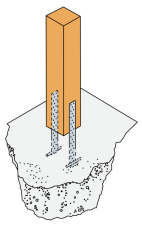
Technical Sheet

BETA
Tension tie BETA

Beta connecting rods are used as coupling elements in wood concrete. Connection to the rest is done CNA nails or screws CSA. Connecting rods must be deeply embedded in the concrete and fully anchored at least 100 mm is performed using reinforcing steel.

It is available in five different sizes produced: 200, 300, 400, 500 and 600 mm long. The width is always 40 mm.





Features

Material

Steel quality:

S 250 GD + Z 275 according to DIN EN

Corrosion protection:

275 g / m galvanized on both sides 20mm

Benefits

- **For periods of detention in concrete> 100 mm full load**
- **Continuous openings allow access in other areas**

Applications

Applicable materials

concrete

Application area

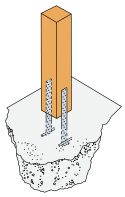
- **Towing anchors are suitable for incorporation into concrete and are used, for example, attaching the lower purlin and columns.**

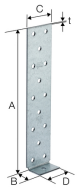
Technical Sheet

BETA
Tension tie BETA

Technical Data

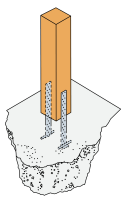
Product Dimensions





Reference	Connector Dimensions										
	Other				Product Dimensions[mm]					Joist	Flange B
	Tun / DB nr.	NOB nr.	Qty per Box	Weight[kg]	A[mm]	B[mm]	C[mm]	D[mm]	t[mm]	Round Ø5	Round Ø5[mm]
BETA2/200	1419041	22998629	150.0	0.12	180	20	40	35	2	15	1
BETA2/300	1419042	22998611	100.0	0.18	280	20	40	35	2	22	1
BETA2/400	3779113	21215710	80.0	0.23	380	20	40	35	2	30	1
BETA2/600	1868124	21215694	50.0	0.35	580	20	40	35	2	45	1
BETA4/200	-	-	75.0	0.25	180	20	40	35	4	15	1
BETA4/300	-	-	50.0	0.38	280	20	40	35	4	22	1
BETA4/400	-	-	40.0	0.5	380	20	40	35	4	30	1

Product capacities - 1 hold down



Reference	Holdowns capacity		
	Product characteristic capacities - Column nailing - 2 brackets per connection		
	Number of Fasteners		Characteristic Capacities[kN]
	Joist		$R_{1,k}$[kN]
	Qty	Type	
BETA2/200	<15	CNA4.0xl / CSA5.0xl	min. (nxRlat,k ; 16.7/kmod)
BETA2/300	<22	CNA4.0xl / CSA5.0xl	min. (nxRlat,k ; 16.7/kmod)
BETA2/400	<30	CNA4.0xl / CSA5.0xl	min. (nxRlat,k ; 16.7/kmod)
BETA2/600	<45	CNA4.0xl / CSA5.0xl	min. (nxRlat,k ; 16.7/kmod)
BETA4/200	<15	CNA4.0xl / CSA5.0xl	min. (nxRlat,k ; 33.4/kmod)
BETA4/300	<22	CNA4.0xl / CSA5.0xl	min. (nxRlat,k ; 33.4/kmod)
BETA4/400	<30	CNA4.0xl / CSA5.0xl	min. (nxRlat,k ; 33.4/kmod)

$R_{lat,k}$ = Characteristic capacity of the fastener (CNA or CSA)
n = neff according to Eurocode (8.3.1.1) for the number of fastener

Installation

Installation

- **They are attached CNA4,0xℓ nails or screws CSA5,0xℓ**

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