Light

FREEDOM S1PS MID

FYTS1PSMID

Lightweight Safety Shoes S1PS Mid

Free your toes with FREEDOM S1PS MID. The anatomically shaped toe cap supports barefoot-like walking. Lightweight, breathable and metal free.

Upper	Textile
Lining	Recycled 3D-Mesh (100% recycled)
Footbed	SJ Recycled Foam Footbed (96% recycled)
Midsole	Anti-Puncture Nonwoven
Outsole	ETPU/Rubber (NBR)
Toecap	Nano Carbon
Category	S1 PS / SR, SC, FO, HI, HRO, CI, ESD
Size range	EU 35-50 / UK 3.0-14.0 / US 3.0-15.0 JPN 21.5-33.0 / KOR 230-330
Sample weight	0.585 kg
Norms	EN ISO 20345:2022+A1:2024 ASTM F2413:2024

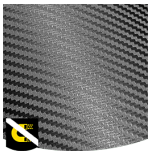
BLK

Barefoot-like walking
Anatomical toecap: barefoot-like walking for natural movement and reduced fatigue.

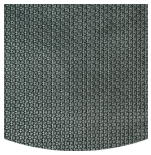
Heel energy absorption
Heel energy absorption reduces the impact of jumps or running on the body of the wearer.

Nano carbon toecap
Ultralight high-tech material, metalfree with no thermal or electrical conductivity.

Breathable upper
Increased moisture and temperature management for extended wearer comfort.



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.



Rubber outsole
Rubber outsoles provide versatile functions that make them suitable for many areas of application: excellent cut resistance, heat and cold resistance, high flexibility at cold temperatures, resistance against oil, fuel and many chemicals.

Industries:
Assembly, Automotive, Industry, Logistics

Environments:
Dry environment, Extreme slippery 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	**Textile**			
	Upper: permeability to water vapor	mg/cm^2/h	32.71	≥ 0.8
	Upper: water vapor coefficient	mg/cm^2	262	≥ 15
Lining	**Recycled 3D-Mesh (100% recycled)**			
	Lining: permeability to water vapor	mg/cm^2/h	37.07	≥ 2
	Lining: water vapor coefficient	mg/cm^2	297	≥ 20
Footbed	**SJ Recycled Foam Footbed (96% recycled)**			
	Footbed: abrasion resistance (dry/wet) (cycles)	cycles	Dry 25600 cycles/Wet 12800 cycles	25600/12800
Outsole	**ETPU/Rubber (NBR)**			
	Outsole abrasion resistance (volume loss)	mm^3	114	≤ 150
	Basic Slip resistance - Ceramic + NaLS - Forward heel slip	friction	0.47	≥ 0.31
	Basic Slip resistance - Ceramic + NaLS - Backward forepart slip	friction	0.45	≥ 0.36
	SR Slip resistance - Ceramic + glycerin - Forward heel slip	friction	0.35	≥ 0.19
	SR Slip resistance - Ceramic + glycerin - Backward forepart slip	friction	0.32	≥ 0.22
	Antistatic value	MegaOhm	42.6	0.1 - 1000
	ESD value	MegaOhm	20	0.1 - 100
	Heel energy absorption	J	33	≥ 20
Toecap	**Nano Carbon**			
	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	23.0	≥ 14

Sample size: 42

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