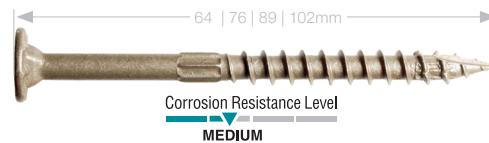


# SDWS16 FRAMING & BATTEN SCREW

## 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)	Diamater (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
SDWS16300QR50	76	41								50	10
SDWS16300QR150										150	3
SDWS16312QR50	89	51								50	10
SDWS16312QR150										150	3
SDWS16400QR50	102	63								50	6
SDWS16400QR150										150	3

- 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	SDWS16212QR50, SDWS16212QR150	SDWS16300QR50, SDWS16300QR150	SDWS16312QR50, SDWS16312QR150	SDWS16400QR50, SDWS16400QR150
Head Marking	WS16, 2.5	WS16, 3.0	WS16, 3.5	WS16, 4.0
Fastener Properties				
Characteristic Yield Moment, My,k (N-mm) <sup>2</sup>	9,800	9,800	9,800	9,800
Tensile Strength (kN) <sup>3</sup>	11.0	11.0	11.0	11.0
Shear Strength (kN) <sup>3</sup>	6.8	6.8	6.8	6.8
Characteristic Loads in Timber				
Characteristic Shear Strengths (N)	Timber Side Member Thickness			
	35mm			
JD4/SG8	1,805	3,315	3,625	3,625
JD5/SG6	1,790	3,035	3,530	3,530
Characteristic Withdrawal Strengths (N/mm <sup>2</sup> ) Face/Side Grain				
JD4/SG8	106	130	142	142
JD5/SG6	76	92	102	102

### AU Notes

- Overall Length is from the bottom of the head to the point.
- Characteristic yield moment is  $My,k = 0.3 f_{d,2.5}$  and based on average nominal tensile strength where  $d = 1.1 \times$  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  $My,k = 0.3 f_{d,2.5}$  and based on characteristic ultimate tensile strength where  $d = 1.1 \times$  minor diameter.
- Characteristic tensile and shear strengths are based on characteristic strengths through the minor diameter.

Table 2 - Characteristic pull-through capacities (Qk) for the SDWS16 Framing Screw. (N)

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.