

SDW træskruer installeres uden forboring og er dermed velegnede til hurtig fastgørelse af dobbeltspær, da der kun skal skrues fra den ene side. Skruernes høje forskydningsstyrke tillader større afstand imellem skruerne, og det flade lavprofil hoved gør skruen nem at håndtere og installere.

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

## EGENSKABER



### Materiale

- Stålkvalitet: Kulstof stål
- Overflade: Black E-coat™

### Fordele

- Har helt flat hoved som muliggør at næste elementer kan skubbes helt tæt
- CE godkendt

## ANVENDELSE

### Samlinger

- Stålkvalitet 5.8

### Anvendelsesområder

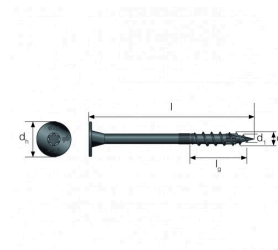
- Til samling af dobbeltspær eller flere
- Specielt egnet til spær

### 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.

TEKNISK DATA

Dimensioner



Art. nr.	DB nr.	Dimensioner [mm]					Driver Bit
		L	$l_g$	$d_1$	d	$d_h$	
SDW22300-R50E	2054441	76	37	5.6	8	19	T-40
SDW22338-R50E	1865763	86	40	5.6	8	19	T-40
SDW22458-R50E	2054457	117	37	5.6	8	19	T-40
SDW22500-R50E	2054467	127	40	5.6	8	19	T-40
SDW22638-R50E	2054554	162	37	5.6	8	19	T-40
SDW22634-R50E	2054555	172	40	5.6	8	19	T-40

BæREEVNER

Timber to Timber characteristic capacities

Art. nr.	Product characteristic capacities - Timber to Timber C24															
	Axial resistance		Shear resistance parallel to the grain depending of $t_1$ [Rv.0.k] [kN]							Shear resistance perpendicular to the grain depending of $t_1$ [Rv.90.k] [kN]						
	$t_1$ [mm]	$R_{ax.k}$ [kN]	35 [mm]	40 [mm]	45 [mm]	60 [mm]	75 [mm]	80 [mm]	$\geq 100$ [mm]	35 [mm]	40 [mm]	45 [mm]	60 [mm]	75 [mm]	80 [mm]	$\geq 100$ [mm]
SDW22300-R50E	40	3.41	3.32	3.36	3.14	-	-	-	-	2.64	2.64	2.59	-	-	-	-
SDW22338-R50E	46	3.79	3.41	3.62	3.62	-	-	-	-	2.79	2.94	2.97	-	-	-	-
SDW22458-R50E	82	3.41	3.32	3.52	3.52	3.52	3.52	3.46	-	2.7	2.84	3	3.08	2.94	2.78	-
SDW22500-R50E	87	3.79	3.41	3.62	3.62	3.62	3.62	3.62	-	2.79	2.94	3.1	3.17	3.17	3.16	-
SDW22638-R50E	126	3.41	3.32	3.52	3.52	3.52	3.52	3.52	3.52	2.7	2.84	3	3.08	3.08	3.08	3.08
SDW22634-R50E	131	3.79	3.41	3.62	3.62	3.62	3.62	3.62	3.62	2.79	2.94	3.1	3.17	3.17	3.17	3.17

These capacities are valid for:

- Timber element under the head with thickness  $\leq t_1$  disclosed in adjacent column
- Screw axis between 45° and 90° from timber grain for ESCR(XXX), and 90° from timber grain for all other screws. For tightening screws (partially threaded),  $t_1$  dimension is the maximum thickness of the under-head timber member for which the thread is fully in the pointside timber member, for an optimum installation and tightening. The shear capacities are given for several timber thicknesses  $t_1$  of the under-head member under the following configurations:

- Load axis at 0° from both timber grains Rv.0°.k
- Load axis at 90° from both timber grains Rv.90°.k

These capacities are valid for C24 timber grades or higher

The pre-drilled hypothesis for capacity and distances calculation is fulfilled.

For partial threaded screws, capacities are only given for configurations where the thread is less than 5mm in under-head timber member, in order to achieve optimum installation and tightening.

Clause (2) in 8.3.1.2 from EN1995-1-1:2004+A2:2014 about embedment length is ignored in these calculations.

Steel to Timber characteristic capacities

Art. nr.	Product characteristic capacities - Steel to Timber C24				
	Axial resistance [Rax.st.k] [kN]	Shear resistance - Thin plate		Shear Resistance - Thick steel	
		Rv.0.st.k [kN]	Rv.90.st.k [kN]	Rv.0.st.k [kN]	Rv.90.st.k [kN]
SDW22300-R50E	3.41	3.52	3.08	4.63	4
SDW22338-R50E	3.79	3.62	3.17	4.72	4.09
SDW22458-R50E	3.41	3.52	3.08	4.63	4
SDW22500-R50E	3.79	3.62	3.17	4.72	4.09
SDW22638-R50E	3.41	3.52	3.08	4.63	4
SDW22634-R50E	3.79	3.62	3.17	4.72	4.09

Shear capacities are given for thick ( $t_{st} = d$ ) and thin ( $t_{st} = 0,5xd$ ) steel plates under the following configurations:

- Load axis at 0° from timber grain Rv.0°.k
- Load axis at 90° from timber grain Rv.90°.k

These capacities are valid for C24 timber grades or higher.

For intermediate steel thicknesses, capacities shall be calculated by linear interpolation between the limiting thin and thick plate values.

The pre-drilled hypothesis for capacity and distances calculation is fulfilled.

**Ledger on Stud characteristic capacities**

Art. nr.	Product characteristic capacities - Ledger on stud C24									
	Minimum width of the stud [mm]	Minimum distance to the bottom side of the ledger $a_{4,c}$ [mm]	Shear capacity depending of thickness of ledger $t_1$ [Rv.90-0.k] [kN]							
			35 [mm]	40 [mm]	45 [mm]	60 [mm]	75 [mm]	80 [mm]	90 [mm]	≥100 [mm]
SDW22300-R50E	46	23	3.27	3.19	2.86	-	-	-	-	-
SDW22338-R50E	46	23	3.36	3.36	3.36	-	-	-	-	-
SDW22458-R50E	46	23	3.27	3.27	3.27	3.27	3.27	3.27	-	-
SDW22500-R50E	46	23	3.36	3.36	3.36	3.36	3.36	3.36	3.25	-
SDW22638-R50E	46	23	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27
SDW22634-R50E	46	23	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36

## MONTERING

### Monteringsvejledning

- SDW skruer monteres bedst med langsomme omdrejninger og en T40 bit (Bit er inkluderet i hver kasse)
- Forboring er ikke nødvendig. SDW skruen kan monteres gennem stålspær iht. spærleverandøren
- Iskru skruen, således hovedet er let undersænket i træet, for at sikre de korrekte værdier
- Indbyrdes afstande mellem skruerne kan justeres op til 75 mm



Samling af  
skillevæg



Samling af spær



forstærkning af  
rammer