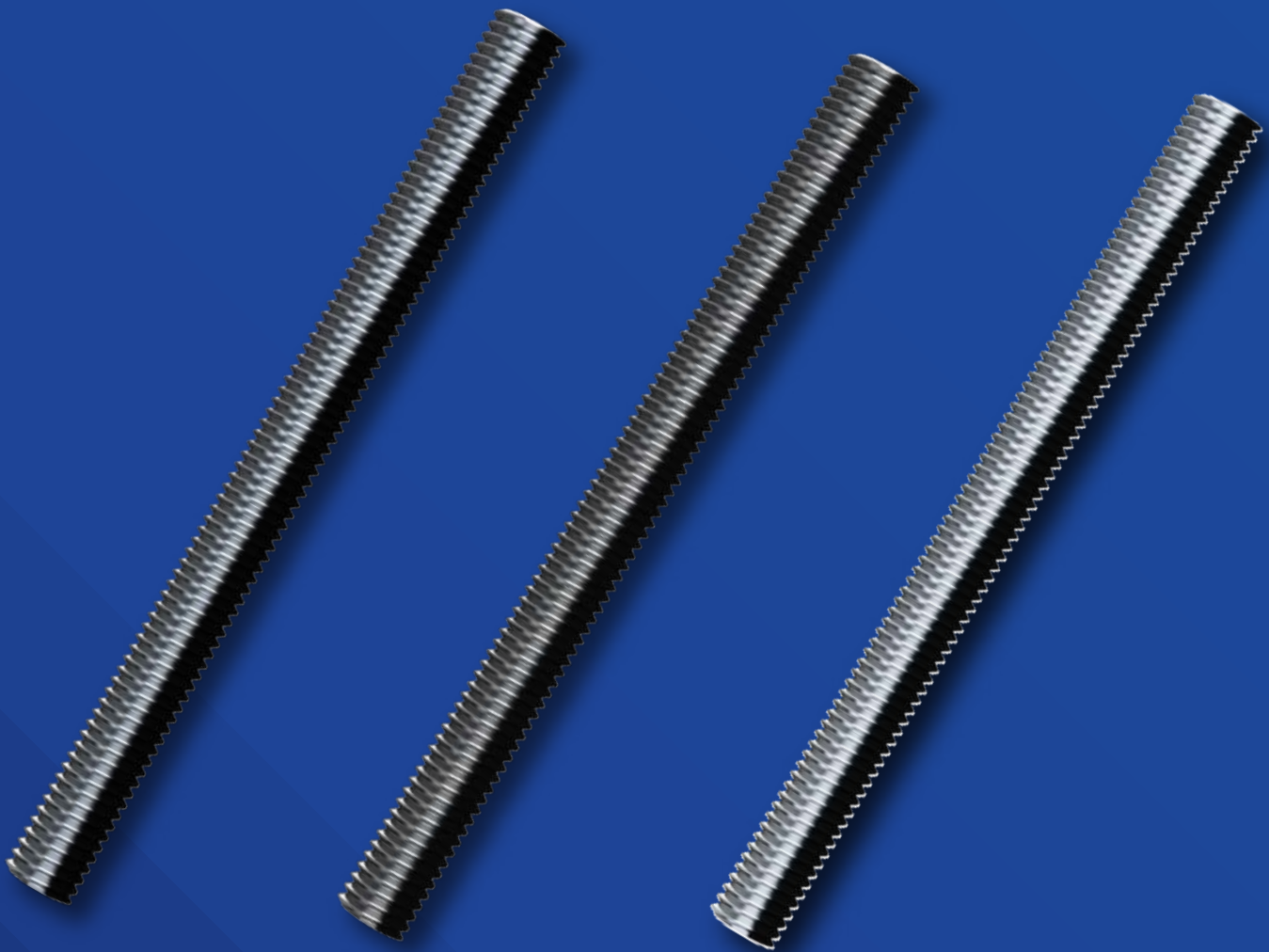


Build it better with
BREMICK[®]

THREADED ROD

BUILDING PRODUCT
INFORMATION
SHEET



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1.1 Product class

Class 1: Batch or mass-produced products ¹

1.2 Product name

Product Category - Bremick Threaded Rod

1.3 Product description and its intended use

Threaded rod for interior and exterior use in all NZS 3604 Exposure Zones and Environments, subject to type, size and material selection.

1.4 Product identifier (if applicable)

Refer to Appendix for unique product listing

1.5 Place manufactured (New Zealand or overseas)

Manufactured overseas to strict Bremick specifications.

1.6 Relevant Building Code clauses

B1 Structure	Performance clauses B1.3.1, B1.3.2, B1.3.3 and B1.3.4
B2 Durability	Performance clauses B2.3.1 a) and B2.3.1 b)
C3 Fire Affecting Area Beyond the Source	Performance clause C3.7 a)
C6 Structural Stability	Performance clause C6.2
F2 Hazardous Building Materials	Performance clause F2.3.1

1.7 Statement of how the building product is expected to contribute to compliance

B1 Structure - B1.3.1, B1.3.2, B1.3.3 and B1.3.4

- *Fixings/fasteners contribute to the structural integrity of building elements. Compliance demonstrated through design to NZS 3604, NZS 3101 and Specific Engineered Design.*

Compliance Pathway

Buildings up to 3 storeys ≤10m in height

Compliance demonstrated through design to NZS 3604 and NZS 3101 (threaded rod as cast-in anchors).

