

Strong-Drive® SDWF Floor-to-Floor Screw

SIMPSON
Strong-Tie®



Provides a strong connection between upper and lower walls.

The Simpson Strong-Tie® Strong-Drive® SDWF Floor-to-Floor screw is designed to simplify the floor-to-floor, wind-uplift restraint connection while providing superior performance over the life of the structure. The unique design of the SDWF enables it to attach upper and lower walls together from the top, spanning the floor system and providing an easy-to-install connection within the continuous uplift load path of the structure.

The innovative TUW take-up washer plays a key role in the long-term performance of the SDWF when installed between the screw head and the sole plate of the upper floor. As the structure settles because of shrinkage and construction loading, the threaded portion under the head of the screw ratchets up through the tabs of the TUW, which is fastened with Simpson Strong-Tie Strong-Drive SD Connector screws. The interlock between the tabs of the take-up washer and the threads under the head of the SDWF prevent the screw from sliding back under load, providing a simple yet reliable means of shrinkage compensation for up to 19mm per story.

Features

- Faster to install than other floor-to-floor connection methods — drive the screw, install the take-up washer and the connection is made from plate to plate
- Shrinkage compensation ensures a tight connection — even after initial shrinkage and settlement occur
- Installs from inside the structure, eliminating exterior work on the upper stories and enhancing job safety
- Fastening can be done before or after exterior sheathing is applied for added flexibility
- One screw length can be used for multiple floor depths (refer to chart to select appropriate screw size), reducing the need for many screw lengths
- The SDWF kit includes all required installation hardware

MATERIAL:

SDWF — Carbon steel

TUW — 3.5mm Carbon steel

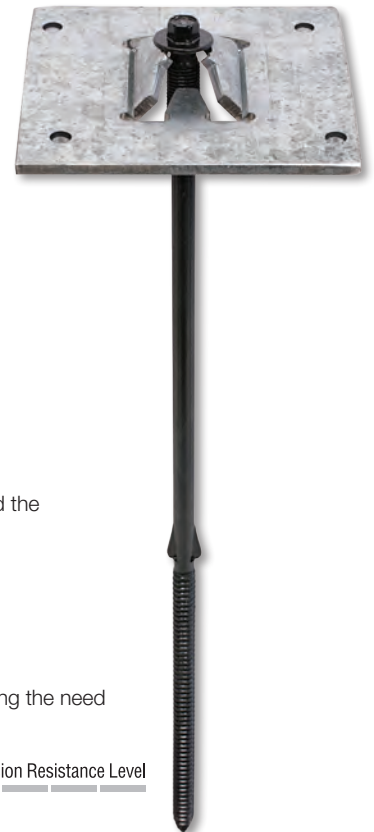
FINISH:

SDWF — E-Coat™

TUW — Galvanised

BLACK Corrosion Resistance Level
E-COAT **Low**

E-Coat screw coating is intended for dry service, low corrosion applications and is suitable for use within the building envelope and falls within the medium-corrosion, dry-service category.



Simpson Strong-Tie® Australia
Call **1300 STRONG** (1300 787 664)
www.strongtie.com.au

Simpson Strong-Tie Limited Warranty: For the Limited Warranty that applies to Simpson Strong-Tie products, please consult www.strongtie.com.au/warranty. To obtain a copy of the Limited Warranty, contact us at info.au@strongtie.com, or at the number provided here. The Limited Warranty contains important disclaimers, limitations and exclusions, and applies only if the products have been properly specified, installed, maintained, and used in accordance with the design limits and the structural, technical, and environmental specifications in the Simpson Strong-Tie Documentation. All future purchases of Simpson Strong-Tie products are subject to the terms of the Limited Warranty in effect as of the purchase date.

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Installation



1. a) Drive the SDWF screw vertically ($90^{\circ} \pm 2^{\circ}$) into the center of the upper-wall bottom plate.
- b) Once SDWF has passed through upper-wall bottom plate and floor sheathing, make sure SDWF is still vertical ($90^{\circ} \pm 2^{\circ}$) prior to driving SDWF into lower-wall double top plate. Adjust if necessary.
- c) Continue driving SDWF until the head is a minimum of 50mm above the upper-wall bottom plate.

2. Slide the TUW (provided) over the SDWF screw head and center using locator tab as a reference. Orient locator tab so that it points toward the outside of the wall.

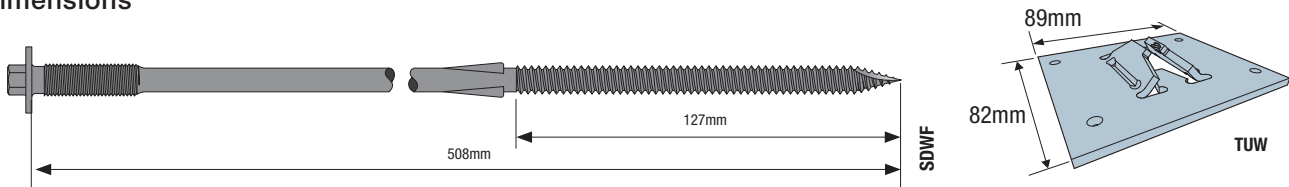


3. Secure the TUW to the upper-wall bottom plate with (4) SD#9 x 64mm Simpson Strong-Tie® Strong-Drive® SD Connector screws (provided).

4. Continue driving the SDWF screw until the washer head contacts the threaded TUW tabs and bends them until they engage the shank of the SDWF directly under the head. Do not overdrive!

5. Check to ensure the proper engagement of the TUW tabs to the SDWF screw shank using the screw depth guide (provided). The measured gap shall be no greater than 7mm and no less than 4mm.

Dimensions



Model No.	Screw Length	Thread Length (mm)	Diameter (mm)			Head Dia. mm/Head Type	Box Qty	Pack Barcode	Pack Dims (W x L x H) mm	Pack Weight
			Shank	Major	Minor					
SDWF2720-TUW	508mm	127mm	6.8	8.2	6.2	18.5mm/Hex	25	707392885405	90 x 580 x 110	9.30KGS

Kit Contents



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