

# STAINLESS STEEL 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

<b>Name</b>	Stainless Steel Bolts & Nuts
<b>Line</b>	Hexagonal Head Bolts & Nuts
<b>Identifier</b>	NBTA0050S16,NBTA0060S16,NBTA0070S16,NBTA0080S16,NBTA0100S16,NBTB0050S16,NBTB0060S16,NBTB0070S16,NBTB0080S16,NBTB0100S16,NBTC0050S16,NBTC0060S16,NBTC0075S16,NBTC0100S16,NBTD0110S04,NBTD0110S16,NBTD0120S04,NBTD0120S16,NBTD0130S04,NBTD0130S16,NBTD0140S16,NBTD0150S04,NBTD0150S16,NBTD0160S04,NBTD0160S16,NBTD0180S04,NBTD0180S16,NBTD0200S04,NBTD0200S16,NBTD0220S04,NBTD0220S16,NBTD0240S04,NBTD0240S16,NBTD0250S04,NBTD0260S04,NBTD0260S16,NBTD0280S04,NBTD0280S16,NBTD0300S04,NBTD0300S16,NBTE0150S04

### Description

ZENITH® 316 Stainless Steel Hexagonal Head Bolts & Nuts are suitable for general purpose fastening timber to timber or metal to timber. 316 grade stainless steel provides ultimate corrosion resistance\* for internal and external use, including coastal applications.

\*Compared to 304 Stainless Steel and hot dipped galvanised steel.

### 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 gates, fences, roofing, pergolas, carports, outdoor furniture and more.

### Conditions of use

For Internal and external use.

### 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

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### Contributions to compliance

DIN 931

### Supporting documentation

The following additional documentation supports the above statements:

None added.

For further information supporting Hexagonal Head 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	<a href="http://www.zenithfasteners.co.nz">www.zenithfasteners.co.nz</a>
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.

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### B1.3.2

*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

[www.zenithfasteners.com.au](http://www.zenithfasteners.com.au) | [www.zenithfasteners.co.nz](http://www.zenithfasteners.co.nz)

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