

PRODUCT DATA SHEET

WING-TIPPED DRILLING SCREW

PRODUCT DESCRIPTION

The wing-tipped drilling screw **made of hardened stainless steel or carbon steel is a screw** that was specifically developed for fixing narrow profiles. The screw has a **drill point with special clearing wings and a countersunk head with TX drive**.

ADVANTAGES

- No pre-drilling required; clearing blades drill the wood larger than the thread diameter of the screw.
- Core hole and counter thread in steel are drilled and/or shaped independently.
- Outdoors, the screw is only suitable for steel-wood connections with one screw per fixing point.
- Not suitable for dynamically stressed connections such as bridge floorings.
- Screws can be screwed in smoothly thanks to the TX drive.

MATERIAL

Hardened stainless steel

Stainless steel according to DIN EN 10088

- Acid-resistant to a limited extent
- 10 years of experience without corrosion problems in suitable woods
- 50% higher breaking strength than A2 and A4
- Magnetisable
- Can be used in service classes 1, 2 and 3
- Not suitable for woods containing a large amount of tannins such as cumarú, oak, merbau, robinia, etc.
- Not suitable for salty atmospheres
- Not suitable for chlorinated atmospheres

Blue zinc-plated steel

- High strength
 - Hardened due to heat treatment
 - Can be used in service classes 1 and 2 according to DIN EN 1995-Eurocode 5



APPLICATION IMAGE



The wing-tipped drilling screw through wood and steel.

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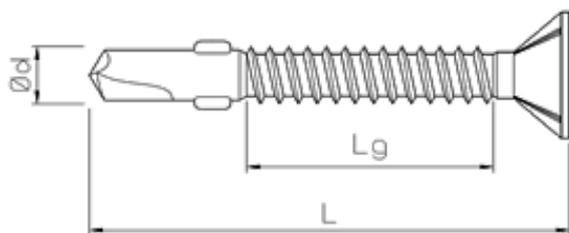
PRODUCT TABLE

Wing-tipped drilling screw

Art. no.	Dimensions $\varnothing d \times L$ [mm]	Thread length l_g [mm]	Head diameter $\varnothing d_h$ [mm]	Drive	Clamping thickness ^{a)}	Bore diameter [mm]	PU
Hardened stainless steel							
901990	4.8 x 38	22	9.5	TX25 •	20	3	200
111404	5.5 x 45	26.5	10.8	TX30 •	25	3	200
111405	5.5 x 50	32	10.8	TX30 •	30	3	200
111406	6.3 x 60	31	12.4	TX30 •	35	5	200
901585	6.3 x 70	41	12.4	TX30 •	45	5	200
904333	6.3 x 80	41	12.4	TX30 •	55	5	200
901581	6.3 x 85	46	12.4	TX30 •	60	5	100
901584	6.3 x 110	46	12.4	TX30 •	85	5	100
Blue zinc-plated steel							
111841	4.2 x 32	17	8.1	TX20 •	15	3	500
111842	4.2 x 38	23	8.1	TX20 •	20	3	500
111843	4.8 x 45	27	9.5	TX25 •	25	3	500
111844	5.5 x 50	32	10.8	TX30 •	30	3	200
111408	5.5 x 120	41	10.8	TX30 •	100	3	200
111409	5.5 x 60	41	10.8	TX30 •	40	3	200
111410	5.5 x 70	51	10.8	TX30 •	50	3	200
111411	5.5 x 80	61	10.8	TX30 •	60	3	200
111412	5.5 x 100	81	10.8	TX30 •	80	3	200
111413	5.5 x 120	101	10.8	TX30 •	100	3	200
111414	6.3 x 100	46	12.4	TX30 •	75	5	200
111415	6.3 x 120	46	12.4	TX30 •	95	5	200
111845	6.3 x 50	31	12.4	TX30 •	25	5	200
111846	6.3 x 60	31	12.4	TX30 •	35	5	200
111847	6.3 x 70	41	12.4	TX30 •	45	5	200
111848	6.3 x 80	46	12.4	TX30 •	55	5	200

a) Clamping thickness = attachment part thickness + plate thickness t ; t_{max} = bore diameter

DRAWINGS



Side view



Top view

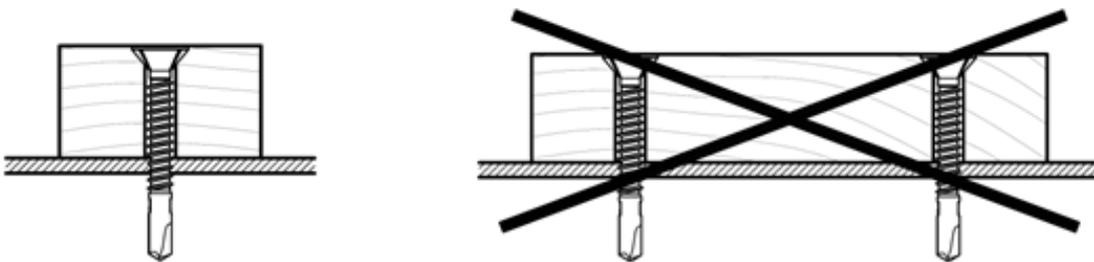
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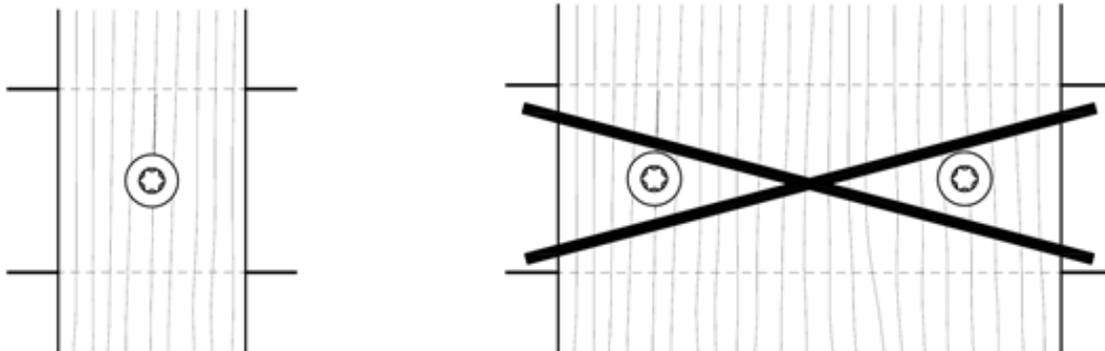


INSTRUCTIONS FOR USE

The wing-tipped drilling screw is only intended for fixing narrow profiles, i.e. for applications where there is only one screw per fixing point. When fixing boards, for example, with two screws per fixing point, they interfere with one another when they 'bend' with the 'working' wood and shear off. This can also happen with relatively soft coniferous wood. The wing-tipped drilling screw is not suitable for fixing wood/aluminium joints.



By screwing the boards individually, this prevents the wing-tipped drilling screw from cracking or breaking.



Multiple screws per fastening point create the risk of individual screws cracking if the wood swells.

If you are not familiar with how to use this product, especially with its intended use, get in touch with our Application Engineering Department (technik@eurotec.team).