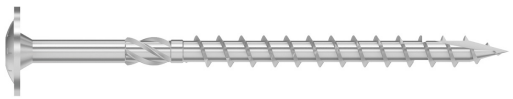
Technical Sheet

SWW

SWW Structural Washer Head Wood Screw

SWW is a washer head structural screw designed for load-bearing wood structures. The SWW screw has a milling thread to allow for smooth driving of the shank. The large washer head gives high head pull-through resistance while allowing the wood members to close up firmly.





Features

Features:

- No pre-drilling required
- Washer Head creates high pull through resistance
- Milling thread (Reamer) allows smooth driving & reduces installation torque
- Washer head
- Type 17 point

Material

- Steel - Electrogalvanised yellow zinc coating
- Zinc Coating thickness >5um

Applications

Applications

- Wood to wood
- Connects 2 or more timbers together

advantage

The pan head enlarges the contact surface and ensures a higher
ensures a higher head pull-through resistance as well as a greater
load transmission.
The cutting tip design in conjunction with the reaming shank
efficient and smooth screwing with simultaneous minimization of the
minimizing the insertion resistance and reducing the splitting effect.

Technical Sheet

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SWW Structural Washer Head 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]	Ah[mm]	ht[mm]	Thread Length[mm]	lp[mm]	Driver Bit[mm]
SWW6.0X60	75382	50.0	0.009	6	60	20	14	3.8	-	-	42	-	T-30
SWW6.0X80	75383	50.0	0.012	6	80	30	14	3.8	-	-	50	-	T-30
SWW6.0X100	75384	50.0	0.013	6	100	30	14	3.8	-	-	70	-	T-30
SWW6.0X120	75385	50.0	0.016	6	120	60	14	3.8	-	-	70	-	T-30
SWW6.0X140	75386	50.0	0.018	6	140	70	14	3.8	-	-	70	-	T-30
SWW6.0X160	75387	50.0	0.02	6	160	90	14	3.8	-	-	70	-	T-30
SWW6.0X180	75388	50.0	0.022	6	180	110	14	3.8	-	-	70	-	T-30
SWW6.0X200	75389	50.0	0.025	6	200	130	14	3.8	-	-	70	-	T-30
SWW6.0X220	75390	50.0	0.027	6	220	150	14	3.8	-	-	70	-	T-30
SWW6.0X240	75391	50.0	0.029	6	240	170	14	3.8	-	-	70	-	T-30
SWW8.0X80	75395	50.0	0.022	8	80	30	22.2	5.3	-	-	50	-	T-40
SWW8.0X100	75396	50.0	0.026	8	100	50	22.2	5.3	-	-	50	-	T-40
SWW8.0X120	75397	50.0	0.03	8	120	40	22.2	5.3	-	-	80	-	T-40
SWW8.0X140	75398	50.0	0.034	8	140	60	22.2	5.3	-	-	80	-	T-40
SWW8.0X160	75399	50.0	0.038	8	160	80	22.2	5.3	-	-	80	-	T-40
SWW8.0X180	75400	50.0	0.042	8	180	100	22.2	5.3	-	-	80	-	T-40
SWW8.0X200	75401	50.0	0.046	8	200	120	22.2	5.3	-	-	80	-	T-40
SWW8.0X220	75402	50.0	0.05	8	220	140	22.2	5.3	-	-	80	-	T-40
SWW8.0X240	75403	50.0	0.055	8	240	160	22.2	5.3	-	-	80	-	T-40
SWW8.0X260	75404	50.0	0.059	8	260	180	22.2	5.3	-	-	80	-	T-40
SWW8.0X280	75405	50.0	0.063	8	280	200	22.2	5.3	-	-	80	-	T-40
SWW8.0X300	75406	50.0	0.067	8	300	220	22.2	5.3	-	-	80	-	T-40
SWW8.0X320	75407	50.0	0.071	8	320	240	22.2	5.3	-	-	80	-	T-40
SWW8.0X340	75408	50.0	0.075	8	340	260	22.2	5.3	-	-	80	-	T-40
SWW8.0X360	75409	50.0	0.079	8	360	280	22.2	5.3	-	-	80	-	T-40
SWW8.0X400	75411	50.0	0.088	8	400	320	22.2	5.3	-	-	80	-	T-40
SWW10.0X120	76913	25.0	0.044	10	120	70	25.9	6.3	-	-	50	-	T-40
SWW10.0X140	76914	25.0	0.05	10	140	60	25.9	6.3	-	-	80	-	T-40
SWW10.0X160	75412	25.0	0.056	10	160	80	25.9	6.3	-	-	80	-	T-40
SWW10.0X180	75413	25.0	0.062	10	180	100	25.9	6.3	-	-	80	-	T-40
SWW10.0X200	75414	25.0	0.068	10	200	120	25.9	6.3	-	-	80	-	T-40
SWW10.0X220	75415	25.0	0.074	10	220	140	25.9	6.3	-	-	80	-	T-40
SWW10.0X240	75416	25.0	0.08	10	240	160	25.9	6.3	-	-	80	-	T-40
SWW10.0X260	75417	25.0	0.086	10	260	180	25.9	6.3	-	-	80	-	T-40
SWW10.0X280	75418	25.0	0.092	10	280	200	25.9	6.3	-	-	80	-	T-40
SWW10.0X300	75419	25.0	0.098	10	300	220	25.9	6.3	-	-	80	-	T-40
SWW10.0X320	75420	25.0	0.1	10	320	240	25.9	6.3	-	-	80	-	T-40
SWW10.0X340	75421	25.0	0.11	10	340	260	25.9	6.3	-	-	80	-	T-40
SWW10.0X360	75422	25.0	0.12	10	360	280	25.9	6.3	-	-	80	-	T-40

