



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.

[UK-DoP-h17/0015](#)

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

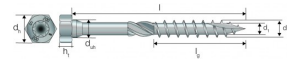
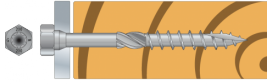
- Connectors to wood

Common Applications

- Fixing connectors to timber
- Suitable for outdoor applications

TECHNICAL DATA

Product dimensions



References	Item code	Fastener dimensions [mm]								Box Quantity	Stocked in UK
		d	l	d _h	h _t	d _{uh}	d ₁	l _g	bit		
SSH6.0X40	75128	6	40	10	4.75	6.1	3.7	23	T-30	100	-
SSH6.0X50	75129	6	50	10	4.75	6.1	3.7	33	T-30	100	-
SSH6.0X60	75130	6	60	10	4.75	6.1	3.7	42	T-30	100	Yes
SSH6.0X75	75131	6	75	10	4.75	6.1	3.7	42	T-30	100	-
SSH6.0X90	75132	6	90	10	4.75	6.1	3.7	42	T-30	100	Yes
SSH6.0X120	75133	6	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	-
SSH8.0X50	75135	8	50	13	5.75	8.2	5.1	42	T-40	50	-
SSH8.0X60	75136	8	60	13	5.75	8.2	5.1	42	T-40	50	Yes
SSH8.0X80	75137	8	80	13	5.75	8.2	5.1	42	T-40	50	-
SSH8.0X90	75138	8	90	13	5.75	8.2	5.1	42	T-40	50	Yes
SSH8.0X100	75139	8	100	13	5.75	8.2	5.1	55	T-40	50	-
SSH8.0X120	75140	8	120	13	5.75	8.2	5.1	85	T-40	50	-
SSH8.0X140	75141	8	140	13	5.75	8.2	5.1	85	T-40	50	-
SSH8.0X160	75142	8	160	13	5.75	8.2	5.1	110	T-40	50	-
SSH8.0X180	75143	8	180	13	5.75	8.2	5.1	110	T-40	50	-
SSH8.0X200	75144	8	200	13	5.75	8.2	5.1	110	T-40	50	-
SSH8.0X240	75145	8	240	13	5.75	8.2	5.1	110	T-40	50	-
SSH8.0X260	75146	8	260	13	5.75	8.2	5.1	110	T-40	50	-
SSH8.0X280	75147	8	280	13	5.75	8.2	5.1	110	T-40	50	-
SSH8.0X300	75148	8	300	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
SSH10.0X50	75150	10	50	15	6	10.2	6.2	42	T-40	50	-
SSH10.0X60	75151	10	60	15	6	10.2	6.2	42	T-40	50	-
SSH10.0X80	75152	10	80	15	6	10.2	6.2	42	T-40	50	Yes
SSH10.0X90	75153	10	90	15	6	10.2	6.2	42	T-40	50	-
SSH10.0X100	75154	10	100	15	6	10.2	6.2	55	T-40	50	-
SSH10.0X120	75155	10	120	15	6	10.2	6.2	85	T-40	50	Yes
SSH10.0X140	75156	10	140	15	6	10.2	6.2	85	T-40	50	-
SSH10.0X160	75157	10	160	15	6	10.2	6.2	110	T-40	50	-
SSH10.0X180	75158	10	180	15	6	10.2	6.2	110	T-40	50	Yes
SSH10.0X200	75159	10	200	15	6	10.2	6.2	110	T-40	50	-
SSH10.0X240	75160	10	240	15	6	10.2	6.2	125	T-40	50	Yes
SSH10.0X280	75161	10	280	15	6	10.2	6.2	125	T-40	50	-
SSH12.0X60	75162	12	60	17	6.25	12.2	6.7	48	T-40	25	Yes
SSH12.0X80	75163	12	80	17	6.25	12.2	6.7	48	T-40	25	Yes
SSH12.0X90	75164	12	90	17	6.25	12.2	6.7	48	T-40	25	-
SSH12.0X100	75165	12	100	17	6.25	12.2	6.7	55	T-40	25	-
SSH12.0X120	75166	12	120	17	6.25	12.2	6.7	85	T-40	25	-
SSH12.0X140	75167	12	140	17	6.25	12.2	6.7	85	T-40	25	-
SSH12.0X160	75168	12	160	17	6.25	12.2	6.7	110	T-40	25	Yes
SSH12.0X180	75169	12	180	17	6.25	12.2	6.7	110	T-40	25	-
SSH12.0X200	75170	12	200	17	6.25	12.2	6.7	110	T-40	25	-

Compatible products

Winchester Road Cardinal Point Tamworth Staffordshire B78 3HG
tel: +44 1827 255600 / fax: +44 1827 255616

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SSH - Hexagon Head Connector Screw
Impreg®+

