

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

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British Standard

ICS 13.340.10

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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 13 and a back cover.

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English version

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

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

Fuß - und Beinschutz — Anforderungen und Prüfverfahren für durchtrittssichere Einlagen aus Metall und Zehenkappen

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CEN

European Committee for Standardization
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Foreword

This European Standard 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of an identical text or by endorsement, at the latest by January 1999, and conflicting national standards shall be withdrawn at the latest by January 1999.

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

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Introduction

There is a series of European Standards relating to safety, protective and occupational footwear for professional use which give the performance and required properties for the footwear. On introducing these standards all national standards relating to safety toecaps and metal mid-soles were withdrawn leaving the manufacturers of these items with no means of demonstrating the performance of their products.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 toecaps and metal penetration resistant inserts.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 344, *Requirements and test methods for safety, protective and occupational footwear for professional use.*

3 Definitions

For the purposes of this standard, the definitions given in EN 344 apply.

3.1

internal toecap

a toecap which is incorporated into the footwear and which is positioned underneath the upper

3.2

external toecap

a toecap which is incorporated into the footwear and which is positioned on top of the upper

4 Toecaps

Each test sample shall comply with the requirements.

4.1 General requirements

4.1.1 Finishing

Toecaps shall be finished so as to be free from surface marks or defects and shall be free from burrs and sharp edges.

4.1.2 Dimensions

When measured in accordance with the method described in 7.1.2 the internal length of toecaps shall be not less than the appropriate value given in Table 1. If toecaps are formed with a flange, the width e of the flange shall be no greater than 10 mm as shown in Figure 1.

Table 1 — Minimum internal length of toecaps

Toecap number	up to and including 5	6	7	8	9	10 and above
Minimum internal length in mm	34	36	38	39	40	42

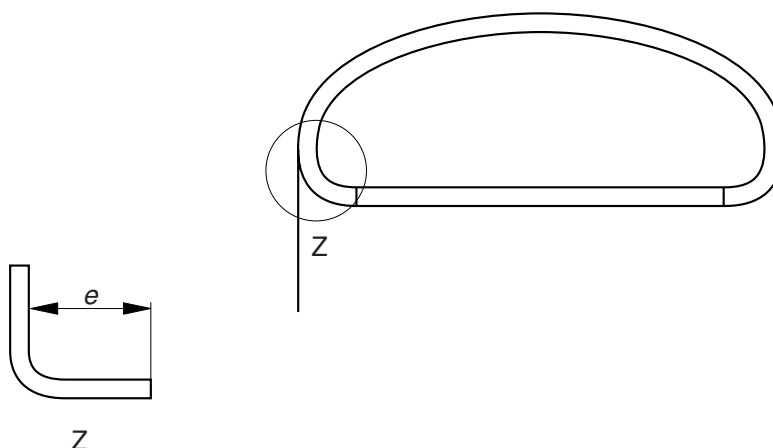


Figure 1 — Illustration of toecap flange width e