Technical Sheet

UNI
UNI

Universal bracket



Features

Material

Steel quality:

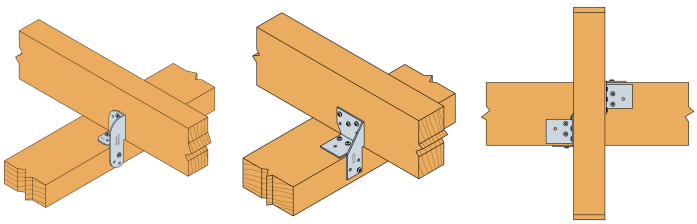
S250GD + Z275 according to DIN EN10346

Corrosion protection:

275 g / m galvanized on both sides 20mm

Benefits

- **Easy connection of intersecting wooden parts**



Applications

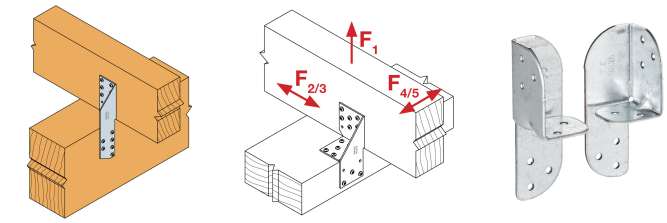
Applicable materials

Wood / wood joints, particularly in intersecting roof structures.

Application area

- **UNI96 connector for attaching transitions wood for smaller buildings, for example. Carports, pergolas**
- **UNI100 and UNI130 be used for attaching beams transitions to smaller wooden houses**
- **UNI190 are for connecting eg. Purlins are used to support the rafters to Purlin**

Values partial nailing



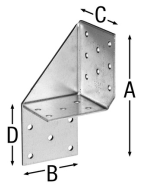


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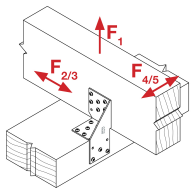
Technical Data

Dimension



Reference	Connector Dimensions											
	Other				Product Dimensions[mm]					Holes[mm]		Timber size
	DB. nr.	NOB nr.	Qty per Box	Weight[kg]	A[mm]	B[mm]	C[mm]	D[mm]	t[mm]	Diameter[mm]	Qty	Height Minimum joist height[mm]
UNI100L	1644079	21220223	50	0.15	100	52.5	62.5	47.5	2.5	5	5 + 3 + 3	63
UNI130L	3779162	21220280	25	0.24	130	61.5	62.5	58	2.5	5	8 + 5 + 5	82
UNI190L	1680610	21220264	50	0.2	192	49.5	49.5	96	2	5	7 + 6 + 1	108
UNI100R	1644087	21220330	50	0.15	100	52.5	62.5	47.5	2.5	5	5 + 3 + 3	63
UNI130R	3779170	21220298	25	0.24	130	61.5	62.5	58	2.5	5	8 + 5 + 5	82
UNI190R	1680628	21220272	50	0.2	192	49.5	49.5	96	2	5	7 + 6 + 1	108

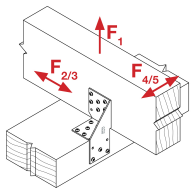
Load carrying capacity table (characteristic values) - minimum nailing



Reference	Ties capacity			
	Product characteristic capacities - Timber C24[kN]	Characteristic load capacity (kN) for 2 brackets per joint, placed diagonally (Min)		
	Number of Fasteners Specification	$R_{1,k}$	$R_{2,k}=R_{3,k}$	R4,k=R5,k
UNI190R	CNA4,0x40	7.9	4.5	Min. 4.3; 3.9(b+7)/e

Technical Sheet

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Load carrying capacity table (characteristic values) - maximum nailing

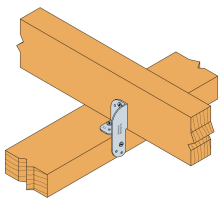
Reference	Ties capacity			
	Product characteristic capacities - Timber C24[kN]	Characteristic load capacity (kN) for 2 brackets per joint, placed diagonally (Max)		
	Number of Fasteners Specification	$R_{1,k}$	$R_{2,k}=R_{3,k}$	R4,k=R5,k
UNI100L	CNA4,0X40	5.8	4.7	Min. 7.3; 2.9(b+16)/e
UNI130L	CNA4,0X40	10.8	7.9	Min. 7.9; 5.4(b+21)/e
UNI190L	CNA4,0x40	16	5.4	Min. 5.8; 7.4(b+7)/e
UNI100R	CNA4,0X40	5.8	4.7	Min. 7.3; 2.9(b+16)/e
UNI130R	CNA4,0X40	10.8	7.9	Min. 7.9; 5.4(b+21)/e
UNI190R	CNA4,0x40	16	5.4	Min. 5.8; 7.4(b+7)/e

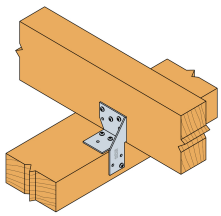
e and b are inserted in mm.
If the ridge is prevented from rotating, the load-bearing capacity $R_{1,k}$ in a single bracket assembly will be half of the load-bearing capacity in a two bracket assembly. If the ridge can rotate, the load-bearing capacity of UNI190 can be calculated, see ETA on our website www.strongtie.dk
When placing two UNI190 brackets opposite each other on opposite sides of a ridge (i.e. not diagonally), all load capacities per bracket at this joint can be found in the ETA for 1 bracket per joint. The load capacity for F_1 is obtained by setting f equal to zero. The load capacities for F_2 and F_3 are unchanged. For F_4 and F_5, the smaller value of F_4 and F_5 is used.

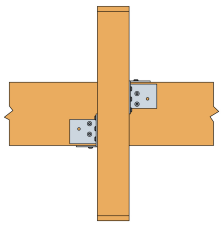
Installation

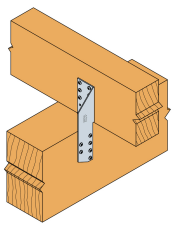
Installation

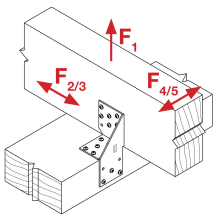
- For fastening, use CNA4.0xℓ nails or CSA5.0xℓ screws











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