

## 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.

### Features

#### Material

- Steel - Impreg®+ coating

#### Features

- CE marked to EN14592
- Hex head with integrated 6 lobe drive
- 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



SSH Screw



## SSH Hexagon Head Connector Screw Impreg®+

### Technical Data

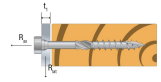
#### Product dimensions



References	Item code	Fastener dimensions [mm]							bit
		d	l	d <sub>h</sub>	h <sub>t</sub>	d <sub>uh</sub>	d <sub>1</sub>	l <sub>g</sub>	
SSH6.0X40	75128	6	40	10	4.75	6.1	3.7	23	T-30
SSH6.0X50	75129	6	50	10	4.75	6.1	3.7	33	T-30
SSH6.0X60	75130	6	60	10	4.75	6.1	3.7	42	T-30
SSH6.0X75	75131	6	75	10	4.75	6.1	3.7	42	T-30
SSH6.0X90	75132	6	90	10	4.75	6.1	3.7	42	T-30
SSH6.0X120	75133	6	120	10	4.75	6.1	3.7	75	T-30
SSH8.0X40	75134	8	40	13	5.75	8.2	5.1	32	T-40
SSH8.0X50	75135	8	50	13	5.75	8.2	5.1	42	T-40
SSH8.0X60	75136	8	60	13	5.75	8.2	5.1	42	T-40
SSH8.0X80	75137	8	80	13	5.75	8.2	5.1	42	T-40
SSH8.0X90	75138	8	90	13	5.75	8.2	5.1	42	T-40
SSH8.0X100	75139	8	100	13	5.75	8.2	5.1	55	T-40
SSH8.0X120	75140	8	120	13	5.75	8.2	5.1	85	T-40
SSH8.0X140	75141	8	140	13	5.75	8.2	5.1	85	T-40
SSH8.0X160	75142	8	160	13	5.75	8.2	5.1	110	T-40
SSH8.0X180	75143	8	180	13	5.75	8.2	5.1	110	T-40
SSH8.0X200	75144	8	200	13	5.75	8.2	5.1	110	T-40
SSH8.0X240	75145	8	240	13	5.75	8.2	5.1	110	T-40
SSH8.0X260	75146	8	260	13	5.75	8.2	5.1	110	T-40
SSH8.0X280	75147	8	280	13	5.75	8.2	5.1	110	T-40
SSH8.0X300	75148	8	300	13	5.75	8.2	5.1	110	T-40
SSH10.0X40	75149	10	40	15	6	10.2	6.2	32	T-40
SSH10.0X50	75150	10	50	15	6	10.2	6.2	42	T-40
SSH10.0X60	75151	10	60	15	6	10.2	6.2	42	T-40
SSH10.0X80	75152	10	80	15	6	10.2	6.2	42	T-40
SSH10.0X90	75153	10	90	15	6	10.2	6.2	42	T-40
SSH10.0X100	75154	10	100	15	6	10.2	6.2	55	T-40
SSH10.0X120	75155	10	120	15	6	10.2	6.2	85	T-40
SSH10.0X140	75156	10	140	15	6	10.2	6.2	85	T-40
SSH10.0X160	75157	10	160	15	6	10.2	6.2	110	T-40
SSH10.0X180	75158	10	180	15	6	10.2	6.2	110	T-40
SSH10.0X200	75159	10	200	15	6	10.2	6.2	110	T-40
SSH10.0X240	75160	10	240	15	6	10.2	6.2	125	T-40
SSH10.0X280	75161	10	280	15	6	10.2	6.2	125	T-40
SSH12.0X60	75162	12	60	17	6.25	12.2	6.7	48	T-40
SSH12.0X80	75163	12	80	17	6.25	12.2	6.7	48	T-40
SSH12.0X90	75164	12	90	17	6.25	12.2	6.7	48	T-40
SSH12.0X100	75165	12	100	17	6.25	12.2	6.7	55	T-40
SSH12.0X120	75166	12	120	17	6.25	12.2	6.7	85	T-40
SSH12.0X140	75167	12	140	17	6.25	12.2	6.7	85	T-40
SSH12.0X160	75168	12	160	17	6.25	12.2	6.7	110	T-40
SSH12.0X180	75169	12	180	17	6.25	12.2	6.7	110	T-40
SSH12.0X200	75170	12	200	17	6.25	12.2	6.7	110	T-40

