

Structural Screws for Multi-Ply Timbers

SDW Structural Timber Screw

The Strong-Drive® SDW screw is a 8.0mm diameter, high-strength structural timber screw specifically designed for fastening multi-ply timber members together such as plated trusses, engineered timber products and solid-sawn timber.

The SDW installs easily with no pre-drilling and is available in optimized lengths for fastening 2, 3 and 4-ply trusses or 45mm engineered timber such as Laminated Veneer Lumber (LVL). The SDW enables single-side fastening, while still allowing concurrent loading on both sides of the assembly to the full allowable head or point-side load of the fastener.

- Low-profile head for reduced interference during handling or installation of hardware on the assembly.
- High shear values enable wider screw spacing.
- Bold thread design firmly clinches plies together to close gaps in multi-ply assemblies.
- Optimal screw lengths provide maximum point side penetration.

Material: Heat Treated Carbon Steel. Finish: Black E-coat™

Warning: Industry studies show that hardened fasteners can experience performance problems in wet or corrosive environments. Accordingly, the SDW timber screws should only be used in dry, interior and non-corrosive environments e.g. Service class 1 & 2.

Installation:

- SDW screws install best with an impact driver and a T40 6-lobe bit (one bit included in the box).
- Pre-drilling is typically not required. SDW screws may be installed through metal truss plates as approved by the truss designer.
- Drive the fastener so that the top of the head is slightly embedded into the top surface of the timber. To ensure correct performance, do not under or over-drive the fastener.
- Individual screw locations may be adjusted up to 75mm to avoid conflicts with other hardware or to avoid timber defects.

SDW Item Codes

Item Code	Screw Length (L) mm	Thread Length (TL) mm	Shank Diameter mm	Thread Diameter mm	Head Diameter mm	Driver Bit
SDW22258-R50	66	36	5.6	8.0	19.0	T40
SDW22300-R50	76	37				
SDW22338-R50	86	40				
SDW22438-R50	111	37				
SDW22458-R50	117	37				
SDW22500-R50	127	40				
SDW22600-R50	152	37				
SDW22638-R50	162	37				
SDW22634-R50	172	40				



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ESCR Structural Timber Screw

The ESCR is a washer head screw designed to connect two or more timber members together. The ESCR screw has a reamer to allow for smooth driving of the shank. The large washer head gives high head pull-through resistance while allowing the timber members to close up firmly.

The SDW enables single-side fastening, while still allowing concurrent loading on both sides of the assembly to the full allowable head or point-side load of the fastener.

- Washer head.
- 6 lobe drive.
- Reamer reduces drive resistance.

Material: Heat Treated Carbon Steel

Finish: Electrogalvanised with Yellow Chromate and anti-friction coating. Zinc coating thickness $\geq 5\mu\text{m}$.

Warning: Industry studies show that hardened fasteners can experience performance problems in wet or corrosive environments. Accordingly, the ESCR timber screws should only be used in dry, interior and non-corrosive environments e.g. Service class 1 & 2.

Installation:

- ESCR screws install best with an impact driver and a T40 or T50 6-lobe bit (included in the box).
- Pre-drilling is typically not required. ESCR screws may be installed through metal truss plates as approved by the truss designer.
- Drive the fastener so that the top of the head is slightly embedded into the top surface of the timber. To ensure correct performance, do not under or over-drive the fastener.
- Individual screw locations may be adjusted up to 75mm to avoid conflicts with other hardware or to avoid timber defects.

ESCR Item Codes

Item Code	Screw Length (L) mm	Thread Length (TL) mm	Shank Diameter mm	Thread Diameter mm	Head Diameter mm	Driver Bit
ESCR8.0X80	80	54	5.3	8.0	20.0	T40
ESCR8.0X100	100					
ESCR8.0X120	120					
ESCR8.0X140	140					
ESCR8.0X160	160					
ESCR8.0X180	180					
ESCR8.0X200	200					
ESCR8.0X220	220					
ESCR8.0X240	240					
ESCR8.0X260	260					
ESCR8.0X280	280	100	6.2	10.0	25.0	T50
ESCR8.0X300	300					
ESCR8.0X320	320					
ESCR8.0X340	340					
ESCR8.0X360	360					
ESCR8.0X380	380					
ESCR8.0X400	400					
ESCR10.0X100	100					
ESCR10.0X120	120					
ESCR10.0X140	140					
ESCR10.0X160	160					
ESCR10.0X180	180					
ESCR10.0X200	200					
ESCR10.0X220	220					
ESCR10.0X240	240					
ESCR10.0X260	260					
ESCR10.0X280	280					
ESCR10.0X300	300					
ESCR10.0X320	320					
ESCR10.0X340	340					
ESCR10.0X360	360					
ESCR10.0X380	380					
ESCR10.0X400	400					

