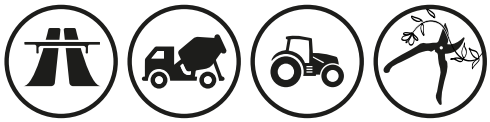
GAIA

Area of use*



Technical features

Metal free, safety boots.
Upper: water repellent full grain leather.
Lining: waterproof membrane and textile.
Toe cap: composite shockproof 200J.
Insole: ergonomic in preformed PU.
Pierce resistant midsole: high tenacity textile.
Sole: polyurethane double-density.
Colour: brown and black.
Sizes: 39 to 47.
Packaging: carton of 5 pairs.
Subpackaging: individual box.
Weight: 930 g (Approximative weight of a shoe, size 42).

Advantages

Fully waterproof for working in humid environments.
Excellent grip thanks to the notched sole.
Flexibility and protection thanks to the pierce resistant midsole made of high tenacity textile.
Resistance to hydrocarbons thanks to the injected (polyurethane double-density) sole.

FOOT
Protection

Certification

This product complies with **European Regulation (EU) 2016/425** on Personal Protective Equipment (**PPE**). **Category II.** Issued by **SGS**, notified body n°**0598**.

EN ISO 20345 : 2022 + A1 : 2024 (S7S FO SR LG SC)

Download the EU declaration of conformity on **https://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. Exclusive sale to professionals.

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.

SHOES CLASS

OB	Class I ou II	Basic properties (EN ISO 20347)
SB	Class I ou II	Basic properties (EN ISO 20345)
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).

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 IEC 61340-5-1 - 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**