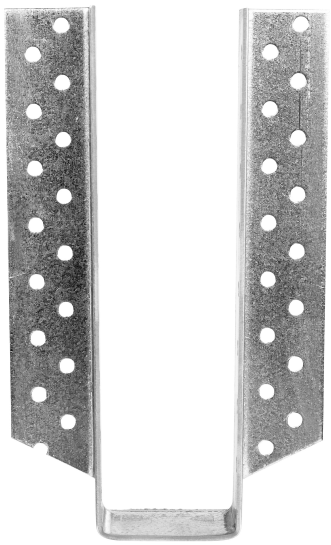
Technical Sheet

BSD
BSD joist hanger

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



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-beam shoe (s outer legs) are entitled to biaxial loading.**
- **Connection to concrete, steel and masonry are allowed**
- **addition of standard dimensions is possible to produce different formats**

Applications

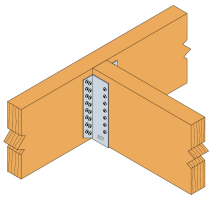
Applicable materials

Wood, wood products, concrete

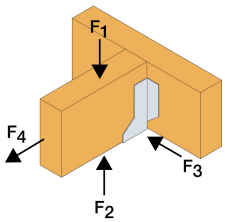
Application area

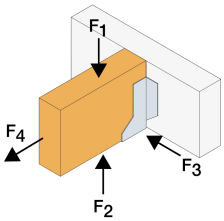
- **For connecting secondary beams of wood or wood materials into main load-bearing / mainstays of wood / composite wood or concrete / steel.**
- **position / number and diameter of the holes for the screws can be selected.**

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









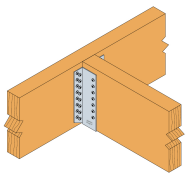
Technical Sheet

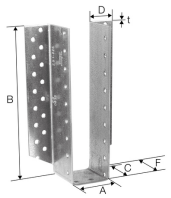
BSD
BSD joist hanger

Technical Data

Technical Sheet

BSD
BSD joist hanger





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]		
BSD A/100	110	150	34	250	A	100	50	30	52	2	16	8	-	-
BSD A/120	130	180	34	250	A	120	50	30	52	2	20	10	-	-
BSD A/140	150	210	34	250	A	140	50	30	52	2	24	12	-	-
BSD A/160	170	240	34	250	A	160	50	30	52	2	28	14	-	-
BSD A/180	190	270	34	250	A	180	50	30	52	2	32	16	-	-
BSD A/200	210	300	34	250	A	200	50	30	52	2	36	18	-	-
BSD A/220	230	330	34	250	A	220	50	30	52	2	40	20	-	-
BSD A/240	250	360	34	250	A	240	50	30	52	2	44	22	-	-
BSD A/260	270	390	34	250	A	260	50	30	52	2	48	24	-	-
BSD A/280	290	420	34	250	A	280	50	30	52	2	52	26	-	-
BSD A/300	310	450	34	250	A	300	50	30	52	2	56	28	-	-
BSD A/320	330	480	34	250	A	320	50	30	52	2	60	30	-	-
BSD120/240	-	-	-	-	120	240	50	30	52	2	44	22	20	0.77
BSD160/200	-	-	-	-	160	200	50	30	52	2	32	16	20	0.72
BSD160/240	-	-	-	-	160	240	50	30	52	2	44	22	10	0.81
BSD200/200	-	-	-	-	200	200	50	30	52	2	32	16	20	0.77
BSD special 100/80	-	-	-	-	100	80	50	30	52	2	12	6	-	-

Dimensions on stock

	A [mm]						
B [mm]	80	100	120	140	160	180	200
100	x						
120		x					
140							
160					x		
180			x			x	
200				x	x		x
220						x	
240		x	x	x	x		x
260				x	x		
280					x	x	x
300			x	x	x		
320			x	x	x	x	

The dimensions, which are not on stock, are available in a short time.
Also types with bolt holes are available in a short time.

