

Heavy

WELDER S3S

WELDERS3S

Mid-cut S3S Welding Boot

Lightweight, metal-free welding boot with fire-retardant leather, quick-release Velcro, nano-carbon toe, and ESD/HRO safety.

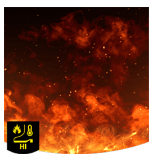
Upper	Full Grain Leather
Lining	Recycled Mesh (100% recycled)
Footbed	SJ Recycled Foam Footbed (96% recycled)
Midsole	Anti-Puncture Textile
Outsole	Rubber (NBR), BASF PU
Toecap	Nano Carbon
Category	S3S / SR, SC, LG, FO, HI, HRO, CI, ESD
Size range	EU 36-49 / UK 3.5-13.5 / US 4.0-14.5 JPN 22.5-32.5 / KOR 235-325
Sample weight	0.710 kg
Norms	EN ISO 20345:2022+A1:2024 ASTM F2413:2024





CO_2 12.35 kg

BLK



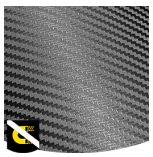
Heat insulated (HI)
Heat insulated (HI) safety footwear is usually worn in hot temperature environments. It limits the increase of temperature inside the shoe.



Heat resistant outsole (HRO)
The outsole resists high temperatures up to 300°C.



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



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.



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.



Nano carbon toecap
Ultralight high-tech material, metalfree with no thermal or electrical conductivity.

Industries:
Assembly, Construction, Industry, Mining

Environments:
Warm surfaces, Dry environment, 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.

Test results:

	Description	EN ISO 20345	Result	Measure unit
Upper	**Full Grain Leather**			
	Upper: permeability to water vapor	≥ 0.8	2.3	mg/cm^2 /h
	Upper: water vapor coefficient	≥ 15	29.4	mg/cm^2
Lining	**Recycled Mesh (100% recycled)**			
	Lining: permeability to water vapor	≥ 2	86.31	mg/cm^2 /h
	Lining: water vapor coefficient	≥ 20	691	mg/cm^2
Footbed	**SJ Recycled Foam Footbed (96% recycled)**			
	Footbed: abrasion resistance (dry/wet) (cycles)	25600/12800	25600/12800	cycles
Outsole	**Rubber (NBR), BASF PU**			
	Outsole abrasion resistance (volume loss)	≤ 150	116	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	0.23	friction
	SR Slip resistance - Ceramic + glycerin - Backward forepart slip	≥ 0.22	0.24	friction
	Antistatic value	0.1 - 1000	20.7	MegaOhm
	ESD value	0.1 - 100	17	MegaOhm
	Heel energy absorption	≥ 20	37	J
Toecap	**Nano Carbon**			
	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	17.5	mm
	Compression resistance toecap (clearance after compression 15kN)	≥ 14	19.5	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	10.07	kg
	Packing	0.13	kg
	Manufacturing	1.90	kg
	Transport	0.26	kg
		12.35 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.