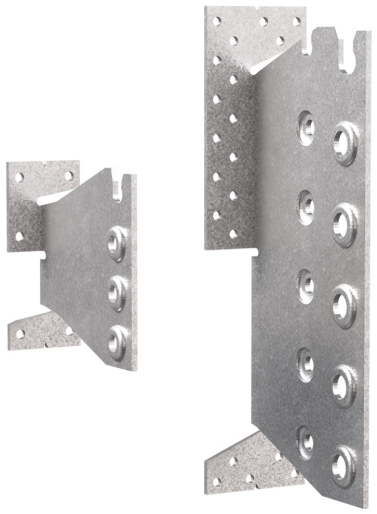
Technical Sheet

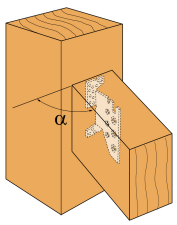
TU
Concealed Beam Hanger

These concealed hangers ensure a completely invisible assembly. The slot in the head facilitates on-site installation. TUS, factory bent, are suitable for skewed applications.





TU



skewed connection to post



Features

Materiál

- Steel S250GD + Z275 according to NF EN 10346.
- Thickness 3 mm

Vorteile

- Invisible assembly
- Mounting on wood or concrete
- Optimized implementation complies with Eurocodes
- Half-hour fire resistance subject to a special installation.

Applications

Anwendbare Materialien

- **Supporting member:** solid wood, glued-laminated wood, composite lumber.
- **Supported member:** solid wood, glued-laminated wood, composite lumber.

Anwendungsbereich

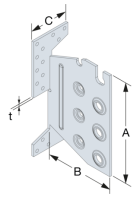
- Joists.
- Purlins.
- Supporting beam.

Technical Sheet

TU
Concealed Beam Hanger

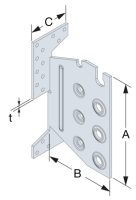
Technical Data

Rozměry a typické hodnoty



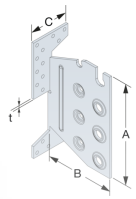
Reference	konektor rozměry											
	dřevo size[mm]			Header rozměry[mm]	rozměry výrobku[mm]				Header otvory[mm]	nosník otvory[mm]		ostatní
	šířka	výška[mm]		Post šířka	A[mm]	B[mm]	C[mm]	t[mm]	kulatý	kulatý		hmotnost[kg]
	Min[mm]	Min[mm]	Min β≠0[mm]	Min[mm]					Ø	Ø8.5	Ø12.5	
TU12	45	120	160	68	96	97.5	40	3	6	4	-	0.26
TU16	60	160	190	88	134	104.5	60	3	18	-	3	0.34
TU20	60	200	225	88	174	104.5	60	3	22	-	4	0.53
TU24	60	240	260	88	214	104.5	60	3	26	-	5	0.66
TU28	60	280	295	88	254	104.5	60	3	30	-	6	0.8

Charakteristické nosnosti - Dřevěný trám na dřevěný trám - plné hřebování



Reference	Hanger únosnost																							
	výrobek Capacities[kN]																							
	počet of Fasteners	výrobek characteristic capacities - dřevo C24[kN]																						
	Header		R1,k (2)							R2,k							R3,k							
	typ	R4,k[kN]	Dowels délka[mm]							Dowels délka[mm]							Dowels délka[mm]							
			45	60	80	100	120	140	160	45	60	80	100	120	140	160	45	60	80	100	120	140	160
TU12	CNA4,0x50	4.5	7.6	8.1	9	10.1	10.7	10.7	10.7	5.7	6.1	6.8	7.6	8	8	8	0.9	1.1	1.6	2.1	2.7	3.2	3.7
TU16	CNA4,0x50	5.9	-	17.5	18.1	19.2	20.5	22	23.5	-	11.7	12.1	12.8	13.7	14.7	15.7	-	1.5	2.1	2.8	3.6	4.2	5
TU20	CNA4,0x50	7.9	-	26.7	27.6	29.2	31.1	33.3	35.6	-	20	20.7	21.9	23.3	25	26.7	-	2	2.8	3.7	4.5	5.4	6.4
TU24	CNA4,0x50	9.9	-	36.6	37.7	39.8	42.5	45.4	48.3	-	29.3	30.2	31.8	34	36.3	38.6	-	2.5	3.5	4.4	5.6	6.5	7.7
TU28	CNA4,0x50	11.8	-	46.9	48.3	50.9	54.1	57.6	61.1	-	39.1	40.3	42.4	45.1	48	50.9	-	2.9	4.1	5.3	6.5	7.6	8.9

Charakteristické nosnosti - Dřevěný trám na dřevěný sloupek - plné hřebování

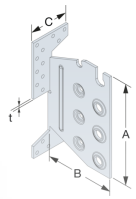


Charakteristické nosnosti - Dřevěný trám na dřevěný sloupek - plné hřebování
See full table online ➡️

