



The BTALU concealed hanger is one solution to connecting timber members together without seeing the connector. It is designed to be fixed to the header timber and then fully inserted into a slot in the in-coming beam, and held in place with dowels. Holes are drilled through the timber and fin of the BTALU, allowing accurate alignment. This method provides an aesthetically pleasing connection for feature beams.

[UK-DoP-e07/0245](#)
[ETA-07/0245](#)

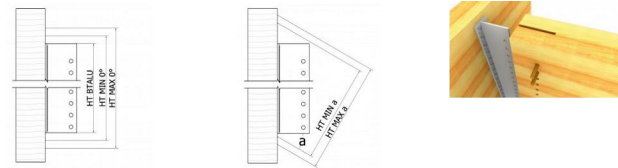
FEATURES

Material

Aluminium.

Benefits

- Accurate alignment of dowels.
- Aesthetically pleasing.



APPLICATIONS

For Connecting

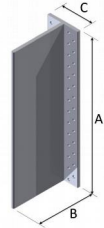
Glulam timbers.

For Use With

Carried and carrying Glulam member.

TECHNICAL DATA

Performance Values



Reference	Dimensions [mm]					Header Nail		Joist Dowel		Characteristic Download Capacity [kN]					
	Minimum Joist Height	H	B	W	t	Header Nail		Joist Dowel		Dowel Embedment Length [mm]					
						Qty	Type	Qty	∅	60	80	100	120	140	160
BTALU90	100	86	109	62	6	16	4.0x60	4	8	10.8	11.8	12.9	13.7	13.7	13.7
BTALU120	160	116	109	62	6	20	4.0x60	3	12	21.6	22.7	23.8	25.2	26.7	28.3
BTALU160	200	156	109	62	6	28	4.0x60	4	12	30.2	31.8	33.5	35.6	37.9	40.4
BTALU200	240	196	109	62	6	36	4.0x60	5	12	42.7	44.9	47.2	50.2	53.4	56.8
BTALU240	280	236	109	62	6	44	4.0x60	6	12	55.5	58.4	61.4	65.2	69.5	73.9

The values are given for connection with a slope = 0° and a skew = 0°.

For a connection with a slope by the joist, the capacities shall be reduced with the following factors.

slope	0°	15°	30°	45°
factor	1.00	0.95	0.90	0.85

INSTALLATION

Fixing

CNA44,0xL

