

Technical data sheet

BSS
BSS joist hanger

SIMPSON

Strong-Tie

Shoe with ribs, absorbs a higher lateral loads.

Features

Material

Steel quality:

S 250 GD + Z 275 according to DIN EN 10346

Corrosion protection:

275 g / m galvanized on both sides 20mm

Benefits

- **Special Dimensions ($W \times H + 2$) are possible only in the basic form.**
- **Boots are specially adapted for storing slanting roofs**

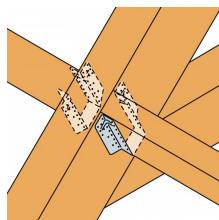
Applications

Applicatons

Wood, wood products

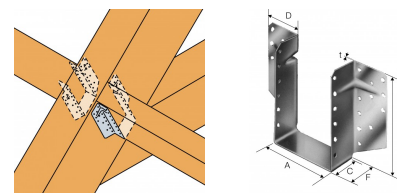
Scope

- **For connecting secondary beams of wood or wood materials into the main carrier / supports of wood / wood composite.**



BSS
BSS joist hanger

Technical Data



Product Dimensions

References	Tun / DB nr.	Joist Size				Product Dimensions [mm]						Header holes		Joist holes		NOB nr.	Weight [kg]
		Width		Height		A	B	C	D	F	t	Ø5 [mm]	Ø13 [mm]	Ø5 [mm]	Ø13 [mm]		
		Min	Max.	Min	Max.												
BSS60/90	-	58	60	100	135	60	90	48	58	50	2	16	-	8	-	-	0.3
BSS80/110	-	78	80	120	165	80	110	48	58	50	2	20	-	10	-	-	0.37
BSS80/130	-	78	80	140	195	80	130	48	58	50	2	22	-	12	-	-	0.44
BSS80/150	-	78	80	160	225	80	150	48	58	50	2	26	-	14	-	-	0.52
BSS100/130	-	98	100	140	195	100	130	48	58	50	2	22	-	12	-	-	0.45
BSS100/150	-	98	100	160	225	100	150	48	58	50	2	26	-	14	-	-	0.5
BSS100/170	-	98	100	180	255	100	170	48	58	50	2	28	-	16	-	-	0.59
BSS100/190	-	98	100	200	285	100	190	48	58	50	2	32	-	18	-	-	0.65
BSS120/170	-	118	120	180	255	120	170	48	58	50	2	28	-	16	-	-	0.59
BSS120/190	-	118	120	200	285	120	190	48	58	50	2	32	-	18	-	-	0.64
BSS120/210	-	118	120	220	315	120	210	48	58	50	2	34	-	20	-	-	0.71
BSS120/230	-	118	120	240	345	120	230	48	58	50	2	38	-	22	-	-	0.78
BSS140/150	-	138	140	160	225	140	150	48	58	50	2	26	-	14	-	-	0.59

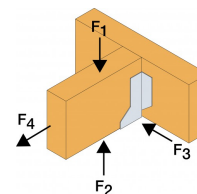
Technical data sheet

SIMPSON

Strong-Tie

BSS

BSS joist hanger



Wood/wood fastening- Characteristic values in kn

References	Characteristic capacities - Timber to timber											
	Number of Fasteners		Product characteristic capacities - Timber C24 [kN]									
	Header	Joist	R _{1,k}				R _{2,k}				R ₃	
	Qty	Qty	CNA4,0x35	CNA4,0x40	CNA4,0x50	CNA4,0x60	CNA4,0x35	CNA4,0x40	CNA4,0x50	CNA4,0x60	CNA4,0x35	CNA4,0x40
BSS60/90	16	8	6.8	8.2	-	-	6.5	7.8	-	-	4	4.8
BSS80/110	20	10	10.8	12.9	16.9	20.7	10.5	12.6	16.6	20.2	5.3	6.2
BSS80/130	22	12	14.3	17.1	22.2	26.8	12.3	14.7	19.3	23.5	6.1	7.2
BSS80/150	26	14	18.2	21.7	28.1	33.8	17.7	21.1	27.5	33	6.9	8.1
BSS100/130	22	12	13.9	16.6	21.6	26.1	12.3	14.7	19.3	23.5	6.5	7.7
BSS100/150	26	14	18.2	21.7	28.1	33.8	17.7	21.1	27.5	33	7.4	8.7
BSS100/170	28	16	22.2	26.3	34	40.4	19.9	23.7	30.8	36.9	8.2	9.6
BSS100/190	32	18	26.6	31.5	40.6	47.2	26.4	31.2	40	42.5	8.9	10.5
BSS120/170	28	16	22.2	26.3	34	40.4	19.9	23.7	30.8	36.9	8.6	10.2
BSS120/190	32	18	26.6	31.5	40.6	47.2	26.4	31.2	40	42.5	9.4	11.1
BSS120/210	34	20	31	36.4	46.7	51.9	29.6	35	44.4	47.2	10.2	12
BSS120/230	38	22	39.8	43.9	53.3	56.6	36.1	40.3	48.8	51.9	10.9	12.8
BSS140/150	26	14	18.2	21.7	28.1	33.8	17.7	21.1	27.5	33	7.9	9.4

Combined load:

$$\left(\frac{F_{1,d}}{R_{1,d}}\right)^2 + \left(\frac{F_{2,d}}{R_{2,d}}\right)^2 \leq 1$$

BSS
BSS joist hanger

Installation

Fasteners

- **CNA4,0 × L Nails**
- **CSA5,0 × L Screws**

BSS
BSS joist hanger

