



BSI Standards Publication

**Thermoplastics ancillary fittings of
nominal sizes 110 and 160 for below
ground gravity drainage and sewerage —
Specification**

Publishing and copyright information

The BSI copyright notice displayed in this document indicates when the document was last issued.

© The British Standards Institution 2022

Published by BSI Standards Limited 2022

ISBN 978 0 539 16106 9

ICS 91.140.80; 93.030; 83.140.30

The following BSI references relate to the work on this document:

Committee reference PRI/88/1

Draft for comment 21/30430132 DC

Amendments/corrigenda issued since publication

Date	Text affected
------	---------------

Contents

	Page
Foreword	ii
Introduction	1
1 Scope	1
2 Normative references	1
3 Terms, definitions, symbols and abbreviations	3
<i>Figure 1 — Example of an adaptor</i>	3
<i>Figure 2 — Examples of adjustable fittings</i>	4
<i>Figure 3 — Examples of gullies</i>	5
<i>Figure 4 — Typical channel fittings</i>	7
4 Materials	8
4.1 General	8
4.2 Additional requirements for exposed fittings	8
5 General characteristics	8
5.1 Appearance	8
5.2 Colour	9
5.3 Adhesives	9
5.4 Elastomeric joint rings	9
6 Geometrical characteristics	9
6.1 General	9
6.2 Dimensions	9
7 Mechanical characteristics	10
<i>Table 1 — Mechanical characteristics of ancillary fittings</i>	10
8 Physical characteristics	10
8.1 Injection moulded ancillary fittings	10
8.2 Fabricated ancillary fittings	10
<i>Table 2 — Physical characteristics of fabricated ancillary fittings</i>	11
9 Performance characteristics	11
9.1 General	11
<i>Table 3 — Fitness for purpose requirements for ancillary fittings</i>	11
9.2 Classification by area of installation	12
10 Marking and additional documentation	12
10.1 General	12
<i>Table 4 — Minimum required marking of ancillary fittings</i>	13
10.2 Additional documentation	13
Annex A (informative) Guidance on quality control testing	14
<i>Table A.1 — Applicability of requirements and test methods</i>	14
Annex B (normative) Method of test for the impact resistance of gully grates and covers	15
Annex C (normative) Method of test for water seal	16
Bibliography	18

Summary of pages

This document comprises a front cover, an inside front cover, pages I to IV, pages 1 to 18, an inside back cover and a back cover.

Foreword

Publishing information

This British Standard is published by BSI Standards Limited, under licence from The British Standards Institution, and came into effect on 30 April 2022. It was prepared by Subcommittee PRI/88/1, *Plastics piping for non-pressure applications*, under the authority of Technical Committee PRI/88, *Plastics piping systems*. A list of organizations represented on these committees can be obtained on request to the committee manager.

Supersession

This British Standard supersedes [BS 4660:2000](#), which is withdrawn.

Information about this document

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

- the scope has been updated to clarify the intended use, to include additional products and to delete products that are covered by other European standards;
- relevant clauses have been updated to specify which materials may be used for the manufacture of products;
- test method references in the tables and all the annexes in this document have been updated; and
- references to relevant European standards are included and requirements specified under appropriate clause headings.

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.

Product certification/inspection/testing. Users of this British Standard are advised to consider the desirability of third-party certification/inspection/testing of product conformity with this British Standard. Appropriate conformity attestation arrangements are described in BS EN ISO/IEC 17065. Users seeking assistance in identifying appropriate conformity assessment bodies or schemes may ask BSI to forward their enquiries to the relevant association.

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”).

Contractual and legal considerations

This publication has been prepared in good faith, however no representation, warranty, assurance or undertaking (express or implied) is or will be made, and no responsibility or liability is or will