



Heavy

PLUTO EH **SB**

PLUTO-EH

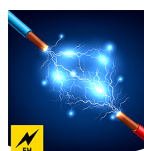
EH-rated, low-cut puncture and slip resistant safety shoe

The low-cut PLUTO-EH is a lightweight, metal-free safety shoe offering maximum protection and comfort. Suitable for diverse industries and environments, with features like electrical hazard protection, and oil & fuel-resistant outsole.

Upper	Pull-up Leather
Lining	Mesh
Footbed	SJ foam footbed
Midsole	Textile
Outsole	PU/TPU
Toecap	Composite
Category	SB / P (Composite), E, FO, EH, SRC
Size range	EU 35-47 / UK 3.0-12.0 / US 3.0-13.0 JPN 21.5-31 / KOR 230-310
Sample weight	0.722 kg
Norms	ASTM F2413:2018 EN ISO 20345:2011

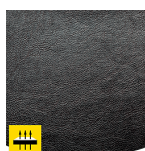


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Electrical hazard (EH)

Electrical hazard (EH) rated safety shoes have nonconductive outsoles. As a secondary source of protection they reduce the potential for electric shocks under dry conditions.



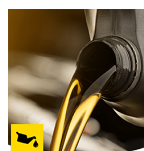
Breathable leather upper

Natural leather provides a high degree of wearer comfort combined with durability in versatile applications.



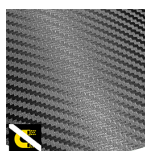
Composite toecap

Metalfree and lightweight, no thermal or electrical conductivity



Oil & fuel resistant

The outsole is resistant against oil and fuel.



Metal free

Metal free safety shoes are in general lighter than regular safety shoes. They are also very beneficial for professionals who have to pass through metal detectors several times a day.

Industries:
Automotive, Catering, Chemical, Cleaning, Construction, Food & beverages, Logistics, Mining, Oil & Gas, Industry

Environments:
Cold environment, Dry environment, Muddy environment, Uneven surfaces, Wet environment

Maintenance instructions:
To extend the life of your shoes, we recommend to clean them regularly and to protect them with adequate products. Do not dry your shoes on a radiator, nor nearby a heat source.

	Description	Measure unit	Result	EN ISO 20345
Upper	Pull-up Leather			
	Upper: permeability to water vapor	mg/cm²/h	2.0	≥ 0.8
	Upper: water vapor coefficient	mg/cm²	16.3	≥ 15
Lining	Mesh			
	Lining: permeability to water vapor	mg/cm²/h	51.9	≥ 2
	Lining: water vapor coefficient	mg/cm²	415.5	≥ 20
Footbed	SJ foam footbed			
	Footbed: abrasion resistance (dry/wet) (cycles)	cycles	25600/12800	25600/12800
Outsole	PU/TPU			
	Outsole abrasion resistance (volume loss)	mm³	41.8	≤ 150
	Outsole slip resistance SRA: heel	friction	0.37	≥ 0.28
	Outsole slip resistance SRA: flat	friction	0.32	≥ 0.32
	Outsole slip resistance SRB: heel	friction	0.16	≥ 0.13
	Outsole slip resistance SRB: flat	friction	0.18	≥ 0.18
	Antistatic value	MegaOhm	N/A	0.1 - 1000
	ESD value	MegaOhm	N/A	0.1 - 100
	Heel energy absorption	J	35	≥ 20
Toecap	Composite			
	Impact resistance toecap (clearance after impact 100J)	mm	N/A	N/A
	Compression resistance toecap (clearance after compression 10kN)	mm	N/A	N/A
	Impact resistance toecap (clearance after impact 200J)	mm	16.5	≥ 14
	Compression resistance toecap (clearance after compression 15kN)	mm	21.0	≥ 14

Sample size: 42

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