



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
Midssole	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.



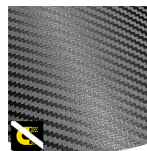
### Composite toecap

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
<b>Upper</b>	<b>Pull-up Leather</b>			
	Upper: permeability to water vapor	mg/cm <sup>2</sup> /h	2.0	≥ 0.8
	Upper: water vapor coefficient	mg/cm <sup>2</sup>	16.3	≥ 15
<b>Lining</b>	<b>Mesh</b>			
	Lining: permeability to water vapor	mg/cm <sup>2</sup> /h	51.9	≥ 2
	Lining: water vapor coefficient	mg/cm <sup>2</sup>	415.5	≥ 20
<b>Footbed</b>	<b>SJ foam footbed</b>			
	Footbed: abrasion resistance (dry/wet) (cycles)	cycles	25600/12800	25600/12800
<b>Outsole</b>	<b>PU/TPU</b>			
	Outsole abrasion resistance (volume loss)	mm <sup>3</sup>	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
<b>Toecap</b>	<b>Composite</b>			
	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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