-resistant leather** protects your foot.

- + **Full-length steel puncture plate** provides puncture resistance.

- + **Injected PU outsole/midsole** provides comfort, stability, and sure-grip, and the PU midsole won't compress and pack out like EVA. Ergonomic HeelRoll™ and ToeSpring™ promote a natural walking motion.

- + **Anatomically-shaped steel safety toe** exceeds all relevant standards for protection.



US 7 - 13, 14, 15
in E width.
Two sets of removable
insoles with different
thicknesses allow for a
custom fit.

COSMAS® RAPIDOFF™ LACING SYSTEM



Lace the boots normally.



Flip the lateral quick release levers to release the laces.

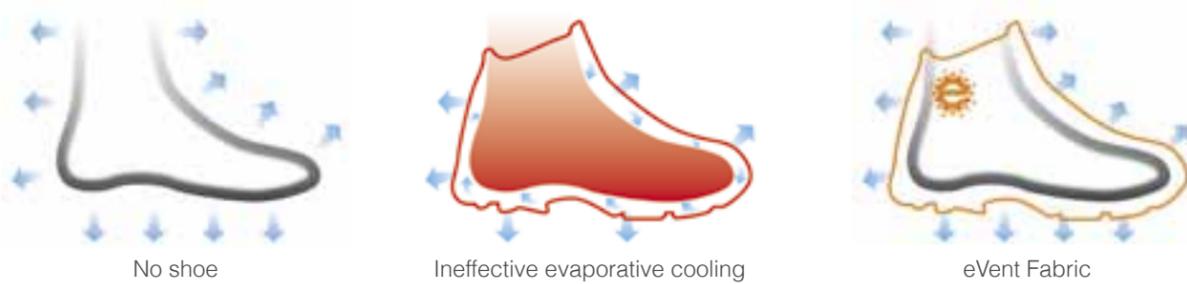


Remove the boot.



EVENT FABRICS: DIRECT VENTING™ TECHNOLOGY

eVent fabrics get their unique properties from a proprietary and patented waterproof membrane. Its unique composition allows millions of tiny pores to breathe at their full potential. Sweat vents directly to the outside of the fabric in one easy step. All eVent fabrics protect you from the wind. Footwear made with eVent Waterproof fabric add another level of protection. Patented surface treatments and fabrication methods keep out water - even hard-driving rains - without blocking those millions of tiny pores that let the sweat out.



eVent Fabrics lets sweat escape up to twice as fast as common waterproof/breathables. eVent fabrics let the sweat out.™

COCONA™ NATURAL TECHNOLOGY™

Activated carbon derived from coconut shells is superior to other materials because of its extreme hardness and extensive and uniform pore structure. No other activated carbon absorbs moisture better. Activated carbon made from coconut shells undergoes Cocona's patented process and is then extruded into man-made fibre. We chose coconut activated carbon because it is a recycled, sustainable material.



VIBRAM®

Vibram is the world leader in high performance rubber soles, targeted to the outdoor, work, recreation, fashion, repair and orthopedic markets.



Hunter USA KBP004M01 • TAN



GOOD FOR 3-SEASON ALL-TERRAIN SEARCH AND RESCUE
A heavy-duty backpacking boot built to provide support and comfort on long-distance trips with heavy loads on rough terrain. A one-piece oiled suede upper with full rubber rand provides protection and ensures durability, while the eVent® Cambrelle® lining keeps you dry and lets the sweat out. The Hunter USA is currently in service with the US military special forces in Afghanistan.

| | |
|---------------------|--|
| UPPER | Oiled sueder 2.8-3.0 mm water repellent + full rubber rand |
| CONSTRUCTION | Board lasted |
| FIT | Comfort |
| LINING | eVent® Cambrelle® |
| MIDSOLE | I.A.D.S Pro |
| SOLE | Vibram Fourà |
| INSOLE | Track |



Vertigo High KBP002M02 • ROPE/COCOA



GOOD FOR 3-SEASON ALL-TERRAIN SEARCH AND RESCUE
This award-winning versatile boot delivers outstanding comfort, traction, and stability whether you're ascending or descending with a 50-pound load, scrambling off-trail, or scaling a via ferrata.

| | |
|---------------------|---|
| UPPER | Suede 1.6/1.8 mm water resistant + Rubber Toe |
| LINING | eVent® Cocona® |
| FIT | Precise |
| CONSTRUCTION | Board Lasted |
| INSOLE | LIGHT |
| MIDSOLE | Shock Absorber Microporous + PU I.A.D.S. |
| SOLE | Vibram® Tsavo |



KBP002W03 • COCOA/GREEN



Kayland® Rugged Outdoor

Products

Zephyr KHK003M03 • SAND



+ Light, fast, and stable, featuring the Kayland Overinjected System, the Zephyr is as close to the concept of the perfect "do-it-all" boot as you're likely to find anywhere.

| | |
|---------------------|--|
| UPPER | Breathable Abrasion Resistant Textile + Overinjected Pu cage |
| LINING | eVent® Cocona® |
| FIT | Precise |
| CONSTRUCTION | Board Lasted |
| INSOLE | Light |
| MIDSOLE | V-K |
| SOLE | Vibram® Mars |



KHK003M01 • MUD



KHK003W02 • SKY

- 8-13, 14 US with half sizes
- 6-10 US available
- 550 GR
-
-
-
-
-
-
-

Crest KMA014M02 • BEIGE/SILVER



+ **GOOD FOR 3-SEASON ALL-TERRAIN SEARCH AND RESCUE AND ROPE RESCUE**

For those people who simply don't want to wear a boot, the Crest provides the support and stability necessary for light backpacking, fast packing, hiking or approach. It's built on the same last as our award winning Zephyr and Vertigo Light. Size down a half size as they run a tad large.

