



LEGISLATION

EN ISO 20345:2011 is the current standard to which new and recently certified footwear has to conform. (Whilst stock rotates some safety footwear may have been tested to the previous standard.) The standard to which the footwear conforms will be identified on the product information label within the footwear.

The standard requires the inclusion of a 200 joule toecap for impact protection. In addition to the over arching requirements of the standards there are a number of ratings which assist selection of footwear appropriate for varying workplace hazards:

- SB** Safety basic footwear meeting all the minimum requirements of the standard
- S1** Additionally featuring anti-static properties and fully enclosed and energy absorbing heel unit
- S2** Additionally featuring the use of water resistant leather
- S3** Additionally featuring cleated outsole and pierce resistant midsole
- S4** Rubber or polymeric waterproof footwear with 200 joule toecap, anti-static properties and energy absorbing heel unit
- S5** Additionally featuring cleated outsole and pierce resistant midsole

Additional protective features can be built into the footwear and are identified by the following suffixes:

- P** Protection from upward penetration provided by a composite or steel midsole (not used in conjunction with S3 or S5)
- M** Metatarsal impact protection
- C** Conductive properties helping to prevent the build-up of static (but no protection against electric shock)
- A** Anti-static properties to prevent the build-up of static and give limited protection against electric shock from nominal mains voltage
- HI** Insulation against heat
- CI** Insulation against cold
- E** Energy absorption in heel unit
- WRU** Water-resistant uppers
- HRO** Outsole resistance to hot contact up to 300°C

SAFETY STANDARDS GUIDE

Choose the right footwear

Most workplaces have varying requirements for the provision of safety footwear, which is why we offer a comprehensive range within which you should be able to identify appropriate footwear to meet the needs of your workforce whatever the hazards identified in your risk assessment.

Whilst protection is paramount it is recognised that with long wear periods, often in hostile conditions, wearer acceptance, design, brand and comfort are additional considerations. We therefore offer varying styles from executive shoes to heavy duty rigger boots, and leading brands such as Dr Martens, Rock Fall®, Shoes for Crews and Dunlop® alongside our increasingly popular and cost effective Tuf Revolution and Tuf ranges.

Slip Resistance

Slips, trips and falls are an ever present hazard within most workplaces and safety footwear can play its part in preventing injury, particularly from slips, by featuring slip-resistant soles. With regard to current testing, the now established EN ISO 13287 with its progressive SRA, SRB and SRC ratings are commonly used.

Details of the EN ISO 13287 testing requirements are shown in the table below:

Slip resistance ratings for industrial PPE footwear in Europe			
Marking symbols and specifications			
Marking	Footwear slip resistant on	Minimum coefficient of friction by ISO 13287:2006	
		Forward heel slip	Forward flat slip
SRA	Ceramic tile with 0.5% SLS solution	0.28	0.32
SRB	Steel with 90% glycerine	0.13	0.18
SRC	Both the above	Both the above on respective surfaces	Both the above on respective surfaces

NB: ISO 13287:2006 is identical to EN ISO 13287:2007

Footwear tested to EN ISO 13287 and the rating achieved will be identified by the appropriate SRA/SRB/SRC icon.

SAFETY STANDARDS SYMBOLS

-  Denotes footwear with safety toecap
-  Denotes footwear with safety midsole
-  Denotes water-resistant uppers
-  Denotes footwear suitable for women
-  Denotes footwear with anti-static soles
-  Denotes waterproof footwear
-  Denotes SRA rating
-  Denotes SRB rating
-  Denotes SRC rating*

*Tested to both SRA & SRB ratings