

## SDCFC Fully Threaded Cylinder Head Structural Screw

The SDCFC cylindrical head structural wood screw with full thread is designed for timber framing, framework and reinforcement. This screw can be used for a wide range of applications in professional wood construction.

### Features

#### Material

- Hardened Carbon Steel
- Black E-Coat™

### Applications

#### Advantages

- **Countersunk head:** ideal for timber/timber or steel/timber assembly with head flush with surface
- **Underhead ribs:** for a clear finish and no timber superficial split
- **Full asymmetrical thread** for a maximum withdrawal capacity, allows compressive load bearing
- **SawTooth® point:** fast start, easy driving, no need for pre-drilling
- **Torx driven:** reduces the wear of the bit

#### Suitable for

- Solid Timber, Glulam timber, CLT, Wood-based panels

#### When to use

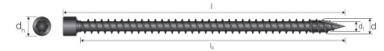
- Timber to timber assembly
- Timber reinforcement (to transversile tension or compression)



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### Technical Data

#### Product Dimensions



References	Item code	DB nr.	NOBB nr.	Fastener dimensions [mm]						Box Quantity	Weight [kg]
				d	l	l <sub>g</sub>	d <sub>h</sub>	d <sub>1</sub>	Driver bit		
SDCFC8X120	78446	2523245	60774125	8	120	110	10.2	5.2	T-40	50	0.033
SDCFC8X160	78447	2523247	60774126	8	160	150	10.2	5.2	T-40	50	0.038
SDCFC8X200	78448	2523249	60774127	8	200	190	10.2	5.2	T-40	50	0.053
SDCFC8X240	78449	2523250	60774128	8	240	230	10.2	5.2	T-40	50	0.063
SDCFC8X280	78450	2523252	60774129	8	280	270	10.2	5.2	T-40	30	0.074
SDCFC8X330	78451	2523254	60774130	8	330	320	10.2	5.2	T-40	30	0.086
SDCFC8X350	78452	2523255	60774131	8	350	340	10.2	5.2	T-40	30	0.091
SDCFC10X240	78456	2523262	60774135	10	240	228	13.4	6.2	T-50	25	0.091
SDCFC10X300	78457	2523263	60774136	10	300	288	13.4	6.2	T-50	25	0.112
SDCFC10X380	78458	2523264	60774137	10	380	368	13.4	6.2	T-50	25	0.137
SDCFC10X500	78459	2523266	60774138	10	500	476	13.4	6.2	T-50	25	0.157
SDCFC10X600	78460	2523267	60774139	10	600	576	13.4	6.2	T-50	15	0.193
SDCFC10X800	78461	2523269	60774140	10	800	776	13.4	6.2	T-50	15	0.263
SDCFC10X1000	78462	2523271	60774141	10	1000	976	13.4	6.2	T-50	15	0.313

#### Product characteristic properties

References	Product characteristic properties				
	Characteristic Yield Moment – M <sub>y,k</sub> [M <sub>y,k</sub> ] [Nm]	Characteristic withdrawal parameter - f <sub>ax,k,90°</sub> [f <sub>ax,k,90°</sub> ] [N/mm <sup>2</sup> ]	Characteristic head pull-through parameter - f <sub>head,k</sub> [f <sub>head,k</sub> ] [N/mm <sup>2</sup> ]	Characteristic tensile capacity - f <sub>tens,k</sub> [f <sub>tens,k</sub> ] [kN]	Characteristic torsional strength - f <sub>tor,k</sub> [f <sub>tor,k</sub> ] [Nm]
SDCFC8X120	21.9	13.4	9.4	21.7	25
SDCFC8X160	21.9	13.4	9.4	21.7	25
SDCFC8X200	21.9	13.4	9.4	21.7	25
SDCFC8X240	21.9	13.4	9.4	21.7	25
SDCFC8X280	21.9	13.4	9.4	21.7	25
SDCFC8X330	21.9	13.4	9.4	21.7	25
SDCFC8X350	21.9	13.4	9.4	21.7	25
SDCFC10X240	37.9	13	9.4	32.9	46
SDCFC10X300	37.9	13	9.4	32.9	46
SDCFC10X380	37.9	13	9.4	32.9	46
SDCFC10X500	37.9	13	9.4	32.9	46
SDCFC10X600	37.9	13	9.4	32.9	46
SDCFC10X800	37.9	13	9.4	32.9	46
SDCFC10X1000	37.9	13	9.4	32.9	46

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### Installation

Spacing and Edge distances - Shear loaded screws

References	Minimum edge distances and spacing for shear loaded screws [mm]											
	Angle between load and grain = 0°						Angle between load and grain = 90°					
	a <sub>1.0</sub>	a <sub>2.0</sub>	a <sub>3.t.0</sub>	a <sub>3.c.0</sub>	a <sub>4.t.0</sub>	a <sub>4.c.0</sub>	a <sub>1.90</sub>	a <sub>2.90</sub>	a <sub>3.t.90</sub>	a <sub>3.c.90</sub>	a <sub>4.t.90</sub>	a <sub>4.c.90</sub>
SDCFC8X120	96	40	120	80	40	40	40	40	80	80	80	40
SDCFC8X160	96	40	120	80	40	40	40	40	80	80	80	40
SDCFC8X200	96	40	120	80	40	40	40	40	80	80	80	40
SDCFC8X240	96	40	120	80	40	40	40	40	80	80	80	40
SDCFC8X280	96	40	120	80	40	40	40	40	80	80	80	40
SDCFC8X330	96	40	120	80	40	40	40	40	80	80	80	40
SDCFC8X350	96	40	120	80	40	40	40	40	80	80	80	40
SDCFC10X240	120	50	150	100	50	50	50	50	100	100	100	50
SDCFC10X300	120	50	150	100	50	50	50	50	100	100	100	50
SDCFC10X380	120	50	150	100	50	50	50	50	100	100	100	50
SDCFC10X500	120	50	150	100	50	50	50	50	100	100	100	50
SDCFC10X600	120	50	150	100	50	50	50	50	100	100	100	50
SDCFC10X800	120	50	150	100	50	50	50	50	100	100	100	50
SDCFC10X1000	120	50	150	100	50	50	50	50	100	100	100	50

Spacing and edge distances - Axially loaded screws

References	Minimum edge distances and spacing for axially loaded screws [mm]			
	a <sub>1</sub>	a <sub>2</sub>	a <sub>1.cg</sub>	a <sub>2.cg</sub>
SDCFC8X120	80	24	64	24
SDCFC8X160	80	24	64	24
SDCFC8X200	80	24	64	24
SDCFC8X240	80	24	64	24
SDCFC8X280	80	24	64	24
SDCFC8X330	80	24	64	24
SDCFC8X350	80	24	64	24
SDCFC10X240	100	30	80	30
SDCFC10X300	100	30	80	30
SDCFC10X380	100	30	80	30
SDCFC10X500	100	30	80	30
SDCFC10X600	100	30	80	30
SDCFC10X800	100	30	80	30
SDCFC10X1000	100	30	80	30

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