| | |
|---------------------|---|
| UPPER | Suede 1.4-1.6mm + Textile + Rubber Toe |
| LINING | 3D mesh |
| FIT | Precise |
| CONSTRUCTION | Board Lasted |
| INSOLE | LIGHT |
| MIDSOLE | Multilayer Shock Absorber Microporous Eva |
| SOLE | Vibram® Winkler |

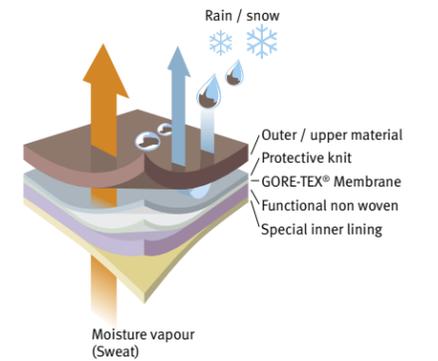
- 8-13, 14 US
- 6,5-10 US available
- 510 GR
-
-
-
-

Materials & Technology

TCX® Motor Boots

GORE-TEX® PERFORMANCE COMFORT FOOTWEAR

- Durably waterproof and breathable
- Optimized climate comfort
- **For moderate conditions**
- Moderately insulating for nominal heat retention



COMFORT FIT SYSTEM



Comfort Fit System, developed as a result of years of TCX® know-how, has always been one of the strong points of touring products. This special and virtually entirely manual technique allows the boot to be shaped on a "mould" that faithfully reproduces the anatomy of the foot, making the product exceptionally comfortable and ideal for prolonged use in different situations.



CE CERTIFICATE

Novation SpA was the first manufacturer to launch professional motorcycling boots with CE certification. All products bearing this marking can be considered personal protective equipment for motorcyclists. CE certification is only issued by an accredited laboratory to products that pass stringent resistance tests performed on products to guarantee the end user the very best protection.



All the CE certificates are available on request.



Impact energy protection of shin and ankles



Upper cut resistance



Abrasion resistance of the outsole



Transverse rigidity of footwear bottom



Abrasion resistance of the upper

Patrol 7027GA



| | |
|-------------------|--|
| UPPER | Full-grain leather |
| LINING | Full GORE-TEX® lining |
| PROTECTION | AnkleArmor™ contoured ankle guards protect ankles from knocks and dings. |
| CLOSURE | Zipper and Velcro; Rear lacing system |
| SOLE | Nitrile rubber sole |

- + **SAFETY** Certified under current European CE Certification standards. This boot can be considered personal protective equipment. Main CE tests include: Impact energy protection of shin and ankles; upper cut resistance; abrasion resistance of outsole; transverse rigidity of footwear bottom; abrasion resistance of the upper. Side band and heel insert of top quality, reflecting material.
- + **SOLE** Nitrile rubber sole provides superior oil and petrol resistance. Anti-static sole is 20% more durable than EN20347 5.8.3 requirements. Shock-absorption in the heel is 60% higher than EN20347 6.2.4 requirements. Excellent grip on urban ground. Certified Slip-Resistant.
- + **COMFORT** COMFORT FIT SYSTEM. C.F.S. anatomically shaped heel pocket snugly cradles your heel, comfortably locking your heel in place to provide a fit that is unmatched in the industry. Padded shin protection. Anatomical last provides enhanced fit and support for all day comfort. Superior stability for both riding and walking. Breathability is 280% higher than EN20347 5.4.6 requirements. A US M's 9 weighs only 3.74 lbs per pair!
- + **QUALITY** Full GORE-TEX® provides waterproof protection in every climate condition. 2 mm thick full grain Italian leather. Removable, anatomically shaped, moisture wicking insole.

40 - 49 EU
7 - 14 US



+ Waterproof



+ Breathable



Infinity GORE-TEX® 7151G • BLACK



| | |
|-------------------|---|
| UPPER | Full grain leather |
| LINING | GORE-TEX® membrane |
| PROTECTION | malleolus; polyurethane shift pad, shin plate, suede leather heat guard |
| CLOSURE | 2 polyurethane adjustable buckles |
| FOOT BED | anatomic, replaceable |
| SOLE | touring sole, with specific design ideal for wet ground |

+ Suede heat guard

+ PU buckle, interchangeable



+ Special high grip sole

41 - 48 EU
8 - 13 US



+ Waterproof



+ Breathable

X-Five Plus GORE-TEX® 7109G • BLACK



| | |
|-------------------|---|
| UPPER | Full grain leather with front and rear padded area for a better comfort |
| LINING | GORE-TEX® membrane |
| PROTECTION | ANKLE IMPACT protection, new shift pad integrated in the sole, shin plate with embossed logo, reinforced heel & toe counter |
| FOOT BED | anatomic and replaceable |
| SOLE | Touring sole with specific grip area and superior stability |

+ Shift pad

+ Shin plate with embossed logo

+ Ankle impact protection

+ Sole with increased grip and stability level

40 - 48 EU
7 - 13 US



+ Waterproof



+ Breathable

X-Action WATERPROOF 7142W • BLACK



| | |
|-------------------|---|
| UPPER | leather and micro fibre, front and rear padded area for a better comfort, rear reflexing insert |
| LINING | waterproof |
| PROTECTION | new malleolus protection, shin plate, polyurethane shift pad integrated in the sole |
| FOOT BED | anatomic and replaceable |
| SOLE | new touring sole, bi-injected with specific grip area and superior stability |

40 - 48 EU
7 - 13 US



+ Waterproof



+ Breathable



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