Technical Sheet

SSH

Hexagon Head Connector Screw Impreg®+

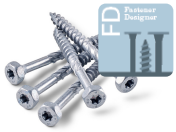
SSH is used together with connectors where high load capability is required. The conical shape under the head ensures full contact with the connector, creating a firm assembly. The superior Impreg®+ coating makes the screw suitable for exterior use. The type 17 cut point prevents timber from splitting, 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.







SSH6.0X40



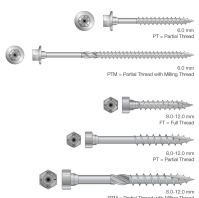
SSH8.0X80



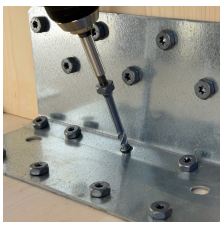
SSH10.0X60











Features

Material

- Steel - Impreg®+ coating

Features

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

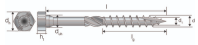
Common Applications

- Fixing connectors to timber
- Suitable for outdoor applications

Technical Sheet

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Technical Data



Product dimensions

Reference	Fasteners Dimensions										
	Other			Product Dimensions[mm]							
	Qty per blister	Qty/box	Stocked in UK	d[mm]	l[mm]	d_h[mm]	ht[mm]	duh[mm]	d_1[mm]	lg[mm]	bit[mm]
SSH6.0X40	-	100.0	-	6	40	10	4.75	6.1	3.7	24	T-30
SSH6.0X50	-	100.0	-	6	50	10	4.75	6.1	3.7	33	T-30
SSH6.0X60	-	100.0	Yes	6	60	10	4.75	6.1	3.7	42	T-30
SSH6.0X90	-	100.0	Yes	6	90	10	4.75	6.1	3.7	42	T-30
SSH6.0X120	-	100.0	-	6	120	10	4.75	6.1	3.7	75	T-30
SSH8.0X40	-	50.0	-	8	40	13	5.75	8.2	5.1	32	T-40
SSH8.0X60	-	50.0	Yes	8	60	13	5.75	8.2	5.1	42	T-40
SSH8.0X80	-	50.0	-	8	80	13	5.75	8.2	5.1	42	T-40
SSH8.0X90	-	50.0	Yes	8	90	13	5.75	8.2	5.1	42	T-40
SSH8.0X100	-	50.0	-	8	100	13	5.75	8.2	5.1	55	T-40
SSH8.0X120	-	50.0	-	8	120	13	5.75	8.2	5.1	85	T-40
SSH8.0X140	-	50.0	-	8	140	13	5.75	8.2	5.1	85	T-40
SSH8.0X160	-	50.0	-	8	160	13	5.75	8.2	5.1	110	T-40
SSH8.0X180	-	50.0	-	8	180	13	5.75	8.2	5.1	110	T-40
SSH8.0X280	-	50.0	-	8	280	13	5.75	8.2	5.1	110	T-40
SSH10.0X40	-	50.0	Yes	10	40	15	6	10.2	6.2	32	T-40
SSH10.0X50	-	50.0	-	10	50	15	6	10.2	6.2	42	T-40
SSH10.0X60	-	50.0	-	10	60	15	6	10.2	6.2	42	T-40
SSH10.0X80	-	50.0	Yes	10	80	15	6	10.2	6.2	42	T-40
SSH10.0X100	-	50.0	-	10	100	15	6	10.2	6.2	55	T-40
SSH10.0X120	-	50.0	Yes	10	120	15	6	10.2	6.2	85	T-40
SSH10.0X140	-	50.0	-	10	140	15	6	10.2	6.2	85	T-40
SSH10.0X160	-	50.0	-	10	160	15	6	10.2	6.2	110	T-40
SSH10.0X180	-	50.0	Yes	10	180	15	6	10.2	6.2	110	T-40
SSH10.0X240	-	50.0	Yes	10	240	15	6	10.2	6.2	125	T-40
SSH12.0X60	-	25.0	Yes	12	60	17	6.25	12.2	6.7	48	T-40
SSH12.0X80	-	25.0	Yes	12	80	17	6.25	12.2	6.7	48	T-40
SSH12.0X90	-	25.0	-	12	90	17	6.25	12.2	6.7	48	T-40
SSH12.0X100	-	25.0	-	12	100	17	6.25	12.2	6.7	55	T-40
SSH12.0X120	-	25.0	-	12	120	17	6.25	12.2	6.7	85	T-40
SSH12.0X140	-	25.0	-	12	140	17	6.25	12.2	6.7	85	T-40
SSH12.0X160	-	25.0	Yes	12	160	17	6.25	12.2	6.7	110	T-40
SSH12.0X180	-	25.0	-	12	180	17	6.25	12.2	6.7	110	T-40

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

Technical Sheet

SSH
Hexagon Head Connector Screw Impreg®+

Compatible products

Reference	Fasteners Dimensions		
	Other		
	Compatible brackets	Compatible hangers	Compatible post bases
SSH8.0X40	EBC	-	-
SSH8.0X60	EBC	-	-
SSH8.0X80	EBC	-	-
SSH8.0X90	EBC	-	-
SSH8.0X100	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	-
SSH10.0X50	-	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
SSH10.0X100	-	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
SSH10.0X140	-	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 and SAE250
SAE(2) = SAE300, SAE340, SAE380, SAE440 and SAE500

Technical Sheet

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Hexagon Head Connector Screw Impreg®+

SIMPSON Strong-Tie

Characteristic properties

Reference	Screw Parameters					
	Characteristic parameters					
	Characteristic Yield Moment My,k[Nm]	Characteristic Withdrawal Parameter fax,k,90°[N/mm²]	Characteristic Head Pull-Through Parameter fhead,k[N/mm²]	Characteristic Tensile Capacity ftens,k[kN]	Characteristic torsional strength - ftor,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
SSH6.0X90	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
SSH8.0X60	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
SSH8.0X280	25.3	13.9	19.5	24.1	26.4	≥ 1,5
SSH10.0X40	-	-	-	-	-	-
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
SSH10.0X100	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
SSH10.0X240	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
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
SSH6.0	10.4	13.3	17.9	13.1	11	≥ 1,5
SSH8.0	25.3	13.9	19.5	24.1	26.4	≥ 1,5
SSH10.0	38.7	12.1	19.3	32.8	43	≥ 1,5
SSH12.0	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 Sheet

SSH
Hexagon Head Connector Screw Impreg®+

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

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