Technical Sheet

BSD
BSD joist hanger

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]		
BSD special 120/100	-	-	-	-	120	100	50	30	52	2	16	8	-	-
BSD special 120/130	-	-	-	-	120	130	50	30	52	2	20	10	-	-
BSD special 140/120	-	-	-	-	140	120	50	30	52	2	20	10	-	-
BSD100/240	-	-	-	-	-	-	-	-	-	-	-	-	20	0.74
BSD120/300	-	-	-	-	-	-	-	-	-	-	-	-	20	0.83
BSD120/320	-	-	-	-	-	-	-	-	-	-	-	-	20	0.88
BSD140/200	-	-	-	-	-	-	-	-	-	-	-	-	25	0.6
BSD140/220	-	-	-	-	-	-	-	-	-	-	-	-	20	0.74
BSD140/240	-	-	-	-	-	-	-	-	-	-	-	-	20	0.83
BSD140/260	-	-	-	-	-	-	-	-	-	-	-	-	25	0.75
BSD140/300	-	-	-	-	-	-	-	-	-	-	-	-	20	0.85
BSD140/320	-	-	-	-	-	-	-	-	-	-	-	-	20	0.9
BSD160/160	-	-	-	-	-	-	-	-	-	-	-	-	25	0.61
BSD160/260	-	-	-	-	-	-	-	-	-	-	-	-	25	0.76
BSD160/280	-	-	-	-	-	-	-	-	-	-	-	-	10	0.92
BSD160/300	-	-	-	-	-	-	-	-	-	-	-	-	10	0.97
BSD160/320	-	-	-	-	-	-	-	-	-	-	-	-	10	1
BSD180/180	-	-	-	-	-	-	-	-	-	-	-	-	20	0.69
BSD180/220	-	-	-	-	-	-	-	-	-	-	-	-	20	0.79
BSD180/280	-	-	-	-	-	-	-	-	-	-	-	-	10	0.95
BSD180/320	-	-	-	-	-	-	-	-	-	-	-	-	20	0.93
BSD200/240	-	-	-	-	-	-	-	-	-	-	-	-	20	0.87

Dimensions on stock

	A [mm]						
B [mm]	80	100	120	140	160	180	200
100	x						
120		x					
140							
160					x		
180			x			x	
200				x	x		x
220						x	
240		x	x	x	x		x
260				x	x		
280					x	x	x
300			x	x	x		
320			x	x	x	x	

The dimensions, which are not on stock, are available in a short time.
Also types with bolt holes are available in a short time.

Technical Sheet

BSD
BSD joist hanger

Reference	Connector Dimensions													
	Timber size[mm]				Product Dimensions[mm]						Header holes	Joist holes	Other	
	Height		Width								Round	Round		
	Min[mm]	Max. [mm]	Min[mm]	Max. [mm]	A[mm]	B[mm]	C[mm]	D[mm]	F[mm]	t[mm]	Ø5[mm]	Ø5[mm]	Qty per Box	Weight[kg]
BSD200/280	-	-	-	-	-	-	-	-	-	-	-	-	20	0.85

Dimensions on stock

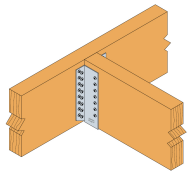
	A [mm]						
B [mm]	80	100	120	140	160	180	200
100	x						
120		x					
140							
160					x		
180			x			x	
200				x	x		x
220						x	
240		x	x	x	x		x
260				x	x		
280					x	x	x
300			x	x	x		
320			x	x	x	x	

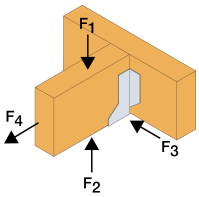
The dimensions, which are not on stock, are available in a short time.
Also types with bolt holes are available in a short time.

