

Product data sheet – Paneltwistec AG

Product description

The Paneltwistec AG wood screws of specially coated and hardened carbon steel have a special screw tip and milled ribs above the thread. The screw is available in the forms „countersunk head“ and „flat plate head“.

The special geometry of the Schraubenspitze AG screw brings about a reduction of the screwing torque and in addition leads to a lower splitting effect when screwing in the screw.

Material

Hardened **carbon steel**, specially coated

- A seal is applied to a galvanised surface whereby the seal reacts with the galvanised surface. In this way any weak points in the galvanising are also reliably enclosed and protected.
- Corrosion resistance up to three times higher than that of surfaces with conventional blue electrogalvanising
- Applicable in service classes 1 and 2 to DIN EN 1995-Eurocode 5
- Good resistance to mechanical loading
- Inhibits contact corrosion with fixtures
- Contains no chromium(VI) oxide
- Not suitable for wood containing tannins



Advantages

- Faster and simpler screwing-in
- Lower splitting effect
- National and international approvals
- Higher corrosion resistance than conventional galvanising
- Applicable in service classes 1 and 2
- Contains no chromium(VI) oxide
- Resistant to mechanical loading
- Inhibits contact corrosion with fixtures
- No knocking of the screws when screwing in with a TX drive

Certification

- European Technical Approval ETA-11/0024
- Self-drilling screws as wood fastener



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Article table

Paneltwistec AG countersunk-head screw, special coated steel					
Art.-No.	Dimensions Ød x L [mm]	Thread length lg [mm]	Diameter of head dh [mm]	Drive	PU
945436	3,5 x 30	18	7,0	TX 15 ●	1000
945838	3,5 x 35	21	7,0	TX 15 ●	1000
945437	3,5 x 40	24	7,0	TX 15 ●	1000
945490	3,5 x 50	30	7,0	TX 15 ●	500
945491	4,0 x 30	18	8,0	TX 20 ●	1000
945836	4,0 x 35	21	8,0	TX 20 ●	1000
945492	4,0 x 40	24	8,0	TX 20 ●	1000
945493	4,0 x 45	27	8,0	TX 20 ●	500
945494	4,0 x 50	30	8,0	TX 20 ●	500
945495	4,0 x 60	36	8,0	TX 20 ●	200
945496	4,0 x 70	42	8,0	TX 20 ●	200
945497	4,0 x 80	48	8,0	TX 20 ●	200
945498	4,5 x 40	24	9,0	TX 25 ●	500
945588	4,5 x 45	27	9,0	TX 25 ●	500
945499	4,5 x 50	30	9,0	TX 25 ●	500
945567	4,5 x 60	36	9,0	TX 25 ●	200
945568	4,5 x 70	42	9,0	TX 25 ●	200
945569	4,5 x 80	48	9,0	TX 25 ●	200
945574	5,0 x 40	24	10,0	TX 25 ●	200
945837	5,0 x 45	27	10,0	TX 25 ●	200
945575	5,0 x 50	30	10,0	TX 25 ●	200
945576	5,0 x 60	36	10,0	TX 25 ●	200
945577	5,0 x 70	42	10,0	TX 25 ●	200
945578	5,0 x 80	48	10,0	TX 25 ●	200
945579	5,0 x 90	54	10,0	TX 25 ●	200
945580	5,0 x 100	60	10,0	TX 25 ●	200
945581	5,0 x 120	70	10,0	TX 25 ●	200

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Art.-No.	Dimensions Ød x L [mm]	Thread length lg [mm]	Diameter of head dh [mm]	Drive	PU
945583	6,0 x 60	36	12,0	TX 30 •	200
945584	6,0 x 70	42	12,0	TX 30 •	200
945632	6,0 x 80	48	12,0	TX 30 •	200
945633	6,0 x 90	54	12,0	TX 30 •	100
945634	6,0 x 100	60	12,0	TX 30 •	100
945636	6,0 x 120	70	12,0	TX 30 •	100
945637	6,0 x 130	70	12,0	TX 30 •	100
945638	6,0 x 140	70	12,0	TX 30 •	100
945640	6,0 x 160	70	12,0	TX 30 •	100
945641	6,0 x 180	70	12,0	TX 30 •	100
945642	6,0 x 200	70	12,0	TX 30 •	100
945643	6,0 x 220	70	12,0	TX 30 •	100
945644	6,0 x 240	70	12,0	TX 30 •	100
945645	6,0 x 260	70	12,0	TX 30 •	100
945646	6,0 x 280	70	12,0	TX 30 •	100
945647	6,0 x 300	70	12,0	TX 30 •	100
945648	8,0 x 80	50	14,5	TX 30 •	100
945649	8,0 x 100	60	14,5	TX 30 •	100

