SAFETY JOGGER
INDUSTRIAL



Light

FREEDOM S1PS LOW

FYTS1PSL

Lightweight Safety Shoes With Extra-Wide Toe

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

CO_2 7.03 kg



BLK

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	0.535 kg
Norms	EN ISO 20345:2022+A1:2024 ASTM F2413:2024





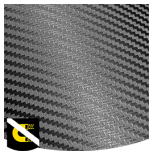
Barefoot-like walking
Anatomical toecap: barefoot-like walking for natural movement and reduced fatigue.



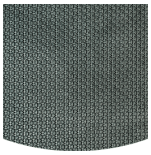
Nano carbon toecap
Ultralight high-tech material, metalfree with no thermal or electrical conductivity.



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.



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

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.

Test results:

	Description	EN ISO 20345	Result	Measure unit
Upper	**Textile**			
	Upper: permeability to water vapor	≥ 0.8	32.71	mg/cm^2 /h
	Upper: water vapor coefficient	≥ 15	262	mg/cm^2
Lining	**Recycled 3D-Mesh (100% recycled)**			
	Lining: permeability to water vapor	≥ 2	37.07	mg/cm^2 /h
	Lining: water vapor coefficient	≥ 20	297	mg/cm^2
Footbed	**SJ Recycled Foam Footbed (96% recycled)**			
	Footbed: abrasion resistance (dry/wet) (cycles)	25600/12800	Dry 25600 cycles/Wet 12800 cycles	cycles
Outsole	**ETPU/Rubber (NBR)**			
	Outsole abrasion resistance (volume loss)	≤ 150	114	mm^3
	Basic Slip resistance - Ceramic + NaLS - Forward heel slip	≥ 0.31	0.47	friction
	Basic Slip resistance - Ceramic + NaLS - Backward forepart slip	≥ 0.36	0.45	friction
	SR Slip resistance - Ceramic + glycerin - Forward heel slip	≥ 0.19	0.35	friction
	SR Slip resistance - Ceramic + glycerin - Backward forepart slip	≥ 0.22	0.32	friction
	Antistatic value	0.1 - 1000	42.6	MegaOhm
	ESD value	0.1 - 100	20	MegaOhm
	Heel energy absorption	≥ 20	33	J
Toecap	**Nano Carbon**			
	Impact resistance toecap (clearance after impact 100J)	N/A	N/A	mm
	Compression resistance toecap (clearance after compression 10kN)	N/A	N/A	mm
	Impact resistance toecap (clearance after impact 200J)	≥ 14	16.5	mm
	Compression resistance toecap (clearance after compression 15kN)	≥ 14	23.0	mm

Sample size: 42

Our shoes are constantly evolving, the technical data above may change. All product names and brand Safety Jogger, are registered and may not be used or reproduced in any format, without written consent from us.

Carbon footprint:

	Description	Result	Measure unit
CO2 emission			
	Material	4.76	kg
	Packing	0.12	kg
	Manufacturing	1.90	kg
	Transport	0.26	kg
		7.03 kg CO2/pair	

	Description	Result
Recycled content		
	Product	19%
	Packing	99%

CO2 calculation:
Values are rounded to two decimals.
These analyses are performed using our in-house environmental calculators, developed within the Cortina Group. The CO2 values are valid at the time of calculation and may be subject to change.