Technical Sheet

BSD
BSD joist hanger

SIMPSON Strong-Tie





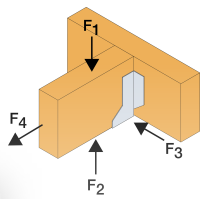
Product Capacities

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								
BSD A/100	16.0	8	8.2	9.9	13	15.9	8.5	10.3	13.4	16.4
BSD A/120	20.0	10	11.9	14.2	18.5	22.5	12.2	14.6	19.1	23.2
BSD A/140	24.0	12	16	19.1	24.8	29.9	16.4	19.6	25.5	28.3
BSD A/160	28.0	14	20.6	24.5	31.8	37.8	21.1	25.1	31.1	33.0
BSD A/180	32.0	16	25.7	30.4	39.3	42.5	26.2	29.3	35.5	37.8
BSD A/200	36.0	18	31.1	36.6	44.4	47.2	29.9	32.9	40	42.5
BSD A/220	40.0	20	36.5	40.3	48.8	51.9	33.2	36.6	44.4	47.2
BSD A/240	44.0	22	39.8	43.9	53.3	56.6	36.5	40.3	48.8	51.9
BSD A/260	48.0	24	43.2	47.6	57.7	61.4	39.8	43.9	53.3	56.6
BSD A/280	52.0	26	46.5	51.2	62.2	66.1	43.2	47.6	57.7	61.4
BSD A/300	56.0	28	49.8	54.9	66.6	70.8	46.5	51.2	62.2	66.1
BSD A/320	60.0	30	53.1	58.6	71	75.5	49.8	54.9	66.6	70.8
BSD120/240	44.0	22	39.8	43.9	53.3	56.6	36.5	40.3	48.8	51.9
BSD160/200	32.0	16	31.1	36.6	44.4	47.2	29.9	32.9	40	42.5
BSD160/240	44.0	22	39.8	43.9	53.3	56.6	36.5	40.3	48.8	51.9
BSD200/200	32.0	16	31.1	36.6	44.4	47.2	29.9	32.9	40	42.5
BSD special 100/80	12.0	6	-	-	-	-	-	-	-	-
BSD special 120/100	16.0	8	8.2	9.9	13	15.9	8.5	10.3	13.4	16.4
BSD special 120/130	20.0	10	11.9	14.2	18.5	22.5	12.2	14.6	19.1	23.2
BSD special 140/120	20.0	10	11.9	14.2	18.5	22.5	12.2	14.6	19.1	23.2
BSD100/240	-	-	-	-	-	-	-	-	-	-
BSD120/300	-	-	-	-	-	-	-	-	-	-
BSD120/320	-	-	-	-	-	-	-	-	-	-
BSD140/200	-	-	-	-	-	-	-	-	-	-
BSD140/220	-	-	-	-	-	-	-	-	-	-
BSD140/240	-	-	-	-	-	-	-	-	-	-
BSD140/260	-	-	-	-	-	-	-	-	-	-
BSD140/300	-	-	-	-	-	-	-	-	-	-
BSD140/320	-	-	-	-	-	-	-	-	-	-
BSD160/160	-	-	-	-	-	-	-	-	-	-
BSD160/260	-	-	-	-	-	-	-	-	-	-
BSD160/280	-	-	-	-	-	-	-	-	-	-
BSD160/300	-	-	-	-	-	-	-	-	-	-
BSD160/320	-	-	-	-	-	-	-	-	-	-
BSD180/180	-	-	-	-	-	-	-	-	-	-
BSD180/220	-	-	-	-	-	-	-	-	-	-
BSD180/280	-	-	-	-	-	-	-	-	-	-

Technical Sheet

BSD
BSD joist hanger

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								
BSD180/320	-	-	-	-	-	-	-	-	-	-
BSD200/240	-	-	-	-	-	-	-	-	-	-
BSD200/280	-	-	-	-	-	-	-	-	-	-

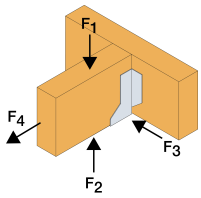


Product capacities – Timber to timber – Full nailing - F3 (lateral)

