

SSH Hexagon Head Connector Screw Impreg®+

SSH is used together with connectors where high load capability is required. The conical shape under the head ensures full contact with the connector, creating a firm assembly. The superior Impreg®+ coating makes the screw suitable for exterior use. The type 17 cut point prevents timber from splitting, and the milling thread and serrated thread reduce the insertion torque. SSH has both 6 lobe drive and a hexagonal head, enabling installation both with torx bits or hex wrench.

[Find it in the Solid Wood Application >](#)

Features

Material

- Steel - Impreg®+ coating

Features

- CE marked to EN14592
- Hex head with integrated 6 lobe drive
- 6.0 diameter screws feature a Hex-Washer head to ensure pull-through resistance
- Conical shape under the head for secure fit in connector holes
- No predrilling required
- Milling thread reduces insertion torque
- Type 17 point prevents splitting of timber

Applications

Assemblies

- Connectors to wood

Common Applications

- Fixing connectors to timber
- Suitable for outdoor applications



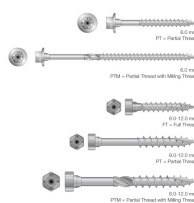
SSH6.0X40



SSH8.0X80



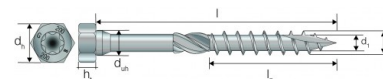
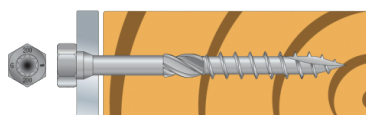
SSH10.0X60



SSH Hexagon Head Connector Screw Impreg®+

Technical Data

Product dimensions



References	Item code	Fastener dimensions [mm]							bit	Qty per blister	Qty per box	Stocked in UK
		d	l	d _h	h _t	d _{uh}	d ₁	l _g				
SSH6.0X40	75128	6	40	10	4.75	6.1	3.7	24	T-30	-	100	-
SSH6.0X50	75129		50	10	4.75	6.1	3.7	33	T-30	-	100	-
SSH6.0X60	75130		60	10	4.75	6.1	3.7	42	T-30	-	100	Yes
SSH6.0X90	75132		90	10	4.75	6.1	3.7	42	T-30	-	100	Yes
SSH6.0X120	75133		120	10	4.75	6.1	3.7	75	T-30	-	100	-
SSH8.0X40	75134	8	40	13	5.75	8.2	5.1	32	T-40	-	50	-
SSH8.0X60	75136		60	13	5.75	8.2	5.1	42	T-40	-	50	Yes
SSH8.0X90	75138		90	13	5.75	8.2	5.1	42	T-40	-	50	Yes
SSH8.0X120	75140		120	13	5.75	8.2	5.1	85	T-40	-	50	-
SSH8.0X140	75141		140	13	5.75	8.2	5.1	85	T-40	-	50	-
SSH8.0X160	75142		160	13	5.75	8.2	5.1	110	T-40	-	50	-
SSH8.0X180	75143		180	13	5.75	8.2	5.1	110	T-40	-	50	-
SSH8.0X280	75147		280	13	5.75	8.2	5.1	110	T-40	-	50	-
SSH10.0X40	75149	10	40	15	6	10.2	6.2	32	T-40	-	50	Yes
SSH10.0X80	75152		80	15	6	10.2	6.2	42	T-40	-	50	Yes
SSH10.0X100	75154		100	15	6	10.2	6.2	55	T-40	-	50	-
SSH10.0X120	75155		120	15	6	10.2	6.2	85	T-40	-	50	Yes
SSH10.0X160	75157		160	15	6	10.2	6.2	110	T-40	-	50	-
SSH10.0X180	75158		180	15	6	10.2	6.2	110	T-40	-	50	Yes
SSH10.0X240	75160		240	15	6	10.2	6.2	125	T-40	-	50	Yes
SSH12.0X60	75162	12	60	17	6.25	12.2	6.7	48	T-40	-	25	Yes
SSH12.0X80	75163		80	17	6.25	12.2	6.7	48	T-40	-	25	Yes
SSH12.0X90	75164		90	17	6.25	12.2	6.7	48	T-40	-	25	-
SSH12.0X100	75165		100	17	6.25	12.2	6.7	55	T-40	-	25	-
SSH12.0X120	75166		120	17	6.25	12.2	6.7	85	T-40	-	25	-
SSH12.0X140	75167		140	17	6.25	12.2	6.7	85	T-40	-	25	-
SSH12.0X160	75168		160	17	6.25	12.2	6.7	110	T-40	-	25	Yes
SSH12.0X180	75169		180	17	6.25	12.2	6.7	110	T-40	-	25	-