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Art.-No.	Dimensions Ød x L [mm]	Thread length lg [mm]	Diameter of head Ødh [mm]	Drive	PU
945650	8,0 x 120	70	14,5	TX40 ●	100
945651	8,0 x 140	80	14,5	TX40 ●	100
945652	8,0 x 160	90	14,5	TX40 ●	100
945654	8,0 x 180	100	14,5	TX40 ●	50
945655	8,0 x 200	100	14,5	TX40 ●	50
945656	8,0 x 220	100	14,5	TX40 ●	50
945657	8,0 x 240	100	14,5	TX40 ●	50
945658	8,0 x 260	100	14,5	TX40 ●	50
945659	8,0 x 280	100	14,5	TX40 ●	50
945678	8,0 x 300	100	14,5	TX40 ●	50
945679	8,0 x 320	100	14,5	TX40 ●	50
945680	8,0 x 340	100	14,5	TX40 ●	50
945681	8,0 x 360	100	14,5	TX40 ●	50
945682	8,0 x 380	100	14,5	TX40 ●	50
945683	8,0 x 400	100	14,5	TX40 ●	50
945684	8,0 x 420	100	14,5	TX40 ●	50
945685	8,0 x 440	100	14,5	TX40 ●	50
945686	8,0 x 460	100	14,5	TX40 ●	50
945876	8,0 x 480	100	14,5	TX40 ●	50
945877	8,0 x 500	100	14,5	TX40 ●	50
945879	8,0 x 550	100	14,5	TX40 ●	50
945880	8,0 x 600	100	14,5	TX40 ●	50
945687	10,0 x 100	60	18,0	TX 50 ●	50
945688	10,0 x 120	70	18,0	TX 50 ●	50
945689	10,0 x 140	80	18,0	TX 50 ●	50
945690	10,0 x 160	90	18,0	TX 50 ●	50
945691	10,0 x 180	100	18,0	TX 50 ●	50
945692	10,0 x 200	100	18,0	TX 50 ●	50
945693	10,0 x 220	100	18,0	TX 50 ●	50
945694	10,0 x 240	100	18,0	TX 50 ●	50
945695	10,0 x 260	100	18,0	TX 50 ●	50
945696	10,0 x 280	100	18,0	TX 50 ●	50
945697	10,0 x 300	100	18,0	TX 50 ●	50
945698	10,0 x 320	100	18,0	TX 50 ●	50
945699	10,0 x 340	100	18,0	TX 50 ●	50
945703	10,0 x 360	100	18,0	TX 50 ●	50
945709	10,0 x 380	100	18,0	TX 50 ●	50
945711	10,0 x 400	100	18,0	TX 50 ●	50

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Paneltwistec AG flanged button-head screw, special coated steel					
Art.-No.	Dimensions Ød x L [mm]	Thread length lg [mm]	Diameter of head dh [mm]	Drive	PU
946158	4,0 x 40	24	10,0	TX 20 ●	500
946159	4,0 x 50	30	10,0	TX 20 ●	500
946160	4,0 x 60	36	10,0	TX 20 ●	500
946161	4,5 x 50	30	11,0	TX 25 ●	200
946162	4,5 x 60	36	11,0	TX 25 ●	200
946163	4,5 x 70	42	11,0	TX 25 ●	200
946037	5,0 x 50	30	12,0	TX 25 ●	200
946038	5,0 x 60	36	12,0	TX 25 ●	200
946039	5,0 x 70	42	12,0	TX 25 ●	200
946040	5,0 x 80	48	12,0	TX 25 ●	200
946042	5,0 x 100	60	12,0	TX 25 ●	200
946044	5,0 x 120	70	12,0	TX 30 ●	200
945947	6,0 x 30	Fully threaded	14,0	TX 30 ●	100
945948	6,0 x 40	Fully threaded	14,0	TX 30 ●	100
945712	6,0 x 50	30	14,0	TX 30 ●	100
945713	6,0 x 60	36	14,0	TX 30 ●	100
945716	6,0 x 70	42	14,0	TX 30 ●	100
945717	6,0 x 80	48	14,0	TX 30 ●	100
945718	6,0 x 90	54	14,0	TX 30 ●	100
945719	6,0 x 100	60	14,0	TX 30 ●	100
945720	6,0 x 110	70	14,0	TX 30 ●	100
945721	6,0 x 120	70	14,0	TX 30 ●	100
945722	6,0 x 130	70	14,0	TX 30 ●	100
945723	6,0 x 140	70	14,0	TX 30 ●	100
945724	6,0 x 150	70	14,0	TX 30 ●	100
945725	6,0 x 160	70	14,0	TX 30 ●	100
945726	6,0 x 180	70	14,0	TX 30 ●	100
945727	6,0 x 200	70	14,0	TX 30 ●	100
945728	6,0 x 220	70	14,0	TX 30 ●	100
945729	6,0 x 240	70	14,0	TX 30 ●	100
945730	6,0 x 260	70	14,0	TX 30 ●	100
945731	6,0 x 280	70	14,0	TX 30 ●	100
945732	6,0 x 300	70	14,0	TX 30 ●	100
945733	8,0 x 80	50	22,0	TX40 ●	50
945734	8,0 x 100	60	22,0	TX40 ●	50
945735	8,0 x 120	70	22,0	TX40 ●	50
945736	8,0 x 140	80	22,0	TX40 ●	50
945737	8,0 x 160	90	22,0	TX40 ●	50
945738	8,0 x 180	100	22,0	TX40 ●	50

