

Building Product Information Sheet

Class 1

Product Name:

Sleeve Anchors - Eye Bolt

Date of Report:

30 / 10 / 2023

Product Line:

ICCONS Sleeve Anchors

Product Description and its intended use:

Sleeve anchor eye bolt is a medium duty pre-assembled torque controlled expansion fastener consisting of a threaded plow bolt and a pressed carbon steel sleeve designed to expand when cone is tightened locking the sleeve against the wall of the hole. Features an 8mm eyelet, ideal for various applications where a tie point is required in a base material of either concrete, solid brick or concrete block.

Key technical specifications:

- Product type: Sleeve Anchor
- Finish options: Carbon Steel Zinc Yellow
- Head options: 8mm Eyelet
- Material specifications: Part number: SAHB0843, 8.0 x 4.5mm.
- Drill diameter: 8.0mm.
- Minimum anchor embedment: 45mm.
- Eye/Hole Diameter: 8mm.

Product Identifier

ICCONS Sleeve Anchors

Place of Manufacture:

Overseas

Manufacturer:

ICCONS PTY LTD

Importer:

Sesto Fasteners Limited

Address: 5e Piermark Drive
Rosedale, Auckland
Postcode: 0632
Website: www.sestofasteners.co.nz
Email: orders@sestofasteners.co.nz
Phone: +64 94158564
NZBN: 9429041704103

Relevant Building Code Clauses:

- B1 Structure: Performance clauses B1.1, B1.2, B1.3.1, B1.3.2, B1.3.3, B1.3.4
- B2 Durability: Performance clauses B2.2
- F2 Hazardous Building Materials: Performance clause F2.3.1

Statement on how the building product is expected to contribute to compliance:

- B1 Structure: clauses B1.1, B1.2, B1.3.1, B1.3.2, B1.3.3, B1.3.4:

- Sleeve anchor eye bolt is a medium duty pre-assembled torque controlled expansion fastener consisting of a threaded plow bolt and a pressed carbon steel sleeve designed to expand when cone is tightened locking the sleeve against the wall of the hole. Features an 8mm eyelet, ideal for various applications where a tie point is required in a base material of either concrete, solid brick or concrete block.

- ICCONS Sleeve Anchors have been laboratory tested for recommended loads in tension and shear in 20 MPa, 32 MPa and 40 MPa concrete. Test results vary based on finish, anchor size and other values. Refer to document '1008.4 - Hex Head Sleeve Anchor TDS' for specific values based on part, available in the link below:

https://sestofasteners.co.nz/products/sleeve-anchor-hook-bolts?_pos=1&_sid=5cf55a6e8&_ss=r

- Design Conditions data regarding spacing reduction factors in tension and shear, and edge distance reduction factors in tension and shear is available. Refer to document '1008.4 - Hex Head Sleeve Anchor TDS' for specific values based on part, available in the link above.

- B2 Durability: Performance clauses B2.2

- ICCONS Eye Bolt Sleeve Anchors are available in Carbon Steel Zinc Yellow finish.

- Pre assembled for fast installation.

- Zinc plated countersunk finish: AISI1010. Plating: Electroplated zinc coating thickness 5 microns (min).

- F2 Hazardous Building Materials: Performance clause F2.3.1

- ICCONS Sleeve Anchors are safe when handled.

Limitations on the use of the building product:

- Excessive torque during installation may damage the anchor.

- Information contained in technical document '1008.4 - Hex Head Sleeve Anchor TDS' is based on testing by the manufacturer and should be reviewed and approved by a design professional responsible for the given application. For safety critical fastening applications designed in accordance with AS 5216:2021, please refer to the Iccons website for a complete suite of compliant post-installed chemical and mechanical anchoring products.

- Recommended Load data available in document '1008.4 - Hex Head Sleeve Anchor TDS' has been derived from laboratory test results using NATA calibrated equipment. The load capacities incorporate a safety factor of 3 for concrete and 2.5 for steel. All loads are representative of a single anchor remote from an edge.

- Note on design conditions data available in document '1008.4 - Hex Head Sleeve Anchor TDS': When anchor spacing or edge distances are less than critical distances, Recommended Working Load values must be multiplied by the appropriate reduction factors. Linear interpolation is allowed for intermediate anchor spacing and edge distances between critical and minimum distances. If an anchor/anchor group is affected by multiple reduced spacing and edge distances, the spacing and edge reduction factors must be multiplied together to give a total effect on the anchor / anchor group performance.

Design requirements that would support the use of the building product:

ICCONS Sleeve Anchors have been designed for use in the following applications:

- Ideal for applications that require a tiedown point.
- Suitable in concrete
- Stone
- Solid brick
- Concrete block

Features that support use:

- Pre-assembled for fast and simple installation
- 8mm eyelet for tiedown point
- Ideal for through fastening applications.

Installation requirements:

Installation steps:

1. With the correct diameter drill bit, drill a hole to the correct depth.
2. Clean dust and other material from the hole.
3. Insert anchor into position.
4. With an appropriate size bar, tighten anchor until secure.
5. Installation complete!

Maintenance requirements:

N/A. no ongoing maintenance required.

Is the building product subject to warning or ban under section 26?:

No

