



Technical Data Sheet



TP-109 **S3/** MODEL S S3

Model Description:

Leather shoe, Red mesh lining, water repellent, puncture resistant steel plate, shock resistant, Steel toe S3, DDPU sole.

Specifications:

Upper	Genuine Leather (Barton Print)
Lining	Red Mesh
Insole	Foam Footbed
Outsole	PU/PU
Toecap	Steel Toe
Midsole	Steel Plate
Safety Standards	S3, EN ISO 20345:2021
Size Range	EU 38-46
Shoe weight	601 grams (approx.)



Oil and Fuel Resistant

The outsole is resistant against oil and fuel.



Steel Toecap

The feet of the wearer against falling or rolling objects.



Breathable Leather Upper

High degree of wearer comfort combined with durability in versatile applications.



Steel Midsole

Puncture resistant steel midsoles are made from stainless or coated steel and prevent sharp objects from penetrating the outsole.



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 sole 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.

Industries:

Automotive, Chemical, Cleaning, Construction, Logistics, Metal Fabrication, Oil & Gas, Other Industries.

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	EN345 required
Complete shoe	Protection of toes: metal tip resistant to: A shock of 200J	Impact resistance (Clearance after shock)	Mm		>14
	Pressure of 1500 Kg Sole: Metal plate resistant to 1100N	Compressive strength (after clearance compression)	Mm		14
	Anti-shock system: Low Density Polyurethane and profile of the heel	Shock absorption in heel	J	>35	>20
Upper	Leather, water repellent, black	Permeability to water vapor	Mg/m2 hour	>2,0	>2,8
	Thickness 1,6mm	Permeability coefficient	Mg/cm2	>25,6	>20
		Water Repellent	Minute	>80	<60
Front	Thickness 1,2mm	Permeability coefficient	Mg/cm2	>35	>30
Lining	Mesh Red	Permeability to water vapor	Mg/cm2 hour	>2,1	>2
Back	Thickness 1,2mm	Permeability coefficient	Mg/cm2	>45	>30
Insole	absorbent, resistant to abrasion and to exfoliation	Abrasion resistance	Cycles	>400	>400
Outsole	Single density polyurethane injected directly onto the upper	Abrasion resistance (volume loss)	Mm3	110	<150
	Shock absorption, abrasion resistant, mineral oils and weak acids	Oil resistance (volume variation AV)	%	8,0-9.0	<+12
		Coefficient of adhesion of the outsole	-	0,04	>0,15

Sample size: 42

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