



**Heavy**

## ALTAR S3 MID **S3S**

ALTARS3MID

**Multi purpose comfortable mid-cut zip boot**

Safety Jogger ALTAR S3 mid-cut boots offer ultimate protection and comfort. They feature SR slip resistance, heat-resistant outsole, composite toecap, metal-free design, water-resistant leather upper, a zipper and non-marking rubber outsole.

Upper	Abrasion Resistant Leather, Pull-up Leather
Lining	Mesh
Footbed	SJ foam footbed
Midsole	Anti-puncture Textile
Outsole	Rubber
Toecap	Composite
Category	S3S / SR, SC, LG, ESD, FO, HRO
Size range	EU 36-48 / UK 3.5-13.0 / US 4.0-13.5 JPN 22.5-31.5 / KOR 235-315
Sample weight	0.804 kg
Norms	ASTM F2413:2018 EN ISO 20345:2022



SND



CAM



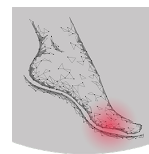
### Breathable leather upper

Natural leather provides a high degree of wearer comfort combined with durability in versatile applications.



### Composite toecap

Metalfree and lightweight, no thermal or electrical conductivity



### Forefoot energy absorption

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



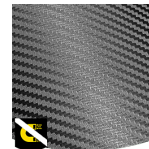
### Heat resistant outsole (HRO)

The outsole resists high temperatures up to 300°C.



### Heel energy absorption

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



### 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.

**Industries:**

Construction, Industry, Logistics, Mining

**Environments:**

Dry environment, Muddy environment, Extreme slippery surfaces, Warm surfaces, Uneven surfaces, Cold environment, Wet environment

**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
<b>Upper</b>	<b>Abrasion Resistant Leather, Pull-up Leather</b>			
	Upper: permeability to water vapor	mg/cm <sup>2</sup> /h	7.8	≥ 0.8
	Upper: water vapor coefficient	mg/cm <sup>2</sup>	68	≥ 15
<b>Lining</b>	<b>Mesh</b>			
	Lining: permeability to water vapor	mg/cm <sup>2</sup> /h	54.48	≥ 2
	Lining: water vapor coefficient	mg/cm <sup>2</sup>	436	≥ 20
<b>Footbed</b>	<b>SJ foam footbed</b>			
	Footbed: abrasion resistance (dry/wet) (cycles)	cycles	25600/12800	25600/12800
<b>Outsole</b>	<b>Rubber</b>			
	Outsole abrasion resistance (volume loss)	mm <sup>3</sup>	91	≤ 150
	Basic Slip resistance - Ceramic + NaLS - Forward heel slip	friction	0.41	≥ 0.31
	Basic Slip resistance - Ceramic + NaLS - Backward forepart slip	friction	0.37	≥ 0.36
	SR Slip resistance - Ceramic + glycerin - Forward heel slip	friction	0.28	≥ 0.19
	SR Slip resistance - Ceramic + glycerin - Backward forepart slip	friction	0.25	≥ 0.22
	Antistatic value	MegaOhm	11.2	0.1 - 1000
	ESD value	MegaOhm	65	0.1 - 100
	Heel energy absorption	J	33	≥ 20
<b>Toecap</b>	<b>Composite</b>			
	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	21.5	≥ 14

Sample size: 42

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