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Superseded by AS 1718-1992

AS 1718—1988



**Standards  
Association of  
Australia**



# **Australian Standard<sup>®</sup> 1718—1988**

## **WATER SUPPLY— COPPER ALLOY SCREW-DOWN PATTERN TAPS—SPECIFIED BY DIMENSIONS**



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This Australian Standard was prepared by Committee WS/1, Brass Water Fittings. It was approved on behalf of the Council of the Standards Association of Australia on 30 September 1988 and published on 12 December 1988.

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The following interests are represented on Committee WS/1:

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Australian Valve Manufacturers Association  
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**AUSTRALIAN STANDARD**

**WATER SUPPLY—  
COPPER ALLOY SCREW-DOWN  
PATTERN TAPS—  
SPECIFIED BY DIMENSIONS**

**AS 1718—1988**

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## PREFACE

This Standard was prepared by the Association's Committee on Brass Water Fittings, to supersede (in part) AS 1718—1975, *Copper alloy draw-off taps, stop taps, and ferrule or main taps for use in water supply and hot water services.*

This Standard covers taps that are specified by dimension. Taps that are specified by performance are covered in a separate Standard.

This Standard maintains the essential features of Sections 1 and 2 of AS 1718—1975, but requirements have been altered to make this Standard suitable for the scheme for independent assurance provided by the Association.

This Standard applies to copper alloy draw-off taps, stop taps, ferrule taps, and main taps for use in hot and cold water applications where the continuous working pressure does not exceed 1.4 MPa. (AS 1718—1975 applies to non-shock working pressures not exceeding 1.7 MPa.)

The purpose of this Standard is to specify those taps that are currently being manufactured in accordance with Sections 1 and 2 of AS 1718—1975 as distinct from providing a basis for new designs of taps. It is envisaged that new tap designs will be incorporated in AS 3718.

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## STANDARDS ASSOCIATION OF AUSTRALIA

## Australian Standard

WATER SUPPLY—COPPER ALLOY SCREW-DOWN PATTERN TAPS—  
SPECIFIED BY DIMENSIONS

## SECTION 1. SCOPE AND GENERAL

**1.1 SCOPE.** This Standard specifies requirements for copper alloy screw-down pattern draw-off taps and delivery taps with loose jumper valves, in a range of nominal sizes from 10 to 50 inclusive with continuous working pressures not exceeding 1.4 MPa and continuous operating temperatures not exceeding 95 °C.

Free water outlets that are a removable part of the tap are not covered by this Standard.

**1.2 REFERENCED DOCUMENTS.** A list with titles of the documents referred to in this Standard is given in Appendix F.

**1.3 DEFINITIONS.** For the purpose of this Standard, the definitions given in AS 1355 and those below apply.

**1.3.1 Aerator**—a device incorporated in or attached to the outlet of a draw-off tap to introduce air into the flow to minimize splashing.

**1.3.2 Air gap**—the unobstructed vertical distance through the free atmosphere between the lowest opening from any pipe or fittings supplying water to a tank, fixture, or other device and the spill level of the receptacle.

**1.3.3 Spill level**—the maximum height to which the water level will rise in any fixture, storage tank, or receptacle while overflowing freely either over its rim or through any channels or overflows that are provided, and have a free discharge to atmosphere under all conditions.

**1.3.4 Bib tap**—a draw-off tap with a horizontal inlet connection and a free water outlet.

**1.3.5 Combined tap**—a draw-off tapset consisting of two taps combined into one assembly or body with hot and cold water inlets, separate hot and cold control handles and a single free water outlet.

**1.3.6 Delivery tap**—a tap for the purpose of delivering water.

**1.3.7 Drain tap**—a draw-off tap for draining the contents of a vessel.

**1.3.8 Draw-off tap**—a tap for the purpose of drawing off water.

**1.3.9 Dezincification**—the selective corrosion of copper alloys in which the original alloy loses its zinc component and is converted into a spongy mass of copper which has poor mechanical strength.

**1.3.10 Ferrule stop tap**—a tap with vertical inlet externally threaded, and horizontal outlet suitable for controlling flow from a water main into a service pipe.

**1.3.11 Footpath stop tap**—a stop tap for use between the water service and the supply pipe to the premises.

NOTE: A footpath tap is sometimes referred to as a meter stop.

**1.3.12 Free water outlet**—an outlet which is not removable from the body of the tap or tap set breaching piece and which discharges freely to the atmosphere. The outlet may be exposed or concealed and may incorporate an aerator or spray or a diverter valve to direct the flow to different free water outlets.

**1.3.13 Hose tap**—a draw-off tap with an external screw thread on the outlet for attachment of the coupling of a flexible hose.

**1.3.14 Hot water service**—a water service intended to supply hot water at an operating temperature not exceeding 80 °C.

**1.3.15 In-line tap**—a tap with the centreline of both the inlet and the outlet in line or parallel.

**1.3.16 Isolating tap**—a delivery tap for insertion into the pipeline to deliver water to a tap, valve, fixture, or combination thereof and shut only for maintenance or failure of the downstream installation.

**1.3.17 Meter stop**—see footpath tap (Clause 1.3.11).

**1.3.18 Pillar tap**—a draw-off tap with a vertical inlet connection and a free water outlet.

**1.3.19 Right angle tap**—a tap in which the centrelines of the inlet and outlet are at right angles.

**1.3.20 Rising spindle tap**—a screw-down pattern tap in which the spindle rises when the tap is opened.

**1.3.21 Screw-down pattern tap**—a tap in which the sealing component is screwed down against a sealing face or seat.

**1.3.22 Stop tap**—a delivery tap for insertion into a pipeline.

**1.3.23 Tap**—a valve with an outlet used as a draw-off or delivery point.

**1.3.24 Tap body**—that part of a tap or of a tap assembly which includes the inlet and outlet connections.

**1.3.25 Tap head**—that part of a tap assembly which is removable and retains the shut-off device.

**1.3.26 Tapset breaching piece**—individual hot and cold stop tap bodies in a free-water outlet assembly.

**1.3.27 Washing machine tap**—a draw-off tap or an assembly incorporating a free-water outlet or a delivery outlet for delivering water to a washing machine.

**1.3.28 Water supply pipework**—pipework intended to supply water.