

## Product data sheet – Paneltwistec 1000

### Product description

Made of a specially coated and hardened carbon steel, Paneltwistec 1000 is a fastener for load-bearing timber constructions between components made of solid timber (softwood), laminated timber, laminated veneer timber or similar bonded wood-based materials. The screw has a mill slot at the end of the thread and self-milling ribs above the thread, and is available in "countersunk head" and "flanged button head" varieties. Its special geometry reduces the splitting effect during screwing, and the special coating reduces the screwing resistance; i.e. the friction between the screw body and the wood is significantly reduced

### Material

Hardened **carbon steel**, special „1000“ coating

- Suitable for usage 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/C5-M long according to DIN EN ISO 12944-6
- Good resistance to mechanical stress
- Not suitable for tannin-containing woods



### Advantages

- Especially corrosion-resistant
- Resistant to mechanical stress
- Mill slot and self-milling ribs ensure quick and easy screwing
- No screw wobble during screwing with TX drive

### Certification

- European Technical Approval ETA-11/0024 Self-tapping screws for use in timber structures
- General building authority approval Z-9.1-661 Paneltwistec 1000 screws for use in timber structures
  - Dimensions: Ø 8.0 x 80 mm to Ø 10.0 x 400 mm



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## Article table

Paneltwistec 1000, countersunk head screw, special coated steel					
Art. no.	Dimensions Ød x L [mm]	Thread length lg [mm]	Head diameter Ødh [mm]	Drive	PU
r945035	3,0 x 16	Vollgewinde	5,6	TX10 ◯	1000
r903038	3,0 x 20	Vollgewinde	5,6	TX10 ◯	1000
r903039	3,0 x 25	Vollgewinde	5,6	TX10 ◯	1000
r903040	3,0 x 30	18	5,6	TX10 ◯	1000
r903041	3,0 x 35	21	5,6	TX10 ◯	1000
r903042	3,0 x 40	24	5,6	TX10 ◯	1000
r945036	3,5 x 12	Vollgewinde	7	TX20 ●	1000
r945037	3,5 x 16	Vollgewinde	7	TX20 ●	1000
r903043	3,5 x 20	Vollgewinde	7	TX20 ●	1000
r903044	3,5 x 25	Vollgewinde	7	TX20 ●	1000
r903045	3,5 x 30	18	7	TX20 ●	1000
r903046	3,5 x 35	21	7	TX20 ●	1000
r903047	3,5 x 40	24	7	TX20 ●	1000
r903048	3,5 x 50	27	7	TX20 ●	500
r945038	4,0 x 16	Vollgewinde	8	TX20 ●	1000
r903001	4,0 x 20	Vollgewinde	8	TX20 ●	1000
r903002	4,0 x 25	Vollgewinde	8	TX20 ●	1000
r903003	4,0 x 30	18	8	TX20 ●	1000
r903049	4,0 x 35	21	8	TX20 ●	1000
r903004	4,0 x 40	24	8	TX20 ●	1000
r903089	4,0 x 45	27	8	TX20 ●	500
r903005	4,0 x 50	30	8	TX20 ●	500
r903006	4,0 x 60	36	8	TX20 ●	200
r903007	4,0 x 70	42	8	TX20 ●	200
r903008	4,0 x 80	48	8	TX20 ●	200
r945039	4,5 x 16	Vollgewinde	9	TX20 ●	1000
r903050	4,5 x 25	Vollgewinde	9	TX20 ●	500
r903051	4,5 x 30	18	9	TX20 ●	500
r903052	4,5 x 35	21	9	TX20 ●	500
r903009	4,5 x 40	24	9	TX20 ●	500
r903010	4,5 x 50	30	9	TX20 ●	500
r903011	4,5 x 60	36	9	TX20 ●	200
r903012	4,5 x 70	42	9	TX20 ●	200
r903013	4,5 x 80	48	9	TX20 ●	200
r903468	4,5 x 90	54	9	TX20 ●	200
r903063	4,5 x 100	60	9	TX20 ●	200
r903053	5,0 x 25	Vollgewinde	10	TX20 ●	500
r903054	5,0 x 30	20	10	TX20 ●	500
r903055	5,0 x 35	21	10	TX20 ●	500
r903014	5,0 x 40	24	10	TX20 ●	200
r903579	5,0 x 45	27	10	TX20 ●	200
r903015	5,0 x 50	30	10	TX20 ●	200
r903016	5,0 x 60	36	10	TX20 ●	200
r903017	5,0 x 70	42	10	TX20 ●	200
r903018	5,0 x 80	48	10	TX20 ●	200

CAUTION: Screws with Ø = 3.0 mm are not regulated by an ETA or a building authority approval.

