

SDWS16 FRAMING & BATTEN SCREW

SDWS16 Fastener Information/Material and Finish

- The SDWS16 SDWS16 FRAMING & BATTEN Multipurpose Structural Wood 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.



Specifications

Model No.	Screw Length (mm)	Thread Length (mm)	Point	Material & Finish	Head Dia. (mm)	Diameter (mm)			Drive Type	Box Qty	Box/Ctn
						Shank	Major	Minor			
SDWS16212QR50	64	28	SawTooth® Type-17 Point	Carbon Steel Quik Guard Coating	11.2	4.0	5.5	3.7	T-25 6-lobe (BIT25T-2-R2)	50	10
SDWS16212QR150										150	3
SDWS16212Q										1,000	N/A
SDWS16300QR50	76	41								50	10
SDWS16300QR150										150	3
SDWS16300Q										1,000	N/A
SDWS16312QR50	89	51								50	10
SDWS16312QR150										150	3
SDWS16312Q										750	N/A
SDWS16400QR50	102	63								50	6
SDWS16400QR150			150	3							
SDWS16400Q			750	N/A							

- 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	AU	AU	AU
SDWS16212QR50, SDWS16212QR150, SDWS16212Q	SDWS16300QR50, SDWS16300QR150, SDWS16300Q	SDWS16312QR50, SDWS16312QR150, SDWS16312Q	SDWS16400QR50, SDWS16400QR150, SDWS16400Q	
Head Marking	WS16, 2.5	WS16, 3.0	WS16, 3.5	WS16, 4.0
Fastener Properties				
Characteristic Yield Moment, My,k (N-mm) ²	10,890	10,890	10,890	10,890
Tensile Strength (kN) ³	6.1	6.1	6.1	6.1
Shear Strength (kN) ³	3.8	3.8	3.8	3.8
Characteristic Loads in Timber				
Characteristic Shear Strengths (N)	35mm side			
JD4/SG8	1,570	2,225	3,610	3,610
JD5/SG6	1,475	2,225	2,945	2,945
Characteristic Withdrawal Strengths (N/mm²) Face/Side Grain				
JD4/SG8	77	99	99	99
JD5/SG6	60	71	74	74

AU Notes

- Overall Length is from the bottom of the head to the point.
- Characteristic yield moment is My,k = 0.3 f_y d_n^{2.6} and based on average nominal tensile strength where d = 1.1 x nominal 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 d_n^{2.6} and based on characteristic ultimate tensile strength where d = 1.1 x minor diameter.
- Characteristic tensile and shear strengths are based on characteristic strengths through the minor diameter.

N/A: Not tested

Table 2 - Characteristic pull-through capacities (Qk) for the SDWS Framing Screw. (N)

Australia	
JD4	JD5
3960	2800

Note 1 Characteristic pull-through resistance calculated from test data per withdrawal in AS1649 for Australia and based on EMO1 for NZ.