



AMPERE

SB FO E PL CI WPA SC SR

3L166MG

CE EN ISO 20345:2022+A1:2024 SB FO E PL CI WPA SC SR

ANKLE SAFETY SHOE

36-49

DIELECTRIC Sole line

Low-cut WPA safety shoe made of On Dura® technical fabric, laser-worked with high-tenacity fibers, breathable and abrasion-resistant, combined with Rubber B-tech microfiber with a thickness of 1.8-2.0 mm. TPU toe cap cover, ideal for protecting against abrasion.

The heel area is reinforced with tear- and abrasion-resistant microfiber, with an anti-slip structure that helps stabilize the foot during movement.

Soft, lined and padded tongue.

COMPLETELY METAL-FREE FOOTWEAR.

TOE CAP 200J polymer-based composite, **non-thermal**, compliant with EN 22568

MIDSOLE PL insulating composite fabric, flexible anti-perforation, compliant with EN 22568

OUTSOLE 3CLOUD three-density polyurethane, dielectric, resistant to hydrolysis ISO 5423:92, hydrocarbons and abrasion, shock-absorbing and slip-resistant.

INSOLE DIELECTRIC bimaterial extra-comfort insole with activated carbon, breathable, removable, anatomical, absorbent, insulating and antibacterial. Eco-friendly, sustainable product.

FO outsole resistance to hydrocarbons

E energy absorption in the heel area

PL outsole resistance to perforation

CI cold insulation of the outsole down to -17°C

SC abrasion resistance of the toe cap cover

SR slip resistance

THIS PRODUCT COMPLIES WITH THE REQUIREMENTS OF ASTM F2413-24

STANDARD:

- Impact-resistant footwear (I)
- Compression-resistant footwear (C)
- Puncture-resistant footwear (PR)
- Electrical hazard-resistant footwear (EH)
- Slip resistance (SRO)

Sizes 36-49 Weight per shoe size 42 565g

* The calculated weight excludes laces and insoles.

AREAS OF APPLICATION



Automotive Components



Electrician

CERTIFICATIONS APPLIED



Water Penetration and Absorption (WPA)



ASTM F2413-24



DGVV 112-191



PL Puncture Resistance with Non-Metallic Insert (nail Ø 4.5mm)



Heel Energy Absorption



Toe Cap Abrasion Resistance



Hydrocarbon Resistance

TECHNOLOGIES AND MATERIALS



No metal



Metal-Free



Mondo Point 11



Cold Insulating Outsole



Slip Resistance (optional glycerin test)



Three to be™ - Triple Density Injection



Three to be™ - Triple Density Injection

Three to Be® - Tripla Densità Iniettata technology represents one of the most advanced results of our R&D efforts. Patented by Giasco, it integrates three entirely polyurethane-injected sole layers to optimize safety shoe performance in terms of comfort, stability, and slip resistance.

DIELECTRIC Sole line

Dielectric sole line was developed to meet the needs of those working in contact with electrical cables and systems. Specifically, this line offers a safety shoe with an insulating sole that provides specific protection against the risk of electric shock. This is made possible by a series of insulating materials specifically designed for this purpose: the nitrile rubber compound of the outsole, the polyurethane foam of the midsole, the fabrics of the puncture-resistant insole, and the compound of the internal footbed. These technologies enabled the shoes to pass electrical resistance tests in accordance with the analogous method of the EN ISO 20344:2021 standard and ASTM F2413 (EH) / CSA Z195-14 at 20 kV/60 Hz. In addition, the specific materials used in the sole construction allowed the product to obtain the important American certification ASTM 2413-24 EH (Electric Hazard Resistant Footwear).

