

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**

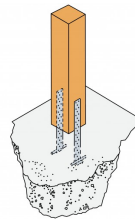
Applications

Applicable materials

concrete

Application area

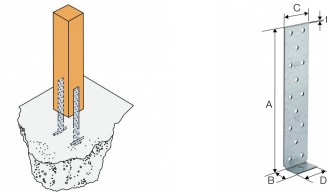
- **Towing anchors are suitable for incorporation into concrete and are used, for example, attaching the lower purlin and columns.**



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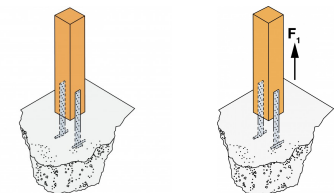
Technical Data

Product Dimensions



References	Tun / DB nr.	NOB nr.	Dimensions and drill holes [mm]					Joist Diameter	Holes flange B Ø5	Box Quantity
			A	B	C	D	t			
BETA2/200	1419041	22998629	180	20	40	35	2	15	1	150
BETA2/300	1419042	22998611	280	20	40	35	2	22	1	100
BETA2/400	3779113	21215710	380	20	40	35	2	30	1	80
BETA2/500	1868116	21215678	480	20	40	35	2	37	1	50
BETA2/600	1868124	21215694	580	20	40	35	2	45	1	50
BETA4/200	-	-	180	20	40	35	4	15	1	75
BETA4/300	-	-	280	20	40	35	4	22	1	50
BETA4/400	-	-	380	20	40	35	4	30	1	40
BETA4/500	-	-	480	20	40	35	4	37	1	25
BETA4/600	-	-	580	20	40	35	4	45	1	25

Product capacities - 1 hold down



References	Fastener		Characteristic Capacities $R_{1,k}$ [kN]
	Joist		
	Qty	Type	
BETA2/200	<15	CNA4.0xl / CSA5.0xl	min. (nxR _{lat,k} ; 16.7/kmod)
BETA2/300	<22	CNA4.0xl / CSA5.0xl	min. (nxR _{lat,k} ; 16.7/kmod)
BETA2/400	<30	CNA4.0xl / CSA5.0xl	min. (nxR _{lat,k} ; 16.7/kmod)
BETA2/500	<37	CNA4.0xl / CSA5.0xl	min. (nxR _{lat,k} ; 16.7/kmod)
BETA2/600	<45	CNA4.0xl / CSA5.0xl	min. (nxR _{lat,k} ; 16.7/kmod)
BETA4/200	<15	CNA4.0xl / CSA5.0xl	min. (nxR _{lat,k} ; 33.4/kmod)
BETA4/300	<22	CNA4.0xl / CSA5.0xl	min. (nxR _{lat,k} ; 33.4/kmod)
BETA4/400	<30	CNA4.0xl / CSA5.0xl	min. (nxR _{lat,k} ; 33.4/kmod)
BETA4/500	<37	CNA4.0xl / CSA5.0xl	min. (nxR _{lat,k} ; 33.4/kmod)
BETA4/600	<45	CNA4.0xl / CSA5.0xl	min. (nxR _{lat,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

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Installation

Installation

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

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