



Light

ALTO TLS

ALTOTLS

Light like space, strong like a rock. Our lightweight ALTO safety sneaker has a rubber outsole that offers great slip resistance, while also resisting oil, fuel, chemicals, and extreme temperatures. It features ESD, a breathable upper, a toe cap and heel energy absorption. ALTO offer a wide fit and comes with our game-changing TLS closure.

Upper	Synthetic, Textile
Lining	Mesh
Footbed	SJ foam footbed
Midsole	N/A
Outsole	Phylon/Rubber
Toecap	Plastic
Category	SR, ESD, FO
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	0.426 kg



BLK



DBL



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	Mesh			
	Lining: permeability to water vapor	mg/cm ² /h	2.99	≥ 2
	Lining: water vapor coefficient	mg/cm ²	31	≥ 20
Footbed	SJ foam footbed			
	Footbed: abrasion resistance (dry/wet) (cycles)	cycles	Dry 25600 cycles/Wet 12800 cycles	25600/12800
Outsole	Phylon/Rubber			
	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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