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## NZS 4442:1988 Welded steel pipes and fittings for water, sewage and medium pressure gas

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### Abbreviation

NZS 4442:1988

### Valid from

29/06/1988

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### Information provider

Standards New Zealand

### Author

Standards New Zealand

### Information type

New Zealand Standard

### Format

PDF

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### Description

This Standard applies to welded steel pipes and fittings with butt welded seams in sizes of 100 mm to 1000 mm nominal pipe sizes intended primarily for the conveyance of water, sewage, and medium pressure gas.

Specifies standard outside diameters and requirements for commonly used fittings. Also specifies external protective coatings and internal linings.

### Scope

This Standard applies to welded steel pipes and fittings with butt welded seams in nominal sizes of 100 mm to 1000 mm intended primarily for the conveyance of water, sewage and medium pressure gas.

The high density polyethylene and coal tar enamel coatings specified in this Standard are most suitable for pipes buried underground.

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- [NZS 4541:2007](#)

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## NZS 4442:1988 Welded steel pipes and fittings for water, sewage and medium pressure gas

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This Standard applies to welded steel pipes and fittings with butt welded seams in sizes of 100 mm to 1000 mm nominal pipe sizes intended primarily for the conveyance of water, sewage, and medium pressure gas.

Specifies standard outside diameters and requirements for commonly used fittings. Also specifies external protective coatings and internal linings.

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### New Zealand Standards

- [NZS 3109:1987](#)

NZS 4442:1988 cites NZS 3109:1987 Specification for concrete construction

- [NZS 3112.1:1986](#)

NZS 4442:1988 cites NZS 3112.1:1986 Methods of test for concrete - Tests relating to fresh concrete

- [NZS 3112.2:1986](#)

NZS 4442:1988 cites NZS 3112.2:1986 Methods of test for concrete - Tests relating to the determination of strength of concrete

- [NZS 3121:1986](#)

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- [NZS 3122:1990](#)

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sulphate resisting)

#### Australian Standards

- [AS 1204:1980](#)  
NZS 4442:1988 cites AS 1204:1980 Structural steels - Ordinary weldable grades
- [AS 1518:1979](#)  
NZS 4442:1988 cites AS 1518:1979 Extruded high density polyethylene protective coating for pipes
- [AS 1594:1989](#)  
NZS 4442:1988 cites AS 1594:1989 Hot-rolled steel flat products (supersedes AS 1594:1981)
- [AS 2043:1977](#)  
NZS 4442:1988 cites AS 2043:1977 Coal-tar and synthetic (fast dry) primers for steel pipes
- [AS 2044:1977](#)  
NZS 4442:1988 cites AS 2044:1977 Coal-tar enamel for steel pipes
- [AS 2045:1977](#)  
NZS 4442:1988 cites AS 2045:1977 Materials associated with the coating and lining of steel pipes with coal-tar primer/enamel systems
- [AS 2046:1977](#)  
NZS 4442:1988 cites AS 2046:1977 Code of practice for the coating and lining of steel pipes with coal-tar enamel

#### Other

- [BS 1211:1958](#)  
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- [BS 18:1987](#)  
NZS 4442:1988 cites BS 18:1987 Method for tensile testing of metals (including aerospace materials)
- [BS 2600.1:1983](#)  
NZS 4442:1988 cites BS 2600-1:1983 Radiographic examination of fusion welded butt joints in steel. Methods for steel 2 mm up to and including 50 mm thick
- [BS 3600:1976](#)  
NZS 4442:1988 cites BS 3600:1976 Specification for dimensions and masses per unit length of welded and seamless steel pipes and tubes for pressure purposes
- [BS 4360:1986](#)  
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- [BS 499-2:1980](#)  
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- [BS 534:1981](#)  
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- [BS 709:1983](#)

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- [ISO 4200:1985](#)

NZS 4442:1988 cites ISO 4200-1985 Plain end steel tubes, welded and seamless - General tables of dimensions and masses per unit length

- [JIS G 3101:1995](#)

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- [NZS/BS 1780:1985](#)

NZS 4442:1988 cites NZS/BS 1780:1985 Specification for bourdon tube pressure and vacuum gauges

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**1 Standard outside diameters**

**2 Wall thickness**

**3 Tolerance of circumference**

**4 Height of weld reinforcement**

**5 Dimensions of standard fittings**

**6 Tolerances of dimensions of fittings**

**7 Thickness of concrete linings**

**Figure**

# 1 Test plate and disposition of pieces

## 2 Guided bend test

## 3 Nick break test

## 4 Tensile test piece

## 5 Dimensions of standard fittings

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