Reference																								
	Hea																							
	množství	typ	množství	typ		45	60	80	100	120	140	160	45	60	80	100	120	140	160	45	60	80		

Technical Sheet

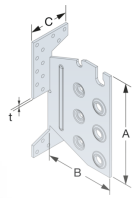
TU
Concealed Beam Hanger



Charakteristické nosnosti - Dřevěný trám na dřevěný trám - plné hřebování - s náklonem a sklonem α=90°

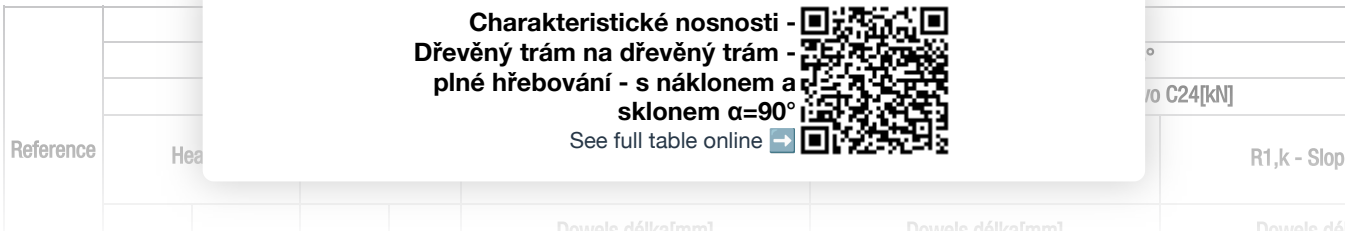
Charakteristické nosnosti - Dřevěný trám na dřevěný trám - plné hřebování - s náklonem a sklonem α=90°
See full table online ➡️





Charakteristické nosnosti - Dřevěný trám na dřevěný trám - plné hřebování - s náklonem a sklonem α=90°

Charakteristické nosnosti - Dřevěný trám na dřevěný trám - plné hřebování - s náklonem a sklonem α=90°
See full table online ➡️



Installation

Befestigung

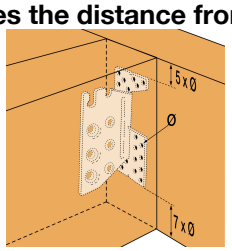
<u>On supporting wood member:</u> TU/TUB/TUBS

- CNA annular ring-shank nails dia. 4.0 x 50 mm or CSA screws dia. 5.0 x 40 mm.
- Lag screws and bolts dia. 10 mm only for TUB/TUBS.

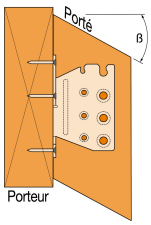
<u>On supported member:</u> Steel dowel S235JR type STD12

- TU12: dia. 8 mm type STD 8.
- TU16 to 28: dia. 12 mm type STD 12.
- TUB/TUBS: dia. 12 mm type STD 12.

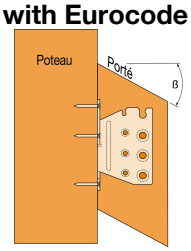
The length of the dowels is less than or equal to the width of the supported joist.
***TU:* wood/wood fastening only with nails/screws.**
***TUB:* wood/wood fastening only with nails/screws or lag screws.**
***TUBS:* wood/wood fastening only with nails/screws or lag screws.**
Concrete and steel substrate:
It is not recommended to use hangers on concrete or steel substrate as the size of the bolts makes the distance from the edge of the wood to the dowels non-compliant with Eurocode 5.



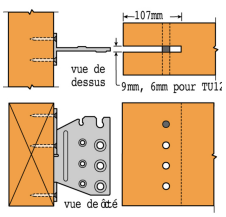
Connection to header



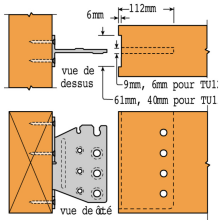
sloped connection to header



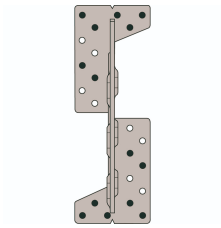
sloped connection to post

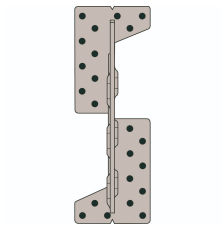


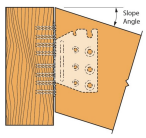
Mounting



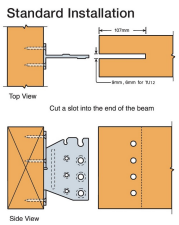
Montage invisible - Dimensions

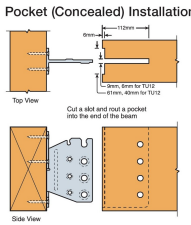

nail pattern to column

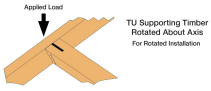

full nailung to beam

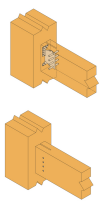


Sloped
Beam-to-Beam









Technical Sheet

TU
Concealed Beam Hanger

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