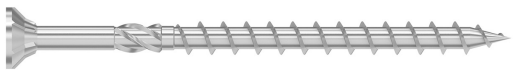
Technical Sheet

SWC
Structural Countersunk Wood Screw

SIMPSON Strong-Tie

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





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.

Technical Sheet

SWC
Structural Countersunk Wood Screw

SIMPSON Strong-Tie

Technical Data

Product dimensions

Reference	Fasteners Dimensions[mm]									
	Item Code	Other		Product Dimensions[mm]						
		Qty per box	Weight[kg]	d[mm]	l[mm]	tfix[mm]	dh[mm]	d1[mm]	Thread Length[mm]	Driver Bit[mm]
SWC6.0X200	75346	100.0	0.022	6	200	130	11.8	3.8	70	T-30
SWC6.0X220	75347	100.0	0.025	6	220	150	11.8	3.8	70	T-30
SWC6.0X240	75348	100.0	0.027	6	240	170	11.8	3.8	70	T-30
SWC6.0X300	75351	100.0	0.033	6	300	230	11.8	3.8	70	T-30
SWC8.0X80	75352	50.0	0.018	8	80	30	14.6	5.3	50	T-40
SWC8.0X100	75353	50.0	0.023	8	100	50	14.6	5.3	50	T-40
SWC8.0X120	75354	50.0	0.027	8	120	40	14.6	5.3	80	T-40
SWC8.0X140	75355	50.0	0.031	8	140	60	14.6	5.3	80	T-40
SWC8.0X160	75356	50.0	0.035	8	160	80	14.6	5.3	80	T-40
SWC8.0X180	75357	50.0	0.039	8	180	100	14.6	5.3	80	T-40
SWC8.0X200	75358	50.0	0.043	8	200	120	14.6	5.3	80	T-40
SWC8.0X220	75359	50.0	0.047	8	220	140	14.6	5.3	80	T-40
SWC8.0X240	75360	50.0	0.051	8	240	160	14.6	5.3	80	T-40
SWC8.0X260	75361	50.0	0.055	8	260	180	14.6	5.3	80	T-40
SWC8.0X280	75362	50.0	0.06	8	280	200	14.6	5.3	80	T-40
SWC8.0X300	75363	50.0	0.064	8	300	220	14.6	5.3	80	T-40
SWC8.0X320	75364	50.0	0.068	8	320	240	14.6	5.3	80	T-40
SWC8.0X380	75367	50.0	0.08	8	380	300	14.6	5.3	80	T-40
SWC8.0X400	75368	50.0	0.084	8	400	320	14.6	5.3	80	T-40
SWC10.0X180	75370	25.0	0.058	10	180	100	17.8	6.3	80	T-40
SWC10.0X200	75371	25.0	0.064	10	200	120	17.8	6.3	80	T-40
SWC10.0X220	75372	25.0	0.07	10	220	140	17.8	6.3	80	T-40
SWC10.0X240	75373	25.0	0.076	10	240	160	17.8	6.3	80	T-40
SWC10.0X260	75374	25.0	0.082	10	260	180	17.8	6.3	80	T-40
SWC10.0X300	75376	25.0	0.094	10	300	220	17.8	6.3	80	T-40
SWC10.0X340	75378	25.0	0.11	10	340	260	17.8	6.3	80	T-40
SWC10.0X400	75381	25.0	0.12	10	400	320	17.8	6.3	80	T-40

Technical Sheet

SWC
Structural Countersunk Wood Screw

Product characteristic properties

Reference	Screw Parameters					
	Characteristic parameters					
	Characteristic Yield Moment – $M_{y,k}$[Nm]	Characteristic withdrawal parameter - $f_{ax,k,90°}$ [N/mm²]	Characteristic head pull-through parameter - $f_{head,k}$[N/mm²]	Characteristic tensile capacity - $f_{tens,k}$[kN]	Characteristic torsional strength - $f_{tor,k}$[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
SWC6.0X300	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
SWC8.0X380	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
SWC10.0X180	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
SWC10.0X300	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
SWC10.0X400	43.7	12.2	11.2	33.8	48.9	≥ 1,5

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