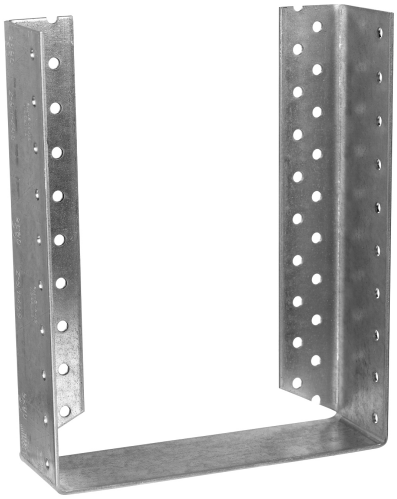
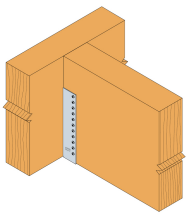
Technical Sheet

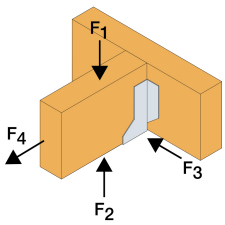
BSDI
BSDI joist hanger

These ceiling drapes are used to connect a secondary beam to the main support or assistance.









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

- **The BSD joist hangers (inner thighs) as nails and axle load allowed in full**
- **Connection to concrete, steel and masonry**
- **addition of standard dimensions is possible to produce different formats**

Applications

Applicable materials

Wood, wood products

Application area

- **are used to connect a secondary beam to the main support or support**

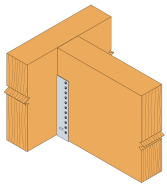
Specification width, may be freely from 50 to 250 mm.

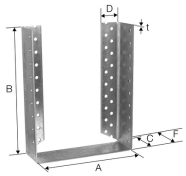
Technical Sheet

BSDI
BSDI joist hanger

SIMPSON Strong-Tie

Technical Data





Product Dimensions

Reference	Connector Dimensions													
	Timber size[mm]				Product Dimensions[mm]						Header holes	Joist holes	Other	
	Height		Width								Round	Round	Qty per Box	Weight[kg]
	Min[mm]	Max. [mm]	Min[mm]	Max. [mm]	A[mm]	B[mm]	C[mm]	D[mm]	F[mm]	t[mm]	Ø5[mm]	Ø5[mm]		
BSDI A/100	110	150	34	250	A	100	50	17.5 / 30*	52	2	16	8	-	-
BSDI A/120	130	180	34	250	A	120	50	17.5 / 30*	52	2	20	10	-	-
BSDI A/140	150	210	34	250	A	140	50	17.5 / 30*	52	2	24	12	-	-
BSDI A/160	170	240	34	250	A	160	50	17.5 / 30*	52	2	28	14	-	-
BSDI A/180	190	270	34	250	A	180	50	17.5 / 30*	52	2	32	16	-	-
BSDI A/200	210	300	34	250	A	200	50	17.5 / 30*	52	2	36	18	-	-
BSDI A/220	230	330	34	250	A	220	50	17.5 / 30*	52	2	40	20	-	-
BSDI A/240	250	360	34	250	A	240	50	17.5 / 30*	52	2	44	22	-	-
BSDI A/260	270	390	34	250	A	260	50	17.5 / 30*	52	2	48	24	-	-
BSDI A/280	290	420	34	250	A	280	50	17.5 / 30*	52	2	52	26	-	-
BSDI A/300	310	450	34	250	A	300	50	17.5 / 30*	52	2	56	28	-	-
BSDI A/320	330	480	34	250	A	320	50	17.5 / 30*	52	2	60	30	-	-

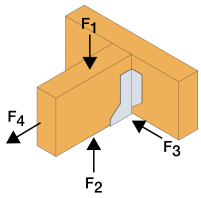
*When dimension A < 60 mm D = 17,5 mm , when dimension A > 60 mm D = 30 mm

Item code /dimensions

Height/width	80	100	120	140	160	180	200
100	BSDI80/100	BSDI100/100	BSDI120/100	BSDI140/100	BSDI160/100	BSDI180/100	BSDI200/100
120	BSDI80/120	BSDI100/120	BSDI120/120	BSDI140/120	BSDI160/120	BSDI180/120	BSDI200/120
140	BSDI80/140	BSDI100/140	BSDI120/140	BSDI140/140	BSDI160/140	BSDI180/140	BSDI200/140
160	BSDI80/160	BSDI100/160	BSDI120/160	BSDI140/160	BSDI160/160	BSDI180/160	BSDI200/160
180	BSDI80/180	BSDI100/180	BSDI120/180	BSDI140/180	BSDI160/180	BSDI180/180	BSDI200/180
200	BSDI80/200	BSDI100/200	BSDI120/200	BSDI140/200	BSDI160/200	BSDI180/200	BSDI200/200
220	BSDI80/220	BSDI100/220	BSDI120/220	BSDI140/220	BSDI160/220	BSDI180/220	BSDI200/220
240	BSDI80/240	BSDI100/240	BSDI120/240	BSDI140/240	BSDI160/240	BSDI180/240	BSDI200/240
260	BSDI80/260	BSDI100/260	BSDI120/260	BSDI140/260	BSDI160/260	BSDI180/260	BSDI200/260
280	BSDI80/280	BSDI100/280	BSDI120/280	BSDI140/280	BSDI160/280	BSDI180/280	BSDI200/280
300	BSDI80/300	BSDI100/300	BSDI120/300	BSDI140/300	BSDI160/300	BSDI180/300	BSDI200/300
320	BSDI80/320	BSDI100/320	BSDI120/320	BSDI140/320	BSDI160/320	BSDI180/320	BSDI200/320