Technical Sheet

SWW

SWW Structural Washer Head Wood Screw

SIMPSON Strong-Tie

PRODUCT CHARACTERISTICSS

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 - ftor,k[Nm]	Torsional ratio
SWW6.0X60	10.5	13	16.1	12.3	11	≥ 1,5
SWW6.0X80	10.5	13	16.1	12.3	11	≥ 1,5
SWW6.0X100	10.5	13	16.1	12.3	11	≥ 1,5
SWW6.0X120	10.5	13	16.1	12.3	11	≥ 1,5
SWW6.0X140	10.5	13	16.1	12.3	11	≥ 1,5
SWW6.0X160	10.5	13	16.1	12.3	11	≥ 1,5
SWW6.0X180	10.5	13	16.1	12.3	11	≥ 1,5
SWW6.0X200	10.5	13	16.1	12.3	11	≥ 1,5
SWW6.0X220	10.5	13	16.1	12.3	11	≥ 1,5
SWW6.0X240	10.5	13	16.1	12.3	11	≥ 1,5
SWW8.0X80	25.9	12.6	10.5	23.7	27.4	≥ 1,5
SWW8.0X100	25.9	12.6	10.5	23.7	27.4	≥ 1,5
SWW8.0X120	25.9	12.6	10.5	23.7	27.4	≥ 1,5
SWW8.0X140	25.9	12.6	10.5	23.7	27.4	≥ 1,5
SWW8.0X160	25.9	12.6	10.5	23.7	27.4	≥ 1,5
SWW8.0X180	25.9	12.6	10.5	23.7	27.4	≥ 1,5
SWW8.0X200	25.9	12.6	10.5	23.7	27.4	≥ 1,5
SWW8.0X220	25.9	12.6	10.5	23.7	27.4	≥ 1,5
SWW8.0X240	25.9	12.6	10.5	23.7	27.4	≥ 1,5
SWW8.0X260	25.9	12.6	10.5	23.7	27.4	≥ 1,5
SWW8.0X280	25.9	12.6	10.5	23.7	27.4	≥ 1,5
SWW8.0X300	25.9	12.6	10.5	23.7	27.4	≥ 1,5
SWW8.0X320	25.9	12.6	10.5	23.7	27.4	≥ 1,5
SWW8.0X340	25.9	12.6	10.5	23.7	27.4	≥ 1,5
SWW8.0X360	25.9	12.6	10.5	23.7	27.4	≥ 1,5
SWW8.0X400	25.9	12.6	10.5	23.7	27.4	≥ 1,5
SWW10.0X120	43.7	12.2	10.2	33.8	48.9	≥ 1,5
SWW10.0X140	43.7	12.2	10.2	33.8	48.9	≥ 1,5
SWW10.0X160	43.7	12.2	10.2	33.8	48.9	≥ 1,5
SWW10.0X180	43.7	12.2	10.2	33.8	48.9	≥ 1,5
SWW10.0X200	43.7	12.2	10.2	33.8	48.9	≥ 1,5
SWW10.0X220	43.7	12.2	10.2	33.8	48.9	≥ 1,5
SWW10.0X240	43.7	12.2	10.2	33.8	48.9	≥ 1,5
SWW10.0X260	43.7	12.2	10.2	33.8	48.9	≥ 1,5
SWW10.0X280	43.7	12.2	10.2	33.8	48.9	≥ 1,5
SWW10.0X300	43.7	12.2	10.2	33.8	48.9	≥ 1,5
SWW10.0X320	43.7	12.2	10.2	33.8	48.9	≥ 1,5
SWW10.0X340	43.7	12.2	10.2	33.8	48.9	≥ 1,5
SWW10.0X360	43.7	12.2	10.2	33.8	48.9	≥ 1,5

Technical Sheet

SWW
SWW Structural Washer Head Wood Screw

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