

# Foot and leg protectors — Requirements and test methods for toecaps and penetration resistant inserts

ICS 13.340.50

## National foreword

This British Standard is the UK implementation of EN 12568:2010. It supersedes BS EN 12568:1998 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PH/1, Safety, protective and occupational footwear.

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

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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## Foot and leg protectors - Requirements and test methods for toecaps and penetration resistant inserts

Protecteurs du pied et de la jambe - Exigences et  
méthodes d'essais des embouts et des inserts anti-  
perforation

Fuß- und Beinschutz - Anforderungen und Prüfverfahren für  
durchtrittssichere Einlagen und Zehenkappen

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**Management Centre: Avenue Marnix 17, B-1000 Brussels**

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## **Foreword**

This document (EN 12568:2010) has been prepared by Technical Committee CEN/TC 161 "Foot and leg protectors", the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by November 2010, and conflicting national standards shall be withdrawn at the latest by November 2010.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 12568:1998.

Products described by this standard are not personal protective equipment (PPE) and cannot be "CE" marked.

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## **Introduction**

EN ISO 20345, EN ISO 20346 and EN ISO 20347 relate to safety, protective and occupational footwear which define the performance and required properties of the footwear. On introducing these standards all national standards relating to safety toecaps and penetration resistant inserts were withdrawn leaving the manufacturers of these items with no means of demonstrating the performance of their products. This European Standard has been prepared to allow manufacturers to demonstrate the performance level of the toecaps and penetration resistant inserts before being inserted into the footwear.

## 1 Scope

This European Standard specifies requirements and test methods for toe caps and inserts with resistance against mechanical penetration, intended to function as components of PPE footwear (e.g. as described by EN ISO 20345, EN ISO 20346 and EN ISO 20347).

## 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.

EN ISO 20345:2004, *Personal protective equipment — Safety footwear (ISO 20345:2004)*

EN ISO 20346:2004, *Personal protective equipment — Protective footwear (ISO 20346:2004)*

EN ISO 20347:2004, *Personal protective equipment — Occupational footwear (ISO 20347:2004)*

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN ISO 20345:2004, EN ISO 20346:2004 and EN ISO 20347:2004 and the following apply.

- 3.1**  
**internal toe cap**  
toe cap intended to be incorporated underneath the upper of footwear intended to provide protection against mechanical impact and compression
- 3.2**  
**external toe cap**  
toe cap intended to be incorporated on top of the footwear upper forepart intended to provide protection against mechanical impact and compression
- 3.3**  
**penetration resistant insert**  
footwear component placed (or intended to be placed) in the sole complex in order to provide protection against mechanical penetration