

STANDARDS AUSTRALIA

Amendment No. 1
to
AS 3688—2005
Water supply—Metallic fittings and end connectors

REVISED TEXT

The 2005 edition of AS 3688 is amended as follows; the amendment(s) should be inserted in the appropriate place(s).

SUMMARY: This Amendment applies to Clauses 1.1, 1.2, 1.7, 2.4.3, 9.2, 9.3.2.1, 9.4, 10.1, Figures 5.2.1, 6.2.1 (A) and 6.2.1 (B), 9.3.1.2 (A) and 9.3.1.2 (B) and Appendix B.

Published on 4 October 2006.

AMDT
No. 1
OCT
2006

Clause 1.1

- 1 *Delete* first paragraph and *replace* with the following:

This Standard specifies requirements for metallic body pipe fittings and connectors for use with copper tube and stainless steel pipes, and tubes and adaptor fittings for connection to other pipe materials in water supply and gas systems where the normal working temperature does not exceed—

- (a) 95°C, and where the maximum operating pressure does not exceed 1.4 MPa; or
- (b) the ambient supply temperature, where the maximum operating pressure does not exceed 2.1 MPa.

- 2 Delete Note 1.

AMDT
No. 1
OCT
2006

Clause 1.2

After Item (g) *add* the following paragraphs:

Fittings such as end connectors intended to join alternative pipe systems made from other materials (e.g., plastics) shall also comply with the relevant dimensional and performance requirements of the appropriate Australian, New Zealand or Joint Australian/New Zealand Standard for the alternative pipe system.

For limitations on use of fittings in gas applications, see AS 5601.

Metallic systems, fittings, end connectors and couplings joined to alternative systems may be certified to this Standard (AS 3688).

AMDT
No. 1
OCT
2006

Clause 1.7.1

- 1 Item (c), *delete* the word ‘and’.
- 2 Item (d), *delete* full point and *replace* with ‘; and’.
- 3 *Add* new Item (e) as follows:
 - (e) UV degradation due to weathering.

AMDT
No. 1
OCT
2006

Clause 2.4.3

Delete Clause 2.4.3.

Table 3.7.2 (A)

Delete the existing Table 3.7.2 (A) and *replace* with the following:

Nominal size	Sections subject to hydrostatic pressure	Sections not subject to hydrostatic pressure	Formed from tube
DN	mm	mm	mm
6	1.8	1.1	0.6
8	1.8	1.1	0.6
10	1.8	1.1	0.77
15	1.8	1.1	0.77
18	1.8	1.1	0.88
20	1.8	1.1	0.88
25	2.2	1.4	1.04
32	2.2	1.4	1.04
40	2.8	1.7	1.04
50	2.8	1.7	1.04
65	3.2	1.9	1.04
80	3.2	1.9	1.39
90	3.2	1.9	1.39
100	3.4	2.1	1.47
125	3.4	2.1	1.47
150	3.4	2.1	1.78
200	3.4	2.1	1.83

Figure 5.2.1

Delete the existing table and *replace* with the following:

1	2		3	4	5	6	7
Nominal size DN	Internal diameter of socket (dimension A) mm		Length of socket surface in contact with tube (dimension B) mm	Minimum wall thickness			
				Tubular sections*		Forged and other sections†	
	Min.	Max.	Min.	X	Y	X	Y
10	9.55	9.65	7.5	0.77	0.7	1.8	1.1
15	12.72	12.82	9.0	0.77	0.7	1.8	1.1
18	15.90	16.00	11.0	0.88	0.8	1.8	1.1
20	19.07	19.17	13.5	0.88	0.8	1.8	1.1
25	25.42	25.56	17.0	1.04	0.9	2.2	1.4

* For materials complying with Clauses 2.3.2 (a) and 2.3.3 (d).

† For materials complying with Clauses 2.3.3(a), (b) and (c).

NOTE: The top half of each section indicates typical machined sockets and the bottom half of each section indicates typical formed sockets.

Figure 6.2.1 (A)

Delete Note 4.