



Metallic Shoes

Product Name :	TITAN S1P Safety Shoes
Brand :	<b>WORKMAN</b> <sup>®</sup>
Size Range :	40, 41, 42, 43, 44, 45, 46
Material:	Upper : fly knitting Lining : Mesh lining Sole : PU/PU sole

EN steel toe cap and EN steel plate

PACKAGING

CTN PKG	10 pairs =1 ctn 60 x 40 x 33
CBM	cms, / cbm 0.0792, 14.5 kgs.



Construction,  
Heavy & Light Industry



Oil/Gas,  
Services & Logistics

Safety Shoes-boots  
Standards



REGULATION (EU) 2016/425

EN ISO 20345:2011 Personal protective equipment - Safety footwear.  
S3 Additional special requirements  
SRC Slip resistance

EN ISO 20345 ➤ SPECIFICATION FOR SAFETY FOOTWEAR  
FOR THE WORKPLACE.

In reference to standard EN ISO 20344, this European standard defines the basic and the additional (optional) requirements for safety footwear for the workplace, marked «S». The safety shoe is equipped with safety toe caps designed to withstand a maximum impact of 200 joules and crushing up to 15 kN.

• SB OR S1 TO S5 OR SBH (SAFETY FOOTWEAR) • OB OR O1 TO O5 OR OBH (OCCUPATIONAL SHOES)	
Class 1 or 2	EN ISO 20345
All Materials	SB: Basic Properties
CLASS 1 Leather shoes and other materials, except rubber or polymer shoes	<b>S1: basic properties plus:</b> <ul style="list-style-type: none"><li>- closed back</li><li>- anti-static</li><li>- energy absorbing heel</li><li>- outsole resistance against hydrocarbons</li></ul>
	<b>S2: the same as S1 plus:</b> <ul style="list-style-type: none"><li>- waterproof</li></ul>
	<b>S3: the same as S2 plus:</b> <ul style="list-style-type: none"><li>- puncture resistant sole</li><li>- studded sole</li></ul>
CLASS 2 All rubber shoes (fully cured*) or all polymer (fully moulded)	<b>S4: basic properties plus:</b> <ul style="list-style-type: none"><li>- closed back</li><li>- anti-static</li><li>- energy absorbing heel</li><li>- outsole resistance against hydrocarbons</li></ul>
	<b>S5: the same as S4 plus:</b> <ul style="list-style-type: none"><li>- puncture resistant sole</li><li>- studded sole</li></ul>

# CERTIFICATIONS

## Safety Shoes-boots Standards

SYMBOLS FOR INDIVIDUAL SPECIFICATIONS EN ISO 20345			SYMBOLS FOR INDIVIDUAL SPECIFICATIONS EN ISO 20349-1 • EN ISO 20349-2	
Whole shoe	Puncture resistant sole	P	Floor types Symbols	
	Electrical properties:		Resistance to molten metal splashes, with use of aluminum as molten metal during the test (EN ISO 20349-1)	
	Conductive shoe	C	Resistance to molten metal splashes, with use of cast-iron as molten metal during the test (EN ISO 20349-1).	
	Antistatic shoe	A	250°C sandbox test, 40 minutes of exposure (HI-3). (EN ISO 20349-1)	
	Insulating shoe	See EN50321	WG indicates that the footwear complies with the requirements defined for welding footwear. (EN ISO 20349-2)	
	Resistance to aggressive environments:			
	Heat-insulated sole	HI		
	Sole insulated against cold	CI		
	Energy absorbing heel	E		
	Water-resistant of the whole shoe (waterproof shoes in leather and other materials, class 1)	WR		
Upper	Metatarsal impact protection	M	RESISTANCE TO SLIPPING	
	Ankle protection	AN		
Outsole	Cut-resistant upper	CR	Floor types	
	Resistance of the rod penetration and water absorption (shoes in leather and other materials, class 1)	WRU	Symbols	
	Contact-heat resistant outsole	HRO	Hard industrial floors, for indoor use (such as food industry tiled flooring)	
	Oil-resistant outsole	FO	Hard industrial type floors for indoor or outdoor uses (paint or resin type flooring in industry)	
	Isolation of the sole against heat. Sandbox test 150°C, 30 minutes of exposure (HI-1)	HI	All types of hard floors for multiple uses indoors or outdoors	

