

Menu

- [Home Home](#)
- [About this portal](#)
- [Latest updates](#)

Print [Save](#) Email

[Resource detail](#)

[Citations](#)

## NZS/BS 21:1985 Specification for pipe threads for tubes and fittings where pressure-tight joints are made on the threads (metric dimensions)

Table of Contents

[View on Information Provider website](#) `{{ linkText }}`

Abbreviation

NZS/BS 21:1985

Amendment

Amendment 1- incorporated. Published 20/12/1990.

Valid from

29/09/1985

---

Information provider

Standards New Zealand

Author

Standards New Zealand, British Standards Institution

Information type

New Zealand Standard

Format

PDF

---

Cited By

[This resource is cited by 10 documents \(show Citations\)](#)

Cites

[This resource cites 1 document \(show Citations\)](#)

---

Description

Specifies a range of pipe threads from 1/16 to 6 for pressure-tight joints together with thread forms, dimensions and tolerances, and designations. Includes appendices for recommended gauging systems and methods of use of gauges. Requirements are given for jointing threads for taper external threads, taper or parallel internal threads and for long-screw threads for long-screws specified in BS 1387.

#### Scope

This Standard specifies requirements for the following pipe threads:

- (a) jointing threads, which are pipe threads for joints made pressure-tight by the mating of the threads and are taper external, taper internal or parallel internal threads;
- (b) long-screw threads, which are parallel pipe threads used for long-screws (connectors) specified in BS 1387 where a pressure-tight joint is achieved by the compression of a soft material on to the surface of the external thread by tightening a backnut against a socket.

Thread sizes from 1/16 to 6 inclusive are covered by this standard and requirements for thread forms, dimensions and tolerances are given, together with the designation of each type of thread.

For assistance with locating previous versions, please contact the information provider.

[Table of Contents](#) [View on Information Provider website](#) `{{ linkText }}`

For assistance with locating previous versions, please contact the information provider.

This resource is cited by:

## **NZS/BS 21:1985 Specification for pipe threads for tubes and fittings where pressure-tight joints are made on the threads (metric dimensions)**

This document is CITED BY:

- [G10/AS1 \(First Edition, Amendment 8\)](#)

NZS/BS 21:1985 is cited by Acceptable Solution G10/AS1: Piped Services from 01/07/1992

- [G10/AS1 \(First Edition, Amendment 5\)](#)

NZS/BS 21:1985 is cited by Acceptable Solution G10/AS1: Piped Services from 01/07/1992

- [G10/AS1 \(First Edition, Amendment 7\)](#)

NZS/BS 21:1985 is cited by Acceptable Solution G10/AS1: Piped Services from 01/07/1992

- [G10/AS1 \(First Edition, Amendment 6\)](#)

NZS/BS 21:1985 is cited by Acceptable Solution G10/AS1: Piped Services from 01/07/1992

- [G14/VM1 \(Second Edition, Amendment 4\)](#)

NZS/BS 21:1985 is cited by Verification Method G14/VM1: Industrial Liquid Waste from 21/06/2007

- [G14/VM1 \(Second Edition, Amendment 6\)](#)

NZS/BS 21:1985 is cited by Verification Method G14/VM1: Industrial Liquid Waste from 21/06/2007

- [G14/VM1 \(Second Edition, Amendment 3\)](#)

NZS/BS 21:1985 is cited by Verification Method G14/VM1: Industrial Liquid Waste from 21/06/2007

- [G14/VM1 \(Second Edition, Amendment 5\)](#)

NZS/BS 21:1985 is cited by Verification Method G14/VM1: Industrial Liquid Waste from 21/06/2007

- [AS/NZS 3500.4:2015](#)

NZS/BS 21:1985 is cited by AS/NZS 3500.4:2015 Plumbing and drainage - Heated water services

- [NZS 4608:1992](#)

NZS/BS 21:1985 is cited by NZS 4608:1992 Control valves for hot water systems

Back

## **NZS/BS 21:1985 Specification for pipe threads for tubes and fittings where pressure-tight joints are made on the threads (metric dimensions)**

Show what documents this resource is CITED BY

Show what documents this resource CITES

### **Description**

Specifies a range of pipe threads from 1/16 to 6 for pressure-tight joints together with thread forms, dimensions and tolerances, and designations. Includes appendices for recommended gauging systems and methods of use of gauges. Requirements are given for jointing threads for taper external threads, taper or parallel internal threads and for long-screw threads for long-screws specified in BS 1387.

[View on Information Provider website](#)

## [NZS/BS 21:1985 Specification for pipe threads for tubes and fittings where pressure-tight joints are made on the threads \(metric dimensions\)](#)

### Description

Specifies a range of pipe threads from 1/16 to 6 for pressure-tight joints together with thread forms, dimensions and tolerances, and designations. Includes appendices for recommended gauging systems and methods of use of gauges. Requirements are given for jointing threads for taper external threads, taper or parallel internal threads and for long-screw threads for long-screws specified in BS 1387.

[View on Information Provider website](#)

This resource cites:

## **NZS/BS 21:1985 Specification for pipe threads for tubes and fittings where pressure-tight joints are made on the threads (metric dimensions)**

This document CITES:

New Zealand Standards

- [NZS/BS 1387:1985](#)

NZS/BS 21:1985 cites NZS/BS 1387:1985 Specification for screwed and socketed steel tubes and tubulars and for plain end steel tubes suitable for welding or screwing to BS 21 pipe threads

Back

Close

Table of Contents

## **1 Scope**

## **2 Definitions**

## **3 Symbols**

## **4 Basic forms of pipe threads**

## **5 Jointing threads**

# **6 Longscrew threads**

## **Appendices**

### **A Recommended gauging systems for jointing threads**

### **B Methods of verification of jointing thread dimensions and form using recommended gauging systems described in Appendix A**

### **C Special parallel external threads for gas appliances where pressure-tight seals are made on machined faces**

## **Figures**

### **1 Terms relating to pipe threads**

### **2 Basic Whitworth form**

### **3 Basic form of taper pipe thread**

### **4 Typical designs illustrating internal taper or parallel pipe threads complying with 5.1**

### **5 System A screw gauges assembled respectively with threads of maximum and minimum sizes**

### **6 System B screw gauges assembled respectively with threads of maximum and minimum sizes**

### **7 Taper full-form screw plug gauge (system A)**

### **8 Taper full-form screw ring gauge (system A)**

### **9 Taper full-form screw plug gauge (System B)**

### **10 Taper full-form screw ring gauge (System B)**

**11 Taper plain plug gauge (system B)**

**12 Taper plain ring gauge (system B)**

## **Tables**

**1 Lengths for dimension A in Figure 4**

**2 Basic dimensions and limits of size**

**3 Dimensions of taper full-form screw plug and ring gauges for system A**

**4 Dimensions of taper full-form screw and taper plain plug and ring gauges for system B**

**5 Manufacturing tolerances for gauges for systems A and B**

**6 Special parallel external threads for gas appliances where pressure-tight seals are made on machined faces**

[Save](#)

[Feedback](#)


- [Contact us](#)
- [Privacy policy](#)
- [Disclaimer](#)
- [Copyright](#)


[Feedback](#)