

SDWH **TIMBER-HEX** LANDSCAPING & GENERAL PUSRPOSE SCREWS

SDWH Fastener Information

- The SDWH19 Timber-Hex screw is ideal for structural and general purpose timber frame applications where a hex-head drive is preferred.
- The SDWH27 Timber-Hex screw is available with an extra strong shank and Hot Dipped Galvanised finish for when a heavy duty fastener for tough exterior structural applications is required.

SDWH Material and finish

- SDWH19 – Double-barrier coating provides Medium Level corrosion resistance making it suitable for certain exterior and preservative-treated wood applications.
- SDWH27 – CL4 hot-dip galvanised coating suitable for external corrosive environments.



Specifications - SDWS and SDWH

Model No.	Size (mm)	Thread	Point	Head	Material & Finish	Box Qty	Drive Size	Replacement Bit
SDWH19400DB-R50	4.9 x 102	Bold		Large Hex Washer Head	Carbon Steel Double Barrier Coating	50	5/ 16" Hex	BITEXR516-R1
SDWH19600DB-R50	4.9 x 152							
SDWS27400GR30	7.0 x 102	Serrated Threads			CL4 Hot-Dip Galvanised	30	3/ 8" Hex	BITEXR38-R1
SDWH27600GR30	7.0 x 152							

1. These fasteners possess a level of corrosion resistance that makes them suitable for use in some exterior and corrosive environments and with some preservative-treated timber.
2. For applications in higher-exposure applications, consider Type-300 series stainless-steel fasteners for superior corrosion resistance.
3. Bit(s) included with every box of screws.
4. Pre-drilling and countersink may be necessary at ends, butt joints, and on applications where denser material is used.
5. Follow board manufacturers recommendations where applicable.

Table 1 - Fastener Design Capacities & Properties

Model	SDWH19400DB-R50				SDWH19600DB-R50				SDWH27400GR30				SDWH27600GR30																			
	AU		NZ		AU		NZ		AU		NZ		AU		NZ																	
Head Marking	194				196				2704				2706																			
Screw Length (mm)	102				152				102				152																			
Thread Length (mm) ¹	60				70				76				76																			
Diameter-Shank (mm)	4.9				4.9				7.0				7.0																			
Diameter-Major (mm)	7.0				7.0				10.1				10.1																			
Diameter-Minor (mm)	4.6				4.6				6.2				6.2																			
Fastener Properties																																
Characteristic Yield Moment, My,k (N-mm) ²	16310				13235				16785				13620				33630				30100											
Tensile Strength (kN) ³	8.1				14.1				8.3				14.6				13.7				13.4											
Shear Strength (kN) ³	5.1				7.1				5.2				7.1				9.8				7.9				9.8				7.9			
Characteristic Loads in Timber																																
Characteristic Shear Strengths (N)	51mm side	64mm side	38mm side	51mm side	64mm side	38mm side	76mm side	102mm side	114mm side	38mm side	76mm side	102mm side	114mm side	38mm side	64mm side	38mm side	64mm side	38mm side	76mm side	38mm side	76mm side	38mm side	76mm side	51mm side	64mm side							
																										51mm side	64mm side	38mm side	51mm side	64mm side	38mm side	76mm side
JD4/SG8	5480	4445	4460	5465	5005	5235	6145	3900	4455	3990	6795	3880	4780	5135	6495	NA	7555	NA	NA	7650	NA	NA	10200	NA	10200							
JD5/SG6	4860	3490	2885	6265	4290	2725	5185	4015	3895	2645	6350	4080	4150	3265	5925	NA	7320	NA	NA	6690	NA	NA	7165	NA	7165							
Characteristic Withdrawal Strengths (N/mm²) Face/Side Grain																																
JD4/SG8	112				136				106				141				149				196				149				196			
JD5/SG6	86				106				101				127				124				160				124				160			

AU Notes

1. Overall Length is from the bottom of the head to the point.
2. Characteristic yield moment is $My,k = 0.3 f_t d^{2.6}$ and based on average nominal tensile strength where d = shank diameter.
3. Tensile and shear strengths are 0.5 of mean nominal strengths through the minor diameter

NZ Notes

1. Overall Length is from the bottom of the head to the point.
2. Characteristic yield moment is $My,k = 0.3 f_t d^{2.6}$ and based on characteristic ultimate tensile strength where d = shank diameter.
3. Tensile and shear strengths are based on characteristic tensile strengths through the minor diameter

N/A: Not tested

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

Simpson Strong-Tie® (New Zealand) Ltd
Call **09 477 4440**
www.strongtie.co.nz

This flyer reflects information available as of Oct 9th, 2023 and may be updated periodically.

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