

Using Fasteners with Connectors

Connector Fastening Identification



Round Holes

Purpose: to fasten a connector.
Fill Requirements: always fill, unless noted otherwise.



Obround Holes

Purpose: to make fastening a connector in a tight location easier.
Fill Requirements: always fill.



Hexagonal Holes

Purpose: to fasten a connector to concrete or masonry.
Fill Requirements: always fill when fastening a connector to concrete or masonry.



Triangular Holes

Purpose: to increase a connector's strength or to achieve Max strength.
Fill Requirements: when the Designer specifies Max nailing.



Diamond Holes

Purpose: to temporarily fasten a connector to make installing it easier.
Fill Requirements: none.



Pilot Holes

Tooling holes for manufacturing purposes. No fasteners required.



Speed Prongs

Used to temporarily position and secure the connector for easier and faster installation.



Positive Angle Nailing (PAN)

Provided when timber splitting may occur, and to speed installation.



Dome Nailing

This feature guides the nail into the joist and header at a 45° angle.



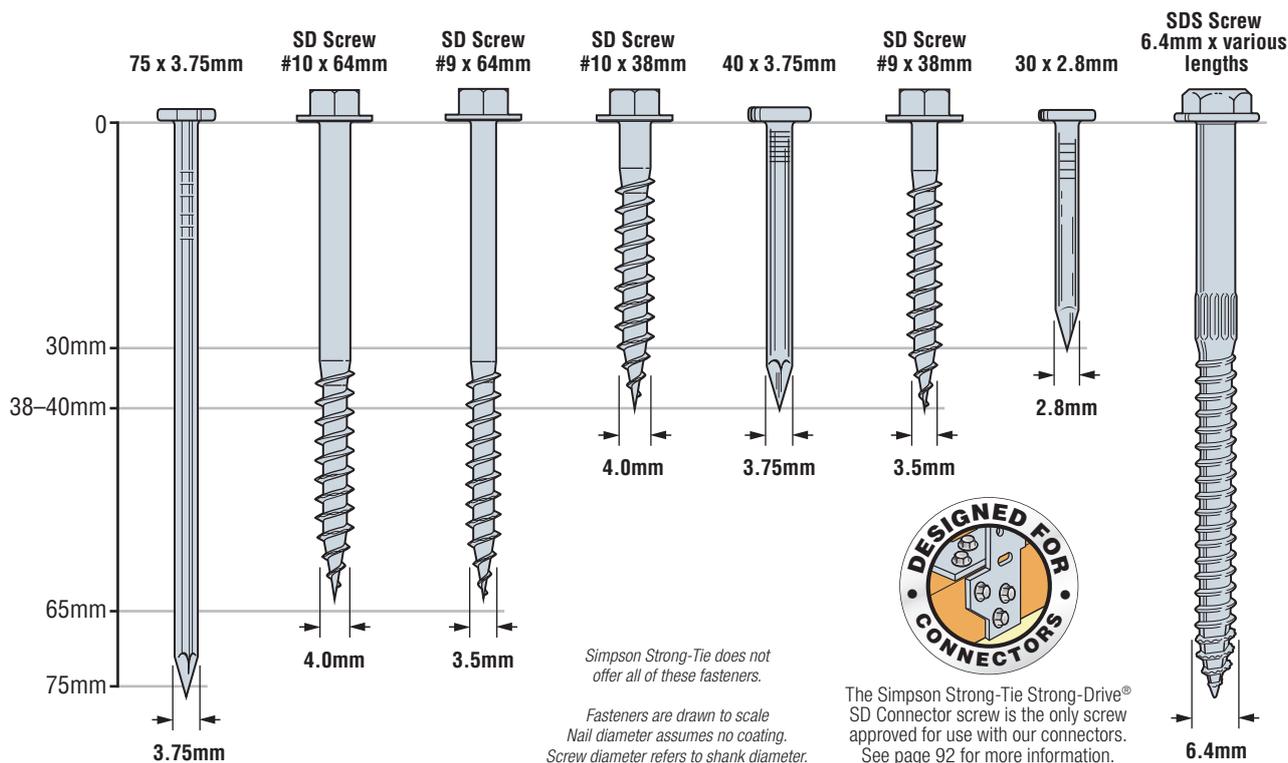
IUSE Strong-Grip™

The Strong-Grip™ seat allows the I-joist to "snap" in securely without the need for joist nails.

Fastener Types

Fastener Types and Sizes Specified for Simpson Strong-Tie® Connectors

Many Simpson Strong-Tie connectors have been designed and tested for use with specific types and sizes of fasteners. The specified quantity, type and size of fastener must be installed in the correct holes on the connector to achieve published loads. Other factors such as fastener material and finish are also important. Incorrect fastener selection or installation can compromise connector performance and could lead to failure.



Simpson Strong-Tie® Connector Nails

Simpson Strong-Tie nails and structural fasteners have been developed as the optimum fasteners for connector products. Special lengths afford economy of purchase and installation, and depth compatibility with framing members.

Retail Packaging

Model No.	Dimensions	Finish
N10DHDG	40mm x 3.75mm	HDG
SSNA10D		SS

1. HDG = hot-dip galvanised; SS = stainless steel.
2. For pneumatic fastener info, request additional technical information.
3. Use HDG nails with ZMAX® and HDG products.
4. HDG nails sold by Simpson Strong-Tie meet the specifications of ASTM A153. Stainless-steel nails are type 316 stainless.
5. Approximately 120 nails per retail tub.



Retail Tub