

Light

LIGHTSTAR EH SB

LIGHTSTREH

Lightweight EH Safety Shoes

Lightweight, metal-free safety shoe with cushioning, grip and EH protection – built for comfort and stability in dry, light-duty environments.

Upper	Synthetic, 3D-Mesh
Lining	Recycled Mesh
Footbed	SJ foam footbed
Midsole	Anti-puncture Textile
Outsole	EVA/Rubber (NBR)
Toecap	Composite
Category	SB / PS, SR, SC, E, HI, CI, HRO
Size range	EU 35-47 / UK 3.0-12.0 / US 3.0-13.0 JPN 21.5-31 / KOR 230-310
Sample weight	0.446 kg
Norms	EN ISO 20345:2022+A1:2024 ASTM F2413:2024



BLK



Slip resistance (SR)

Replaces the previously used term of SRA+SRB=SRC. SR means the slip test has been executed on tiles contaminated with soap and with oil.



Puncture resistant lightweight

Metal free, super flexible and ultralight puncture resistant midsole. Covers 100% of the bottom area of the last, no thermal conductivity.



Composite toecap

Metalfree and lightweight, no thermal or electrical conductivity



Removable insole

Renew your insole at a regular base or use your own orthopedic insoles for a higher comfort.



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.

Industries:

Assembly, Automotive, Industry, Oil & Gas

Environments:

Dry environment, Uneven surfaces

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	Synthetic, 3D-Mesh			
	Upper: permeability to water vapor	mg/cm ² /h	33.2	≥ 0.8
	Upper: water vapor coefficient	mg/cm ²	265.5	≥ 15
Lining	Recycled Mesh			
	Lining: permeability to water vapor	mg/cm ² /h	86.31	≥ 2
	Lining: water vapor coefficient	mg/cm ²	691	≥ 20
Footbed	SJ foam footbed			
	Footbed: abrasion resistance (dry/wet) (cycles)	cycles	Dry 25600 cycles/Wet 12800 cycles	25600/12800
Outsole	EVA/Rubber (NBR)			
	Outsole abrasion resistance (volume loss)	mm ³	102.2	≤ 150
	Basic Slip resistance - Ceramic + NaLS - Forward heel slip	friction	0.49	≥ 0.31
	Basic Slip resistance - Ceramic + NaLS - Backward forepart slip	friction	0.46	≥ 0.36
	SR Slip resistance - Ceramic + glycerin - Forward heel slip	friction	0.36	≥ 0.19
	SR Slip resistance - Ceramic + glycerin - Backward forepart slip	friction	0.34	≥ 0.22
	Antistatic value	MegaOhm	N/A	0.1 - 1000
	ESD value	MegaOhm	N/A	0.1 - 100
	Heel energy absorption	J	27	≥ 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	17.0	≥ 14
	Compression resistance toecap (clearance after compression 15kN)	mm	23.0	≥ 14

Sample size: 42

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