Skip to main content Skip to primary navigatio  Menu  Menu	<u>n</u>
<ul><li> Home Home</li><li> About this portal</li><li> Latest updates</li></ul>	
Print Save Email Resource detail	<u> </u>

# AS/NZS 1170.1:2002 (R2016) Structural Design Actions - Permanent, imposed and other actions

Table of Contents

<u>View on Information Provider website</u> {{ linkText }}

Abbreviation

Citations

AS/NZS 1170.1:2002

Amendment

A1 - incorporated. Published 27/04/2005, A2 - incorporated. Published 20/01/2009.

Valid from

03/06/2002

Information provider

Standards New Zealand

Author

Standards New Zealand, Standards Australia

Information type

New Zealand Standard

Format

PDF

Cited By

This resource is cited by 59 documents (show Citations)

Cites

This resource cites 33 documents (show Citations)

### Description

This Standard provides design values of permanent, imposed and other actions to be used in the limit state design of structures and members. It is intended to be used in conjunction with AS/NZS 1170.0.

Other actions covered include liquid pressure, ground water, rain water ponding and earth pressure.

## Scope

This Standard specifies permanent, imposed, static liquid pressure, ground water, rainwater ponding and earth pressure actions to be used in the limit state design of structures and parts of structures.

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

This resource is cited by:

# AS/NZS 1170.1:2002 (R2016) Structural Design Actions - Permanent, imposed and other actions

This document is CITED BY:

• B1/AS1 (First edition, Amendment 16)

AS/NZS 1170.1:2002 is cited by Acceptable Solution B1/AS1: General from 01/12/2008

• B1/AS1 (First edition, amendment 15)

AS/NZS 1170.1:2002 is cited by Acceptable Solution B1/AS1: General from 01/12/2008

• B1/AS1 (First Edition, Amendment 17)

AS/NZS 1170.1:2002 is cited by Acceptable Solution B1/AS1: General from 01/12/2008

B1/AS1 (First edition, Amendment 12)

AS/NZS 1170.1:2002 is cited by Acceptable Solution B1/AS1: General from 01/12/2008

B1/AS1 (First edition, Amendment 14)

AS/NZS 1170.1:2002 is cited by Acceptable Solution B1/AS1: General from 01/12/2008

B1/AS1 (First edition, Amendment 11)

AS/NZS 1170.1:2002 is cited by Acceptable Solution B1/AS1: General from 01/12/2008

B1/AS1 (First edition, Amendment 19)

AS/NZS 1170.1:2002 is cited by Acceptable Solution B1/AS1: General from 01/12/2008

B1/AS1 (First edition, Amendment 13)

AS/NZS 1170.1:2002 is cited by Acceptable Solution B1/AS1: General from 01/12/2008

B1/AS1 (First Edition, Amendment 18)

AS/NZS 1170.1:2002 is cited by Acceptable Solution B1/AS1: General from 01/12/2008

G10/AS1 (First Edition, Amendment 6)

AS/NZS 1170.1:2002 is cited by Acceptable Solution G10/AS1: Piped Services from 30/09/2010

G10/AS1 (First Edition, Amendment 5)

AS/NZS 1170.1:2002 is cited by Acceptable Solution G10/AS1: Piped Services from 30/09/2010

• G12/AS2 (Third Edition, Amendment 10)

AS/NZS 1170.1:2002 is cited by Acceptable Solution G12/AS2: Solar Water Heaters from 01/12/2007

• G12/AS2 (Third Edition, Amendment 9)

AS/NZS 1170.1:2002 is cited by Acceptable Solution G12/AS2: Solar Water Heaters from 01/12/2007

• G12/AS2 (Third Edition, Amendment 8)

AS/NZS 1170.1:2002 is cited by Acceptable Solution G12/AS2: Solar Water Heaters from 01/12/2007

• G12/AS2 (Third Edition, Amendment 12)

AS/NZS 1170.1:2002 is cited by Acceptable Solution G12/AS2: Solar Water Heaters from 01/12/2007

G12/AS2 (Third Edition, Amendment 11)

AS/NZS 1170.1:2002 is cited by Acceptable Solution G12/AS2: Solar Water Heaters from 01/12/2007

• G12/AS2 (Third Edition, Amendment 7)

AS/NZS 1170.1:2002 is cited by Acceptable Solution G12/AS2: Solar Water Heaters from 01/12/2007

• B1/VM1 (First edition, Amendment 13)

AS/NZS 1170.1:2002 is cited by Verification Method B1/VM1: Structure - General from 01/12/2008

• B1/VM1 (First edition, Amendment 16)

AS/NZS 1170.1:2002 is cited by Verification Method B1/VM1: Structure - General from 01/12/2008

B1/VM1 (First Edition, Amendment 12.)

