

Technical data sheet



SWC Structural Countersunk Wood Screw

SWC is a countersunk structural screw designed for load-bearing wood structures. The SWC screw has a milling thread to allow for smooth driving of the shank. The countersunk head gives flush fitting while allowing the wood members to close up firmly.

[Find it in the Solid Wood Application >](#)

Features

Features:

- No pre-drilling required
- High withdrawal resistance
- Milling thread allows smooth driving
- Countersunk head

Material

Steel - Electrogalvanised yellow zinc coating

Applications

Application:

- Wood to wood

advantage

The countersunk head with milling ribs on the underside of the head can be and flush with the surface of the wood, creating a harmonious appearance.

The cutting point design in combination with the reaming shank ensures efficient and smooth screwing with a simultaneous minimization of the insertion resistance and reducing the splitting effect.



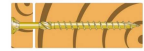
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Technical Data

Product dimensions



References	Item code	DB nr.	NOBB nr.	Fastener dimensions [mm]							Qty/box
				d	l	t _{fix}	d _h	d ₁	l _g	bit	
SWC6.0X200	75346	2055703	55838894	6	200	130	11.8	3.8	70	T-30	100
SWC6.0X220	75347	2055704	55838932		220	150	11.8	3.8	70	T-30	100
SWC6.0X240	75348	2055705	55838913		240	170	11.8	3.8	70	T-30	100
SWC6.0X260	75349	2055706	55838943		260	190	11.8	3.8	70	T-30	100
SWC6.0X280	75350	2055707	55838924		280	190	11.8	3.8	70	T-30	100
SWC6.0X300	75351	2055708	55838905		300	230	11.8	3.8	70	T-30	100
SWC8.0X80	75352	2055709	55836374	8	80	30	14.6	5.3	50	T-40	50
SWC8.0X100	75353	2055710	55836366		100	50	14.6	5.3	50	T-40	50
SWC8.0X120	75354	2055711	55836298		120	40	14.6	5.3	80	T-40	50
SWC8.0X140	75355	2055712	55836385		140	60	14.6	5.3	80	T-40	50
SWC8.0X160	75356	2055713	55836253		160	80	14.6	5.3	80	T-40	50
SWC8.0X180	75357	2055714	55836393		180	100	14.6	5.3	80	T-40	50
SWC8.0X200	75358	2055715	55836321		200	120	14.6	5.3	80	T-40	50
SWC8.0X220	75359	2055716	55836317		220	140	14.6	5.3	80	T-40	50
SWC8.0X240	75360	2055717	55836245		240	160	14.6	5.3	80	T-40	50
SWC8.0X260	75361	2055718	55836340		260	180	14.6	5.3	80	T-40	50
SWC8.0X280	75362	2055719	55836302		280	200	14.6	5.3	80	T-40	50
SWC8.0X300	75363	2055720	55836272		300	220	14.6	5.3	80	T-40	50
SWC8.0X320	75364	2055721	55836336		320	240	14.6	5.3	80	T-40	50
SWC8.0X340	75365	2055722	55836355		340	260	14.6	5.3	80	T-40	50
SWC8.0X360	75366	2055723	55836264		360	280	14.6	5.3	80	T-40	50
SWC8.0X380	75367	2055724	55836283		380	300	14.6	5.3	80	T-40	50
SWC8.0X400	75368	2055725	55836234	400	320	14.6	5.3	80	T-40	50	
SWC10.0X160	75369	2055726	55838803	10	160	80	17.8	6.3	80	T-40	25
SWC10.0X180	75370	2055727	55838818		180	100	17.8	6.3	80	T-40	25
SWC10.0X200	75371	2055728	55838822		200	120	17.8	6.3	80	T-40	25
SWC10.0X220	75372	2055729	55838837		220	140	17.8	6.3	80	T-40	25
SWC10.0X240	75373	2055730	55838765		240	160	17.8	6.3	80	T-40	25
SWC10.0X260	75374	2055731	55838841		260	180	17.8	6.3	80	T-40	25
SWC10.0X280	75375	2055732	55838856		280	200	17.8	6.3	80	T-40	25
SWC10.0X300	75376	2055733	55838773		300	220	17.8	6.3	80	T-40	25
SWC10.0X320	75377	2055734	55836226		320	240	17.8	6.3	80	T-40	25
SWC10.0X340	75378	2055735	55838784		340	260	17.8	6.3	80	T-40	25
SWC10.0X360	75379	2055736	55838860		360	280	17.8	6.3	80	T-40	25
SWC10.0X380	75380	2055737	55838875		380	300	17.8	6.3	80	T-40	25
SWC10.0X400	75381	2055738	55838792		400	320	17.8	6.3	80	T-40	25

