

ZINC PLATED BOLTS & NUTS

HEXAGONAL HEAD BOLTS & NUTS

BPIR Declaration

Version: 1

Designated building product: Class 1

Declaration

ITW New Zealand Ltd. has provided this declaration to satisfy the provisions of Schedule 1(d) of the Building (Building Product Information Requirements) Regulations 2022.

Product/system

Name	Zinc Plated Bolts & Nuts
Line	Hexagonal Head Bolts & Nuts
Identifier	BBH12120, BBH12160, BTB0025, BTB0040, BTB0050, BTB0065, BTB0075, BTB0090, BTB0100, BTC0020, BTC0025, BTC0030, BTC0040, BTC0050, BTC0065, BTC0075, BTC0090, BTC0100, BTC0140, BTC0150, BTC0180, BTC0200, BTC0220, BTC0240, BTD0030, BTD0035, BTD0040, BTD0050, BTD0065, BTD0075, BTD0100, BTD0110, BTD0120, BTD0130, BTD0140, BTD0150, BTD0160, BTD0180, BTD0200, BTD0220, BTD0240, BTD0260, BTE0075, BTE0150, BTE0160, BTE0200, BTE0220, BTE0250, BTE0280, BTE0300, BTF0200, BTF0260

Description

ZENITH® Zinc Plated Steel Hexagonal Head Bolts & Nuts is suitable for general purpose fastening timber to timber or metal to timber. Zinc Plated finish provides moderate corrosion protection suitable only for use in low-moisture internal environments.

Scope of use

For fastening timber to timber or metal to timber materials.

Highly versatile product; they can be used in confined spaces and commonly used in structural applications such as shelving, stairs, garage work benches, wall mounted/floating furniture, indoor furniture assembly and more.

Suitable for internal applications only.

Conditions of use

For use in low-moisture internal environments.

Relevant building code clauses

B1 Structure - B1.3.1, B1.3.2, B1.3.3 (b, d, e, f, g, h, j, q), B1.3.4

B2 Durability - B2.3.1 (a)

F2 Hazardous building materials - F2.3.1

Contributions to compliance

AS 1111:1980

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Supporting documentation

The following additional documentation supports the above statements:

None added. For further information supporting Zinc Plated Bolts & Nuts claims refer to our website.

Contact details

Manufacture location	Overseas
Legal and trading name of manufacturer	ITW Construction Asia Pacific*
Legal and trading name of importer	ITW New Zealand Ltd.
Importer address for service	37-41 Poland Road Wairau Valley 0627
Importer website	www.zenithfasteners.co.nz
Importer NZBN	9429039833129
Importer email	consumerbpir@itwcap.com
Importer phone number	0800 277 577

*On the basis that ITW Construction Asia Pacific partakes in the process of manufacture, involving design, quality/safety testing, importing, packaging and supplying the product in New Zealand.

Appendix

BPIR Ready selections

Category: Fixings and fasteners

Building code performance clauses

B1 Structure

B1.3.1

Buildings, building elements and *sitework* shall have a low probability of rupturing, becoming unstable, losing equilibrium, or collapsing during *construction* or *alteration* and throughout their lives.

B1.3.2

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Buildings, building elements and *sitework* shall have a low probability of causing loss of amenity through undue deformation, vibratory response, degradation, or other physical characteristics throughout their lives, or during *construction* or *alteration* when the *building* is in use.

B1.3.3

Account shall be taken of all physical conditions likely to affect the stability of *buildings, building elements* and *sitework*, including:

- (b) imposed gravity loads arising from use
- (d) earth pressure
- (e) water and other liquids
- (f) earthquake
- (g) snow
- (h) wind
- (j) impact
- (q) time dependent effects including creep and shrinkage

B1.3.4

Due allowances shall be made for:

- a. the consequences of failure,
- b. the intended use of the *building*,
- c. effects of uncertainties resulting from *construction* activities, or the sequence in which *construction* activities occur,
- d. variation in the properties of materials and the characteristics of the site, and
- e. accuracy limitations inherent in the methods used to predict the stability of *buildings*

B2 Durability

B2.3.1

Building elements must, with only normal maintenance, continue to satisfy the performance requirements of this code for the lesser of the *specified intended life* of the *building*, if stated, or:

- (a) the life of the building, being not less than 50 years, if: those building elements (including floors, walls, and fixings) provide structural stability to the building, or those building elements are difficult to access or replace, or failure of those building elements to comply with the building code would go undetected during both normal use and maintenance of the building

F2 Hazardous building materials

F2.3.1

The quantities of gas, liquid, radiation or solid particles emitted by materials used in the construction of buildings, shall not give rise to harmful concentrations at the surface of the material where the material is exposed, or in the atmosphere of any space.

For further help and advice contact ITW Customer Service:

1300 721 738, NZ 0800 277 577

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