SESTO FASTENERS

BPIR PRODUCT FORM

ICCONS® Serious Connections®

Building Product Information Sheet

Class 1

Product Name:

Drop-in Anchor (Non Lipped)

Date of Report:

31 / 10 / 2023

Product Line:

ICCONS Drop-In Anchor

Product Description and its intended use:

ICCONS standard drop-in anchors are a single piece internally threaded expansion anchor suitable for solid base material available in carbon steel zinc plated and 316 stainless steel. The anchor is set by displacement of the pre-assembled expander cone to enable full expansion of the anchor body.
*User must ensure the correct size of setting tool is used in conjunction with the correct size drop-in anchor. The internal thread is suitable for machined bolts or threaded rod.

Key technical specifications:
• Product type: Drop-in anchor
• Finish options: Standard Carbon Steel Zinc Yellow (Sizes M6-M20), Standard 316A4 Stainless Steel (Sizes M8-M16).
• Head options: Standard
• Thread options: Internal thread
• Load performance: Medium and Light duty loads
• Material specifications: Internal thread size, embedment depth and other values vary based on part. Refer to document 'Drop in Technical Information' for specific values per part:
https://sestofasteners.co.nz/products/drop-in-anchor-non-lipped?_pos=1&_sid=ef7fae4ea&_ss=r

Product Identifier

DM Drop In 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:
- ICCONS standard drop-in anchors are a single piece internally threaded expansion anchor suitable for solid base material available in carbon steel zinc plated and 316 stainless steel. The anchor is set by displacement of the pre-assembled expander cone to enable full expansion of the anchor body.
*User must ensure the correct size of setting tool is used in conjunction with the correct size drop-in anchor. The internal thread is suitable for machined bolts or threaded rod.
- ICCONS Drop-In Anchors have been tested for recommended load capacity in 20 MPa, 32MPa and 40MPa concrete. Refer to document 'Drop in Technical Information' (page 2) for tension and shear values for both zinc and 316 plated options, available in link below:
https://sestofasteners.co.nz/products/drop-in-anchor-non-lipped?_pos=1&_sid=ef7fae4ea&_ss=r

• B2 Durability: Performance clauses B2.2
- ICCONS Drop In Anchor (non-lipped) material specifications (Standard Yellow Zinc): Body: C1018 Carbon Steel. Cone: C1018 Carbon Steel. Thread: Metric. Plating: Yellow Zinc.
- ICCONS Drop In Anchor (non-lipped) material specifications (Standard Stainless Steel): Body: 316 A4 Stainless Steel. Cone: 316 A4 Stainless Steel. Thread: Metric.
- Pre-assembled Expander Cone expands anchor body when set with the setting tool.
- Cone Retainer Cap keeps expander cone in place during transit.

• F2 Hazardous Building Materials: Performance clause F2.3.1
- ICCONS Drop-In Anchors are safe when handled.

Limitations on the use of the building product:

- Information contained in the technical document (Drop in Technical Information) 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 SA TS 101:2015, please refer to the SESTO website for a complete suite of compliant post-installed chemical and mechanical anchoring products.
- Note for performance data contained in document 'Drop in Technical Information': The above information has been derived from laboratory test results using NATA calibrated equipment. The above load capacities incorporate a safety factor of 3 forconcreteand 2.5 for steel. All loads are representative of a single anchor remote from an edge. Limit State Design: Multiply the above loads by 1.8 to determine the Limit State Design capacities.
- The anchor must be set with the correct ICCONS setting tool. See product guide for full selection.

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

ICCONS Drop In Anchor (Lipped) are designed for use in the following applications:
- Suspension systems, pipes, air ducts, sprinkler systems, and other metric thread applications.

Features that support the use of the building product:
- Lip ensures flush setting regardless of hole depth.
- Enables the user to invisibly fix the partially countersunk anchors when dealing with temporary fixings.
- Suitable for cracked and non-cracked concrete as well as base materials with sufficiently high compression characteristics.
- Metric internal thread, suitable for bolts and threaded rods.
- Can be installed with ICCONS lipped drop-in anchor setting tool or SDS-Plus setting tool kit.

Installation requirements:

ICCONS Drop In Anchor 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 with internal thread facing up, tap in anchor until seated and flush with surface of base material.
4. With the correct setting tool strike with a heavy hammer until tool is seated with the top of the anchor.
5. Place fixture in position and insert machined bolt and tighten until firm (do not exceed recommended torque).
6. For threaded rod installations wind in rod until firm, do not over tighten.

Refer to page 2, document 'Drop in Technical Information' for illustrative installation guidelines, available in the link below:
https://sestofasteners.co.nz/products/drop-in-anchor-lipped?variant=37601632845993

Maintenance requirements:

N/A. no ongoing maintenance required.

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

No