Technical Sheet

SWD

Structural Double Threaded Wood Screw

SIMPSON Strong-Tie

SWD is a construction screw designed to connect two timber members together. The small cap-style head and double thread creates a flexible, hidden assembly with high strength. The differentiated thread pitch creates a clamping effect, reducing the risk of gaps between the timber members.







Features

Material

Steel - Protec®+ coating

Features

- CE marked to EN14592
- Cap-style head
- Double threaded
- Chisel point

Applications

Common Applications

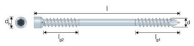
Timber to timber connections

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Technical Data



Product dimensions

Reference	Fasteners Dimensions[mm]									
	Item Code	Other		Product Dimensions[mm]						
		Qty per box	Stocked in UK	d[mm]	l[mm]	dh[mm]	d1[mm]	lg1[mm]	lg2[mm]	Driver Bit[mm]
SWD6.5X65	75425	50.0	Yes	6.5	65	8	4	28	21.5	T-30
SWD6.5X90	75426	50.0	Yes	6.5	90	8	4	40	33.5	T-30
SWD6.5X130	75427	50.0	Yes	6.5	130	8	4	40	33.5	T-30
SWD6.5X160	75428	50.0	Yes	6.5	160	8	4	65	58.5	T-30
SWD6.5X190	75429	50.0	Yes	6.5	190	8	4	80	73.5	T-30
SWD6.5X220	75430	50.0	Yes	6.5	220	10	4	95	88.5	T-30
SWD8.0X90	75431	50.0	Yes	7.8	90	10	5.4	40	31.5	T-40
SWD8.0X130	75432	50.0	Yes	7.8	130	10	5.4	40	31.5	T-40
SWD8.0X160	75433	50.0	Yes	7.8	160	10	5.4	65	56.5	T-40
SWD8.0X190	75434	50.0	Yes	7.8	190	10	5.4	80	71.5	T-40
SWD8.0X220	75435	50.0	Yes	7.8	220	10	5.4	95	86.5	T-40
SWD8.0X245	75436	50.0	Yes	7.8	245	10	5.4	107.5	99	T-40
SWD8.0X275	75437	50.0	Yes	7.8	275	10	5.4	107.5	99	T-40
SWD8.0X300	75438	50.0	Yes	7.8	300	10	5.4	135	126.5	T-40
SWD8.0X330	75439	50.0	Yes	7.8	330	10	5.4	135	126.5	T-40

Product characteristic properties

Reference	Screw Parameters					
	Characteristic parameters					
	Characteristic Yield Moment – My,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
SWD6.5X65	12.4	13.7	-	14.5	12.6	≥ 1,5
SWD6.5X90	12.4	13.7	-	14.5	12.6	≥ 1,5
SWD6.5X130	12.4	13.7	-	14.5	12.6	≥ 1,5
SWD6.5X160	12.4	13.7	-	14.5	12.6	≥ 1,5
SWD6.5X190	12.4	13.7	-	14.5	12.6	≥ 1,5
SWD6.5X220	12.4	13.7	-	14.5	12.6	≥ 1,5
SWD8.0X90	26.8	13.1	-	25.3	27.7	≥ 1,5
SWD8.0X130	26.8	13.1	-	25.3	27.7	≥ 1,5
SWD8.0X160	26.8	13.1	-	25.3	27.7	≥ 1,5
SWD8.0X190	26.8	13.1	-	25.3	27.7	≥ 1,5
SWD8.0X220	26.8	13.1	-	25.3	27.7	≥ 1,5
SWD8.0X245	26.8	13.1	-	25.3	27.7	≥ 1,5
SWD8.0X275	26.8	13.1	-	25.3	27.7	≥ 1,5
SWD8.0X300	26.8	13.1	-	25.3	27.7	≥ 1,5
SWD8.0X330	26.8	13.1	-	25.3	27.7	≥ 1,5

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