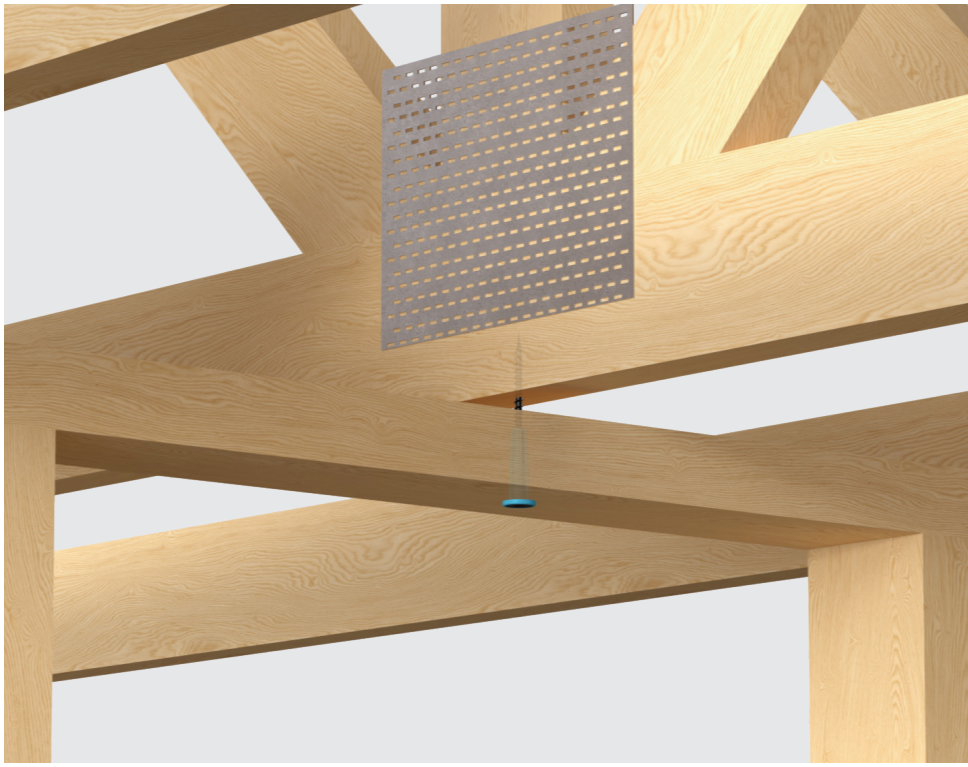
SDPW Deflector Screw

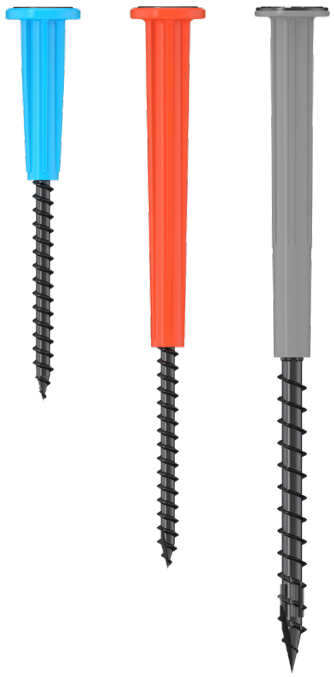
Strong-Drive® SDPW™ DEFLECTOR Screw

The SDPW Deflector Screw from Simpson Strong-Tie is a premium structural fastening solution that provides a time-saving solution for connecting non-load-bearing walls to joists and trusses.

With tested lateral-load ratings, the SDPW screw is value engineered for strength, installation speed and safety.

The SDPW's screw and polymer sleeve permit the naturally occurring differential deflection between the wall and the supporting member without squeaking.





Material:

- The SDPW Deflector Screw is manufactured from heat treated carbon steel and coated with an E-coat® for corrosion resistance
- The polymer sleeve is colour coded for ease of identification

Benefits:

- Pre-drill bit bores its own hole eliminating the screw from following the timber grain that could cause a miss-installation into the joist/truss
- Polymer sleeve allows for sliding during deflection, preventing squeaks
- E-Coat® finish for dry service applications which is compatble with treated timber
- Drill bit (3/8") and driver bit (T25 or T40 6 lobe) supplied in each box
- Available in three lengths to suit various scenarios
- Colour coded polymer sleeves for easy and quick identification

References	Size [mm]	Thread Length [mm]	Head Diameter [mm]	Drive Type	Sleeve Length [mm]	Sleeve Colour
SDPW14312	5.2 x 89	51	14	T25	38	Blue
SDPW14500	5.2 x 127	51	14	T25	76	Orange
SDPW19600	6.9 x 152	70	16.5	T40	76	Grey

