

# TESLA SB FO E P CI HI WRU WR HRO

HRD057E

CE UNI EN ISO 20345:2012 SB FO E P CI HI WR WRU  
HRO SRC

High shoe, WRU anti-scratch back leather thickness 1,8-2,0 mm.  
Perspiring and abrasion resistant fabric lining.  
Soft, Windtex® water resistant membrane lining, with very good perspiration and abrasion resistance.  
Shoe with refracting fabric insert. Soft, lined and padded tongue.  
**COMPLETELY METAL FREE SHOE**

**TOECAP 200J** polymeric **composite non-thermic** according to EN 12568

**MIDSOLE flexible antiperforation composite INSULATING fabric** according to EN 12568

**SOLE HARD ROCK INSULATING** bidensity polyurethane and **INSULATING RUBBER** resistant to hydrolysis ISO 5423:92, to hydrocarbons and to abrasion, anti-shock and anti-slipping **SRC**

-- **The bottom of the shoe**, within some limits (no humidity, it doesn't concern the upper), offers electrical resistance against tension up to 1.000V -  $M \Omega > 1.000$

-- **Electrical resistance:** CSA Z195-14 Canadian standard increase 1 kV/sec - voltage 20.000V /60 hz - duration 1 minute

-- **Electrical resistance:** ASTM F2413-11 standard increase 1 kV/sec □ voltage 20.000V/60 Hz □ duration 1 minute

Electric flow requirement less than 1,0 mA

**DIELECTRIC INSOLE**, removable, anatomic, absorbing, insulating and perspiring

**FO** sole resistance to hydrocarbons

**E** energy absorption on seat region

**P** antiperforation midsole

**CI** cold insulation of sole complex -17°C

**HI** heat insulation of sole complex

**HRO** resistance to hot contact of the outsole

**WR** water resistant shoe

**Size 39-47 Shoe weight Sz 42 gr 625**



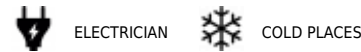
## CERTIFICATIONS



## TECHNOLOGIES AND MATERIALS



## SECTORS



## SOLE



Hard Rock Dielectric is the specific shoe for people who work with electrical cables and are more exposed to a danger of electrocution. This is possible thanks to the rubber compound of the shoe which assures a complete protection from the discharges from the ground. Thanks to these specific materials we obtained 3 important sector certifications: canadian (C.S.A. Z195-14), and american (ASTM 2413-11) for the electrical resistance to 20.000V for 1 minute; the European one for the electrical resistance more than 1000MΩ.

## ANTISLIPPING TEST RESULTS

## PLUS



### WINDTEX®

Windtex® is an innovative membrane that blocks wind and water, by guaranteeing at the same time a homogeneous transpiration of the foot. The degree of transpiration of Windtex® together with windproof property, allow the maintenance of microclimate of the shoe. This membrane, with technology Aegis®, builds and antimicrobial barrier against unpleasant odors, fungi and other microorganisms.



### ZERO ABRASION

The Zero Abrasion technology is an anti-scratch leather, finished with a polyurethane multi-layer, that assures a complete protection of the upper against usury and abrasion. Highly resistant to water and oils, this leather is suitable for people who like wearing always clean and nice shoes even after months of usage.

ANTISLIPPING TEST RESULTS



**SRC**

ANTI-SLIPPING SOLE

<b>SRA</b>		
ceramic +	HEEL >= 0,29	0,31
NaLS	FLAT >= 0,32	0,32

<b>SRB</b>		
steel +	HEEL >= 0,16	0,20
glycerol	FLAT >= 0,23	0,28