

Cast iron soil pipe, fittings, and means of joining



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CSA Standards Update Service

B70-12

January 2012

Title: *Cast iron soil pipe, fittings, and means of joining*

Pagination: **26 pages** (vii preliminary and 19 text), each dated **January 2012**

To register for e-mail notification about any updates to this publication

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CSA Standard

B70-12

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ASSOCIATION**

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*Published in January 2012 by Canadian Standards Association
A not-for-profit private sector organization
5060 Spectrum Way, Suite 100, Mississauga, Ontario, Canada L4W 5N6
1-800-463-6727 • 416-747-4044*

Visit our Online Store at shop.csa.ca



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ISSN 1978-1-55491-697-9

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Contents

Technical Committee on Cast Iron Soil Pipe v

Preface vii

1 Scope 1

2 Reference publications 1

3 Definitions 2

4 Pipe and fittings 2

4.1 Materials 2

4.2 Dimensions 3

4.3 Fittings 4

4.4 Elastomeric gaskets for hub and spigot compression joints 4

4.4.1 Compounds 4

4.4.2 Dimensions 4

4.4.3 Quality of work 4

4.4.4 Elastomeric gaskets used in compression joints 5

4.5 Mechanical couplings 5

5 Piston expansion joints 6

5.1 General 6

5.2 Test methods 6

5.2.1 Cycling test 6

5.2.2 Offset test 6

5.2.3 Breakaway force test 6

5.3 Performance criteria 7

5.3.1 Cycling test 7

5.3.2 Offset test 7

5.3.3 Breakaway force test 7

6 Crush test for pipe 7

6.1 General 7

6.2 Test equipment 7

6.3 Test method 7

6.4 Performance criteria 7

7 Pressure test for pipe and fittings 8

8 Backwater valves 8

8.1 General 8

8.2 Sealing elements 8

8.3 Waterway 9

8.4 Watertightness testing 9

8.4.1 General 9

8.4.2 Test methods 9

9 Factory testing 10**10 Markings** 10

- 10.1 General 10
- 10.2 Pipe 10
- 10.3 Fittings 11
- 10.4 Backwater valves 11
- 10.5 Elastomeric gaskets 11
- 10.6 Piston expansion joints 11

Annexes

- A** (informative) — Recommended sizes and locations of gasket-positioning lugs 19

Tables

- 1** — Dimensions of plain-end pipe and fittings 12
- 2** — Dimensions of hub and spigot pipe and fittings 13
- 3** — Minimum fitting radius 14
- 4** — Dimensions for tapped bosses 15
- 5** — Piston expansion joint minimum offset distance 16
- 6** — Backwater valve waterway and watertightness 16

Figures

- 1** — Offset test for piston expansion joints 17
- 2** — Crush test for pipe 18

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Preface

This is the eleventh edition of CSA B70, *Cast iron soil pipe, fittings, and means of joining*. It supersedes the previous editions published in 2006, 2002, 1997, 1991, 1986, 1978, 1974, 1971, 1963, and 1941.

This edition includes the following significant changes:

- (a) addition of requirements for expansion joints; and
- (b) revision of factory testing frequency.

This Standard is considered suitable for use for conformity assessment within the stated scope of the Standard.

This Standard was prepared by the Technical Committee on Cast Iron Soil Pipe, under the jurisdiction of the Strategic Steering Committee on Water Management Products, Materials, and Systems, and has been formally approved by the Technical Committee.

January 2012

Notes:

- (1) *Use of the singular does not exclude the plural (and vice versa) when the sense allows.*
- (2) *Although the intended primary application of this Standard is stated in its Scope, it is important to note that it remains the responsibility of the users of the Standard to judge its suitability for their particular purpose.*
- (3) *This publication was developed by consensus, which is defined by CSA Policy governing standardization — Code of good practice for standardization as “substantial agreement. Consensus implies much more than a simple majority, but not necessarily unanimity”. It is consistent with this definition that a member may be included in the Technical Committee list and yet not be in full agreement with all clauses of this publication.*
- (4) *To submit a request for interpretation of CSA Standards, please send the following information to inquiries@csa.ca and include “Request for interpretation” in the subject line:*
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 - (a) *Standard designation (number);*
 - (b) *relevant clause, table, and/or figure number;*
 - (c) *wording of the proposed change; and*
 - (d) *rationale for the change.*

B70-12

Cast iron soil pipe, fittings, and means of joining

1 Scope

1.1

This Standard covers cast iron soil pipe, fittings, and means of joining for installation in gravity-flow plumbing systems inside and outside of buildings, above and below grade.

Note: *Pipe and fittings that comply with this Standard are not universally compatible with pipe and fittings manufactured in accordance with ASTM A74 and ASTM A888.*

1.2

In CSA standards, “shall” is used to express a requirement, i.e., a provision that the user is obliged to satisfy in order to comply with the standard; “should” is used to express a recommendation or that which is advised but not required; and “may” is used to express an option or that which is permissible within the limits of the standard.

Notes accompanying clauses do not include requirements or alternative requirements; the purpose of a note accompanying a clause is to separate from the text explanatory or informative material.

Notes to tables and figures are considered part of the table or figure and may be written as requirements.

Annexes are designated normative (mandatory) or informative (nonmandatory) to define their application.

1.3

The values given in SI units are the units of record for the purposes of this Standard. The values given in parentheses are for information and comparison only. All references to gallons are to US gallons.

2 Reference publications

This Standard refers to the following publications, and where such reference is made, it shall be to the edition listed below, including all amendments published thereto.

CSA (Canadian Standards Association)

CAN/CSA-B602-10

Mechanical couplings for drain, waste, and vent pipe and sewer pipe

ASME (The American Society of Mechanical Engineers)

B1.20.1-1983 (R2001)

Pipe Threads, General Purpose, Inch

ASTM International (American Society for Testing and Materials)

A74-09

Standard Specification for Cast Iron Soil Pipe and Fittings

A367-11

Standard Test Methods of Chill Testing of Cast Iron