Buildings >10m in height

To NZS 3101 and Specific Engineered Design.

B2 Durability

- *B2.3.1 a) 50 years - where used to fix structural or difficult to replace elements*
- *B2.3.1 b) 15 years - where used to fix non-structural or moderately difficult to replace building elements*

304 Stainless steel, 316 Stainless steel and Hot-dipped galvanised Threaded rod (to AS 1214 and AS/NZS 4680) achieve 15 and 50 year durability, subject to Exposure Zone and Environment. Other finishes suitable for interior use only with the exception of corrosive internal environments.

Compliance Pathway

Buildings up to 3 storeys ≤10m in height

Compliance demonstrated through material selection to NZS 3604:

- Table 4.1 - Protection required for steel fixings and fastenings excluding nails and screws
- Table 4.2 - Galvanising of steel components other than nails and screws

Galvanising to:

AS 1214 - Hot-dip galvanised coatings on threaded fasteners (ISO metric coarse thread series)

AS/NZS 4680 - Hot-dip galvanised (zinc) coatings on fabricated ferrous articles

600g/m² average

Type 304 stainless steel is sufficient to comply with NZBC requirements, but may have surface rust. 316 Stainless steel exceeds the requirements of the NZBC.

NZS 3101 (threaded rod as cast-in anchors):

Galvanising to:

AS 1214 - Hot-dip galvanised coatings on threaded fasteners (ISO metric coarse thread series)

Buildings >10m in height

NZS 3101 and Specific Engineered Design.

C3 Fire Affecting Area Beyond the Source - C3.7 a)

- *Threaded rod manufactured from non-combustible materials, as defined in NZBC C/AS2.*

Compliance Pathway

NZBC C/AS2:

External wall cladding systems for multi-level buildings with a building height ≥ 25 m

5.8.4 The entire external wall cladding system shall be:

*a) **Non-combustible** or limited combustible materials*

Non-combustible is defined in NZBC C/AS2 as:

Material either -

a) composed entirely of glass, concrete, steel, brick/block, ceramic tile, or aluminium; or

b) classified as non-combustible when tested to AS 1530.1; or

c) classified as A1 in accordance with BS EN 13501-1.

C6 Structural Stability - C6.2

- *Threaded rod manufactured from non-combustible materials, as defined in NZBC C/AS2.*

Compliance Pathway

Fixings/fasteners contribute to the structural integrity of building elements/structural systems.

Buildings up to 3 storeys ≤ 10 m in height

Compliance demonstrated through design to NZS 3604 and NZS 3101.

Buildings > 10 m in height

NZS 3101 and Specific Engineered Design.

F2 Hazardous Building Materials - F2.3.1

- *Threaded rod manufactured from non-toxic / safe to handle materials.*

1.8 Limitations on the use of the building product

- For interior and exterior use in all NZS 3604 Exposure Zones and environment subject to material selection.

1.9 Design requirements that would support the appropriate use of the building product

- Buildings designed to NZS 3604 Timber-framed buildings or Specific Engineered Design.

1.10 Installation requirements

1. Insert threaded rod through fixture hole
2. Apply nuts to either end of the threaded rod and using an appropriate sized socket or wrench rotate the nut until sufficient clamping force is obtained or specified torque achieved. DO NOT OVER TIGHTEN
3. For additional connection strength use a washer between the material and the nut

1.11 Maintenance requirements

- Stainless steel - Periodic cleaning in accordance with Bremick guidance.
- Periodically inspect the fastener for corrosion.

1.12 Building Act 2004 section 26 compliance

Is the building product/building product line subject to warning or ban under [section 26 of the Building Act 2004](#)?

No

THREADED ROD

Product codes

BREMICK®

THREADED ROD BSW ZNC
RTRWZ120032
THREADED ROD G8.8 GAL
R88MG121002
R88MG121006
R88MG161002
R88MG161006
R88MG201002
R88MG201006
R88MG241002
R88MG301002
THREADED ROD G8.8 PLAIN
R88MP121002
R88MP161002
R88MP201002
R88MP241002
R88MP301002
THREADED ROD ISO ZINC/GAL
RTRMG081006
RTRMG101002
RTRMG101006
RTRMG101806
RTRMG121002
RTRMG121006
RTRMG121806
RTRMG123002
RTRMG161002
RTRMG161006
RTRMG161806
RTRMG201002
RTRMG201006
RTRMG241002
RTRMG301002
RTRMZ051002
RTRMZ061002

RTRMZ061006
RTRMZ081002
RTRMZ081006
RTRMZ101002
RTRMZ101006
RTRMZ101806
RTRMZ121002
RTRMZ121006
RTRMZ121806
RTRMZ161002
RTRMZ161006
RTRMZ201002
RTRMZ241002
RTRMZ301002
THREADED ROD SS304/316
RTRC6080002
RTRM4050002
RTRM4060002
RTRM4080002
RTRM4100002
RTRM4120002
RTRM4120006
RTRM4160002
RTRM4160006
RTRM4200002
RTRM4240002
RTRM6030002
RTRM6040002
RTRM6060002
RTRM6060006
RTRM6080002
RTRM6080006
RTRM6100002
RTRM6100006
RTRM6120002
RTRM6120006
RTRM6121806

RTRM6160002
RTRM6160006
RTRM6200002
RTRM6200006
RTRM6240002



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