

Specification for

Prestressed concrete pressure pipes — (Including fittings)

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British Slag Federation	Ministry of Housing and Local Government
British Steel Industry	Ministry of Public Building and Works
Cement and Concrete Association*	Ministry of Public Building and Works —
Cement Makers' Federation*	Building Research Station
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The Government departments and scientific and industrial organizations marked with an asterisk in the above list, together with the following, were directly represented on the committee entrusted with the preparation of this British Standard:

British Waterworks Association	Stanton and Staveley Limited
McNeill Rocla Pipes Ltd.	Water Research Association
Rocla Pipes Ltd.	

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Foreword

This standard makes references to the following British Standards:

BS 12, *Portland cement (ordinary and rapid-hardening)*.

BS 785, *Hot rolled bars and hard drawn wire for the reinforcement of concrete*.

BS 882, BS 1201, *Aggregates from natural sources for concrete (including granolithic)*.

BS 903, *Methods of testing vulcanized rubber*.

BS 970, *Wrought steels in the form of bars, billets, and forgings, up to 6 in ruling section, for automobile and general engineering purposes. En series*.

BS 1144, *Cold worked steel bars for the reinforcement of concrete*.

BS 1221, *Steel fabric for the reinforcement of concrete*.

BS 1449, *Steel plate, sheet and strip*.

BS 1881, *Methods of testing concrete*.

BS 2494, *Rubber joint rings for gas mains, water mains and drainage purposes*.

BS 2691, *Steel wire for prestressed concrete*.

BS 3148, *Tests for water for making concrete*.

BS 3514, *Oil resistant rubber joint rings*.

BS 4027, *Sulphate-resisting Portland cement*.

BS 4360, *Weldable structural steels*.

BS 4449, *Hot rolled steel bars for the reinforcement of concrete*.

BS 4461, *Cold worked steel bars for the reinforcement of concrete*.

BS 4483, *Steel fabric for the reinforcement of concrete*.

This British Standard deals with the manufacture of prestressed concrete pipes, which are designed primarily for the conveyance of water and sewage under pressure and fittings for use with them.

Two types of prestressed concrete pipes are covered by the specification, prestressed concrete cylinder pipes and prestressed concrete non-cylinder pipes, as defined in 1.2.

This standard contains the following sections:

- *Section 1: General clauses applicable to all prestressed concrete pipes and fittings complying with this standard;*
- *Section 2: Prestressed concrete cylinder pipes;*
- *Section 3: Prestressed concrete non-cylinder pipes.*

A technical specification for fittings has been included in this standard as Appendix A.

Prestressed concrete pipes can be readily manufactured to suit individual requirements. It may often be possible to effect considerable economy by so doing and where applicable by designing the pipe lines in sections.

The metric dimensions for the preferred nominal internal diameters given in 1.1 are those which the committee would wish, ultimately, to see adopted. It is recognized that the dimensions which may be supplied may differ for a time from the preferred sizes dependant on availability of manufacturing equipment.

To make full economic use of the existing prestressing plant the manufacturing diameter may differ from the nominal. The limiting amount of this variation is covered in 1.13.

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.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, pages 1 to 11 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.

