

Technical data sheet

SIMPSON

Strong-Tie

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

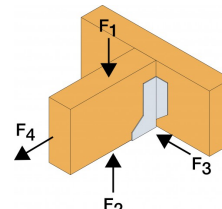
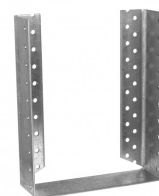
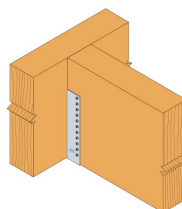
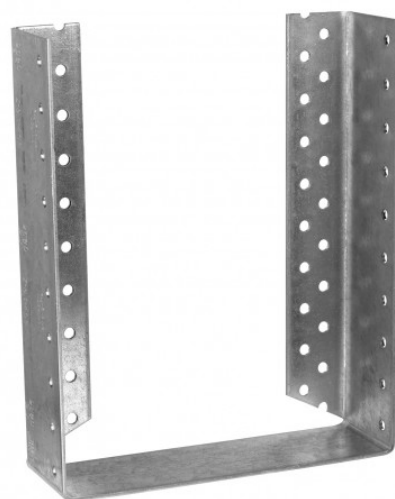
Applicable materials

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.



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Technical Data

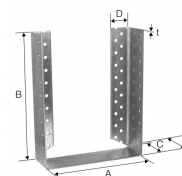
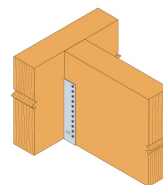
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Product Dimensions

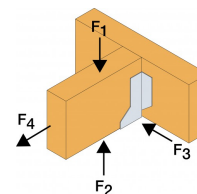
References	Joist Size [mm]				Product Dimensions [mm]							Header holes	Joist holes	Box Quantity	Weight [kg]
	Width		Height		A	B	C	D	F	t	Ø5 [mm]	Ø5 [mm]			
	Min	Max.	Min	Max.											
BSDI A/100	34	250	110	150	A	100	50	17.5 / 30*	52	2	16	8	-	-	
BSDI A/120	34	250	130	180	A	120	50	17.5 / 30*	52	2	20	10	-	-	
BSDI A/140	34	250	150	210	A	140	50	17.5 / 30*	52	2	24	12	-	-	
BSDI A/160	34	250	170	240	A	160	50	17.5 / 30*	52	2	28	14	-	-	
BSDI A/180	34	250	190	270	A	180	50	17.5 / 30*	52	2	32	16	-	-	
BSDI A/200	34	250	210	300	A	200	50	17.5 / 30*	52	2	36	18	-	-	
BSDI A/220	34	250	230	330	A	220	50	17.5 / 30*	52	2	40	20	-	-	
BSDI A/240	34	250	250	360	A	240	50	17.5 / 30*	52	2	44	22	-	-	
BSDI A/260	34	250	270	390	A	260	50	17.5 / 30*	52	2	48	24	-	-	
BSDI A/280	34	250	290	420	A	280	50	17.5 / 30*	52	2	52	26	-	-	
BSDI A/300	34	250	310	450	A	300	50	17.5 / 30*	52	2	56	28	-	-	
BSDI A/320	34	250	330	480	A	320	50	17.5 / 30*	52	2	60	30	-	-	
BSDI160/200	-	-	-	-	-	-	-	-	-	-	-	-	20	0.72	
BSDI120/240	-	-	-	-	-	-	-	-	-	-	-	-	20	0.77	
BSDI140/200	-	-	-	-	-	-	-	-	-	-	-	-	25	0.6	
BSDI140/240	-	-	-	-	-	-	-	-	-	-	-	-	20	0.79	
BSDI140/260	-	-	-	-	-	-	-	-	-	-	-	-	25	0.75	
BSDI140/300	-	-	-	-	-	-	-	-	-	-	-	-	20	0.85	
BSDI160/160	-	-	-	-	-	-	-	-	-	-	-	-	25	0.61	
BSDI160/260	-	-	-	-	-	-	-	-	-	-	-	-	25	0.76	
BSDI160/280	-	-	-	-	-	-	-	-	-	-	-	-	20	0.81	
BSDI160/300	-	-	-	-	-	-	-	-	-	-	-	-	20	0.86	
BSDI180/220	-	-	-	-	-	-	-	-	-	-	-	-	20	0.79	
BSDI200/200	-	-	-	-	-	-	-	-	-	-	-	-	20	0.77	
BSDI200/240	-	-	-	-	-	-	-	-	-	-	-	-	20	0.87	

