

Ductile iron pipes and fittings

Amendment No. 1

Revised text amendment

Publishing and Approval Dates

Council of Standards Australia Approval: 14 May 2021

New Zealand Standards Approval Board Approval: 4 May 2021

Published: 11 June 2021

Summary

This amendment applies to the following elements:

- Preface
- Clauses 1.2, 1.4, 1.6.3.2, 1.8.2, 2.5.4, 4.2.3, 4.2.4, D.1, F.4
- Tables 1.6.3.1, A.4, D.1, H.4, H.16
- Figure H.4

Amendment details

AS/NZS 2280:2020 is amended as follows. The amendments should be inserted in the locations as instructed.

Element	Instruction/New text
Preface	In the introduction to the list of major changes, <i>delete</i> “include” and <i>replace</i> with “are as follows”.
Cl 1.2	1 <i>Add</i> the following document after AS 3972: AS ISO 7.1, <i>Pipe threads where pressure-tight joints are made on the threads, Part 1: Dimensions, tolerances and designation</i> 2 <i>Delete</i> “Standard Methods for the Examination of Water and Wastewater, Part 3111: Metals by Flame Atomic Absorption Spectrometry. American Public Health Association (APHA), American Water Works Association (AWWA), Water Environment Federation (WEF)” and <i>replace</i> with “Standard Methods for the Examination of Water and Wastewater, Part 3500: Sodium. American Public Health Association (APHA), American Water Works Association (AWWA), Water Environment Federation (WEF)”.
Cl 1.4	In the notation for “PN”, <i>delete</i> “(see Clause 1.3.15)” and <i>replace</i> with “(see Clause 1.3.14)”.
Cl 1.6.3.2	At the end of the clause, <i>add</i> the following new paragraph: Fittings wall thicknesses for pressure classifications PN16, PN20 and PN35 shall be as given in Appendix H Figures H.2 to H.16 and Tables H.2 to H.16.
Tbl 1.6.3.1	In the table header, column 2, <i>delete</i> “KT” and <i>replace</i> with “K _T ”.
Cl 1.8.2	<i>Delete</i> clause text, not including the note, and <i>replace</i> with the following: Each fitting shall be clearly marked with the following, cast onto the fitting in raised form:

Element	Instruction/New text
	(a) Manufacturer's name or mark.
	(b) Nominal size.
	(c) The word "DUCTILE" or "DI".
	(d) Where applicable, the angle of the bend.
	(e) Pressure classification.
	(f) The number of this Standard, i.e. AS/NZS 2280.
CI 2.5.4	<i>Add</i> the following as the second paragraph: The corrosion protection system shall be fully effective for all internally wetted surfaces.
CI 4.2.3	In the first sentence, <i>delete</i> "no leakage shall be allowed" and <i>replace</i> with "there shall be no leakage".
CI 4.2.4	<i>Delete</i> the second sentence and <i>replace</i> with "There shall be no leakage."
Tbl A.4	In "Dimensions", rows 6 and 7, column 4, <i>delete</i> "Appendix C" and <i>replace</i> with "Appendix E".
CI D.1	In Item (c) <i>delete</i> the second sentence and <i>replace</i> with "Where recycled water is used, the water shall be as specified in Table D.1 ."
Tbl D.1	<i>Delete</i> the table and <i>replace</i> with the following:

Table D.1 — Quality of recirculated process water

Water quality indicator	Limit on concentration	Test method APHA
Total dissolved solids	≤ 3 000 mg/L	Part 2540
Chloride, Cl ⁻	≤ 500 mg/L	Part 4500-Cl ⁻
Sulfate, SO ₄ ²⁻	≤ 800 mg/L	Part 4500-SO ₄ ²⁻
Sodium, Na ⁺	≤ 300 mg/L	Part 3500-Na
Oil and grease	≤ 50 mg/L	Part 5520
pH	> 5.0	Part 4500-H ⁺

CI F.4	<i>Delete</i> the last sentence.
Fig H.4	<i>Delete</i> figure and <i>replace</i> with the following: