

AT1 Angle brackets for trusses

The angle brackets AT1 has been developed for fixing of trusses. It is dedicated for timber to timber or timber to concrete application.

Features

Material

- **S250GD + Z275** according to NF EN 10346 - 1,5 mm thickness

advantage

'Rib reinforcement ensures the formation of load-bearing two-sided or one-sided wood-wood and wood-concrete connections.

Applications

Anwendbare Materialien

- **Header** : Timber or concrete
- **Joist** : timber, trusses

Anwendungsbereich

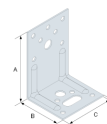
- installation of trusses



AT1
Angle brackets for trusses

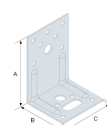
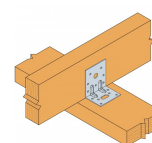
Technical Data

Product dimensions



Art. nr.	Product dimensions [mm]				Holes flange A		Holes flange B		
	A	B	C	t	Ø5	Ø10	Ø5	Ø10	Ø10x22
AT1	76	47.5	55	1.5	7	1	4	1	1

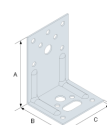
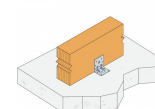
Characteristic capacities - Timber beam to timber beam - 2 angles brackets



Fixation bois/bois - Type poutre/poutre

Art. nr.	Product capacities - Timber to timber - Full nailing				Product capacities - Timber to timber - CSA screws - 2 angle brackets	
	Fasteners		Characteristic capacities - Timber C24 - 2 angle brackets per connection [kN]		Characteristic capacities - Timber C24 - 2 angle brackets per connection [kN]	
	Flange A	Flange B	R _{1,k}	R _{2,k} = R _{3,k}	R _{1,k}	R _{2,k} = R _{3,k}
	Qty	Qty			CNA4.0x40	CNA4.0x40
AT1	7	4	-	-	2.5	3.9

Characteristic capacities - Timber to rigid support - 2 angles brackets



Beam connection

Art. nr.	Product capacities - Timber to Concrete				Characteristic capacities - Timber C24 - 2 angle brackets per connection [kN]	
	Fasteners				R _{1,k}	R _{2,k} = R _{3,k}
	Flange A		Flange B			
	Qty	Type	Qty	Type	7,5 / kmod	5,6 / kmod
AT1	7	CNA	1	Ø8	7,5 / kmod	5,6 / kmod

Characteristic capacities - Timber beam to timber beam - CSA screws - 2 angles brackets

Art. nr.	Product capacities - Timber to timber - CSA screws - 2 angle brackets					
	Fasteners		Characteristic capacities - Timber C24 - 2 angle brackets per connection [kN]			
	Flange A		Flange B		R _{1,k}	R _{2,k} = R _{3,k}
	Qty	Type	Qty	Type	CSA5.0x35	CSA5.0x35
AT1	2	CSA	2	CSA	4.9	2.8

AT1
Angle brackets for trusses

Characteristic capacities - Timber beam to rigid support - CSA screws - 2 angles brackets

Art. nr.	Product capacities - Timber to rigid support - CSA screws - 2 angle brackets				
	Fasteners				Characteristic capacities - Timber C24 - 2 angle brackets per connection [kN]
	Flange A		Flange B		
	Qty	Type	Qty	Type	$R_{1,k}$
					$R_{2,k} = R_{3,k}$
					CSA5.0x35
					CSA5.0x35
AT1	2	CSA	1	Ø8	6.2
					4.0

AT1
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Installation

Befestigung

- **Holes:** nombre and diameter, refer to Dimensions tables
- **Timber:** nails CNA Ø4.0x35 mm, screws CSA Ø5.0x35,
- **Concrete:** Mechanical anchor WA M8-68/5, chemical anchor Ø8 AT-HP + threaded rod LMAS M8-100...
- **Steel:** bolts

AT1
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