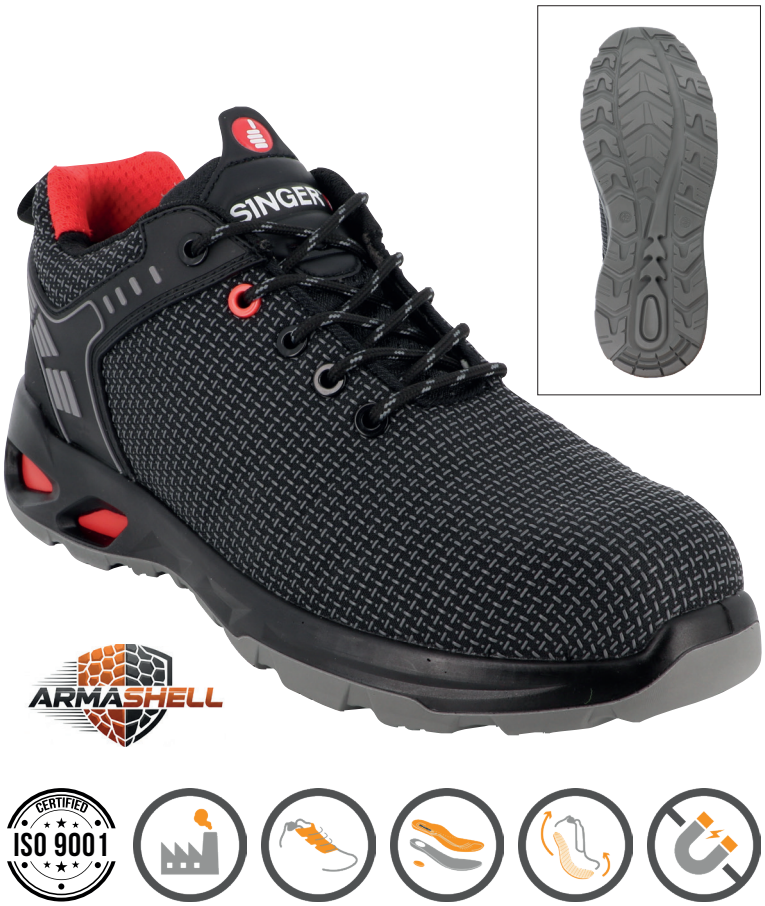
ARMADILLO



Area of use*

LIGHT INDUSTRY | FINISHINGS | MAINTENANCE | TRANSPORT | LOGISTICS

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 with foam insert.
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**

(*) Example of use given as a guide only. The end user must check whether the product is suitable or not for the intended use. Before any use, read carefully the instructions enclosed with the product.

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 10^8. 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 esistance**
	**Resistance to fuel oil**		**Energy absorption of the heel**