

Australian Standard<sup>®</sup>

**Plumbing and drainage products**

**Part 053: Stainless steel pipes and  
tubes for pressure applications**



This Australian Standard® was prepared by Committee WS-019, Stainless Steel. It was approved on behalf of the Council of Standards Australia on 16 June 2008. This Standard was published on 11 August 2008.

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The following are represented on Committee WS-019:

- Australian Stainless Steel Development Association
  - Water Services Association of Australia
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Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

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## **Plumbing and drainage products**

### **Part 053: Stainless steel pipes and tubes for pressure applications**

Originated as ATS 5200.053—2006, ATS 5200.461—2004 and  
ATS 5200.471—2005.  
Revised, amalgamated and redesignated as AS 5200.053—2008.

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## PREFACE

This Standard was prepared by Standards Australia Committee WS-019, Stainless Steel, to supersede ATS 5200.053—2006, *Technical Specification for plumbing and drainage products, Part 053: Stainless steel pipes and tubes*, ATS 5200.461—2004, *Technical Specification for plumbing and drainage products, Part 461: Stainless steel tubes and mechanical compression fittings for pressure applications* and ATS 520.471—2005, *Technical Specification for plumbing and drainage products, Part 471: Stainless steel tubes and mechanical compression fittings for pressure applications—Alternative systems*.

The objective of this Standard is to enable product certification in accordance with the requirements of the Plumbing Code of Australia (PCA).

The test protocol and information in this Standard was arranged by committee members to meet the authorization requirements given in the Plumbing Code of Australia.

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**  
**Plumbing and drainage products**

Part 053: Stainless steel pipes and tubes for pressure applications

**1 SCOPE**

This Standard sets out the specifications and requirements for stainless steel pipes and tubes in the range of DN 15 to DN 300 used in hot and cold water supply systems.

NOTE: Pipes and tubes manufactured to this Standard are intended for assembly using fittings complying with AS 3688.

**2 APPLICATION**

This Standard will be referenced in AS 5200.000.

NOTE: AS 5200.000 provides the level of WaterMark Certification required for this product to be used in plumbing systems in accordance with the Plumbing Code of Australia.

Appendix A sets out the means by which compliance with this Standard shall be demonstrated by a manufacturer for the purpose of product certification.

**3 NORMATIVE REFERENCES**

The following documents are indispensable to the application of this Standard:

NOTE: Documents referenced for informative purposes are listed in the Bibliography.

**AS**

|          |  |
|----------|--|
| 1349     | Bourdon tube pressure and vacuum gauges                                  |
| 2084     | Non-destructive testing—Eddy current testing of metal tubes              |
| 5200     | Technical specification for plumbing and drainage products               |
| 5200.000 | Part 000: Procedures for certification of plumbing and drainage products |

**AS/NZS**

|        |  |
|--------|--|
| 3500   | Plumbing and drainage                                      |
| 3500.0 | Part 0: Glossary of terms                                  |
| 3500.1 | Part 1: Water services                                     |
| 4020   | Testing of products for use in contact with drinking water |

**EN**

|       |  |
|-------|--|
| 10312 | Welded Stainless Steel Tubes For The Conveyance Of Water And Other Aqueous Liquids—Technical Delivery Conditions |
|-------|--|

**ISO**

|       |  |
|-------|--|
| 10426 | Petroleum and natural gas industries—Cements and materials for well cementing (series) |
|-------|--|

**ASME**

|         |                      |
|---------|----------------------|
| B36.19M | Stainless Steel Pipe |
|---------|----------------------|