SAFETY JOGGER
INDUSTRIAL



Medium

X1100N S3S

Metal-Free Composite Toe Work Boots

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

Upper	Nappa Action Leather
Lining	Cambrella
Footbed	SJ Recycled Foam Footbed (96% recycled)
Midsole	Anti-Puncture Textile
Outsole	PU/PU
Toecap	Composite
Category	S3S / SR, FO, CI
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

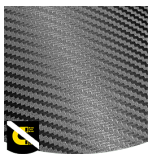
CO_2 12.42 kg



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
Metalfree 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
Metalfree 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 & 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.

Test results:

	Description	EN ISO 20345	Result	Measure unit
Upper	**Nappa Action Leather**			
	Upper: permeability to water vapor	≥ 0.8	2.86	mg/cm^2 /h
	Upper: water vapor coefficient	≥ 15	30	mg/cm^2
Lining	**Cambrella**			
	Lining: permeability to water vapor	≥ 2	26.68	mg/cm^2 /h
	Lining: water vapor coefficient	≥ 20	214	mg/cm^2
Footbed	**SJ Recycled Foam Footbed (96% recycled)**			
	Footbed: abrasion resistance (dry/wet) (cycles)	25600/12800	25600/12800	cycles
Outsole	**PU/PU**			
	Outsole abrasion resistance (volume loss)	≤ 150	33	mm^3
	Basic Slip resistance - Ceramic + NaLS - Forward heel slip	≥ 0.31	0.39	friction
	Basic Slip resistance - Ceramic + NaLS - Backward forepart slip	≥ 0.36	0.38	friction
	SR Slip resistance - Ceramic + glycerin - Forward heel slip	≥ 0.19	0.29	friction
	SR Slip resistance - Ceramic + glycerin - Backward forepart slip	≥ 0.22	0.27	friction
	Antistatic value	0.1 - 1000	188.6	MegaOhm
	ESD value	0.1 - 100	N/A	MegaOhm
	Heel energy absorption	≥ 20	24	J
Toecap	**Composite**			
	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	17.0	mm
	Compression resistance toecap (clearance after compression 15kN)	≥ 14	22.5	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	10.13	kg
	Packing	0.13	kg
	Manufacturing	1.90	kg
	Transport	0.26	kg
		12.42 kg CO2/pair	

	Description	Result
Recycled content		
	Product	5%
	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.