

Light

ALTO TLS

ALTOTLS

Lightweight Safety Shoes TLS

Safety Jogger's ALTO safety shoes combine lightweight comfort and strong grip. ESD, wide fit, TLS closure, and durable outsole for all-day performance.

Upper	Synthetic, Textile
Lining	Recycled Mesh
Footbed	SJ Memory foam footbed
Midsole	N/A
Outsole	Phylon/Rubber (NBR)
Toecap	Plastic
Category	SR, FO, ESD, ESD
Size range	EU 35-48 / UK 3.0-13.0 / US 3.0-13.5 JPN 21.5-31.5 / KOR 230-315
Sample weight	0.409 kg



BLK



DBL



TLS (Twist Lock System)

Safety Jogger's innovative TLS closure allows you to quickly tighten and loosen your safety footwear with one hand and under any conditions, even when you are wearing safety gloves. TLS ensures a fast, safe and easy precision fit that offers enhanced comfort and enables you to perform at your best.



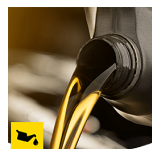
Breathable upper

Increased moisture and temperature management for extended wearer comfort.



Heel energy absorption

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



Oil & fuel resistant

The outsole is resistant against oil and fuel.



Electrostatic Discharge (ESD)

ESD provides the controlled discharge of electrostatic energy that can damage electronic components and avoids risks of ignition resulting from electrostatic charges. Volume resistance between 100 KiloOhm and 100 MegaOhm.



Removable insole

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

Industries:

Assembly, Automotive, Industry, Logistics, Oil & Gas

Environments:

Dry environment, Extreme slippery surfaces, Warm 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	
Upper	Synthetic, Textile			
	Upper: permeability to water vapor	mg/cm ² /h	4.87	≥ 0.8
	Upper: water vapor coefficient	mg/cm ²	40	≥ 15
Lining	Recycled Mesh			
	Lining: permeability to water vapor	mg/cm ² /h	2.99	≥ 2
	Lining: water vapor coefficient	mg/cm ²	31	≥ 20
Footbed	SJ Memory foam footbed			
	Footbed: abrasion resistance (dry/wet) (cycles)	cycles	Dry 25600 cycles/Wet 12800 cycles	25600/12800
Outsole	Phylon/Rubber (NBR)			
	Outsole abrasion resistance (volume loss)	mm ³	128(Density:1.17)	≤ 150
	Basic Slip resistance - Ceramic + NaLS - Forward heel slip	friction	0.43	≥ 0.31
	Basic Slip resistance - Ceramic + NaLS - Backward forepart slip	friction	0.44	≥ 0.36
	SR Slip resistance - Ceramic + glycerin - Forward heel slip	friction	0.37	≥ 0.19
	SR Slip resistance - Ceramic + glycerin - Backward forepart slip	friction	0.35	≥ 0.22
	Antistatic value	MegaOhm	N/A	0.1 - 1000
	ESD value	MegaOhm	24	0.1 - 100
	Heel energy absorption	J	N/A	≥ 20
Toecap	Plastic			
	Impact resistance toecap (clearance after impact 100J)	mm	20.5	N/A
	Compression resistance toecap (clearance after compression 10kN)	mm	23.5	N/A
	Impact resistance toecap (clearance after impact 200J)	mm	N/A	N/A
	Compression resistance toecap (clearance after compression 15kN)	mm	N/A	N/A

Sample size: 42

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