



BSI Standards Publication

**Guidance for the selection,  
use and maintenance of  
safety and occupational  
footwear and other personal  
protective equipment offering  
foot and leg protection**

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**National foreword**

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A list of organizations represented on this committee can be obtained on request to its secretary.

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**Guidance for the selection, use and maintenance of safety and occupational footwear and other personal protective equipment offering foot and leg protection (ISO/TR 18690:2012)**

Lignes directrices pour la sélection, l'utilisation et l'entretien des chaussures de protection et de loisirs ainsi que tout autre équipement de protection personnelle des pieds et des jambes (ISO/TR 18690:2012)

Empfehlungen für Auswahl, Einsatz und Pflege und Instandhaltung für Sicherheits-, Schutz- und Berufsschuhe (ISO/TR 18690:2012)

This Technical Report was approved by CEN on 17 December 2012. It has been drawn up by Technical Committee CEN/TC 161.

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## Foreword

This document (CEN ISO/TR 18690:2012) has been prepared by Technical Committee CEN/TC 161 "Foot and leg protectors", the secretariat of which is held by BSI, in collaboration with Technical Committee ISO/TC 94 "Personal safety - Protective clothing and equipment".

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# Guidance for the selection, use and maintenance of safety and occupational footwear and other personal protective equipment offering foot and leg protection

## 1 Scope

This Technical Report provides guidance for the selection, use and maintenance of personal protective equipment and safety and occupational footwear. It is intended for footwear manufacturers and suppliers, employers and self-employed people, safety engineers and other users. This Technical Report also provides guidance for preparing national guidance in this area.

## 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 20345, *Personal protective equipment — Safety footwear*

ISO 20347, *Personal protective equipment — Occupational footwear*

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 20345 and ISO 20347 apply.

## 4 Design, construction and classification

Construction of safety and occupational footwear is illustrated in Figure 1. Design and classification are defined in ISO 20345 and ISO 20347. Classification of footwear is presented in Table 1. Designs of footwear are illustrated in Figure 2. Protective elements should be incorporated in the footwear in such a way that they cannot be removed without damaging it.

**Table 1 — Classification of footwear**

Classification	Description
Class I	Footwear made from leather and other materials, excluding all-rubber or all-polymeric footwear
Class II	All-rubber (i.e. entirely vulcanized) or all-polymeric (i.e. entirely moulded) footwear

NOTE: ISO 20345:2011, Annex A, permits hybrid footwear comprising uppers with both an all rubber or polymeric foot section and a leg shaft area of leather or other materials.