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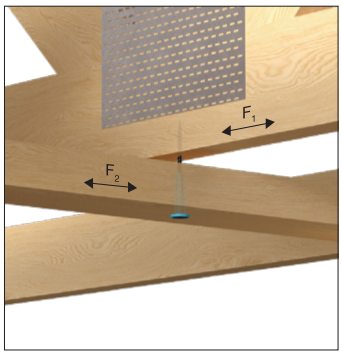
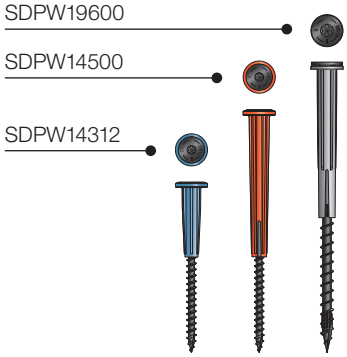
SDPW Connector Screw

Product Capacities

References	Characteristic Capacities [N]	Safe Working Loads [N]		
	$R_{1\ \&\ 2,k}$	$R_{1\ \&\ 2,SWL,LT}$	$R_{1\ \&\ 2,SWL,MT}$	$R_{1\ \&\ 2,SWL,ST}$
SDPW	1300	540	619	650

Notes:
- SDPW Deflector Screw performance values are determined from testing with a 15mm gap
- Characteristic Loads determined in accordance to EN14358 with minimum C16 graded timber
- Safe Working Loads are determined by applying relevant safety factors to the declared Characteristic Load

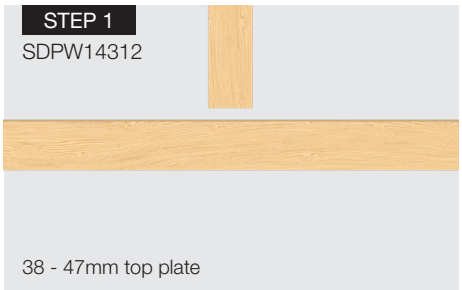


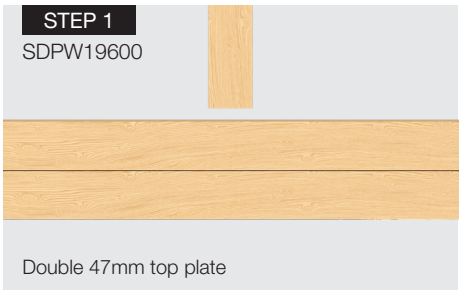


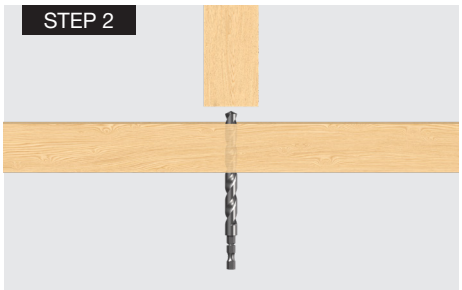
Installation:

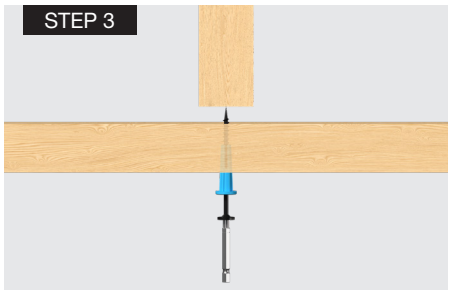
1. Determine the correct SDPW for your application:
   - SDPW14312: 38 - 47mm top plate with up to 15mm gap
   - SDPW14500: Double 38mm top plate with up to 15mm gap
   - SDPW19600: Double 47mm top plate with up to 15mm gap
2. Drill completely through the top plate(s) with a 3/8” drill bit (supplied), ensuring the hole goes through the centre of the top plate and aligns with the centre of the joist/truss. Be careful not to drill into the joist/truss.
3. Push the SDPW Deflector Screw solution into the drilled hole. Drive the screw until the underside of the polymer sleeve is in contact with the underside of the top plate.
4. Final installation.

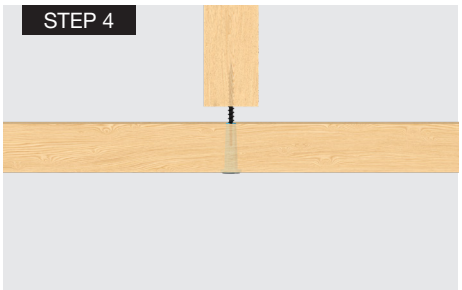
Note:
- When installed, the polymer sleeve of the SDPW Deflector Screw should be tight to the underside of the non-load bearing partitions top plate whilst maintaining the required gap between the top side of the top plate and the underside of the joist/truss. The polymer sleeve shall not penetrate into the supporting member
- The SDPW Deflector Screw solution comes with a 3/8” drill bit and a T25 or T40 6 lobe driver bit with “offset” cup attached. The “offset” cup must be removed from the 6 lobe driver bit prior to use











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