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

Technical Sheet

BSD
BSD 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
BSD A/100	8.0	4.0	5.3	6.3	8.2	9.9	4.1	4.9	6.5	7.9
BSD A/120	10.0	6.0	7.1	8.4	10.9	13.1	5.9	7.1	9.3	11.2
BSD A/140	12.0	6.0	9.5	11.2	14.5	17.2	8	9.5	12.4	14.2
BSD A/160	14.0	8.0	11.7	13.8	17.8	21	10.3	12.2	15.8	18.9
BSD A/180	16.0	8.0	14.5	17	21.9	23.6	12.8	14.6	17.8	18.9
BSD A/200	18.0	10.0	17.1	20.1	25.7	28.3	15.5	18.3	22.2	23.6
BSD A/220	20.0	10.0	19.9	22	26.6	28.3	16.6	18.3	22.2	23.6
BSD A/240	22.0	12.0	23	25.6	31.1	33	19.9	22	26.6	28.3
BSD A/260	24.0	12.0	23.2	25.6	31.1	33	19.9	22	26.6	28.3
BSD A/280	26.0	14.0	26.6	29.3	35.5	37.8	23.2	25.6	31.1	33
BSD A/300	28.0	14.0	26.6	29.3	35.5	37.8	23.2	25.6	31.1	33
BSD A/320	30.0	16.0	29.9	32.9	40	42.5	26.6	29.3	35.5	37.8
BSD120/240	22.0	12.0	23	25.6	31.1	33	19.9	22	26.6	28.3
BSD160/200	18.0	10.0	17.1	20.1	25.7	28.3	15.5	18.3	22.2	23.6
BSD160/240	22.0	12.0	23	25.6	31.1	33	19.9	22	26.6	28.3
BSD200/200	18.0	10.0	17.1	20.1	25.7	28.3	15.5	18.3	22.2	23.6
BSD special 100/80	-	-	-	-	-	-	-	-	-	-
BSD special 120/100	8.0	4.0	5.3	6.3	8.2	9.9	4.1	4.9	6.5	7.9
BSD special 120/130	10.0	6.0	7.1	8.4	10.9	13.1	5.9	7.1	9.3	11.2
BSD special 140/120	10.0	6.0	7.1	8.4	10.9	13.1	5.9	7.1	9.3	11.2
BSD100/240	-	-	-	-	-	-	-	-	-	-
BSD120/300	-	-	-	-	-	-	-	-	-	-
BSD120/320	-	-	-	-	-	-	-	-	-	-
BSD140/200	-	-	-	-	-	-	-	-	-	-
BSD140/220	-	-	-	-	-	-	-	-	-	-
BSD140/240	-	-	-	-	-	-	-	-	-	-
BSD140/260	-	-	-	-	-	-	-	-	-	-
BSD140/300	-	-	-	-	-	-	-	-	-	-
BSD140/320	-	-	-	-	-	-	-	-	-	-
BSD160/160	-	-	-	-	-	-	-	-	-	-
BSD160/260	-	-	-	-	-	-	-	-	-	-
BSD160/280	-	-	-	-	-	-	-	-	-	-
BSD160/300	-	-	-	-	-	-	-	-	-	-
BSD160/320	-	-	-	-	-	-	-	-	-	-
BSD180/180	-	-	-	-	-	-	-	-	-	-
BSD180/220	-	-	-	-	-	-	-	-	-	-
BSD180/280	-	-	-	-	-	-	-	-	-	-
BSD180/320	-	-	-	-	-	-	-	-	-	-
BSD200/240	-	-	-	-	-	-	-	-	-	-
BSD200/280	-	-	-	-	-	-	-	-	-	-

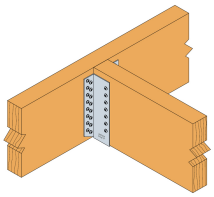
Technical Sheet

BSD
BSD joist hanger

Installation

Installation

- **CNA4,0 × L Nails**
- **CSA5,0 × L Screws**
- **M8 M12 bolts for connection to a concrete / steel**



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