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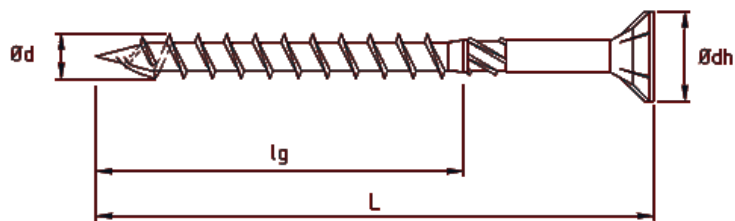
Paneltwistec AG flanged button-head screw, special coated steel					
Art.-No.	Dimensions Ød x L [mm]	Thread length lg [mm]	Diameter of head dh [mm]	Drive	PU
945739	8,0 x 200	100	22,0	TX40 ●	50
945740	8,0 x 220	100	22,0	TX40 ●	50
945741	8,0 x 240	100	22,0	TX40 ●	50
945742	8,0 x 260	100	22,0	TX40 ●	50
945743	8,0 x 280	100	22,0	TX40 ●	50
945744	8,0 x 300	100	22,0	TX40 ●	50
945745	8,0 x 320	100	22,0	TX40 ●	50

Paneltwistec AG flanged button-head screw, special coated steel					
Art.-No.	Dimensions Ød x L [mm]	Thread length lg [mm]	Diameter Ødh [mm]	Drive	PU
945746	8,0 x 340	100	22,0	TX40 ●	50
945747	8,0 x 360	100	22,0	TX40 ●	50
945748	8,0 x 380	100	22,0	TX40 ●	50
945749	8,0 x 400	100	22,0	TX40 ●	50
946150	8,0 x 420	100	22,0	TX40 ●	25
946151	8,0 x 440	100	22,0	TX40 ●	25
946152	8,0 x 460	100	22,0	TX40 ●	25
946153	8,0 x 480	100	22,0	TX40 ●	25
946154	8,0 x 500	100	22,0	TX40 ●	25
946155	8,0 x 550	100	22,0	TX40 ●	25
946156	8,0 x 600	100	22,0	TX40 ●	25
945750	10,0 x 80	100	25,0	TX 50 ●	50
945751	10,0 x 100	100	25,0	TX 50 ●	50
945752	10,0 x 120	100	25,0	TX 50 ●	50
945753	10,0 x 140	100	25,0	TX 50 ●	50
945754	10,0 x 160	100	25,0	TX 50 ●	50
945755	10,0 x 180	100	25,0	TX 50 ●	50
945756	10,0 x 200	100	25,0	TX 50 ●	50
945757	10,0 x 220	100	25,0	TX 50 ●	50
945758	10,0 x 240	100	25,0	TX 50 ●	50
945759	10,0 x 260	100	25,0	TX 50 ●	50
945760	10,0 x 280	100	25,0	TX 50 ●	50
945761	10,0 x 300	100	25,0	TX 50 ●	50
945762	10,0 x 320	100	25,0	TX 50 ●	50
945763	10,0 x 340	100	25,0	TX 50 ●	50
945764	10,0 x 360	100	25,0	TX 50 ●	25
945765	10,0 x 380	100	25,0	TX 50 ●	25
945766	10,0 x 400	100	25,0	TX 50 ●	25

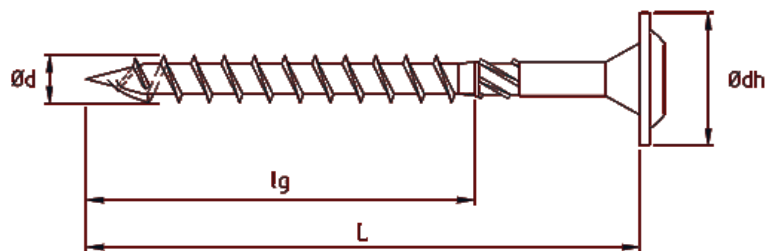
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Drawings

- Paneltwistec AG countersunk-head screw, special coated steels



- Paneltwistec AG flanged button-head screw, special coated steel



If you are not familiar with the application of the product at hand, especially with the handling according to given regulations, it is essential to get in contact with our technical application support department (Technik@eurotec.team).

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