



QUICK GUIDE TO THE

# STANDARD 20345:2022

## FUNCTIONS AND PROTECTIVE LEVELS

	EN ISO20345:2022	20345 safety shoes	class
	<b>SB</b>	basic requirements	<b>I o II</b>
	<b>S1</b>	SB + closed heel area + A + E	<b>I</b>
	<b>S1P</b>	SB + P	<b>I</b>
<b>NEW</b>	<b>S1PL</b>	S1 + PL + sole with reliefs	<b>I</b>
<b>NEW</b>	<b>S1PS</b>	S1 + PS + sole with reliefs	<b>I</b>
	<b>S2</b>	S1 + WPA	<b>I</b>
<b>NEW</b>	<b>S3</b>	S2 + P + sole with reliefs	<b>I</b>
<b>NEW</b>	<b>S3L</b>	S2 + PL + sole with reliefs	<b>I</b>
<b>NEW</b>	<b>S3S</b>	S2 + PS + sole with reliefs	<b>I</b>
<b>NEW</b>	<b>S6</b>	S2 + WR	<b>I</b>
<b>NEW</b>	<b>S7</b>	S3 + WR	<b>I</b>
<b>NEW</b>	<b>S7L</b>	S3L + WR	<b>I</b>
	<b>S7S</b>	S3S + WR	<b>I</b>
	<b>S4</b>	SB + closed heel area + A + E	<b>II</b>
	<b>S5</b>	S4 + P + sole with reliefs	<b>II</b>
<b>NEW</b>	<b>S5S</b>	S4 + PS + sole with reliefs	<b>II</b>
<b>NEW</b>	<b>S5L</b>	S4 + PL + sole with reliefs	<b>II</b>
	<b>SBH</b>	/	<b>ibrid shoes</b>

approved

**RCT**  
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## IDENTIFICATION CODES

	<b>E</b>	Energy absorption of seat region
	<b>A</b>	Antistatic footwear
	<b>C</b>	Electrical resistance partially conductive footwear
	<b>P</b>	Antiperforation midsole metallic nail (ø 4,5 mm)
<b>NEW</b>	<b>PL</b>	Antiperforation midsole non metallic nail (ø 4,5 mm)
<b>NEW</b>	<b>PS</b>	Antiperforation midsole non metallic nail (ø 3 mm)
<b>NEW</b>	<b>WPA</b>	Water resistant upper
	<b>WRU</b>	Water resistant upper
	<b>WR</b>	Water resistant shoe
	<b>FO</b>	Sole resistance to hydrocarbons
	<b>HRO</b>	Outsole resistant to hot contact
	<b>HI</b>	Heat insulation of sole complex
	<b>CI</b>	Cold insulation of sole complex
	<b>M</b>	Metatarsal protection
	<b>AN</b>	Ankle protection
	<b>CR</b>	Cut resistance
<b>NEW</b>	<b>LG</b>	Ladder grip
<b>NEW</b>	<b>SC</b>	Scuff cap
<b>NEW</b>	<b>SR</b>	Slip resistance (ceramic floor + glycerine)