Technical Sheet

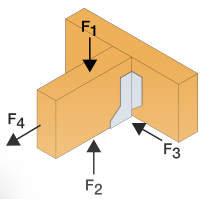
BSDI
BSDI joist hanger



Product Capacities

Reference	Hanger capacity									
	Characteristic capacities - Timber to timber - Full nailing		Product characteristic capacities - Timber C24[kN]							
	Number of Fasteners		$R_{1,k}$				$R_{2,k}$			
	Header	Joist	CNA4.0x35	CNA4.0x40	CNA4.0x50	CNA4.0x60	CNA4.0x35	CNA4.0x40	CNA4.0x50	CNA4.0x60
	Qty	Qty								
BSDI A/100	16.0	8	8.2	9.9	13	15.9	8.5	10.3	13.4	16.4
BSDI A/120	20.0	10	11.9	14.2	18.5	22.5	12.2	14.6	19.1	23.2
BSDI A/140	24.0	12	16	19.1	24.8	29.9	16.4	19.6	25.5	28.3
BSDI A/160	28.0	14	20.6	24.5	31.8	37.8	21.1	25.1	31.1	33.0
BSDI A/180	32.0	16	25.7	30.4	39.3	42.5	26.2	29.3	35.5	37.8
BSDI A/200	36.0	18	31.1	36.6	44.4	47.2	29.9	32.9	40	42.5
BSDI A/220	40.0	20	36.5	40.3	48.8	51.9	33.2	36.6	44.4	47.2
BSDI A/240	44.0	22	39.8	43.9	53.3	56.6	36.5	40.3	48.8	51.9
BSDI A/260	48.0	24	43.2	47.6	57.7	61.4	39.8	43.9	53.3	56.6
BSDI A/280	52.0	26	46.5	51.2	62.2	66.1	43.2	47.6	57.7	61.4
BSDI A/300	56.0	28	49.8	54.9	66.6	70.8	46.5	51.2	62.2	66.1
BSDI A/320	60.0	30	53.1	58.6	71	75.5	49.8	54.9	66.6	70.8

For heights in between choose lowest value.



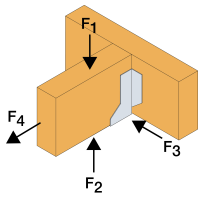
Product capacities - Timber to timber - Full nailing - F3 (lateral)

Product capacities - Timber to timber - Full nailing - F3 (lateral)
See full table online ➡️

Reference	Charact capaci Timbe timber naili	r capacity eristic capacities - Timb
	Number of Fasteners	$R_{3,k}$

Technical Sheet

BSDI
BSDI joist hanger



Product capacities - Timber to timber - Partial nailing

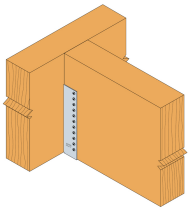
Reference	Hanger capacity									
	Characteristic capacities - Timber to timber - Partial nailing -									
	Number of Fasteners		Product characteristic capacities - Timber C24[kN]							
	Header	Joist	$R_{1,k}$				$R_{2,k}$			
	Qty	Qty	CNA4.0x35	CNA4,0x40	CNA4.0x50	CNA4,0x60	CNA4.0x35	CNA4,0x40	CNA4.0x50	CNA4,0x60
BSDI A/100	8.0	4.0	5.3	6.3	8.2	9.9	4.1	4.9	6.5	7.9
BSDI A/120	10.0	6.0	7.1	8.4	10.9	13.1	5.9	7.1	9.3	11.2
BSDI A/140	12.0	6.0	9.5	11.2	14.5	17.2	8	9.5	12.4	14.2
BSDI A/160	14.0	8.0	11.7	13.8	17.8	21	10.3	12.2	15.8	18.9
BSDI A/180	16.0	8.0	14.5	17	21.9	23.6	12.8	14.6	17.8	18.9
BSDI A/200	18.0	10.0	17.1	20.1	25.7	28.3	15.5	18.3	22.2	23.6
BSDI A/220	20.0	10.0	19.9	22	26.6	28.3	16.6	18.3	22.2	23.6
BSDI A/240	22.0	12.0	23	25.6	31.1	33	19.9	22	26.6	28.3
BSDI A/260	24.0	12.0	23.2	25.6	31.1	33	19.9	22	26.6	28.3
BSDI A/280	26.0	14.0	26.6	29.3	35.5	37.8	23.2	25.6	31.1	33
BSDI A/300	28.0	14.0	26.6	29.3	35.5	37.8	23.2	25.6	31.1	33
BSDI A/320	30.0	16.0	29.9	32.9	40	42.5	26.6	29.3	35.5	37.8

For heights in between choose lowest value.

Installation

Installation

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



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