

PRODUCT DATA SHEET

PERFORATED TAPE

PRODUCT DESCRIPTION

Perforated tapes are used for diagonal stiffening or bracing of roof and wall constructions. They can be attached directly to the top or bottom side of the beams. Due to their low sheet thickness they do not interfere with the attachment of roof battens, plasterboard, formwork or similar. If a single perforated tape is not sufficient for structural reasons, two or more panicle strips can be attached next to each other. The Eurotec Perforated tapes have meter markings from 1 to 50 meters. This eliminates the tedious measuring the panicle tapes and it is always possible to see how many meters are left on the roll, which minimizes unnecessary storage costs for opened rolls. The panicle tapes also have a CE marking according to EN 14595.



APPLICATIONS

- Conditionally corrosion-resistant and suitable for use in service classes 1 and 2 according to DIN EN 1995 (Eurocode 5)
- Diagonal bracing of roof and wall constructions

MATERIAL

- S350GD
- Structural steel according to DIN EN 10346/DIN EN 10143

PRODUCT TABLE

Art. no.	Dimensions [mm]	Material thickness [mm]	PU
904766	40 x 50000	1,5	1
904767	60 x 50000	1,5	1
904784	80 x 25000	1,5	1

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TECHNICAL DATA:

Material values according to EN 10346:2004

Essential characteristics	Performance
steel grade	S355JR
zinc coating	275 g/m ²
yield strength R_{eH}	min. 355 N/mm ²
tensile strength $R_{m,min}$	min. 510 N/mm ²
elongation of break A_{80min}	15 %

Characteristic shear force bearing capacity per anchor nail according to ETA-22/0083	Material thickness perforated tape S=1,5			
	Characteristic shear force bearing capacity $F_{v,Rk}$ mit [$\rho_k=350$ kg/m ³]	NK2 KLED-permanent $k_{mod}=0,6; \gamma_m=1,3$	NK2 KLED-medium $k_{mod}=0,8; \gamma_m=1,3$	NK2 KLED-short $k_{mod}=0,9; \gamma_m=1,3$
	[kN]	[kN]	[kN]	[kN]
4 x 40	1,904	0,879	1,172	1,318
4 x 50	2,262	1,044	1,392	1,566
4 x 60	2,448	1,130	1,506	1,695

MINIMUM- AND EDGE DISTANCES

According to EN 1995-1-1 for grooved nails and wood connector screws

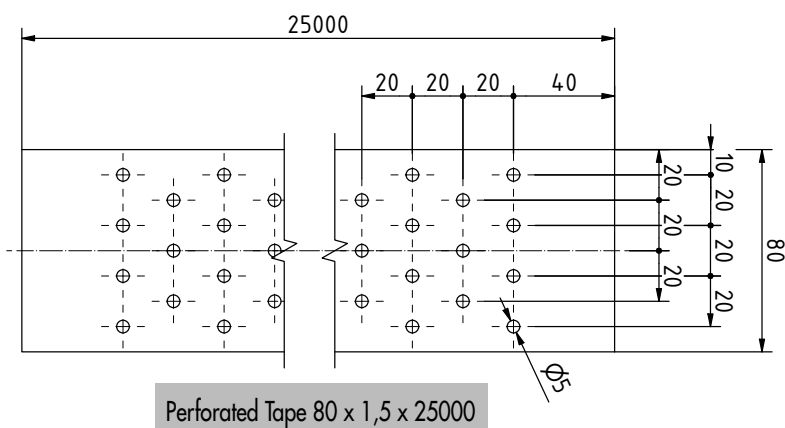
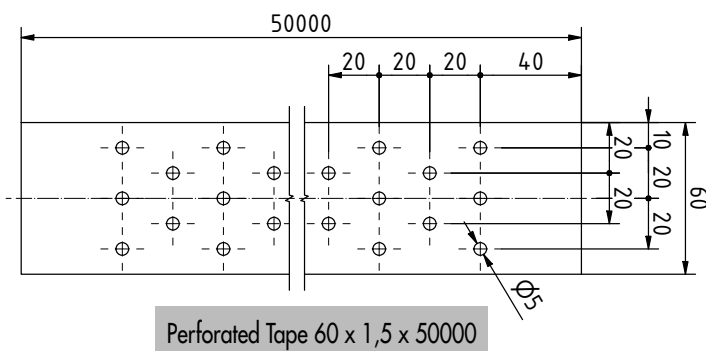
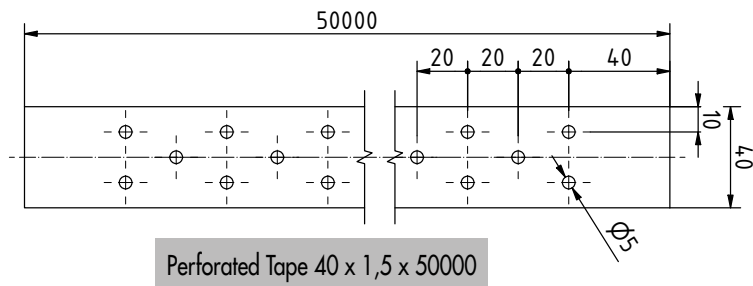
		Force parallel to the fiber	Force perpendicular to the fiber	Angle	
α_1	In grain direction	10 x d	5d	$0^\circ \leq \alpha \leq 360^\circ$	$(5+5 \times \cos \alpha) \times d$
α_2	rectangular to the grain direction	5 x d	5d	$0^\circ \leq \alpha \leq 360^\circ$	5 x d
α_{3t}	loaded end grain	15 x d	10d	$-90^\circ \leq \alpha \leq 90^\circ$	$(10+5 \times \cos \alpha) \times d$
α_{3c}	unloaded end grain	10 x d	10d	$90^\circ \leq \alpha \leq 270^\circ$	10 x d
α_{4t}	loaded edge	5 x d	7d	$0^\circ \leq \alpha \leq 180^\circ$	$(5+2 \times \sin \alpha) \times d$
α_{4c}	unloaded edge	5 x d	5d	$180^\circ \leq \alpha \leq 360^\circ$	5 x d

For further angles between force and grain see EN 1995-1-1 Tab.8.2

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TECHNICAL DRAWINGS



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