

PRODUCT DATA SHEET

PANELTWISTEC AG, FLANGE BUTTON HEAD SCREWS, HARDENED STAINLESS STEEL

PRODUCT DESCRIPTION

Paneltwistec AG, flange button head screws, hardened stainless steel is a wood construction screw with a special screw tip and milling ribs above the thread. The special geometry of the screw tip reduces the torque needed to drive it in and minimises the risk of the timber splitting.

The larger head diameter allows for considerably higher torque and head pull-through capacity. This makes for better use of the screw's tensile load-bearing strength.

APPLICATIONS

- Conditionally corrosion-resistant and suitable for use in service classes 1, 2 and 3 according to DIN EN 1995 (Eurocode 5)
- Not suitable for woods containing high levels of tannin, such as cumarú, oak, merbau, robinia, etc.
- Bedingt säurebeständig
- Not suitable for salty or chlorinated atmospheres

MATERIAL

- Hardened stainless steel (Martensitic stainless steel 1.4006 (C1))
- Stainless steel according to DIN EN 10088 (magnetisable)
- 50% higher breaking torque than A2 and A4
- 20 years of experience without any corrosion problems when used with suitable woods



Note

With martensitic steel, also known as martensite, many different substances can be added as an alloy. The key point is that the chromium content must be between 10.5 % and 13 %. Just as the carbon content must be between 0.2 % and 1 %.

CERTIFICATION

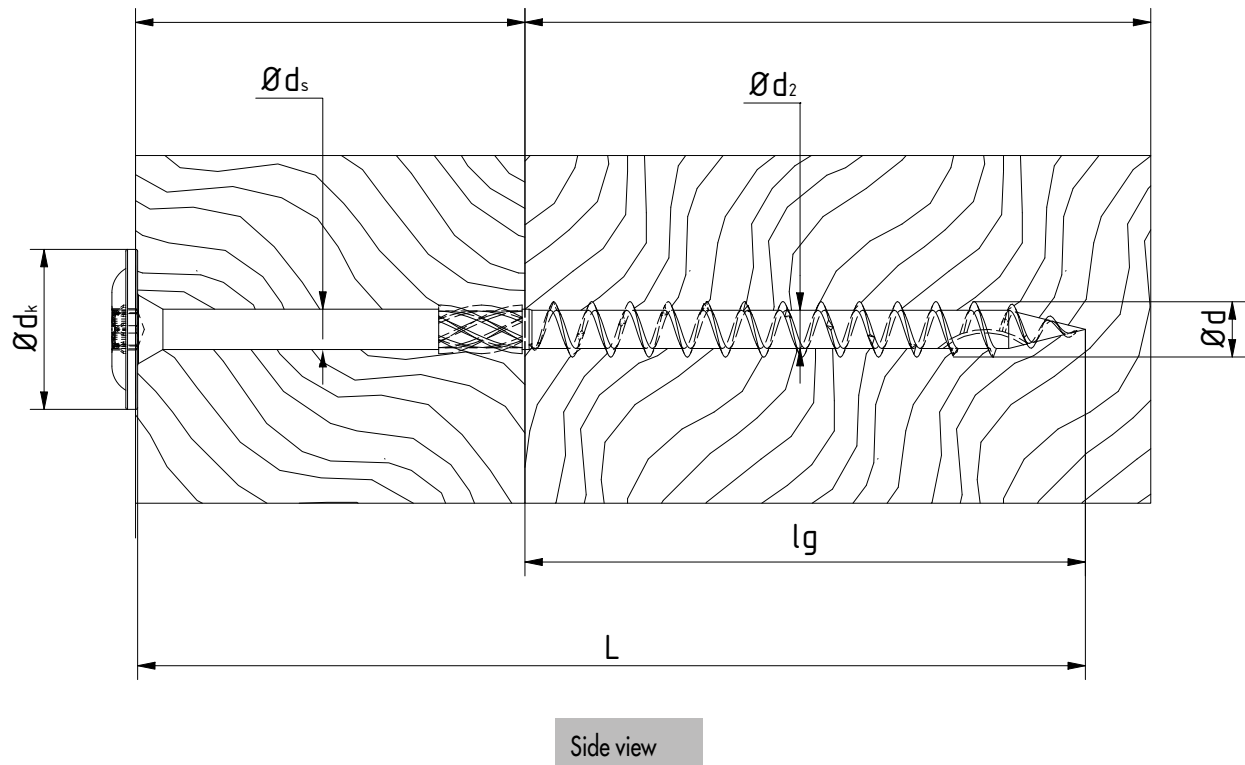
- European Technical Assessment ETA-11/0024 Self-tapping screws as wood connectors



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TECHNICAL INFORMATION



Paneltwistec AG, flange button head screws, hardened stainless steel

Nominal-Ø	Head-Ø	Root-Ø	Shaft-Ø	Head shape	Head angle	char. tensile capacity	char. yield moment	char. withdrawal parameter	char. head pull-through parameter	char. torsional strength
d [mm]	dh [mm]	di [mm]	ds [mm]	—	[Degree°]	[kN]	[Nm]	[N/mm ²]	[N/mm ²]	[Nm]
6	14,0	4,0	4,4	TK	60	11,0	9,5	11,4	12	9,5

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SCREWS, HARDENED STAINLESS STEEL****PRODUCT TABLE**

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Art. no.	Dimensions Ød x L [mm]	Drive	Thread length [mm]	PU
975771	6,0 x 40	TX30 •	40	100
975772	6,0 x 60	TX30 •	36	100
975773	6,0 x 80	TX30 •	48	100
975774	6,0 x 100	TX30 •	60	100
975775	6,0 x 120	TX30 •	70	100
975776	6,0 x 140	TX30 •	70	100
975777	6,0 x 160	TX30 •	70	100

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).