

# 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
16540 Corrigendum No. 2	29 September 2006	Correction to Figure 4a) and its title

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Standard has been prepared under the direction of Technical Committee B/509 and supersedes BS 3049:1976 which is withdrawn.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

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