

Technical data sheet

SIMPSON

Strong-Tie

STDG

Dowels for concealed connectors

The dowels complement concealed beam hangers ETNM, TU, TUB, TUBS and CBH. They are also used to fasten concealed post bases.

Features

Material

- Steel S235JR according to NF EN 10025: 1993.
- Zn12/A dichromate finish according to NF EN ISO 2081.

Benefits

- Made in various lengths

Applications

Suitable On

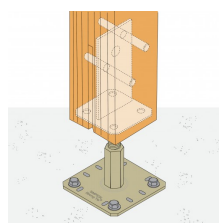
- Concealed beam hangers.
- Structural post bases.

When to Use

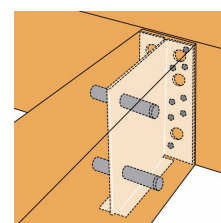
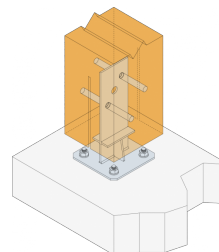
- Used for mounting of concealed beam hangers and structural post bases
- Used where incorporated steel plates are part of an assembly detail in timber

STD dowels complement the following products:

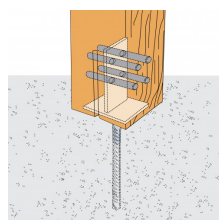
- PI, PIL, BTN, PIS, PISB, PVI, PVIB



Fixation 2 broches



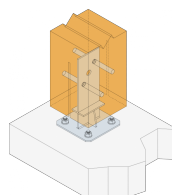
Joist connection



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Technical Data



Product Dimensions

References	Tun / DB nr.	NOB nr.	Fastener dimensions [mm]		Box Quantity	Weight [kg]
			d	l		
STD8X45G-B	1252316	43811055	8	45	100	0.017
STD8X80G-B	1252324	43811112	8	80	100	0.032
STD8X90G-B	1252327	43811138	8	90	100	0.036
STD8X100G-B	1252329	43810964	8	100	100	0.042
STD8X115G-B	1252332	43810983	8	115	100	0.046
STD8X120G-B	1252334	43811002	8	120	100	0.046
STD8X140G-B	1252354	43811021	8	140	100	0.056
STD12X90G-B	1252366	41720212	12	90	100	0.08
STD12X100G-B	1252367	43810756	12	100	100	0.091
STD12X120G-B	1252369	43810794	12	120	100	0.11
STD12X140G-B	1252371	43810824	12	140	100	0.12
STD16X100G-B	-	-	16	100	50	0.18

Product characteristic properties

References	Product characteristic properties
	Characteristic Yield Moment – $M_{y,k}$ [$M_{y,k}$] [Nm]
STD8X45G-B	22.7
STD8X80G-B	22.7
STD8X90G-B	22.7
STD8X100G-B	22.7
STD8X115G-B	22.7
STD8X120G-B	22.7
STD8X140G-B	22.7
STD12X90G-B	65.2
STD12X100G-B	65.2
STD12X120G-B	65.2
STD12X140G-B	65.2
STD16X100G-B	137.8

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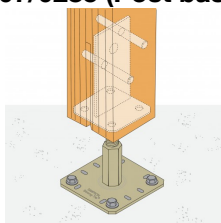
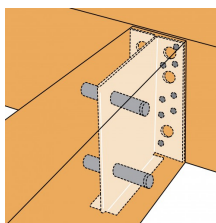
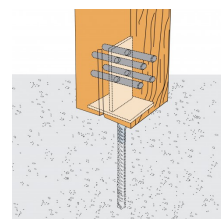
Dowels for concealed connectors

Installation

Installation

- The hole is pre-drilled with a diameter less than or equal to the nominal dowel diameter.
- Chamfers make it easier to insert the elements into the wood.

The dowels contribute to the load bearing capacity of our connectors. Please follow the installation recommendations given in our ETAs: ETA-07/0245 (Concealed beam hangers) and ETA-07/0285 (Post bases).

*Fixation 2 broches**Joist connection*

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