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Art. no.	Dimensions Ød x L [mm]	Thread length lg [mm]	Head diameter Ødh [mm]	Drive	PU
r903578	5,0 x 90	54	10	TX20 ●	200
r903019	5,0 x 100	60	10	TX20 ●	200
r903020	5,0 x 120	70	10	TX20 ●	200
r903581	6,0 x 40	24	12	TX30 ●	200
r903582	6,0 x 50	30	12	TX30 ●	200
r903021	6,0 x 60	36	12	TX30 ●	200
r903022	6,0 x 70	42	12	TX30 ●	200
r903023	6,0 x 80	48	12	TX30 ●	200
r903163	6,0 x 90	54	12	TX30 ●	100
r903024	6,0 x 100	60	12	TX30 ●	100
r903025	6,0 x 120	70	12	TX30 ●	100
r903026	6,0 x 130	70	12	TX30 ●	100
r903027	6,0 x 140	70	12	TX30 ●	100
r903029	6,0 x 160	70	12	TX30 ●	100
r903031	6,0 x 180	70	12	TX30 ●	100
r903032	6,0 x 200	70	12	TX30 ●	100
r903033	6,0 x 220	70	12	TX30 ●	100
r903034	6,0 x 240	70	12	TX30 ●	100
r903035	6,0 x 260	70	12	TX30 ●	100
r903036	6,0 x 280	70	12	TX30 ●	100
r903037	6,0 x 300	70	12	TX30 ●	100

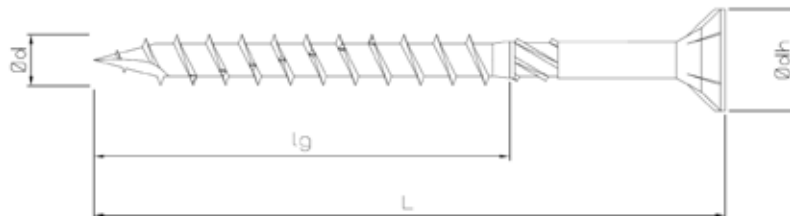
Paneltwistec 1000, flange button head screw, special coated steel					
Art. no.	Dimensions Ød x L [mm]	Thread length lg [mm]	Head diameter Ødh [mm]	Drive	PU
r901357	6,0 x 100	60	14	TX30 ●	100
r901359	6,0 x 120	70	14	TX30 ●	100
r901361	6,0 x 140	70	14	TX30 ●	100
r901364	6,0 x 180	70	14	TX30 ●	100
r901365	6,0 x 200	70	14	TX30 ●	100
r903060	8,0 x 80	48	22	TX40 ●	50
r903062	8,0 x 100	54	22	TX40 ●	50
r903064	8,0 x 120	60	22	TX40 ●	50
r903066	8,0 x 140	80	22	TX40 ●	50
r903067	8,0 x 160	80	22	TX40 ●	50
r903470	8,0 x 180	80	22	TX40 ●	50
r903069	8,0 x 200	80	22	TX40 ●	50
r903472	8,0 x 220	80	22	TX40 ●	50
r903071	8,0 x 240	80	22	TX40 ●	50
r903072	8,0 x 260	80	22	TX40 ●	50
r903073	8,0 x 280	80	22	TX40 ●	50
r903074	8,0 x 300	80	22	TX40 ●	50
r903475	8,0 x 360	80	22	TX40 ●	50
r903476	8,0 x 400	80	22	TX40 ●	50

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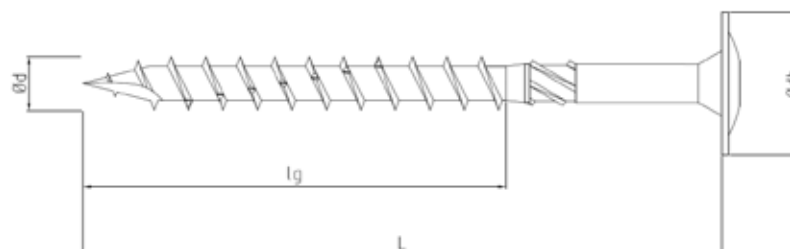
Paneltwistec 1000, flange button head screw, special coated steel					
Art. no.	Dimensions $\varnothing d \times L$ [mm]	Thread length $l_g$ [mm]	Head diameter $\varnothing dh$ [mm]	Drive	PU
r903077	10,0 x 60	36	25	TX50 •	50
r903079	10,0 x 80	50	25	TX50 •	50
r903081	10,0 x 100	60	25	TX50 •	50
r903083	10,0 x 120	70	25	TX50 •	50
r903085	10,0 x 160	90	25	TX50 •	50
r903056	10,0 x 180	100	25	TX50 •	50
r903087	10,0 x 200	100	25	TX50 •	50
r903088	10,0 x 220	100	25	TX50 •	50
r903089	10,0 x 240	100	25	TX50 •	50

## Drawings

- Paneltwistec 1000, countersunk head screw, special coated steel:



- Paneltwistec 1000, flange 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).