*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

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BSDI BSDI joist hanger



Product Capacities

References	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	16	8	8.2	9.9	13	15.9	8.5	10.3	13.4	16.4
BSDI A/120	20	10	11.9	14.2	18.5	22.5	12.2	14.6	19.1	23.2
BSDI A/140	24	12	16	19.1	24.8	29.9	16.4	19.6	25.5	28.3
BSDI A/160	28	14	20.6	24.5	31.8	37.8	21.1	25.1	31.1	33
BSDI A/180	32	16	25.7	30.4	39.3	42.5	26.2	29.3	35.5	37.8
BSDI A/200	36	18	31.1	36.6	44.4	47.2	29.9	32.9	40	42.5
BSDI A/220	40	20	36.5	40.3	48.8	51.9	33.2	36.6	44.4	47.2
BSDI A/240	44	22	39.8	43.9	53.3	56.6	36.5	40.3	48.8	51.9
BSDI A/260	48	24	43.2	47.6	57.7	61.4	39.8	43.9	53.3	56.6
BSDI A/280	52	26	46.5	51.2	62.2	66.1	43.2	47.6	57.7	61.4
BSDI A/300	56	28	49.8	54.9	66.6	70.8	46.5	51.2	62.2	66.1
BSDI A/320	60	30	53.1	58.6	71	75.5	49.8	54.9	66.6	70.8
BSDI160/200	-	-	-	-	-	-	-	-	-	-
BSDI120/240	-	-	-	-	-	-	-	-	-	-
BSDI140/200	-	-	-	-	-	-	-	-	-	-
BSDI140/240	-	-	-	-	-	-	-	-	-	-
BSDI140/260	-	-	-	-	-	-	-	-	-	-
BSDI140/300	-	-	-	-	-	-	-	-	-	-
BSDI160/160	-	-	-	-	-	-	-	-	-	-
BSDI160/260	-	-	-	-	-	-	-	-	-	-
BSDI160/280	-	-	-	-	-	-	-	-	-	-
BSDI160/300	-	-	-	-	-	-	-	-	-	-
BSDI180/220	-	-	-	-	-	-	-	-	-	-
BSDI200/200	-	-	-	-	-	-	-	-	-	-
BSDI200/240	-	-	-	-	-	-	-	-	-	-

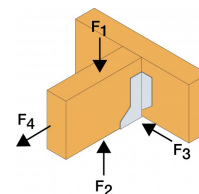
For heights in between choose lowest value.

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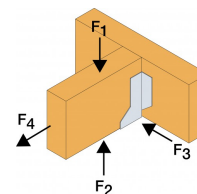


Product capacities - Timber to timber - Full nailing - F3 (lateral)

[illegible]

Technical data sheet

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Product capacities - Timber to timber - Partial nailing

References	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	4	5.3	6.3	8.2	9.9	4.1	4.9	6.5	7.9
BSDI A/120	10	6	7.1	8.4	10.9	13.1	5.9	7.1	9.3	11.2
BSDI A/140	12	6	9.5	11.2	14.5	17.2	8	9.5	12.4	14.2
BSDI A/160	14	8	11.7	13.8	17.8	21	10.3	12.2	15.8	18.9
BSDI A/180	16	8	14.5	17	21.9	23.6	12.8	14.6	17.8	18.9
BSDI A/200	18	10	17.1	20.1	25.7	28.3	15.5	18.3	22.2	23.6
BSDI A/220	20	10	19.9	22	26.6	28.3	16.6	18.3	22.2	23.6
BSDI A/240	22	12	23	25.6	31.1	33	19.9	22	26.6	28.3
BSDI A/260	24	12	23.2	25.6	31.1	33	19.9	22	26.6	28.3
BSDI A/280	26	14	26.6	29.3	35.5	37.8	23.2	25.6	31.1	33
BSDI A/300	28	14	26.6	29.3	35.5	37.8	23.2	25.6	31.1	33
BSDI A/320	30	16	29.9	32.9	40	42.5	26.6	29.3	35.5	37.8
BSDI160/200	-	-	-	-	-	-	-	-	-	-
BSDI120/240	-	-	-	-	-	-	-	-	-	-
BSDI140/200	-	-	-	-	-	-	-	-	-	-
BSDI140/240	-	-	-	-	-	-	-	-	-	-
BSDI140/260	-	-	-	-	-	-	-	-	-	-
BSDI140/300	-	-	-	-	-	-	-	-	-	-
BSDI160/160	-	-	-	-	-	-	-	-	-	-
BSDI160/260	-	-	-	-	-	-	-	-	-	-
BSDI160/280	-	-	-	-	-	-	-	-	-	-
BSDI160/300	-	-	-	-	-	-	-	-	-	-
BSDI180/220	-	-	-	-	-	-	-	-	-	-
BSDI200/200	-	-	-	-	-	-	-	-	-	-
BSDI200/240	-	-	-	-	-	-	-	-	-	-

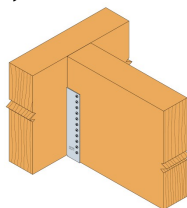
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Installation

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



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