

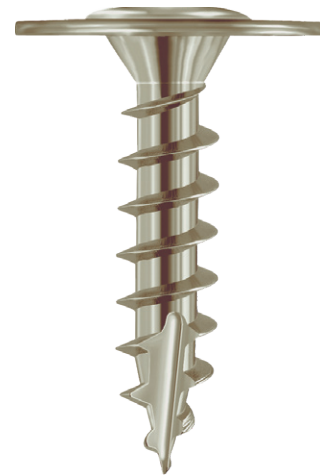
PRODUCT DATA SHEET

FENCE POST CONNECTION SCREW 1000

PRODUCT DESCRIPTION

The post connector screw is a self-drilling pan head screw with a head diameter of 22 mm and is used to connect sheet steel to wood.

This screw is used, among other things, to connect wooden posts to steel sheet parts such as joist hangers, post feet and post anchors (e.g., H-post anchors), as well as hammer-in and screw-on sockets for constructing fences and pergolas.



ADVANTAGES / FEATURES

- Special tip geometry reduces the splitting effect
→ no pilot drilling required
- Special protection against corrosion
- For use in applications such as fence and pergola construction

MATERIAL

- Hardened carbon steel, special „1000“ coating
- Can be used in service classes 1 and 2 according to DIN EN 1995 (Eurocode 5)
- Withstands up to 1,000 hours of salt spray testing according to DIN EN ISO 9227 NSS
- Corrosivity category C4 long according to DIN EN ISO 12944-6
- Good resistance to mechanical stresses
- Not suitable for tannin-containing woods

CERTIFICATION

- European Technical Approval ETA-11/0024 Self-tapping screws for use in timber structures



NKL 1–2

C4

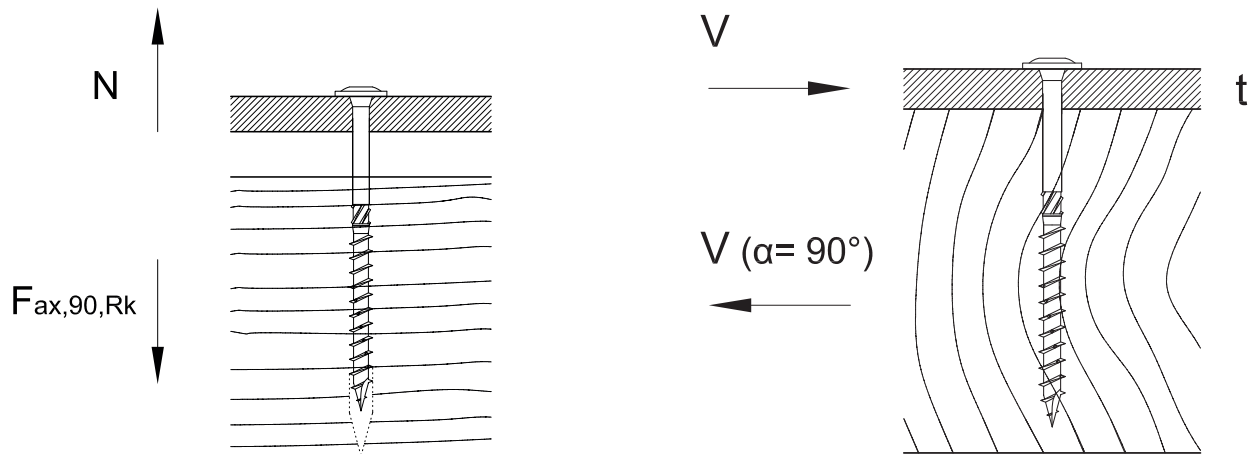
C5

PRODUCT DATA SHEET

FENCE POST CONNECTION SCREW 1000

TECHNICAL INFORMATION

Fence post connection screw 1000			
Art. no.	Dimension	Steel-Wood Extraction resistance	Steel-Wood shearing
	$\varnothing d \times L$ [mm]	$R_{ax,k}$ [kN]	R_k [kN]
r903056	8 x 40	3,20	2,35
r903057	8 x 50	4,08	3,05
975594	10 x 40	4,10	3,14
975595	10 x 50	4,32	3,29



Calculation according to ETA-11/0024. Wood density $\rho_k = 350 \text{ kg/m}^3$. All mechanical values provided should be viewed as subject to the assumptions that have been made and represent example calculations. All values are calculated minimum values and are subject to typographical and printing errors.

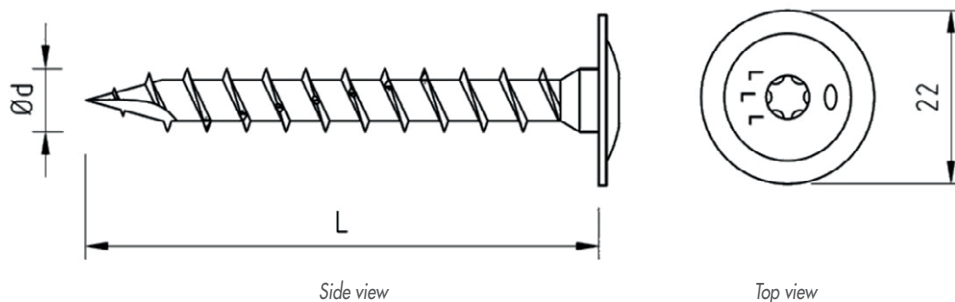
Characteristic values of the load-bearing capacity R_k should be reduced to dimensioning values R_d with regard to the usage class and class of the load duration: $R_d = R_k \cdot k_{mod} / \gamma_M$. The dimensioning values of the load-bearing capacity R_d should be contrasted with the dimensioning values of the loads ($R_d \geq E_d$).

Please note: These are planning aids. Projects must only be calculated by authorised persons.

PRODUCT DATA SHEET

FENCE POST CONNECTION SCREW 1000

TECHNICAL INFORMATION



ARTICLE TABLE

Fence post connection screw 1000						
Art. no.	Dimension Ød x L [mm]	Thread length [mm]	Head diameter Ød _h [mm]	Attachment thickness t [mm]	Drive	PU
r903056	8 x 40	33	22	4	TX40 ●	100
r903057	8 x 50	43	22	4	TX40 ●	100
975594	10 x 40	33	22	4	TX40 ●	50
975595	10 x 50	43	22	4	TX40 ●	50

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).