6.Ø diameter SHH screws feature a Hex-Washer head.

Technical data sheet

SIMPSON

Strong-Tie®

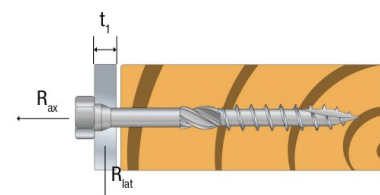
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Compatible products

References	Compatible brackets	Compatible hangers	Compatible post bases
SSH8.0X40	EBC	-	-
SSH8.0X60	EBC	-	-
SSH8.0X90	EBC	-	-
SSH8.0X120	EBC	-	-
SSH8.0X140	EBC	-	-
SSH8.0X160	EBC	-	-
SSH8.0X180	EBC	-	-
SSH8.0X280	EBC	-	-
SSH10.0X40	E5/1.5, E5/1.5/1.22/11, ABR100, ABR105	SBE, SAE(1), S45, S1030, S1530	-
SSH10.0X80	ABR105, E20/3	SBE, SAE(1), S45, S1030, S1530	PPA, PPRC, APB100/150, PBLR, PPSP
SSH10.0X100	-	SBE, SAE(1), S45, S1030, S1530	PPA, PPRC, APB100/150, PBLR, PPSP
SSH10.0X120	-	SBE, SAE(1), S45, S1030, S1530	PPA, PPRC, APB100/150, PBLR, PPSP
SSH10.0X160	-	SBE, SAE(1), S45, S1030, S1530	PPA, PPRC, APB100/150, PBLR, PPSP
SSH10.0X180	-	SBE, SAE(1), S45, S1030, S1530	PPA, PPRC, APB100/150, PBLR, PPSP
SSH10.0X240	-	SBE, SAE(1), S45, S1030, S1530	PPA, PPRC, APB100/150, PBLR, PPSP
SSH12.0X60	-	SAE(2), GLE, GSE, S45	PBP60/50
SSH12.0X80	AE116, AG922, ABR255, AKRX3L	SAE(2), GLE, GSE, S45	PBP60/50
SSH12.0X90	-	SAE(2), GLE, GSE, S45	PBP60/50
SSH12.0X100	-	SAE(2), GLE, GSE, S45	PBP60/50
SSH12.0X120	-	SAE(2), GLE, GSE, S45	PBP60/50
SSH12.0X140	-	SAE(2), GLE, GSE, S45	PBP60/50
SSH12.0X160	-	SAE(2), GLE, GSE, S45	PBP60/50
SSH12.0X180	-	SAE(2), GLE, GSE, S45	PBP60/50

$SAE^{(1)} = SAE200 \text{ and } SAE250$

$SAE^{(2)} = SAE300, SAE340, SAE380, SAE440 \text{ and } SAE500$



Characteristic properties

References	Product characteristic properties					
	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
SSH6.0	10.4	13.3	17.9	13.1	11	$\geq 1,5$
SSH8.0	25.3	13.9	19.5	24.1	26.4	$\geq 1,5$
SSH10.0	38.7	12.1	19.3	32.8	43	$\geq 1,5$
SSH12.0	52.3	12.2	18.8	40.4	62.4	$\geq 1,5$

SSH8.0x40 and SSH10.0x40 characteristic properties are available in compatible products datasheets with these screws (see above table).

SSH

Hexagon Head Connector Screw Impreg[®]+

Installation

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