



Medium

## X1100N S3S

### Metal-Free Composite Toe Work Boots

X1100N safety shoes are lightweight and metal-free, with oil, fuel and slip resistance plus flexible comfort for safe wear in tough work environments.

Upper	Nappa Action Leather
Lining	Cambrella
Footbed	SJ foam footbed
Midsole	Anti-puncture Textile
Outsole	PU/PU
Toecap	Composite
Category	S3S / SR, CI, FO
Size range	EU 35-47 / UK 3.0-12.0 / US 3.0-13.0 JPN 21.5-31 / KOR 230-310
Sample weight	0.676 kg
Norms	ASTM F2413:2018 EN ISO 20345:2022+A1:2024



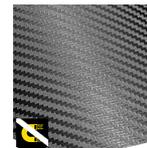
BLK



**S3**  
S3 safety shoes are suitable for work in an environment with high humidity and presence of oil or hydrocarbons. These shoes also protect against perforation risk of the sole, and foot crushing.



**SRC slip resistance**  
Slip resistant soles are one of the most important features of safety and occupational footwear. SRC slip resistant soles pass both SRA and SRB slip resistant tests, they are tested on both steel and ceramic surfaces.



**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.



**SJ Flex**  
Metal-free puncture resistant material, which is lighter and more flexible than steel. The material is not thermal conductive. Covers 100% of the surface of the last bottom.



**Composite toecap**  
Metal-free and lightweight, no thermal or electrical conductivity



**Oil & fuel resistant**  
The outsole is resistant against oil and fuel.

**Industries:**

Automotive, Cleaning, Construction, Logistics, Mining, Oil &amp; Gas, Industry, Uniform

**Environments:**

Dry environment, Muddy environment, Uneven surfaces, 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>Nappa Action Leather</b>			
	Upper: permeability to water vapor	mg/cm <sup>2</sup> /h	2.86	# 0.8
	Upper: water vapor coefficient	mg/cm <sup>2</sup>	30	# 15
<b>Lining</b>	<b>Cambrella</b>			
	Lining: permeability to water vapor	mg/cm <sup>2</sup> /h	26.68	# 2
	Lining: water vapor coefficient	mg/cm <sup>2</sup>	214	# 20
<b>Footbed</b>	<b>SJ foam footbed</b>			
	Footbed: abrasion resistance (dry/wet) (cycles)	cycles	25600/12800	25600/12800
<b>Outsole</b>	<b>PU/PU</b>			
	Outsole abrasion resistance (volume loss)	mm <sup>3</sup>	33	# 150
	Basic Slip resistance - Ceramic + NaLS - Forward heel slip	friction	0.39	# 0.31
	Basic Slip resistance - Ceramic + NaLS - Backward forepart slip	friction	0.38	# 0.36
	SR Slip resistance - Ceramic + glycerin - Forward heel slip	friction	0.29	# 0.19
	SR Slip resistance - Ceramic + glycerin - Backward forepart slip	friction	0.27	# 0.22
	Antistatic value	MegaOhm	188.6	0.1 - 1000
	ESD value	MegaOhm	N/A	0.1 - 100
	Heel energy absorption	J	24	# 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	22.5	# 14

Sample size:

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.