



Area of use*



Technical features

Metal free, low cut safety shoes.

Upper: reinforced fabric (polyester), TPU frame.

Lining: textile.

Tongue: comfortable padding, with gusset.

Toe cap: composite shockproof 200J.

Insole: ergonomic in preformed PU.

Pierce resistant midsole: high tenacity textile.

Sole: polyurethane double-density.

Colour: black, grey and red.

Sizes: 36 to 47.

Packaging: carton of 10 pairs.

Subpackaging: individual box.

Weight: 600 g (Approximative weight of a shoe, size 42).



Advantages

Suitable for all users with a wide choice of shoe sizes.

Resistance to hydrocarbons thanks to the injected (polyurethane double-density) sole.

Flexibility and protection thanks to pierce resistant midsole made of high tenacity textile.

Metal free shoes.

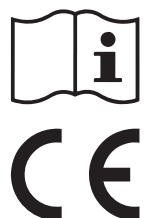


FOOT
Protection

Certification

This product complies with **European Regulation (EU) 2016/425** on Personal Protective Equipment (PPE). **Category II**. Issued by **TUV RHEINLAND**, notified body n°0197.

EN ISO 20345 : 2022 (S3S FO SR)



Download the EU declaration of conformity on <http://docs.singer.fr>

STANDARDS (2022)

| | |
|--------------|---|
| EN ISO 20344 | Personal protective equipment: Test methods for footwear. |
| EN ISO 20345 | Safety footwear: Toe protection against shocks (200 J) and the risks of flattening (15 kN). |
| EN ISO 20346 | Protective shoes: Toe protection against shocks (100 J) and the risks of flattening (10 kN). |
| EN ISO 20347 | Occupational footwear: No specification about toe protection. |

SLIP RESISTANCE

| | | |
|----|---------------------|--|
| SB | Basic properties | On ceramic surface, covered with SLS. |
| SR | Optional properties | On ceramic surface, covered with glycerol. |

EN ISO 20345 - SHOES CLASS

| | | |
|-----|---------------|--|
| SB | Class I ou II | Basic properties |
| S1 | Class I | SB + Closed backpart + Antistatic shoes (A) + Energy absorption of the heel (E) |
| S2 | Class I | S1 + Water penetration and absorption resistance of the upper (WPA) |
| S3 | Class I | S2 + Metal pierce resistant midsole (P) + Studded sole |
| S3L | Class I | S2 + Metal free, pierce resistant midsole (PL) + Studded sole |
| S3S | Class I | S2 + Metal free, pierce resistant midsole (PS) + Studded sole |
| S6 | Class I | S2 + Water resistance of the whole footwear (WR) |
| S7 | Class I | S3 + Water resistance of the whole footwear (WR) |
| S7L | Class I | S3L + Water resistance of the whole footwear (WR) |
| S7S | Class I | S3S + Water resistance of the whole footwear (WR) |
| S4 | Class II | SB + Closed backpart + Antistatic shoes (A) + Energy absorption of the heel (E) |
| S5 | Class II | S4 + Metal pierce resistant midsole (P) + Studded sole |
| S5L | Class II | S4 + Metal free, pierce resistant midsole (PL) + Studded sole |
| S5S | Class II | S4 + Metal free, pierce resistant midsole (PS) + Studded sole |

USED MATERIAL CLASS

| | |
|----------|--|
| Class I | All leather and other materials (except for all rubber or all polymer) |
| Class II | All rubber (fully vulcanised) or all polymer (fully moulded). |

EN ISO 20345 - OPTIONAL REQUIREMENTS











| | |
|-----|--|
| E | Energy absorption of the heel |
| P | Metal pierce resistant midsole |
| PL | Metal free, pierce resistant midsole (tested with broad tip) |
| PS | Metal free, pierce resistant midsole (tested with fine tip) |
| CR | Cut resistant upper |
| M | Shockproof metatarsal protection |
| C | Conductive shoes |
| A | Antistatic shoes |
| HI | Insulation sole against contact heat |
| CI | Insulation sole against cold |
| HRO | Contact heat resistant outsole compound |
| WPA | Water penetration and absorption resistance of the upper |
| WR | Water resistance of the whole footwear |
| AN | Malleoli protection |
| SC | Stone guard resistance to abrasion |
| SR | Slip resistance (ceramic surface + glycerin) |
| FO | Resistance to fuel oil |
| LG | Grip system for ladder |

EN 61340-4-3 - ELECTROSTATIC (ESD)

Shoes that cover this standard are «dissipative». This standard defines the shoes that protect electronic equipment against an electrostatic discharge.

Electrical resistance: < 1 Ω x 10⁹. Antistatic shoes are not necessarily ESD.

ADVANTAGES

| | | | |
|---|---|---|---|
|  | Slip resistance |  | Studded sole |
|  | Antiperforation steel sole (1100N) |  | Antiperforation high tenacity textile sole (1100N) |
|  | Shockproof steel toe cap (200J) |  | Shockproof composite toe cap (200J) |
|  | Antistatic properties |  | Water penetration resistance |
|  | Resistance to fuel oil |  | Energy absorption of the heel |