

Specification for pedestrian restraint systems in metal

ICS 93.080.30

Committees responsible for this British Standard

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Aluminium Federation
 Association of County Councils
 British Railways Board
 British Steel Industry
 County Surveyors' Society
 Department of Transport (Highways Agency)
 Department of Transport (Transport Research Laboratory)
 Fencing Industry Association
 Institution of Civil Engineers
 Institution of Highways and Transportation
 Royal Society for the Prevention of Accidents

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15047 Corrigendum No. 1	10 May 2004	Correction to Figure 4a), Figure 4b), Figure 4c) and Figure 5
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The following BSI references relate to the work on this British Standard:
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Contents

	Page
Committees responsible	Inside front cover
Foreword	iii
<hr/>	
Section 1. General	
Introduction	1
1.1 Scope	1
1.2 References	1
1.3 Definitions	2
1.4 Symbols	7
1.5 Layout consideration	7
<hr/>	
Section 2. Design and performance	
2.1 Design	11
2.2 Gradients	13
2.3 Post spacing and curves	13
2.4 Infill	14
2.5 Gates	15
2.6 Hazards	15
2.7 Materials	16
2.8 Durability and protection	19
2.9 Identification marking	19
2.10 Foundations, attachment systems and bedding	21
<hr/>	
Section 3. Construction of steel and aluminium pedestrian restraint systems	
3.1 Workmanship, inspection and testing	25
3.2 Welding	25
3.3 Tolerances	27
3.4 Storage and transportation	28
3.5 Installation and site workmanship	28
3.6 Non-destructive production inspection	29
<hr/>	
Annex A (informative) Layout of pedestrian restraint systems	30
Annex B (informative) Visibility and intervisibility	32
Annex C (informative) Information to be provided by the purchaser	33
<hr/>	
Figure 1 — Typical cross sections showing use of pedestrian parapets	3
Figure 2 — Typical cross section showing carriageway, footway and guard rail arrangement	4
Figure 3 — Typical uses of the various classes of pedestrian guard rail	4
Figure 4 — Typical details of restraint systems	4
Figure 5 — Datum for height consideration	8
Figure 6 — Typical arrangement of pedestrian crossing showing desirable visibility splays	9
Figure 7 — Detail of typical identification plate	20
Figure 8 — Typical detail of parapet at movement joint to accommodate small movements up to 100 mm	21
Figure 9 — Typical plan of parapet at movement joint to accommodate large movements	23
Figure 10 — Typical detail of parapet fixing to concrete structure	23

	Page
Table 1 — Minimum heights in millimetres of pedestrian restraint systems	10
Table 2 — Design loads for framed and post and rail pedestrian restraint systems	11
Table 3 — Nominal loads for bar, sheet or mesh infill	12
Table 4 — Maximum deflection of the system	12
Table 5 — Minimum thickness of member, infill panels and other components	14
Table 6 — Materials of construction for steel pedestrian restraint systems	16
Table 7 — Materials of construction for aluminium pedestrian restraint systems	17
Table 8 — Possible minimum dimensions for concrete foundations	21
Table C.1 — Information to be supplied by the purchaser	33
List of references	35

Foreword

This British Standard has been prepared under the direction of Technical Committee B/509 and supersedes BS 3049:1976 which is withdrawn.

BS 3049:1976 provided a useful guide for the manufacture and installation of metal guard rails for highway situations. The need to provide a new standard has been recognized for some time and in 1992 B/509 made the decision to proceed with a pedestrian restraint systems standard which required the inclusion of pedestrian bridge parapets (not vehicle bridge parapets which are covered by the vehicle restraint systems standards).

Pedestrian restraint systems protect pedestrians when walking near the edge of high retaining walls/bridge parapets and prevent them from walking/running onto a carriageway. The design of the system should have regard to overall safety, be strong enough to withstand envisaged loading, avoid creating a visibility hazard and not become disconnected on impact and cause a major hazard for highway users.

As compared with BS 3049:1976, this British Standard covers the following:

- a) pedestrian parapets;
- b) illustrations of some types of pedestrian restraint systems;
- c) the encouragement of the designers or specifiers to look at the overall issues of both road safety and environment by recognizing the need for particular designs in specific locations e.g. sites where increased visibility through the system is desired or where it may be necessary to extend the existing pedestrian restraint systems in historic locations;
- d) additional loading requirements in recognition of the need to withstand increased crowd loadings in critical situations such as outside sports grounds.

This British Standard deals with pedestrian restraint systems of metal construction. It is hoped to extend the scope to other materials in due course but, pending the publication of such further standards, designers and specifiers wishing to use materials other than metal should ensure that the performance of those materials meets the loading requirements of this standard.

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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Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, pages 1 to 37 and a back cover.

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