

NEW

# 9065/GA Challenger boot

FIRE FIGHTERS



LEATHER TRANSPARATION  
+400%

HEAT INSULATION  
+20%

LONG LASTING SOLE  
+30%

SOLE BONDING STRENGTH  
+80%

HEEL ENERGY ABSORPTION  
+90%

- CHAIN SAW CUT RESISTANT CLASS 3
- The only fire-fighter boot offering chain-saw cut resistance Class 3 currently in the market
- new anti-perforation insole Novation JFS offering penetration resistance over 60% than EN ISO 20345 6.2.1.1 standard requirement, when tested at zero mm perforation
- Ankle protection and new abrasion-resistant rubber overcap with profiles to reduce the grade of wear and tear
- Good stability both for walking and running
- Total opening zipper easy and fast to clean
- High quality materials for a long lasting boot
- High visibility PPE thanks to the red reflecting insert
- Lining: GORE-TEX® Performance Comfort footwear, excellent for various climate conditions and for outdoor activities
- Padded rear and front flexors for an increased fitting comfort
- Rear and front pull-on loops
- Extremely comfortable for long-day usage (breathability is 400% better than EN20345 5.4.6 standard requirement)
- The heat insulation (sandbath test) is 20% higher than EN15090 6.3.1 standard requirements
- Excellent grip on uneven grounds (the outsole is 30% more durable than EN20345 5.8.3 standard requirement)
- The sole bonding strength is 80% higher than EN20345 5.3.1.2 standard requirements
- The energy absorption in the heel area is 90% higher than EN20345 6.2.4 standard requirements
- Outsole resistant to fuel oil
- New tread with red cleats to monitor the wearing level of the outsole (according to EN 15090 Annex C Figure C.1e).



## Article Description: CHALLENGER BOOT

**Article number:** 9065 GA

### Upper leather

Full-grain cowhide leather, waterproofed, black, 2.0-2.2 mm thick

### Top lining

Soft full-grain leather, waterproofed, black, 1.0-1.1 mm. thick

### Lining

Seam sealed 4-ply laminate (GORE-TEX® DURACOM CAMBRELLE) bootie construction:

- Layer 1 Abrasion-proof lining Cambrelle® 100% PA
- Layer 2 Insulating felt for transporting water Vapour 100% PES
- Layer 3 Waterproof and water vapour permeable membrane ePTFE
- Layer 4 Backing fabric knit 100% PA

### Reflecting insert

Reflex Scotchlite 3M material, red.

### Toe cap

Very light aluminium toe cap (~40% compared to steel), asymmetric with supporting base, resistant to 200 Joule, manufactured and tested according to EN 12568. It is positioned between the leather upper and the lining, it cannot be removed without damaging the whole boot. A plastic soft padding on the upper edge of the cap protects the feet while flexing.

### Heel cap

1.8 mm resinated synthetic bonded fabric, thermally mouldable, glued to upper material.

### Upper cap

Abrasion-resistant flame-proof rubber mixture, black, 3.0 mm thick, with profiles to limit the wear and tear, glued to the upper leather using special PU cement.

### Heel reinforcement

Abrasion-resistant flame-proof rubber mixture, black, 3.4 mm thick, with profiles to facilitate the removal of the boot. Provided with an interchangeable tag of Zama material, customizable by laser engraving.

### Chainsaw reinforcement

Para-Aramid woven fabric (Kevlar®), 3-layers construction.

### Ankle protection

Heat moulded material with shock-absorbing properties.

### Zip-closure

New Jolly rapid off-system with total opening zipper: the zip closure is made with the same leather quality of the upper and completed with 10 couples of nickel-free eyelets, non rusting, with a 5 mm inside diameter. The metal slider is running on plastic teeth, which are protected by leather on the front part.

### Sewing thread

Kevlar® Filament, permanent flame-retardant, water-repellent finish, red.

### Eyelets

Burnished brass, non rusting, 5 mm inside diameter.

### Laces

Meta-Aramid Filament (Nomex®) round laces, fire-resistant and water-repellent treated.

### Lace-clip

At the ends of the lace are positioned 2 plastic clips with an inside spring system, to allow the optimum lace fixing.

### Foot-bed

Anatomically shaped, made out of a layer of moisture transmitting felt (80% PES-20% VISCOSE), and with an upper covering made of anti abrasion non woven material 100% PA. In the heel area is positioned an insert of EVA foam for the best comfort of the foot enabling to preserve the foot anatomy and to increase the energy absorption on the heel.

### Insole

Average 7 mm thick insole made by a multilayer construction using the special Novation-JFS antiperforation composite material, with a plastic reinforcement as stabilizer and completed with a felt filler on the bottom. Certified according to EN 12568:2010 and offering increased penetration resistance when tested at zero mm perforation. Textile antiperforation insoles, compared to the old style metal plates, offer considerable ergonomics and safety advantages: more protective surface, flexibility, insulation, humidity and impact absorption, reduced weight.

### Sole

New nitrile rubber cemented sole, heat resistant at 300°C, antistatic, oil and petrol resistant, slip-resistant SRC, high wear-resistant. The red cleats of the tread enable the wearer to monitor the wearing level of the outsole (according to EN 15090 Annex C Figure C.1e). Self-cleaning and foreign objects + debris free granted by the peculiar structure of cleats and running surface. The high energy absorption in the heel area is given by the rubber compound of the outsole and by the height and shape of its cleats. The height and shape of its inner net, with air cushion, improve both shock absorbing but also thermal properties.

### Weight/pair

abt 2970 g (size 42)

### Back height

abt 30 cm (sole included) (size 42)

### CE Certificate

EN 15090:2006 F2A HI3 CI AN SRC - EN ISO 17249:2007 for CHAINSAW cut resistance Class 3 Category III P.P.E

### Size range

36 - 49 (50/51/52 supplied as specials)