



BSI Standards Publication

Fences

Part 2: Specification for strained wire and wire mesh netting fences

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Foreword

Publishing information

This part of BS 1722 was published by BSI Standards Limited, under licence from The British Standards Institution, and came into effect on 31 October 2020. It was prepared by Technical Committee B/201, *Fences and gates*. A list of organizations represented on this committee can be obtained on request to the committee manager.

Supersession

This part of BS 1722 supersedes [BS 1722-2:2006](#), which is withdrawn.

Relationship with other publications

BS 1722 is published in the following parts:

- *Part 1: Specification for chain link fences;*
- *Part 2: Specification for strained wire and wire mesh netting fences;*
- *Part 4: Specification for cleft chestnut pale fences;*
- *Part 5: Specification for close-boarded and wooden palisade fences;*
- *Part 7: Specification for wooden post and rail fences;*
- *Part 8: Specification for mild steel (low carbon steel) continuous bar fences and hurdles;*
- *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: Steel palisade fences – Manufacturing and installation – Specification;*
- *Part 13: Chain link fences for tennis court surrounds (withdrawn);*
- *Part 14: Specification for open mesh steel panel fences;*
- *Part 16: Specification for powder coatings used as a plastics finish to components and mesh;*
- *Part 17: Specification for electric security fences – Design, installation and maintenance;*
- *Part 18: Specification for free-standing temporary steel mesh perimeter fencing systems.*

Information about this document

This is a full revision of the standard, and introduces the following principal changes:

- the structure has been simplified;
- a more performance-based approach is specified; and
- the product base has been updated in line with current usage.

No attempt has been made to standardize fences or gates of a purely decorative nature, or those suited to special requirements; nor to specify requirements for “patent” proprietary fencing systems. However, the structure of such fences or gates can still be designed in accordance with the applicable clauses of this part of BS 1722.

This publication can be withdrawn, revised, partially superseded or superseded. Information regarding the status of this publication can be found in the Standards Catalogue on the BSI website at bsigroup.com/standards, or by contacting the Customer Services team.

Where websites and webpages have been cited, they are provided for ease of reference and are correct at the time of publication. The location of a webpage or website, or its contents, cannot be guaranteed.

Use of this document

It has been assumed in the drafting of this part of BS 1722 that the execution of its provisions will be entrusted to competent and experienced people, for whose use it has been produced.

Presentational conventions

The provisions of this standard are presented in roman (i.e. upright) type. Its requirements are expressed in sentences in which the principal auxiliary verb is “shall”.

Commentary, explanation and general informative material is presented in smaller italic type, and does not constitute a normative element.

Where words have alternative spellings, the preferred spelling of the Shorter Oxford English Dictionary is used (e.g. “organization” rather than “organisation”).

Requirements in this standard are drafted in accordance with *Rules for the structure and drafting of UK standards*, subclause **G.1.1**, which states, “Requirements should be expressed using wording such as: ‘When tested as described in [Annex A](#), the product shall...’” This means that only those products that are capable of passing the specified test will be deemed to conform to this standard.

Contractual and legal considerations

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

Compliance with a British Standard cannot confer immunity from legal obligations.

Introduction

The suitability of a fence is affected by factors such as intended purpose, desired service life, aesthetic considerations and availability of components.

When specifying a fence, allowance needs to be made for non-standard local conditions, for example, ground conditions might indicate that a variation in the post, type or length is desirable. The posts and struts and setting depths specified in this British Standard are intended for use in normal ground conditions, but if special conditions exist that warrant a change in the specification, e.g. the ground is softer or firmer than usual, such a change needs to be agreed with the specifier.

1 Scope

This part of BS 1722 specifies requirements for the construction and installation of rectangular wire mesh fences, line wire and dropper strained wire fences and hexagonal wire netting fences.

This British Standard aims to establish minimum requirements for materials and workmanship for the more common types of fence in order to ensure satisfactory service for the client and to assist manufacturers and installers by eliminating unnecessary minor variations in the demands of clients.

Requirements are specified for sizes of components, together with the permissible tolerances. These are minimum requirements and it is normally acceptable to use larger sizes, except if this could adversely affect the fitting of components or if replacement parts are required to match up with those already present.

Requirements are specified for protective treatment. However, general maintenance requirements of the fence after installation are outside the scope of this standard.

The typical dimensions for lengths of posts and struts and foundation sizes specified are for normal ground conditions. This part of BS 1722 does not cover conditions of particularly firm or soft ground, where other lengths or foundation sizes might be required.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes provisions of this document¹⁾. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

[BS 1202-1](#), *Specification for nails – Part 1: Steel nails*

[BS 1722-1](#), *Fences – Part 4: Specification for cleft chestnut pale fences*

[BS 4107](#), *Specification for steel wire for general fencing purposes*

[BS 4320](#), *Specification for metal washers for general engineering purposes – Metric series*

[BS 4449](#), *Steel for the reinforcement of concrete – Weldable reinforcing steel – Bar, coil and decoiled product – Specification*

[BS 4482](#), *Steel wire for the reinforcement of concrete products – Specification*

[BS 4483](#), *Steel fabric for the reinforcement of concrete – Specification*

[BS 4652](#), *Specification for zinc-rich priming paint (organic media)*

[BS 8417](#)²⁾, *Preservation of wood – Code of practice*

¹⁾ Documents that are referred to solely in an informative manner are listed in the Bibliography.

²⁾ This standard also gives informative reference to BS 8417:2011+A1:2014.