



QUICK GUIDE TO THE  
**STANDARD 20345:2022**

**FUNCTIONS AND PROTECTIVE LEVELS**

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

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## IDENTIFICATION CODES

<b>E</b>	Energy absorption of seat reagion
<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)