

PRODUCT DATA SHEET

TENSION ROD HT

PRODUCT DESCRIPTION

The Tension rod HT is a **molded steel part**, especially for timber frame constructions. It allows for an easy fixing of **wood elements** in wood, steel or concrete substrates. The tension rod is very solid and is able to **resist extreme loads**. The installation is relatively simple. The fastener is placed in the **floor area** on the planking and fastened with screws to the upright piece and at the threshold. The connection is able to safely transfer tensile, **suction and shear forces** via the screws into the tie rod and finally via the dowel into the **base plate**.

ADVANTAGES

- Short root face (150 mm)
- Tensile forces up to 42 kN
- Optimized screw pattern for bearer support
- High loading capacity
- Concealed fastening via barrier sheet (e.g. OSB)

MATERIAL

- Mild Steel S355 Galvanized

APPLICATION IMAGE



Anwendungsbeispiel Zuganker HT



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PRODUCT TABLE

Tension rod HT													
Sustainability						4 x 40	5 x 40	4 x 50	5 x 50	4 x 60	5 x 60		
Art.No.	Designation	Dimensions [mm]	n ¹	n ²		min.	F _z	min.	F _z	min.	F _z		PU
		H x L x W x D	Ø 5,0	Ø	KLED	n _{Nä/Schr}	[kN]	n _{Nä/Schr}	[kN]	n _{Nä/Schr}	[kN]	k ₁	
954093	Tension rod HT 28	540 x 63 x 60 x 3	45	1 x 17	charac.	33	42,0	29	42,0	27	42,0	1,0	
					short	27	42,0	24	42,0	22	42,0		
					very short	23	42,0	20	42,0	19	42,0		
954094	Tension rod HT 34	620 x 83 x 80 x 3	55	1 x 22	charac.	33	42,0	29	42,0	27	42,0	1,0	
					short	27	42,0	24	42,0	22	42,0		
					very short	23	42,0	20	42,0	19	42,0		

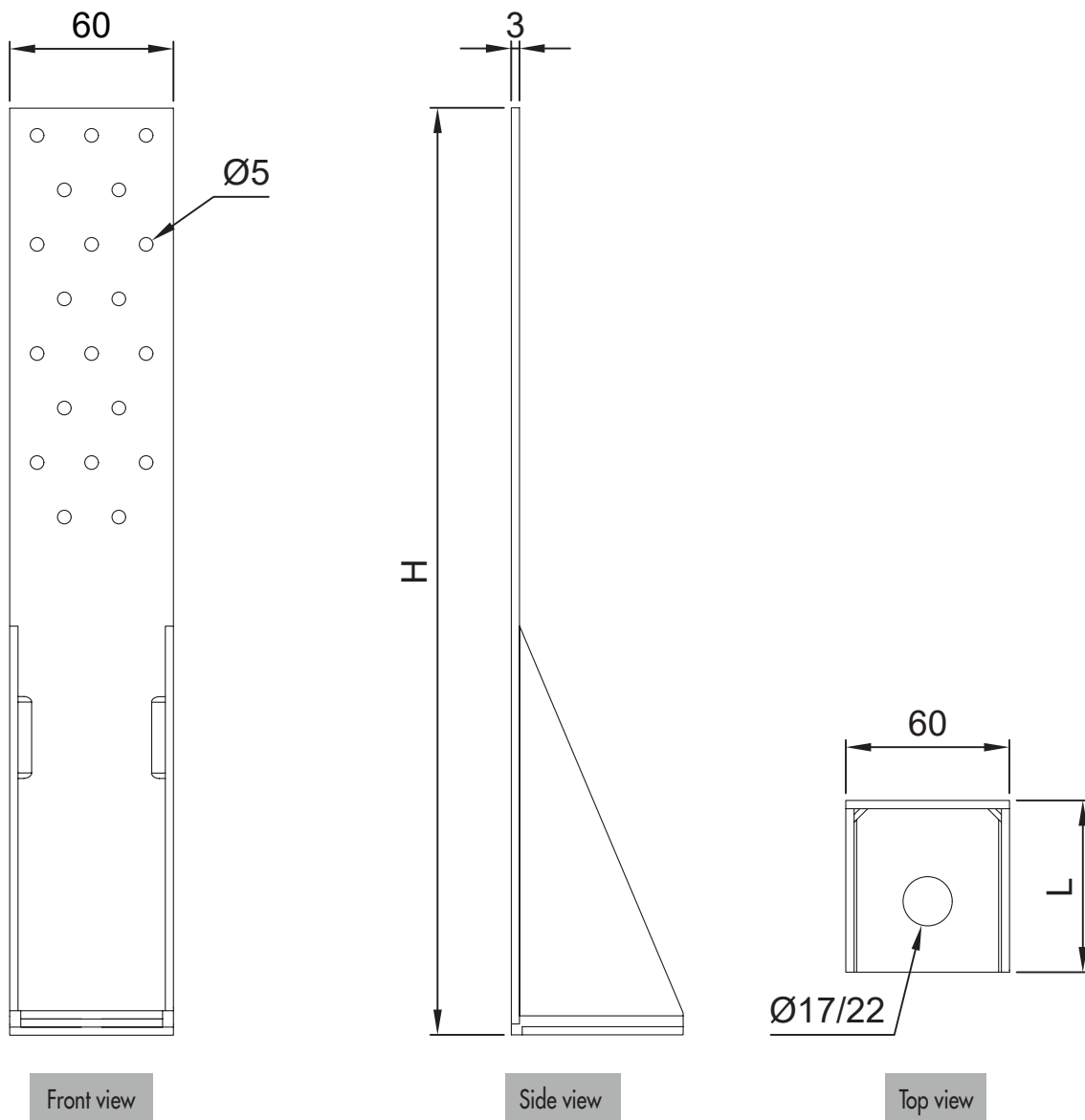
INSTRUCTION FOR USE

Fasteners: Angle-bracket screw **ETA-11 /0024** and multi plug The minimal values for dowel/bolts (FB,t,Ed) correspond with the values of the tensile load FRd **Maximum threshold height:** 150 mm taking into account the distances to the head grain edge according to EC5

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DRAWINGS



If you are not familiar with how this product is used, and particularly with the product's intended use, please contact our Application Technology department (technik@eurotec.team).