AS/NZS 1170.1:2002 is cited by Verification Method B1/VM1: Structure - General from 01/12/2008

B1/VM1 (First Edition, Amendment 17)

AS/NZS 1170.1:2002 is cited by Verification Method B1/VM1: Structure - General from 01/12/2008

• B1/VM1 (First edition, amendment 15)

AS/NZS 1170.1:2002 is cited by Verification Method B1/VM1: Structure - General from 01/12/2008

• B1/VM1 (First Edition, Amendment 11)

AS/NZS 1170.1:2002 is cited by Verification Method B1/VM1: Structure - General from 01/12/2008

• B1/VM1 (First edition, Amendment 14)

AS/NZS 1170.1:2002 is cited by Verification Method B1/VM1: Structure - General from 01/12/2008

B1/VM1 (First edition, Amendment 10)

AS/NZS 1170.1:2002 is cited by Verification Method B1/VM1: Structure - General from 01/12/2008

• B1/VM1 (First edition, Amendment 19))

AS/NZS 1170.1:2002 is cited by Verification Method B1/VM1: Structure - General from 01/12/2008

B1/VM1 (First Edition, Amendment 18)

AS/NZS 1170.1:2002 is cited by Verification Method B1/VM1: Structure - General from 01/12/2008

• B1/VM4 (First edition, Amendment 10)

AS/NZS 1170.1:2002 is cited by Verification Method B1/VM4: Foundations from 01/12/2008

B1/VM4 (First edition, Amendment 14)

AS/NZS 1170.1:2002 is cited by Verification Method B1/VM4: Foundations from 01/12/2008

• B1/VM4 (First Edition, Amendment 18)

AS/NZS 1170.1:2002 is cited by Verification Method B1/VM4: Foundations from 01/12/2008

• B1/VM4 (First edition, Amendment 12)

AS/NZS 1170.1:2002 is cited by Verification Method B1/VM4: Foundations from 01/12/2008

• B1/VM4 (First edition, Amendment 19)

AS/NZS 1170.1:2002 is cited by Verification Method B1/VM4: Foundations from 01/12/2008

B1/VM4 (First edition, Amendment 16)

AS/NZS 1170.1:2002 is cited by Verification Method B1/VM4: Foundations from 01/12/2008

• B1/VM4 (First edition, Amendment 13)

AS/NZS 1170.1:2002 is cited by Verification Method B1/VM4: Foundations from 01/12/2008

• B1/VM4 (First Edition, Amendment 17)

AS/NZS 1170.1:2002 is cited by Verification Method B1/VM4: Foundations from 01/12/2008

B1/VM4 (First edition, Amendment 11)

AS/NZS 1170.1:2002 is cited by Verification Method B1/VM4: Foundations from 01/12/2008

• B1/VM4 (First edition, Amendment 15)

AS/NZS 1170.1:2002 is cited by Verification Method B1/VM4: Foundations from 01/12/2008

• AS 1657-2013

AS/NZS 1170.1:2002 is cited by AS 1657-2013 Fixed platforms, walkways, stairways and ladders - Design, construction and installation

AS 2050-2002

AS/NZS 1170.1:2002 is cited by AS 2050-2002 Installation of roof tiles

AS/NZS 1170.0:2002

AS/NZS 1170.1:2002 is cited by AS/NZS 1170.0:2002 Structural Design Actions - General principles

AS/NZS 2327:2017

AS/NZS 1170.1:2002 is cited by AS/NZS 2327:2017 Composite structures - Composite steel-concrete construction in buildings

AS/NZS 2890.1:2004

AS/NZS 1170.1:2002 is cited by AS/NZS 2890.1:2004 Parking facilities Part 1: Off-street parking

CCANZ CP 01:2014

AS/NZS 1170.1:2002 is cited by Code of Practice for Weathertight Concrete and Concrete Masonry Construction

• NASH Standard Part 1:2010

AS/NZS 1170.1:2002 is cited by NASH Standard - Residential and Low-Rise Steel Framing Part 1 2010 Design Criteria

NASH Standard Part 1:2016

AS/NZS 1170.1:2002 is cited by NASH Standard Part 1:2016 Design Criteria - Alternative Solution

NZS 1170.5:2004

AS/NZS 1170.1:2002 is cited by NZS 1170.5:2004 Structural Design Actions - Part 5: Earthquake design actions - New Zealand

NZS 3101.1&2:2006

AS/NZS 1170.1:2002 is cited by NZS 3101.1&2:2006 Concrete structures standard. The design of concrete structures

