



ORBITAL HIGH TENSILE NUTS

Product Name	Orbital High Tensile Nuts
Product Identifier	NUT (diameter) (type/grade) (finish) e.g. NUTM10H8Z

Product Description & Scope of Use

High-tensile nuts are threaded fasteners paired with bolts. The standard nut type is hexagonal. High tensile nuts are primarily used with bolts for heavy or high-stress fastening applications and can be used in applications that require a high level of clamping force. The dimensions and mechanical properties are based on international standards ISO4014-8.8/ISO4032-8 and AS2465 G8. Orbital offers a wide selection of sizes, types, and finishes suitable for both interior and exterior use.

Conditions of Use

The responsibility for choosing the correct size/diameter and finish of the product, as well as applying the appropriate torque during installation in accordance with the application's requirements, rests with the user.

Manufacturer Details

Procurement at Orbital involves sourcing products from a diverse range of manufacturers, including countries such as China, Taiwan, Australia, and a curated assortment of European nations. For specific details regarding the manufacturer pertinent to the LOT you intend to purchase, please reach out to our office for further information and clarification.

Importer Details

Legal and Trading Name	Orbital Fire Ltd
NZBN	9429051570705
Address for Service	20 Mansel Dr, Warkworth, Auckland 0910 New Zealand
Website	www.orbitalfire.co.nz
Email Address	sales@orbitalfire.co.nz.com
Phone Number	09 255 5575

Relevant Building Code Clauses

<p>“B1 Structure – B1.3.1, B1.3.2, B1.3.3 (b, d, e, f, g, h, j, q), B1.3.4”</p>	<p>Compliance with B1 Structure is contingent upon the design crafted by the designated professional, such as a consulting structural engineer or architect. Design data is accessible to these professionals to ensure compliance with the provisions stipulated in NZS 3101.1&2:2006 and NZS 3109:1997. Refer to the AS/NZ standard and installation requirements for further information.</p>
<p>“B2 Durability – B2.3.1 (a)”</p>	<p>The product is offered in multiple coating options or in stainless steel. Compliance with B2 Durability is contingent upon the selection of the most appropriate coating or material, in accordance with the specific application. This decision should be based on the required durability for the intended use, taking into consideration the environmental conditions in which the product will be situated. This should be made by the designer.</p>
<p>“F2 Hazardous building materials – F2.3.1”</p>	<p>These products are safe when handled and do not contain or emit harmful materials. There are no requirements for this product in order to comply with Acceptable Solution F2/AS1, First Edition Amendment 3, 2017.</p>

Warnings & Bans

Orbital can confirm that these products are not subject to a warning or ban under section 26 of the Building Act 2004.