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2020-08-04

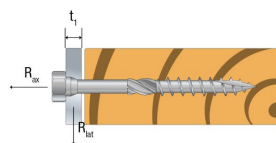
www.strongtie.co.uk

References	Compatible brackets	Compatible hangers	Compatible post bases
SSH6.0X40	-	-	-
SSH6.0X50	-	-	-
SSH6.0X60	-	-	-
SSH6.0X75	-	-	-
SSH6.0X90	-	-	-
SSH6.0X120	-	-	-
SSH8.0X40	EBC	-	-
SSH8.0X50	-	-	-
SSH8.0X60	-	-	-
SSH8.0X80	-	-	-
SSH8.0X90	-	-	-
SSH8.0X100	-	-	-
SSH8.0X120	-	-	-
SSH8.0X140	-	-	-
SSH8.0X160	-	-	-
SSH8.0X180	-	-	-
SSH8.0X200	-	-	-
SSH8.0X240	-	-	-
SSH8.0X260	-	-	-
SSH8.0X280	-	-	-
SSH8.0X300	-	-	-
SSH10.0X40	E5/1.5, E5/1.5/1.22/11, ABR100, ABR105	SBE, SAE(1), S45, S1030, S1530	-
SSH10.0X50	-	SBE, SAE(1), S45, S1030, S1530	-
SSH10.0X60	-	SBE, SAE(1), S45, S1030, S1530	-
SSH10.0X80	ABR105, E20/3	SBE, SAE(1), S45, S1030, S1530	PPA, PPRC, APB100/150, PBLR, PPSP
SSH10.0X90	-	SBE, SAE(1), S45, S1030, S1530	-
SSH10.0X100	-	SBE, SAE(1), S45, S1030, S1530	-
SSH10.0X120	-	SBE, SAE(1), S45, S1030, S1530	-
SSH10.0X140	-	SBE, SAE(1), S45, S1030, S1530	-
SSH10.0X160	-	SBE, SAE(1), S45, S1030, S1530	-
SSH10.0X180	-	SBE, SAE(1), S45, S1030, S1530	-
SSH10.0X200	-	SBE, SAE(1), S45, S1030, S1530	-
SSH10.0X240	-	SBE, SAE(1), S45, S1030, S1530	-
SSH10.0X280	-	SBE, SAE(1), S45, S1030, S1530	-
SSH12.0X60	-	SAE(2), GLE, GSE, S45	PBP
SSH12.0X80	AE116, AG922, ABR255, AKRX3L	SAE(2), GLE, GSE, S45	-
SSH12.0X90	-	SAE(2), GLE, GSE, S45	-
SSH12.0X100	-	SAE(2), GLE, GSE, S45	-
SSH12.0X120	-	SAE(2), GLE, GSE, S45	-
SSH12.0X140	-	SAE(2), GLE, GSE, S45	-
SSH12.0X160	-	SAE(2), GLE, GSE, S45	-
SSH12.0X180	-	SAE(2), GLE, GSE, S45	-
SSH12.0X200	-	SAE(2), GLE, GSE, S45	-

SAE⁽¹⁾ = SAE200 and SAE250

SAE⁽²⁾ = SAE300, SAE340, SAE380, SAE440 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]	Torsional ratio
SSH6.0X40	12.4	16.9	31.8	12.8	2.5
SSH6.0X50	12.4	16.9	31.8	12.8	2.5
SSH6.0X60	12.4	16.9	31.8	12.8	2.5
SSH6.0X75	12.4	16.9	31.8	12.8	2.5
SSH6.0X90	12.4	16.9	31.8	12.8	2.5
SSH6.0X120	12.4	16.9	31.8	12.8	2.5
SSH8.0X40	29.4	15.6	22	23.2	3.1
SSH8.0X50	29.4	15.6	22	23.2	3.1
SSH8.0X60	29.4	15.6	22	23.2	3.1
SSH8.0X80	29.4	15.6	22	23.2	3.1
SSH8.0X90	29.4	15.6	22	23.2	3.1
SSH8.0X100	29.4	15.6	22	23.2	3.1
SSH8.0X120	29.4	15.6	22	23.2	3.1
SSH8.0X140	29.4	15.6	22	23.2	3.1
SSH8.0X160	29.4	15.6	22	23.2	3.1
SSH8.0X180	29.4	15.6	22	23.2	3.1
SSH8.0X200	29.4	15.6	22	23.2	3.1
SSH8.0X240	29.4	15.6	22	23.2	3.1
SSH8.0X260	29.4	15.6	22	23.2	3.1
SSH8.0X280	29.4	15.6	22	23.2	3.1
SSH8.0X300	29.4	15.6	22	23.2	3.1
SSH10.0X40	50.3	13.2	20.1	32	3.4
SSH10.0X50	50.3	13.2	20.1	32	3.4
SSH10.0X60	50.3	13.2	20.1	32	3.4
SSH10.0X80	50.3	13.2	20.1	32	3.4
SSH10.0X90	50.3	13.2	20.1	32	3.4
SSH10.0X100	50.3	13.2	20.1	32	3.4
SSH10.0X120	50.3	13.2	20.1	32	3.4
SSH10.0X140	50.3	13.2	20.1	32	3.4
SSH10.0X160	50.3	13.2	20.1	32	3.4
SSH10.0X180	50.3	13.2	20.1	32	3.4
SSH10.0X200	50.3	13.2	20.1	32	3.4
SSH10.0X240	50.3	13.2	20.1	32	3.4
SSH10.0X280	50.3	13.2	20.1	32	3.4
SSH12.0X60	67.1	12.1	18.5	39.6	3
SSH12.0X80	67.1	12.1	18.5	39.6	3
SSH12.0X90	67.1	12.1	18.5	39.6	3
SSH12.0X100	67.1	12.1	18.5	39.6	3
SSH12.0X120	67.1	12.1	18.5	39.6	3
SSH12.0X140	67.1	12.1	18.5	39.6	3
SSH12.0X160	67.1	12.1	18.5	39.6	3
SSH12.0X180	67.1	12.1	18.5	39.6	3
SSH12.0X200	67.1	12.1	18.5	39.6	3

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

ABACUSES

INSTALLATION