NZS 3106:2009

AS/NZS 1170.1:2002 is cited by NZS 3106:2009 Design of concrete structures for the storage of liquids

NZS 3404 Parts 1 and 2:1997

AS/NZS 1170.1:2002 is cited by NZS 3404 Parts 1 and 2:1997 Steel structures standard

NZS 3604:2011

AS/NZS 1170.1:2002 is cited by NZS 3604:2011 Timber-framed buildings

NZS 4211:2008

AS/NZS 1170.1:2002 is cited by NZS 4211:2008 Specification for performance of windows

NZS 4223.1:2008

AS/NZS 1170.1:2002 is cited by NZS 4223.1:2008 Code of practice for glazing in buildings - Glass selection and glazing

NZS 4223.3:2016

AS/NZS 1170.1:2002 is cited by NZS 4223.3:2016 Glazing in buildings - Human impact safety requirements

NZS 4223.4:2008

AS/NZS 1170.1:2002 is cited by NZS 4223.4:2008 Code of practice for glazing in buildings - Wind, dead, snow, and live actions

NZS 4229:2013

AS/NZS 1170.1:2002 is cited by NZS 4229:2013 Concrete masonry buildings not requiring specific engineering design

NZS 4230:2004

AS/NZS 1170.1:2002 is cited by NZS 4230:2004 Design of reinforced concrete masonry structures

• NZS 4251.1:2007

AS/NZS 1170.1:2002 is cited by NZS 4251.1:2007 Solid plastering - Cement plaster for walls, ceilings and soffits

• NZS 4541:2007

AS/NZS 1170.1:2002 is cited by NZS 4541:2007 Automatic fire sprinkler systems

• NZS 4541:2013

AS/NZS 1170.1:2002 is cited by NZS 4541:2013 Automatic fire sprinkler systems

Back

# AS/NZS 1170.1:2002 (R2016) Structural Design Actions - Permanent, imposed and other actions

Show what documents this resource is CITED BY

Show what documents this resource CITES

#### Description

This Standard provides design values of permanent, imposed and other actions to be used in the limit state design of structures and members. It is intended to be used in conjunction with AS/NZS 1170.0.

Other actions covered include liquid pressure, ground water, rain water ponding and earth pressure.

View on Information Provider website

AS/NZS 1170.1:2002 (R2016) Structural Design Actions - Permanent, imposed and other actions

### Description

This Standard provides design values of permanent, imposed and other actions to be used in the limit state design of structures and members. It is intended to be used in conjunction with AS/NZS 1170.0.

Other actions covered include liquid pressure, ground water, rain water ponding and earth pressure.

This resource cites:

# AS/NZS 1170.1:2002 (R2016) Structural Design Actions - Permanent, imposed and other actions

This document CITES:

#### **New Zealand Standards**

AS/NZS 1170.0:2002

AS/NZS 1170.1:2002 cites AS/NZS 1170.0:2002 Structural Design Actions - General principles

AS/NZS 1170.2:2002

AS/NZS 1170.1:2002 cites AS/NZS 1170.2:2002 Structural Design Actions - Wind Actions

AS/NZS 1418.9:1996

AS/NZS 1170.1:2002 cites AS/NZS 1418.9:1996 Cranes (including hoists and winches) - Part 9: Vehicle hoists

NZS 4332:1997

AS/NZS 1170.1:2002 cites NZS 4332:1997 Non-domestic passenger and goods lifts

#### **Australian Standards**

• AS 1735.10(INT)-1998

AS/NZS 1170.1:2002 cites AS 1735.10(INT)-1998 Lifts, escalators and moving walks - Part 10: Tests

• AS 1735.8-1986

AS/NZS 1170.1:2002 cites AS 1735.8-1986 Lifts, escalators and moving walks (known as the SAA Lift Code) - Part 8: Inclined lifts

AS 1418.1-2002

AS/NZS 1170.1:2002 cites AS 1418.1-2002 Cranes, hoists and winches - Part 1: General requirements

• AS 1418.12-1991 (R2016)

AS/NZS 1170.1:2002 cites AS 1418.12-1991 (R2016) Cranes (including hoists and winches) - Part 12: Crane collector systems

• AS 1418.13-1996

AS/NZS 1170.1:2002 cites AS 1418.13-1996 Cranes (including hoists and winches) - Part 13: Building maintenance units

• AS 1418.14-1996

AS/NZS 1170.1:2002 cites AS 1418.14-1996 Cranes (including hoists and winches) - Part 14: Requirements for cranes subject to arduous working conditions

• AS 1418.16-1997

AS/NZS 1170.1:2002 cites AS 1418.16-1997 Cranes (including hoists and winches) - Part 16: Mast climbing work platforms

AS 1418.17-1996 (R2016)

