

WSV Wood Flooring Screw

The WSV is the new improved subfloor screw from Simpson Strong-Tie. The subfloor screws have been re-engineered to reduce driving force and increase installation speed. Less installation torque means reduced wear on tools. WSV screws have a sharp point with an aggressive variable thread resulting in faster, smoother installations. The deep T25 6-lobe recess provides improved control and greater bit life whilst the ribbed head design countersinks easily providing a clean, flush finish.

Features

Material

- Steel - electro galvanised coating

Features

- CE marked to EN14592
- Sharp point with aggressive variable thread
- Bit (TX25) included
- Ribbed, countersunk head

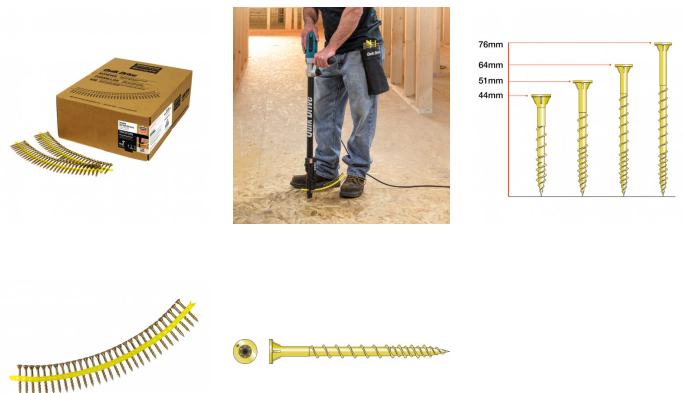
Applications

Header member

- Wood to wood applications

Common Applications

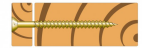
- Wood to wood applications
- Subfloor installation



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Technical Data

Dimensions



References	DB nr.	NOBB nr.	Fastener dimensions [mm]				Qty per Strip	Qty per Box	Recommended RPM	Quik Drive Attachment
			l	d	dh	lg				
WSV44E	2135433	57302193	44	4.6	8.5	31	30	2000	2500-4500	QDPRO64E / QDPRO76SKE
WSV51E	2135437	57302204	51		8.5	37	30	2000	2500-4500	QDPRO64E / QDPRO76SKE
WSV64E	2135439	57302212	64		8.5	50	30	1500	2500	QDPRO64E / QDPRO76SKE
WSV76E	2135440	-	76		8.5	55	30	1000	2500	QDPRO76SKE / QD76KE

Structural parameters - EN14592

References	Characteristic Yield Moment – $M_{y,k}$ [Nm]	Characteristic withdrawal parameter - $f_{ax,k,90^\circ}$ [N/mm ²]	Characteristic head pull-through parameter - $f_{head,k}$ [N/mm ²]	Characteristic tensile capacity - $f_{tens,k}$ [kN]	Characteristic torsional strength - $f_{tor,k}$ [Nm]	Torsional ratio
WSV44E	3.5	14.7	31.3	8.2	5.9	≥ 1,5
WSV51E	3.5	14.7	31.3	8.2	5.9	≥ 1,5
WSV64E	3.5	14.7	31.3	8.2	5.9	≥ 1,5
WSV76E	3.5	14.7	31.3	8.2	5.9	≥ 1,5

Panel to Timber Characteristic Capacities

References	Panel (OSB, Fibreboard $\rho_k \geq 380$ kg/m ³) on Timber C24 depending on panel thickness t_p														
	13 [mm]			15 [mm]			18 [mm]			22 [mm]			25 [mm]		
	$R_{ax,k.13}$ [kN]	$R_{v.0,k.13}$ [kN]	$R_{v.90,k.13}$ [kN]	$R_{ax,k.15}$ [kN]	$R_{v.0,k.15}$ [kN]	$R_{v.90,k.15}$ [kN]	$R_{ax,k.18}$ [kN]	$R_{v.0,k.18}$ [kN]	$R_{v.90,k.18}$ [kN]	$R_{ax,k.22}$ [kN]	$R_{v.0,k.22}$ [kN]	$R_{v.90,k.22}$ [kN]	$R_{ax,k.25}$ [kN]	$R_{v.0,k.25}$ [kN]	$R_{v.90,k.25}$ [kN]
WSV44E	2.03	1.27	1.27	-	0.83	0.83	-	0.93	0.93	-	0.93	0.93	-	0.85	0.85
WSV51E	2.42	1.37	1.37	2.42	1.43	1.43	2.23	1.49	1.49	-	1	1	-	1.01	1.01
WSV64E	2.42	1.37	1.37	2.42	1.43	1.43	2.42	1.53	1.53	2.42	1.61	1.61	-	1.01	1.01
WSV76E	2.42	1.37	1.37	2.42	1.43	1.43	2.42	1.53	1.53	2.42	1.61	1.61	2.42	1.61	1.61

Plywood to Timber Characteristic Capacities

References	Plywood ($\rho_k \geq 490$ kg/m ³) on Timber C24 depending on panel thickness t_p														
	10 [mm]			15 [mm]			18 [mm]			22 [mm]			25 [mm]		
	$R_{ax,k.10}$ [kN]	$R_{v.0,k.10}$ [kN]	$R_{v.90,k.10}$ [kN]	$R_{ax,k.15}$ [kN]	$R_{v.0,k.15}$ [kN]	$R_{v.90,k.15}$ [kN]	$R_{ax,k.18}$ [kN]	$R_{v.0,k.18}$ [kN]	$R_{v.90,k.18}$ [kN]	$R_{ax,k.22}$ [kN]	$R_{v.0,k.22}$ [kN]	$R_{v.90,k.22}$ [kN]	$R_{ax,k.25}$ [kN]	$R_{v.0,k.25}$ [kN]	$R_{v.90,k.25}$ [kN]
WSV44E	2.03	1.22	1.22	-	0.84	0.84	-	0.94	0.94	-	0.93	0.93	-	0.85	0.85
WSV51E	2.5	1.27	1.27	-	0.84	0.84	-	0.94	0.94	-	1	1	-	1	1
WSV64E	2.96	1.27	1.27	2.96	1.58	1.58	2.96	1.68	1.68	-	1	1	-	1	1
WSV76E	2.96	1.27	1.27	2.96	1.58	1.58	2.96	1.68	1.68	2.96	1.74	1.74	2.96	1.74	1.74

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