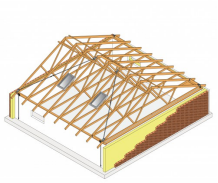
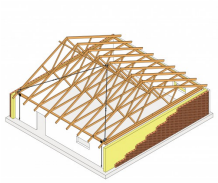
Technical data sheet

BAN
Wind bracing strap

BAN windbracing straps can be used for anchoring and stiffening of roof constructions as described in our windbracing catalogue (www.strongtie.dk) or TRÆ58. Windbracing straps with widths 25, 40 and 60 mm are included as pulling strap in the wind restraint systems. Windbracing straps 80x2,0 can be used where more tensile strength is required in the strap. In order for the straps to work, they must be tight in the finished construction.





Features

Material

Steel quality:

S250GD + Z275 according to DIN EN10346

Corrosion protection:

275 g / m galvanized on both sides 20mm
In the stainless steel version (1.4401) which is available as standard Windrispenband BAN204025S product, other sizes on request.

Benefits

- **At higher loads can be mounted next to each other more tapes**
- **In these cases, it is recommended BNSP clamping device to allow a uniform tension belts**

Applications

Suitable On

Wood, wood materials

When to Use

- **Widely used in building construction, but serve mainly to reinforce the roof structure.**

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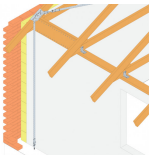

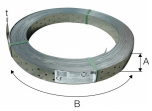

Dimensions

References	DB nr.	NOBB nr.	Dimension			Holes
			A [mm]	B [m]	t [mm]	Ø [mm]
BAN202510	2856995	21217500	25	10	2	5
BAN202525	1588383	21217534	25	25	2	5
BAN154025 * **	5047697	24942930	40	25	1.5	5
BAN204025 *	2634111	21220405	40	25	2	5
BAN154050 * **	5047698	24942948	40	50	1.5	5
BAN204050 *	2255073	21220413	40	50	2	5
BAN304050	-	-	40	50	3	5
BAN156050 **	-	-	60	50	1.5	5
BAN206050	1597236	21220439	60	50	2	5
BAN158025 **	-	-	80	25	1.5	5
BAN208025	3741832	21220447	80	25	2	5

* Is available with meter indication per ½ m
** High strength steel S350GD
*** High strength steel S550GD

Characteristic loadbearing table

References	Characteristic capacity $R_{1,k}$ (kN) min. of:				
	Steel	Wood - using CNA4,0x			
		35	40	50	60
BAN202510	11.9	1,66 x n	1,85 x n	2,22 x n	2,36 x n
BAN202525	11.9	1,66 x n	1,85 x n	2,22 x n	2,36 x n
BAN154025 * **	17	1,66 x n	1,85 x n	2,22 x n	2,36 x n
BAN204025 *	17.8	1,66 x n	1,85 x n	2,22 x n	2,36 x n
BAN154050 * **	17	1,66 x n	1,85 x n	2,22 x n	2,36 x n
BAN204050 *	17.8	1,66 x n	1,85 x n	2,22 x n	2,36 x n
BAN304050	26.7	1,66 x n	1,85 x n	2,22 x n	2,36 x n
BAN156050 **	25.5	1,66 x n	1,85 x n	2,22 x n	2,36 x n
BAN206050	26.7	1,66 x n	1,85 x n	2,22 x n	2,36 x n
BAN158025 **	34	1,66 x n	1,85 x n	2,22 x n	2,36 x n
BAN208025	35.6	1,66 x n	1,85 x n	2,22 x n	2,36 x n

n = Qty nails

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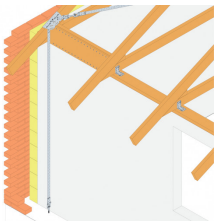
Characteric capacities

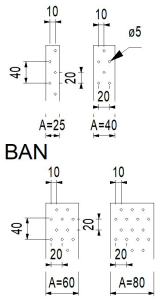
References	$R_{1,k}$ [kN]			
	CNA4,0x35	CNA4,0x40	CNA4,0x50	CNA4,0x60
BAN154025 * **	min (17/kmod ; 1,66 x n)	min (17/kmod ; 1,85 x n)	min (17/kmod ; 2,22 x n)	min (17/kmod ; 2,36 x n)
BAN204025 *	min (17.8/kmod ; 1,66 x n)	min (17.8/kmod ; 1,85 x n)	min (17.8/kmod ; 2,22 x n)	min (17.8/kmod ; 2,36 x n)
BAN154050 * **	min (17/kmod ; 1,66 x n)	min (17/kmod ; 1,85 x n)	min (17/kmod ; 2,22 x n)	min (17/kmod ; 2,36 x n)
BAN204050 *	min (17.8/kmod ; 1,66 x n)	min (17.8/kmod ; 1,85 x n)	min (17.8/kmod ; 2,22 x n)	min (17.8/kmod ; 2,36 x n)
BAN304050	min (26.7/kmod ; 1,66 x n)	min (26.7/kmod ; 1,85 x n)	min (26.7/kmod ; 2,22 x n)	min (26.7/kmod ; 2,36 x n)
BAN156050 **	min (25.5/kmod ; 1,66 x n)	min (25.5/kmod ; 1,85 x n)	min (25.5/kmod ; 2,22 x n)	min (25.5/kmod ; 2,36 x n)
BAN206050	min (26.7/kmod ; 1,66 x n)	min (26.7/kmod ; 1,85 x n)	min (26.7/kmod ; 2,22 x n)	min (26.7/kmod ; 2,36 x n)
BAN158025 **	min (34/kmod ; 1,66 x n)	min (34/kmod ; 1,85 x n)	min (34/kmod ; 2,22 x n)	min (34/kmod ; 2,36 x n)
BAN208025	min (35.6/kmod ; 1,66 x n)	min (35.6/kmod ; 1,85 x n)	min (35.6/kmod ; 2,22 x n)	min (35.6/kmod ; 2,36 x n)

Installation

Fixing

Fixing in wood construction:
CNA4,0xℓ ring shank nails or CSA5,0xℓ connector screws
It is recommended to always use connection connectors to obtain maximum connection strength to the rafter construction
Using molding, the necessary molding length is determined by the concrete quality and the forces size
See windbracing catalogue www.strongtie.dk for further information and guidance.





BAN-hole pattern