AS/NZS 1170.1:2002 cites AS 1418.17-1996 (R2016) Cranes (including hoists and winches) - Part 17: Design and construction of workboxes

### AS 1418.18-2001

AS/NZS 1170.1:2002 cites AS 1418.18-2001 Cranes, hoists and winches - Part 18: Crane runways and monorails

# • AS 1418.2-1997

AS/NZS 1170.1:2002 cites AS 1418.2-1997 Cranes (including hoists and winches) - Part 2: Serial hoists and winches

## AS 1418.3-1997 (R2016)

AS/NZS 1170.1:2002 cites AS 1418.3-1997 (R2016) Cranes (including hoists and winches) - Part 3: Bridge, gantry and portal cranes (including container cranes)

## • AS 1418.7-1999

AS/NZS 1170.1:2002 cites AS 1418.7-1999 Cranes (including hoists and winches) - Part 7: Builders hoists and associated equipment

### • AS 1657-1992

AS/NZS 1170.1:2002 cites AS 1657-1992 Fixed platforms, walkways, stairways and ladders - Design, construction and installation

### • AS 1720.2-1990

AS/NZS 1170.1:2002 cites AS 1720.2-1990 Timber structures - Part 2: Timber properties

#### AS 1735.1-2001

AS/NZS 1170.1:2002 cites AS 1735.1-2001 Lifts, escalators and moving walks - Part 1: General requirements

### AS 1735.11-1986

AS/NZS 1170.1:2002 cites AS 1735.11-1986 Lifts, escalators and moving walks (known as the SAA Lift Code) - Part 11: Fire-rated landing doors

# • AS 1735.12-1999

AS/NZS 1170.1:2002 cites AS 1735.12-1999 Lifts, escalators and moving walks - Part 12: Facilities for persons with disabilities

## AS 1735.14-1998

AS/NZS 1170.1:2002 cites AS 1735.14-1998 Lifts, escalators and moving walks - Part 14: Low-rise platforms for passengers

#### • AS 1735.15-2002

AS/NZS 1170.1:2002 cites AS 1735.15-2002 Lifts, escalators and moving walks - Part 15: Low rise passenger lifts - Non-automatically controlled

# • AS 1735.16-1993

AS/NZS 1170.1:2002 cites AS 1735.16-1993 Lifts, escalators and moving walks Part 16: Lifts for persons with limited mobility - Restricted use - Automatically controlled

# • AS 1735.17-1995

AS/NZS 1170.1:2002 cites AS 1735.17-1995 Lifts, escalators and moving walks - Part 17: Lifts for people with limited mobility - Restricted use - Water-drive

#### • AS 1735.2-2001

AS/NZS 1170.1:2002 cites AS 1735.2-2001 Lifts, escalators and moving walks Passenger and goods lifts - Part 2: Electric

## AS 1735.3-2002

AS/NZS 1170.1:2002 cites AS 1735.3-2002 Lifts, escalators and moving walks Passenger and goods lifts - Part 3:

Electrohydraulic

• AS 1735.4-1986/Amdt 2-2000

AS/NZS 1170.1:2002 cites AS 1735.4-1986 Lifts, escalators and moving walks (known as the SAA Lift Code) - Part 4: Service lifts - Power-operated

AS 1735.6(Int)-1996

AS/NZS 1170.1:2002 cites AS 1735.6(Int)-1996 Lifts, escalators and moving walks - Part 6: Moving walks

AS 1735.7-1998

AS/NZS 1170.1:2002 cites AS 1735.7-1998 Lifts, escalators and moving walks - Part 7: Stairway lifts

• AS 1735.9-1994

AS/NZS 1170.1:2002 cites AS 1735.9-1994 Lifts, escalators and moving walks - Part 9: Special purpose industrial lifts

• AS 2156.1-2001

AS/NZS 1170.1:2002 cites AS 2156.1-2001 (R2018) Walking tracks - Part 1: Classification and signage

AS/NZS 1735.18:2002

AS/NZS 1170.1:2002 cites AS/NZS 1735.18:2002 Lifts, escalators and moving walks - Part 18: Passenger lifts for private residence - Automatically controlled



**Table of Contents** 

- 1 Scope And General
- 1.1 Scope
- 1.2 Application
- 1.3 Determination Of Design Actions
- 1.4 Referenced Documents
- 1.5 Definitions
- 1.6 Notation
- 2 Permanent Actions
- 2.1 General
- 2.2 Calculation Of Self-Weight
- 2.3 Provision For Partitions
- 2.4 Removable Items
- 3 Imposed Actions

- Contact us
- Privacy policy
- DisclaimerCopyright

<u>Feedback</u>