

SDWS – STUD Screw

Features & Benefits

- 6-lobe, T-40 drive eliminates cam outs, for easier installations and longer bit life – bit(s) included
- Head stamped for easy identification of length and diameter, for building certification
- Large Washer Head provides superior clamping, while nibs offer greater control for the installer when seating the head
- Bold Threads design provides superior holding power, even into the end grain of timber
- Patented SawTooth™ Point for faster starts, less torque and no pre-drilling

Application

- Outdoor Structures
- Deck Frames and Ledgers
- Landscaping
- Structural Timber Framing – It replaces strapping, which means, no interference with wall cladding

Material: Carbon Steel

Finish: Double Barrier Coating
(Suitable for interior, treated timber and external applications)

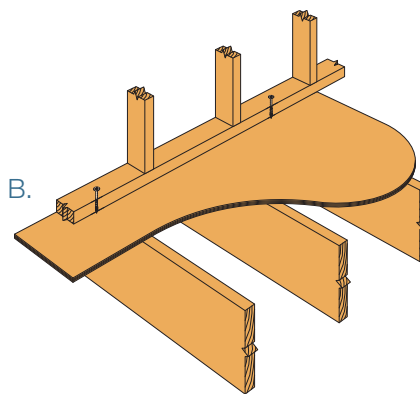
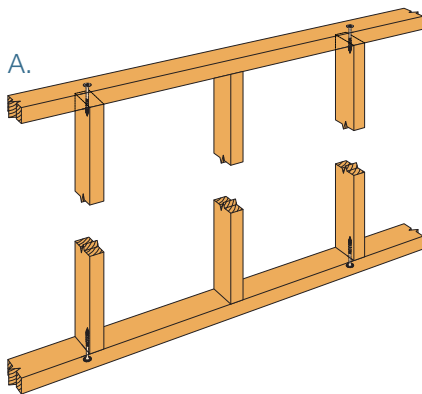
Size: See table below

SDWS STUD Technical Data

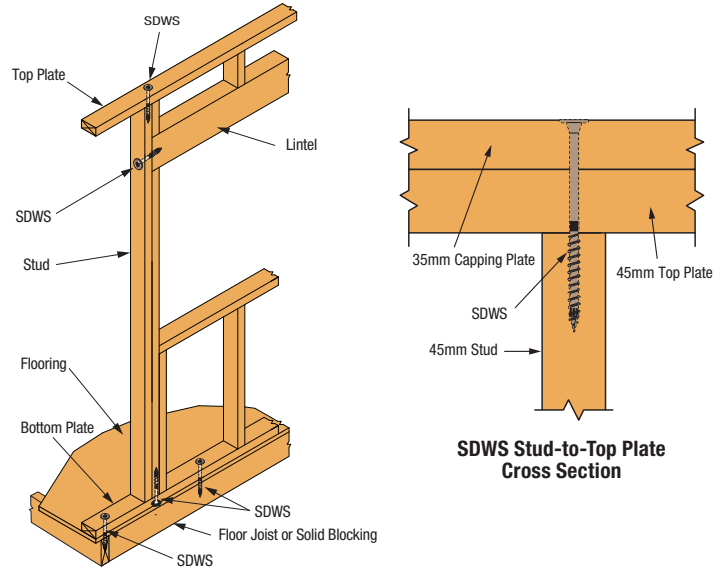
A. Wall Plate-to-Stud Tie Down

Model	Screw Length (mm)	Wall Plate Thickness (mm)	Uplift Design Capacity (kN)		
			JD4	JD5	JD6
SDWS22400DBSTUDR50	102	35	3.5	2.8	2.2
		45	3.3	2.6	2.0
		70	1.9	1.5	1.1
SDWS22500DBSTUDR50	127	35	6.5	4.6	3.6
		45			
		70	5.3	3.8	2.9
		80	4.4	3.1	2.4
		90	3.5	2.5	1.8
SDWS22600DBSTUDR50	152	35	6.5	4.6	3.6
		45			
		70			
		80	5.8	4.1	3.2
		90			

1. Refer to AS1684.2 or AS1684.3 Table 9.19 for typical comparison Tie-Down Connections.



Construction Details



SDWS Stud-to-Top Plate Cross Section

SDWS Top/Bottom Plate-to-Stud Stud-to-Lintel Bottom Plate-to-Joist Connection

Corrosion Resistance Level
MEDIUM



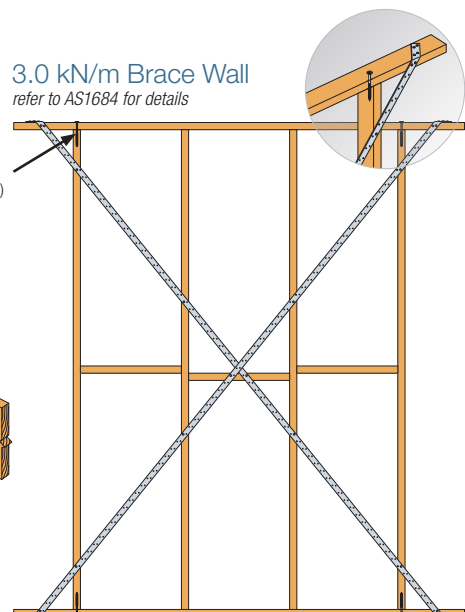
B. Bottom Plate-to-Joist Tie Down

Model	Screw Length (mm)	Wall Plate Thickness (mm)	Uplift Design Capacity (kN)		
			JD4	JD5	JD6
SDWS22400DBSTUDR50	102	35	4.6	3.7	2.9
		45	3.6	2.9	2.3
SDWS22500DBSTUDR50	127	35	8.0	5.5	4.3
		45	7.2	5.0	3.9

1. Refer to AS1684.2 or AS1684.3 Table 9.18 for typical comparison Tie-Down Connections.
2. Uplift capacity allows for 19 mm flooring under bottom plate.

3.0 kN/m Brace Wall
refer to AS1684 for details

SDWS Stud Screw (127mm min. length)



Generic Footnote: For Australia, the Capacity Factor (ϕ) is 0.85 for nails and screws for structural joints in a Category 1 application. Reduce tabulated values where other Category applications govern.