

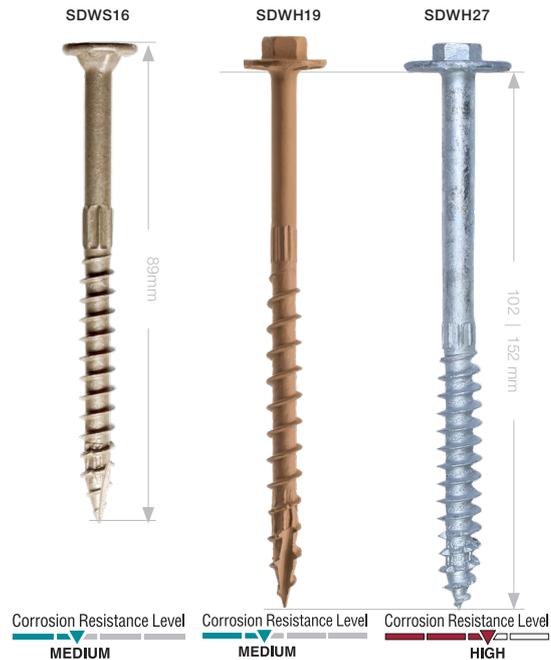
SDWS and SDWH — Strong-Drive® Framing Screws

SDWS16 Fastener Information/Material and Finish

- The SDWS16 Framing screw is suitable for replacing nails in many framing applications where a more secure and precise connection, especially greater holding power and pullout resistance is required, it can also be easily removed if required.
- Quik Guard® Coating — Quik Guard is a proprietary coating that consists of an electroplated zinc base layer and a system of organic top coats. It provides medium level corrosion resistance.

SDWH Fastener Information/ Material and finish

- 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.
- SDWH19 — Double-barrier coating provides Medium Level corrosion resistance making it suitable for certain exterior and preservative-treated wood applications.
- SDWH27 — ASTM A153 Class-C 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
SDWS16312QR50	4.0 x 89	Serrated Threads	SawTooth® Type-17 Point	Low Profile Head	Carbon Steel Quik Guard Coating	50	T25, 6 Lobe	BIT25T-2-R2
SDWH19400DB-R50	4.9 x 102	Bold		Large Hex Washer Head	Carbon Steel Double Barrier Coating	50	5/ 16" Hex	BITHEXR516-R1
SDWH19600DB-R50	4.9 x 152				Hot-Dip Galvanized, Class C	50	3/ 8" Hex	BITHEXR38-R1
SDWS27400GR30	7.0 x 102	Serrated Threads		30				
SDWH27600GR30	7.0 x 152							

- 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.
- For applications in higher-exposure applications, consider Type-300 series stainless-steel fasteners for superior corrosion resistance.
- Bit(s) included with every box of screws.
- Pre-drilling and countersink may be necessary at ends, butt joints, and on applications where denser material is used.
- Follow board manufacturers recommendations where applicable.

Table 1 - Fastener Design Capacities & Properties

Model	AU		NZ		AU		NZ		AU		NZ		AU		NZ		AU		NZ					
	SDWS16312QR50	SDWS16312QR50	SDWS16312QR50	SDWS16312QR50	SDWH19400DB-R50	SDWH19400DB-R50	SDWH19400DB-R50	SDWH19400DB-R50	SDWH19600DB-R50	SDWH19600DB-R50	SDWH19600DB-R50	SDWH19600DB-R50	SDWH27400GR30	SDWH27400GR30	SDWH27400GR30	SDWH27400GR30	SDWH27600GR30	SDWH27600GR30	SDWH27600GR30	SDWH27600GR30				
Head Marking	WS16, 3.5				194				196				2704				2706							
Screw Length (mm)	89				102				152				102				152							
Thread Length (mm) ¹	51				60				70				76				76							
Diameter-Shank (mm)	4.0				4.9				4.9				7.0				7.0							
Diameter-Major (mm)	5.5				7.0				7.0				10.1				10.1							
Diameter-Minor (mm)	3.7				4.6				4.6				6.2				6.2							
Fastener Properties																								
Characteristic Yield Moment, My,k (N-mm) ²	10840	9700			16310				13235				16785				13620			33630	30100	33630	30100	
Tensile Strength (kN) ³	6.1	10.3			8.1				14.1				8.3				14.6			13.7	13.4	13.7	13.4	
Shear Strength (kN) ³	3.8	6.6			5.1				7.1				5.2				7.1			9.8	7.9	9.8	7.9	
Characteristic Loads in Timber																								
Characteristic Shear Strengths (N)	38mm side		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	
	JD4/SG8	3610	3400	5480	4445	4460	5465	5005	5235	6145	3900	4455	3990	6795	3880	4780	5135	6495	NA	7555	NA	NA	7650	NA
JD5/SG6	2945	3400	4860	3490	2885	6265	4290	2725	5185	4015	3895	2645	6350	4080	4150	3265	5925	NA	7320	NA	NA	6690	NA	7165
Characteristic Withdrawal Strengths (N/mm²) Face/Side Grain																								
JD4/SG8	88	131			112				136				106				141			149	196	149	196	
JD5/SG6	74	97			86				106				101				127			124	160	124	160	

AU Notes

- Overall Length is from the bottom of the head to the point.
- Characteristic yield moment is My,k = 0.3 f_y d² and based on average nominal tensile strength where d = shank diameter.
- Tensile and shear strengths are 0.5 of mean nominal strengths through the minor diameter

NZ Notes

- Overall Length is from the bottom of the head to the point.
- Characteristic yield moment is My,k = 0.3 f_y d² and based on characteristic ultimate tensile strength where d = shank diameter.
- Tensile and shear strengths are based on characteristic tensile strengths through the minor diameter

NA: Not tested

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This flyer reflects information available as of August 30, 2022 and may be updated periodically.
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