



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

[UK-DoP-h10/0017](#)

FEATURES

Material

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

Benefits

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.



APPLICATIONS

Domaines d'utilisation

- Fixation d'éléments bois multiples (Montants d'ossature, fermettes,...).

TECHNICAL DATA

Dimensions



References	Element thickness	Dimensions [mm]					Characteristic capacities - Timber class C24 - Shear [kN]
		Total length [mm]	Thread length [mm]	Thread Diameter [mm]	Shank Diameter [mm]	Head diameter	
SDW22258-R50	2 x 35 mm	67	34	8	5,6	19,4	2,2
SDW22338-R50	2 x 45 mm	86	40	8	5,6	19,4	2,8
SDW22438-R50	3 x 38 mm	111	37	8	5,6	19,4	1,8
SDW22600-R50	4 x 38 mm	152	37	8	5,6	19,4	3,4
SDW22300-R50		76	37	8	5,6	19,4	
SDW22458-R50		117	37	8	5,6	19,4	
SDW22500-R50		127	40	8	5,6	19,4	
SDW22638-R50		162	37	8	5,6	19,4	
SDW22634-R50		172	40	8	5,6	19,4	

Mechanical Properties - Determined in accordance with EN14592

References	Dimensions [mm]					$f_{y,k}$ [N/mm ²]	$M_{y,k}$ [Nm]	$f_{ax,k,90^\circ}$ [N/mm ²]	$f_{head,k}$ [N/mm ²]	$f_{tens,k}$ [kN]	$f_{tor,k}$ [Nm]
	Total length [mm]	Thread length [mm]	Thread Diameter [mm]	Shank Diameter [mm]	Head diameter						
SDW22258-R50	67	34	8	5,6	19,4	600	15,5	7,8	10,8	20,5	20,6
SDW22338-R50	86	40	8	5,6	19,4	600	15,5	7,8	10,8	20,5	20,6
SDW22438-R50	111	37	8	5,6	19,4	600	15,5	7,8	10,8	20,5	20,6
SDW22600-R50	152	37	8	5,6	19,4	600	15,5	7,8	10,8	20,5	20,6
SDW22300-R50	76	37	8	5,6	19,4	600	15,5	7,8	10,8	20,5	20,6
SDW22458-R50	117	37	8	5,6	19,4	600	15,5	7,8	10,8	20,5	20,6
SDW22500-R50	127	40	8	5,6	19,4	600	15,5	7,8	10,8	20,5	20,6
SDW22638-R50	162	37	8	5,6	19,4	600	15,5	7,8	10,8	20,5	20,6
SDW22634-R50	172	40	8	5,6	19,4	600	15,5	7,8	10,8	20,5	20,6

SDW Item Codes

References	Dimensions [mm]			
	Total length [mm]	Thread length [mm]	Shank Diameter [mm]	Thread Diameter [mm]
SDW22258-R50	67	34	5.6	8
SDW22338-R50	86	40	5.6	8
SDW22438-R50	111	37	5.6	8
SDW22600-R50	152	37	5.6	8
SDW22300-R50	76	37	5.6	8
SDW22458-R50	117	37	5.6	8
SDW22500-R50	127	40	5.6	8
SDW22638-R50	162	37	5.6	8
SDW22634-R50	172	40	5.6	8

Mechanical Properties - Determined in accordance with EN14592. (Values documented in ITTR-10/0007)

Property	Reference	Units	Value
Characteristic Tensile Capacity	$f_{tens, k}$	kN	20.5
Characteristic Yield Moment	M_y, k	Nm	15.5
Characteristic Head Pull-Through Parameter	$f_{head, k}$	N/mm ²	10.8
Characteristic Withdrawal Parameter	$f_{ax, k 90\#}$	N/mm ²	7.8

INSTALLATION

Installation

- SDW screws install best with a low-speed drill and a T40 6-lobe bit (bit included with every box of screws).
- 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.



Stud Wall
Assembly



Truss Assembly



Frame
Reinforcement

TECHNICAL NOTES