

## 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

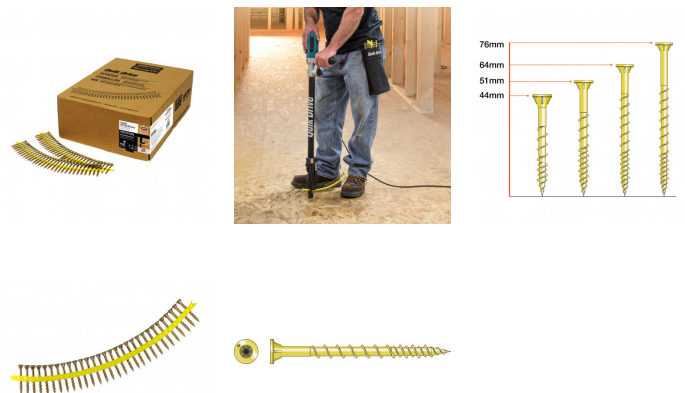
### Applications

#### Header member

- Wood to wood applications

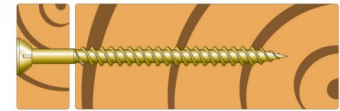
#### Common Applications

- Wood to wood applications
- Subfloor installation



## Technical Data

### Dimensions



References	Fastener dimensions [mm]				Qty per Strip	Qty per Box	Recommended RPM	Quik Drive Attachment	Weight [kg]
	l	d	d <sub>h</sub>	l <sub>g</sub>					
WSV44E	44	4.6	8.5	31	30	2000	2500-4500	QDPR064E / QDPR076SKE	0.004
WSV51E	51		8.5	37	30	2000	2500-4500	QDPR064E / QDPR076SKE	0.004
WSV64E	64		8.5	50	30	1500	2500	QDPR064E / QDPR076SKE	0.005
WSV76E	76		8.5	55	30	1000	2500	QDPR076SKE / QD76KE	-

### Structural parameters - EN14592

References	Characteristic Yield Moment – $M_{y,k}$ [Nm]	Characteristic withdrawal parameter – $f_{ax,k,90^\circ}$ [N/mm <sup>2</sup> ]	Characteristic head pull-through parameter – $f_{head,k}$ [N/mm <sup>2</sup> ]	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 $\rho_k \geq 380 \text{ kg/m}^3$ ) 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 ( $\rho_k \geq 490 \text{ kg/m}^3$ ) 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

WSV  
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