

Australian Standard[®]

**Capillary fittings of copper and copper
alloy for non-pressure sanitary
plumbing applications**



This Australian Standard® was prepared by Committee WS-002, Sanitary Plumbing Fittings. It was approved on behalf of the Council of Standards Australia on 23 February 2007.

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The following are represented on Committee WS-002:

- Australian Industry Group
 - Australian Stainless Steel Development Association
 - Brisbane Water
 - Building Officials Institute of New Zealand
 - Certification Interests (Australia)
 - Master Plumbers, Gasfitters and Drainlayers New Zealand
 - Plastics Industry Pipe Association of Australia
 - Queensland Brassware Industry Advisory Panel
 - South Australian Water Corporation
 - Testing Interests (Australia)
 - Water Corporation Western Australia
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STANDARDS AUSTRALIA

RECONFIRMATION

OF

AS 3517–2007

**Capillary fittings of copper and copper alloy for non-pressure
sanitary plumbing applications**

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NOTES

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PREFACE

This Standard was prepared by the Standards Australia Committee WS-002, Sanitary Plumbing Fittings, to supersede AS 3517—1995.

The objective of this Standard is to provide manufacturers basic design requirements for non-pressure fittings used in sanitary plumbing applications.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ appendix is an integral part of a Standard, whereas an ‘informative’ appendix is only for information and guidance.

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STANDARDS AUSTRALIA

Australian Standard

Capillary fittings of copper and copper alloy for non-pressure sanitary plumbing applications

1 SCOPE

This Standard specifies requirements for copper and copper alloy capillary fittings for use in non-pressure sanitary plumbing applications with tubes complying with AS 1432 and AS 3795 in the range of nominal sizes from DN 32 to DN 225. It covers cast, hot-pressed, shell-moulded, and tubular fittings with socket/spigot capillary connection ends.

This Standard does not apply to fittings for use in pressure applications, including pumping mains and flushing systems in sanitary plumbing systems (see AS 3688), nor to waste fittings (see AS 1589).

NOTE: Illustrations used in this Standard are diagrammatic only and have been chosen without prejudice.

2 REFERENCED DOCUMENTS

The documents referred to in this Standard are listed in Appendix A.

3 DEFINITIONS

For the purpose of this Standard, the definitions given in AS/NZS 3500.0 and the one below apply.

3.1 Component

That part, or a sub-assembly of parts, that contributes to the construction of a total assembly by choice or design which will offer variations of fitment for the application of the major element of this product, whether produced by the same manufacturer or not.

4 DESIGNATION OF SIZES

The size by which a fitting is designated shall be the nominal size of the tube with which it is to be used. The method of specifying the sizes of fittings shall be in accordance with Appendix B.

NOTE: Designated sizes do not necessarily indicate exact dimensions as these details are given in the relevant tables herein.

5 MARKING

5.1 Space for WaterMark or mark of certifying body

Provision shall be made on every fitting for the WaterMark or mark of the certifying body. The area shall be of sufficient size to accommodate the mark. Continuously threaded products shall be exempt from this requirement. Indented marks shall be applied in such a way as not to deform or otherwise damage the fitting. Manufacturers may agree with the certifying body whether or not the mark will be applied to individual components in a fitting that passes the required tests.