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Product characteristic properties

References	Product characteristic properties					
	Characteristic Yield Moment – $M_{y,k}$ [$M_{y,k}$] [Nm]	Characteristic withdrawal parameter - $f_{ax,k,90^\circ}$ [$f_{ax,k,90^\circ}$] [N/mm ²]	Characteristic head pull-through parameter - $f_{head,k}$ [$f_{head,k}$] [N/mm ²]	Characteristic tensile capacity - $f_{tens,k}$ [$f_{tens,k}$] [kN]	Characteristic torsional strength - $f_{tor,k}$ [$f_{tor,k}$] [Nm]	Torsional ratio
SWC6.0X200	10.5	13	11.9	12.3	11	≥ 1,5
SWC6.0X220	10.5	13	11.9	12.3	11	≥ 1,5
SWC6.0X240	10.5	13	11.9	12.3	11	≥ 1,5
SWC6.0X260	10.5	13	11.9	12.3	11	≥ 1,5
SWC6.0X280	10.5	13	11.9	12.3	11	≥ 1,5
SWC6.0X300	10.5	13	11.9	12.3	11	≥ 1,5
SWC8.0X80	25.9	12.6	12.5	23.7	27.4	≥ 1,5
SWC8.0X100	25.9	12.6	12.5	23.7	27.4	≥ 1,5
SWC8.0X120	25.9	12.6	12.5	23.7	27.4	≥ 1,5
SWC8.0X140	25.9	12.6	12.5	23.7	27.4	≥ 1,5
SWC8.0X160	25.9	12.6	12.5	23.7	27.4	≥ 1,5
SWC8.0X180	25.9	12.6	12.5	23.7	27.4	≥ 1,5
SWC8.0X200	25.9	12.6	12.5	23.7	27.4	≥ 1,5
SWC8.0X220	25.9	12.6	12.5	23.7	27.4	≥ 1,5
SWC8.0X240	25.9	12.6	12.5	23.7	27.4	≥ 1,5
SWC8.0X260	25.9	12.6	12.5	23.7	27.4	≥ 1,5
SWC8.0X280	25.9	12.6	12.5	23.7	27.4	≥ 1,5
SWC8.0X300	25.9	12.6	12.5	23.7	27.4	≥ 1,5
SWC8.0X320	25.9	12.6	12.5	23.7	27.4	≥ 1,5
SWC8.0X340	25.9	12.6	12.5	23.7	27.4	≥ 1,5
SWC8.0X360	25.9	12.6	12.5	23.7	27.4	≥ 1,5
SWC8.0X380	25.9	12.6	12.5	23.7	27.4	≥ 1,5
SWC8.0X400	25.9	12.6	12.5	23.7	27.4	≥ 1,5
SWC10.0X160	43.7	12.2	11.2	33.8	48.9	≥ 1,5
SWC10.0X180	43.7	12.2	11.2	33.8	48.9	≥ 1,5
SWC10.0X200	43.7	12.2	11.2	33.8	48.9	≥ 1,5
SWC10.0X220	43.7	12.2	11.2	33.8	48.9	≥ 1,5
SWC10.0X240	43.7	12.2	11.2	33.8	48.9	≥ 1,5
SWC10.0X260	43.7	12.2	11.2	33.8	48.9	≥ 1,5
SWC10.0X280	43.7	12.2	11.2	33.8	48.9	≥ 1,5
SWC10.0X300	43.7	12.2	11.2	33.8	48.9	≥ 1,5
SWC10.0X320	43.7	12.2	11.2	33.8	48.9	≥ 1,5
SWC10.0X340	43.7	12.2	11.2	33.8	48.9	≥ 1,5
SWC10.0X360	43.7	12.2	11.2	33.8	48.9	≥ 1,5
SWC10.0X380	43.7	12.2	11.2	33.8	48.9	≥ 1,5
SWC10.0X400	43.7	12.2	11.2	33.8	48.9	≥ 1,5

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