

Australian Standard[®]

Automatic fire sprinkler systems

**Part 9: Piping support and
installation**

This Australian Standard was prepared by Committee FP/4, Standard Sprinkler Installations. It was approved on behalf of the Council of Standards Australia on 13 March 1995 and published on 5 July 1995.

The following interests are represented on Committee FP/4:

Australian Building Codes Board
Australian Chamber of Commerce and Industry
Australian Chamber of Manufactures
Australian Construction Services, Department of Administrative Services
Australian Fire Authorities Council
Australian Fire Protection Association
Australian Water and Sewerage Authorities
Commonwealth Fire Board
CSIRO—Division of Building, Construction and Engineering
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PREFACE

This Australian Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee on Automatic Sprinkler Installations, to supersede in part AS 2118—1988, *SAA Code for Automatic Fire Sprinkler Systems*.

This Standard is the result of a consensus among representatives on the joint committee to produce it as an Australian Standard.

The revisions to AS 2118 include Standards Australia's requirements to keep product and installation Standards separate. When complete the series will comprise:

AS

- 2118 Automatic fire sprinkler systems
 - Part 1: Standard
 - Part 2: Wall wetting sprinklers (Drenchers)
 - Part 3: Deluge
 - Part 4: Residential
 - Part 5: Domestic
 - Part 6: Combined sprinkler and hydrant
 - Part 9: Piping support and installation
 - Part 10: Approval documentation
- 4118 Fire sprinkler systems
 - Part 1.1: Components—Sprinklers and sprayers
 - Part 1.2: Components—Alarm valves (wet)
 - Part 1.3: Components—Water motor alarms
 - Part 1.4: Components—Valve monitors
 - Part 1.5: Components—Deluge and pre-action valves
 - Part 1.6: Components—Stop valves and non-return valves
 - Part 1.7: Components—Alarm valves (dry)
 - Part 1.8: Components—Pressure reducing valves
 - Part 1.9: Components—Accelerators and exhausters
 - Part 2.1: Piping—General

Originated as part of AS CA16—1939 (endorsement of Seventh Edition of FOC Rules).
 Previous edition AS 2118—1982.
 Revised and redesignated in part as AS 2118.9—1995.

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STANDARDS AUSTRALIA

Australian Standard

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Part 9: Piping support and installation

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE This Standard specifies requirements for the support and installation of piping for fire sprinkler systems.

1.2 NEW DESIGNS AND INNOVATIONS Any alternative materials, designs, methods of assembly, and procedures that do not comply with specific requirements of this Standard, or are not mentioned in it, but that give equivalent results to those specified are not necessarily prohibited. The specified approval remains the prerogative of the regulatory authority.

1.3 REFERENCED DOCUMENTS The following documents are referred to in this Standard:

AS

1074	Steel tubes and tubulars for ordinary service
1167	Welding and brazing—Filler metals
1281	Cement mortar lining of steel pipes and fittings
1432	Copper tubes for plumbing, gasfitting and drainage applications
1516	The cement mortar lining of pipelines in situ
1530	Methods of fire tests on building materials, components and structures
1530.4	Part 4: Fire-resistance test of elements of building construction
1538	Cold-formed Steel Structures Code
1579	Arc welded steel pipes and fittings for water and gas
1650	Hot-dipped galvanized coatings on ferrous articles
1674	Safety in welding and allied processes
1834	Material for soldering
1834.1	Part 1: Solder alloys
1834.2	Part 2: Flux-cored solders
1873	Powder-actuated (PA) hand-held fastening tools
1873.1	Part 1: Selection, operation and maintenance
1873.3	Part 3: Charges
1873.4	Part 4: Fasteners
2118	Automatic fire sprinkler systems
2118.1	Part 1: Standard
2118.4	Part 4: Residential
2118.5	Part 5: Domestic