SESTO FASTENERS

BPIR PRODUCT FORM

ICCONS® Serious Connections®

Building Product Information Sheet

Class 1

Product Name:

Strike Anchor - Tie Wire Ceiling Anchor

Date of Report:

14 / 09 / 2023

Product Line:

ICCONS Strike Anchor

Product Description and its intended use:

Tie Wire Head Strike Anchors (aka the proprietary name Spike Anchor) is a single piece, tie-wire, hammer in anchor for use in solid base materials such as concrete, brick, block, stone and other masonry. The S shaped kink in the Strike Anchor generates expansion forces once the anchor has been hammered into the pre-drilled hole. This anchor is a fast and economical way provide a tie-wire eyelet point in solid base materials. Strike Anchors are manufactured pre-expanded and simply require setting with a hammer, without the need for secondary tightening for installation, making it a common choice for fast installation applications. The tie-wire head is perfect for suspending ceilings, attaching cable ties, support wires and ducting systems.

Key technical specifications:
- Product type: Strike Anchor
- Finish options: Zinc
- Head: Tie Wire Head
- Material: Class 10.9 Carbon Steel
- Dimensions, drill depth and other details vary per size. Refer to document 'Strike Anchor Technical Data' for specific values per part, available in the link below:
https://sestofasteners.co.nz/products/strike-anchor-tie-wire?_pos=4&_sid=2a9bae7fe&_ss=r

Product Identifier

Strike Anchor - Tie Wire Ceiling Anchor

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
• 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: Performance clause B1.1
- Suitable for solid base materials such as concrete, block (core filled), solid brick, or stone, this unique style anchor creates compressive forces against the wall of the hole as it is driven in, this is achieved by the proprietary pre-expanded bend at the working end. The anchor is set by striking with a hammer until flush with the fixture material.
- The Tie Wire Strike anchor is the ideal choice for suspension of electrical cabling catenary wire, suspended ceilings and signage.
- ICCONS Strike Anchors have been laboratory tested for recommended loads in concrete and solid brick. The values for recommended loads in solid brick are for mushroom and countersunk head styles only and incorporate a safety value of 4. Tension and shear values, design load capacity, spacing and edge distance varies based on anchor finish and size, refer to document 'ICCONS Strike Anchor Catalogue' and 'Strike Anchor Technical Data' available in the link below for testing data per part:
https://sestofasteners.co.nz/products/strike-anchor-tie-wire?_pos=4&_sid=9a307ccb1&_ss=r

• B2 Durability: Performance clauses
- ICCONS Tie Wire Ceiling Anchor has an electroplated zinc coating with minimum thickness 5 microns. Anchor body is class 10.9 Carbon Steel.

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

Limitations on the use of the building product:

- ICCONS Tie Wire strike anchors are available in sizes 5.0 mm and 6.0 mm. Drill diameter, minimum anchor embedment (mm) and eye / hole diameter (mm) varies based on part. Refer to document 'ICCONS Strike Anchor Catalogue' (page 1) for these values, available in the link below:
https://sestofasteners.co.nz/products/strike-anchor-tie-wire?_pos=4&_sid=9a307ccb1&_ss=r
- ICCONS Strike Anchors have been laboratory tested for recommended loads in concrete and solid brick. The values for recommended loads in solid brick are for mushroom and countersunk head styles only and incorporate a safety value of 4. Tension and shear values, design load capacity, spacing and edge distance varies based on anchor finish and size, refer to document 'ICCONS Strike Anchor Catalogue' and 'Strike Anchor Technical Data' available in the link below for testing data per part:
https://sestofasteners.co.nz/products/strike-anchor-tie-wire?_pos=4&_sid=9a307ccb1&_ss=r
- Recommended loads in concrete data has been derived from laboratory test results using NATA calibrated equipment. Load capacities incorporate a safety factor of 3 for concrete and are representative of a single anchor remote from an edge.
- As masonry may vary greatly, the above data should be used as guidance only and site tests are recommended where site specific performance is required. Brick strength is based on unconfined characteristic compressive strength.
- Base material thickness should be 1.5 x hembed. or a minimum of 75mm, always use the greater of the two values.

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

• ICCONS Tie Wire strike anchors have been designed for use in the following applications:
- Fast installation applications
- Concrete, brick, block, stone and other masonry base materials
- Suspending ceilings
- Attaching cable ties
- Support wires
- Ducting systems
• Features that support use:
- Available in electroplated class 10.9 carbon steel zinc (plating thickness 5 microns minimum)
- Tamper-proof
- Pre-expanded design
- Simple hammer-in installation
- Time efficient installation
Refer to document 'ICCONS Strike Anchor Catalogue' available in the link below for full design specifications:
https://sestofasteners.co.nz/products/strike-anchor-tie-wire?_pos=4&_sid=9a307ccb1&_ss=r

Installation requirements:

Refer to documents 'ICCONS Strike Anchor Catalogue' and 'Strike Anchor Technical Data' for installation requirements and limit state design data, available in the link below.

- https://sestofasteners.co.nz/products/strike-anchor-tie-wire?_pos=4&_sid=9a307ccb1&_ss=r

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. Tap in anchor until seated and flush with surface of fixture.
4. Installation complete!

• Training, expertise and good judgment is required. Always adhere to anchor installation max. impact torque tool settings.
• Use the correct diameter drill bit.
• DO NOT use a worn drill bit outside tolerance specification.
• Ensure the hole is drilled perpendicular to the concrete, with a maximum deviation up to 5 degrees. Failure to do so may cause anchor breakage.
• Clean dust and other materials from the hole. Use ICCONS Blow Pump for a perfect result.

Maintenance requirements:

N/A, no on-going maintenance required.

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

No