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### Characteristic properties



References	Product characteristic properties					
	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
SSH6.0X40	10.4	13.3	17.9	13.1	11	≥ 1,5
SSH6.0X50	10.4	13.3	17.9	13.1	11	≥ 1,5
SSH6.0X60	10.4	13.3	17.9	13.1	11	≥ 1,5
SSH6.0X75	10.4	13.3	17.9	13.1	11	≥ 1,5
SSH6.0X90	10.4	13.3	17.9	13.1	11	≥ 1,5
SSH6.0X120	10.4	13.3	17.9	13.1	11	≥ 1,5
SSH8.0X40	25.3	13.9	19.5	24.1	26.4	≥ 1,5
SSH8.0X50	25.3	13.9	19.5	24.1	26.4	≥ 1,5
SSH8.0X60	25.3	13.9	19.5	24.1	26.4	≥ 1,5
SSH8.0X80	25.3	13.9	19.5	24.1	26.4	≥ 1,5
SSH8.0X90	25.3	13.9	19.5	24.1	26.4	≥ 1,5
SSH8.0X100	25.3	13.9	19.5	24.1	26.4	≥ 1,5
SSH8.0X120	25.3	13.9	19.5	24.1	26.4	≥ 1,5
SSH8.0X140	25.3	13.9	19.5	24.1	26.4	≥ 1,5
SSH8.0X160	25.3	13.9	19.5	24.1	26.4	≥ 1,5
SSH8.0X180	25.3	13.9	19.5	24.1	26.4	≥ 1,5
SSH8.0X200	25.3	13.9	19.5	24.1	26.4	≥ 1,5
SSH8.0X240	25.3	13.9	19.5	24.1	26.4	≥ 1,5
SSH8.0X260	25.3	13.9	19.5	24.1	26.4	≥ 1,5
SSH8.0X280	25.3	13.9	19.5	24.1	26.4	≥ 1,5
SSH8.0X300	25.3	13.9	19.5	24.1	26.4	≥ 1,5
SSH10.0X40	38.7	12.1	19.3	32.8	43	≥ 1,5
SSH10.0X50	38.7	12.1	19.3	32.8	43	≥ 1,5
SSH10.0X60	38.7	12.1	19.3	32.8	43	≥ 1,5
SSH10.0X80	38.7	12.1	19.3	32.8	43	≥ 1,5
SSH10.0X90	38.7	12.1	19.3	32.8	43	≥ 1,5
SSH10.0X100	38.7	12.1	19.3	32.8	43	≥ 1,5
SSH10.0X120	38.7	12.1	19.3	32.8	43	≥ 1,5
SSH10.0X140	38.7	12.1	19.3	32.8	43	≥ 1,5
SSH10.0X160	38.7	12.1	19.3	32.8	43	≥ 1,5
SSH10.0X180	38.7	12.1	19.3	32.8	43	≥ 1,5
SSH10.0X200	38.7	12.1	19.3	32.8	43	≥ 1,5
SSH10.0X240	38.7	12.1	19.3	32.8	43	≥ 1,5
SSH10.0X280	38.7	12.1	19.3	32.8	43	≥ 1,5
SSH12.0X60	52.3	12.2	18.8	40.4	62.4	≥ 1,5
SSH12.0X80	52.3	12.2	18.8	40.4	62.4	≥ 1,5
SSH12.0X90	52.3	12.2	18.8	40.4	62.4	≥ 1,5
SSH12.0X100	52.3	12.2	18.8	40.4	62.4	≥ 1,5
SSH12.0X120	52.3	12.2	18.8	40.4	62.4	≥ 1,5
SSH12.0X140	52.3	12.2	18.8	40.4	62.4	≥ 1,5

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

# Technical data sheet

**SIMPSON**

**Strong-Tie**

SSH

**Hexagon Head Connector Screw Impreg®+**

References	Product characteristic properties					
	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
SSH12.0X160	52.3	12.2	18.8	40.4	62.4	≥ 1,5
SSH12.0X180	52.3	12.2	18.8	40.4	62.4	≥ 1,5
SSH12.0X200	52.3	12.2	18.8	40.4	62.4	≥ 1,5

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

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## Installation

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