

Building Product Information Sheet

Class 1

Product Name:

Hangerz for Steel

Date of Report:

27 / 09 / 2023

Product Line:ICCONS Hangerz[®] Range**Product Description and its intended use:**

ICCONS Hangerz[®] for Steel are a one-piece, high tensile self drilling fastening system suitable for installation into steel substrates. Hangerz[®] are ideal for suspending threaded rod vertically (side mount also available) overhead for applications such as AC ducting, hanging pipe, fire protection, and cable-tray applications. Hangerz[®] are available to suit M10 threaded rod diameters for vertically or horizontally suspended applications and are best installed with cordless impact drivers.

Key technical specifications:

- Product type: Single piece, high tensile self drilling fastening system for threaded rod
- Finish options: Zinc plated
- Thread options: Internal thread
- Base material: Steel
- Special features: Removable
- Load performance: Light loads
- Material specifications: dimensions vary per part. Refer to document 'Hangerz Technical Information' for specific values per part, available in the link below:

https://sestofasteners.co.nz/products/chemselect-cis-threaded-inserts?_pos=1&_sid=0bab8d314&_ss=r

Product Identifier

ICCONS HZS Hangerz

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
- C2 Prevention of Fire: Performance clause C2.1
- 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 Hangerz for Steel have been tested for characteristic ultimate loads. Tension and shear values are available for characteristic load capacity (kN) in Steel, and in Steel (without Nut). Load Capacity data varies based on part, and the dimensions of Steel Purlin used. Refer to page 3, document 'Hangerz Technical Information' for specific values per part, available in the link below:
https://sestofasteners.co.nz/products/hangerz-for-steel?_pos=1&_sid=ca3a02036&_ss=r
 - Self-tapping design allows a faster install than traditional beam clamp anchor solutions.
- B2 Durability: Performance clauses B2.2
 - ICCONS Hangerz for Steel are a one-piece, high tensile self-drilling fastening system suitable for installation into steel substrates. Hangerz are ideal for suspending threaded rod vertically overhead for applications such as AC ducting, hanging pipe, fire protection, and cable-tray applications.
 - Hangerz® are available to suit M10 threaded rod diameters for vertically suspended applications and are best installed with cordless impact drivers.
 - Available in zinc clear finish.
 - Material: high tensile steel.
 - Designed for light duty load performance.
- C2 Prevention of Fire: Performance clause C2.1
 - Suitable for fire protection applications requiring safety critical threaded rod suspension such as securing sprinkler piping.
- F2 Hazardous Building Materials: Performance clause F2.3.1
 - ICCONS Hangerz are safe when handled.

Limitations on the use of the building product:

- ICCONS Hangerz for Steel are designed for use with steel substrates only. Refer to Sesto Fasteners catalogue (Hangerz for Timber) for ICCONS Hangerz designed for use with timber substrates.
- Suitable for use with M10 threaded rod diameters only.
- Load performance: light loads.
- Tension and shear performance values provided in page 3 of the document 'Hangerz Technical Information' are limited by base material. Characteristic Ultimate Loads should be reduced by an appropriate safety factor to determine either an allowable load or design load. Please refer to design engineer responsible for the application for guidance. Extreme care is recommended when using an impact driver to ensure you don't over-tighten the anchor. An impact driver with max. torque 250 Nm is recommended to assist this.

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

ICCONS Hangerz for Steel are designed for use in the following applications:

- Suspending threaded rod
- Suspending conduit
- HVAC ductwork and strut channels
- AC ducting
- Hanging pipe
- Fire protection
- Cable tray applications
- Suitable for steel substrates

Features that support use of the building product:

- Suitable for M10 threaded rod
 - Vertical or side mount M10 threaded variants
 - Faster install than traditional beam clamp anchor solutions
 - Single piece, high tensile self tapping fastener for threaded rod.
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Installation requirements:

ICCONS Hangerz for Steel vertical anchor installation steps:

1. Attach the Hangerz to the correct size socket driver and install anchor perpendicular to the base material substrate. To avoid over tightening it is recommended you use the HZSM100 Driver.
2. Extreme care is recommended when using an impact driver to ensure you don't over-tighten the anchor. An impact driver with max torque 250 Nm is recommended to assist this.
3. The head of the anchor should be flush with the base material.
4. Install the threaded rod. The threaded rod should be fully installed into the Hangerz anchor.
5. For fail safe reliability, use of the supplied optional backing nut should be used.
6. Installation complete!

Steel Hangerz side anchor installation steps:

1. Attach the Hangerz to the correct size socket driver and install anchor perpendicular to the base material substrate. To avoid over tightening it is recommended you use the HZSM100 Driver.
2. Extreme care is recommended when using an impact driver to ensure you don't over-tighten the anchor. An impact driver with max torque 250 Nm is recommended to assist this.
3. The head of the anchor should be set flush with the base material.
4. Install the threaded rod. The thread should fully pass through the Hangerz anchor.
5. For fail safe reliability, use of the supplied optional backing nut should be used.
6. Installation complete!

Different installation steps apply to Hangerz products designed for different substrates. Refer to document 'Hangerz Technical Information' (page 4) for an illustrated guide for each Hangerz type, available in the link below:

https://sestofasteners.co.nz/products/hangerz-for-steel?_pos=1&_sid=ca3a02036&_ss=r

Maintenance requirements:

N/A, no on-going maintenance required.

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

No

