

Fences —

Part 9: Specification for mild steel (low carbon steel) fences with round or square verticals and flat horizontals

Committees responsible for this British Standard

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- British Gas plc
- British Steel Industry
- Cold Rolled Sections Association
- County Surveyors' Society
- Department of the Environment (Property Holdings)
- Electricity Association
- Fencing Contractors' Association
- Fencing Industry Association
- Institute of Leisure and Amenity Management
- Royal Institution of Chartered Surveyors

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Foreword

This Part of BS 1722 has been prepared under the direction of Technical Committee B/201, Fences. It is a revision, taking into account current practice, of BS 1722-9:1979, which is withdrawn.

BS 1722 is published in separate Parts as follows.

- *Part 1: Specification for chain link fences;*
- *Part 2: Specification for rectangular wire mesh and hexagonal wire netting fences;*
- *Part 3: Specification for strained wire fences;*
- *Part 4: Specification for cleft chestnut pale fences;*
- *Part 5: Specification for close boarded fences;*
- *Part 6: Specification for wooden palisade fences;*
- *Part 7: Specification for wooden post and rail fences;*
- *Part 8: Specification for mild steel (low carbon steel) continuous bar fences;*
- *Part 9: Specification for mild steel (low carbon steel) fences with round or square verticals and flat horizontals;*
- *Part 10: Specification for anti-intruder fences in chain link and welded mesh;*
- *Part 11: Specification for woven wood and lap boarded panel fences;*
- *Part 12: Specification for steel palisade fences;*
- *Part 13: Chain link fences for tennis court surrounds;*
- *Part 14: Specification for open mesh steel panel fences;*
- *Part 16: Specification for organic powder coatings for use as a plastics finish to components and mesh.*

The various Parts specify requirements for the types of fence that are considered suitable for standardization. It should be noted that no attempt has been made to standardize fences or gates of a purely decorative nature, or to suit special requirements, or to specify requirements for “patent” proprietary fencing systems. It is recommended that the structure of such fences or gates should comply with those clauses of this Part of BS 1722 that are applicable.

It has been assumed in the drafting of this Part of BS 1722 that the execution of its provisions is entrusted to appropriately qualified and experienced people.

The purpose of this standard is to establish minimum requirements for materials and workmanship for the more common types of fence in order to ensure satisfactory service for the purchaser, and to assist manufacturers and erecting contractors by eliminating unnecessary minor variations in the demands of purchasers, it specifies requirements for the components that make up a fence and the way in which the fence needs to be constructed. Throughout this standard there are requirements for sizes of components, together with the permissible tolerances on size. These are minimum requirements and it will normally be acceptable to use larger sizes, except where it would otherwise adversely affect the fit of components or where replacement parts need to match up with those already present.

The choice of a fence is affected by factors such as the intended purpose of the fence, the desired service life, aesthetic considerations and the availability of components. The specifier of the fence will know its intended purpose and by reference to Table 1 to Table 3 a suitable choice can be made. This then gives those erecting the fence the basic characteristics that need to be provided. This standard includes requirements for protective treatments. However, an important aspect of providing an extended service life is the maintenance of the fence after its erection; this is outside the scope of this standard. Premature failure can be avoided by taking care not to damage protective treatments during installation.

Ground conditions may indicate that a variation in the length of a post or stay, or of the depth to which it should be set, is desirable. The post setting depths specified in this standard are intended for use in normal ground but if special conditions exist that warrant a change in the specification, e.g. ground that is softer or firmer than usual, such a change needs to be agreed with the specifier, as for other variations.

It is generally assumed in this standard that the fence is erected on horizontal ground. Where erected on a gradient special measures may be required.

This revision of this Part specifies fences of four types, bow top, roundbar, square bar to view and square angle to view, with a range of heights from 0.6 m to 2.2 m and combinations of component sizes.

Each type of fence has been subdivided according to its height and duty. Height is considered to be the height of the top of the vertical or bow top above the general ground level as measured at the posts.

It should be noted that throughout this Part of BS 1722 the fence post spacings are given in terms of centre to centre distances.

To assist those specifying and/or providing a fence, appendix A provides guidance on the most important details, which often take the form of selected options, that need to be specified at the time of ordering a fence. This is a new feature of the standard.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, pages 1 to 8, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.