

Product data sheet – Hapatec

Product description

The Hapatec screw is made of hardened stainless steel and is a panel fastener, designed especially for hardwood. The screw has a scraping groove at the screw tip, milling ribs above the thread and a countersunk head. The Hapatec is also available in antique and black variants.

Material

Martensitic stainless steel 1.4006 (C1)
(Stainless steel according to DIN EN 10088)

Stainless Steel

- High resistance
 - 60% greater breaking torque than the V2A and V4A austenitic stainless steel
 - Hardened by heat treatment
- Usable in service classes 1 to 3 according to DIN EN 1995 (Eurocode 5)
- Limited corrosion resistance
- No acid resistance
 - Unsuitable for woods containing tannins such as cumarú, oak, intsia, robinia, etc.
- Unsuitable for use in aggressive, salty or chlorinated environments
- Magnetisable



Advantages

- Milling ribs simplify countersinking in all wood types
- The special screw geometry reduces the risk of wood splintering
 - But pre-drilling is strongly recommended especially for hardwoods used in terrace and façade construction!
- Corrosion-resistant up to and including service class 3 – ‘freely exposed structures’ according to DIN EN 1995 (Eurocode 5)
- National and international certification
- No screw-hammering when screwed in with TX drive

Certification

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



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Product table

Hapatec – hardened stainless steel					
Art. no.	Dimensions Ød x L [mm]	Thread length lg [mm]	Head diameter Ødk [mm]	Drive	PU
111803	4,0 x 30	18	6,0	TX15 ●	500
111810	4,0 x 40	26	6,0	TX15 ●	500
111821	4,0 x 45	28	6,0	TX15 ●	500
111811	4,0 x 50	30	6,0	TX15 ●	500
111812	4,0 x 60	36	6,0	TX15 ●	500
904569	4,5 x 45	28	7,0	TX20 ●	200
111813	4,5 x 50	30	7,0	TX20 ●	200
111813/RAL7030*	4,5 x 50	30	7,0	TX20 ●	200
111814	4,5 x 60	36	7,0	TX20 ●	200
111815	4,5 x 70	42	7,0	TX20 ●	200
111816	4,5 x 80	48	7,0	TX20 ●	200
111816/RAL7030*	4,5 x 80	48	7,0	TX20 ●	200
100048	5,0 x 40	26	7,5	TX25 ●	200
100049	5,0 x 45	28	7,5	TX25 ●	200
111817	5,0 x 50	30	7,5	TX25 ●	200
111818	5,0 x 60	36	7,5	TX25 ●	200
111819	5,0 x 70	42	7,5	TX25 ●	200
111820	5,0 x 80	48	7,5	TX25 ●	200
111888	5,0 x 90	54	7,5	TX25 ●	200
111889	5,0 x 100	60	7,5	TX25 ●	200

* Painted head RAL7030

Hapatec – hardened stainless steel					
Art. no.	Dimensions Ød x L [mm]	Thread length lg [mm]	Head diameter Ødk [mm]	Drive	PU
904569-EIMER	4,5 x 45	28	7,0	TX20 ●	500
111813-EIMER	4,5 x 50	30	7,0	TX20 ●	500
111814-EIMER	4,5 x 60	36	7,0	TX20 ●	500
111815-EIMER	4,5 x 70	42	7,0	TX20 ●	500
111816-EIMER	4,5 x 80	48	7,0	TX20 ●	500
100048-EIMER	5,0 x 40	26	7,5	TX25 ●	500
111817-EIMER	5,0 x 50	30	7,5	TX25 ●	500
111817-200	5,0 x 50	30	7,5	TX25 ●	200
111818-EIMER	5,0 x 60	36	7,5	TX25 ●	500
111818-200	5,0 x 60	36	7,5	TX25 ●	200
111819-EIMER	5,0 x 70	42	7,5	TX25 ●	500
111819-200	5,0 x 70	42	7,5	TX25 ●	200
111820-EIMER	5,0 x 80	48	7,5	TX25 ●	500
111820-200	5,0 x 80	48	7,5	TX25 ●	200

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Hapatec antique – hardened stainless steel

Art. no.	Dimensions Ød x L [mm]	Thread length lg [mm]	Head diameter Ødk [mm]	Drive	PU
B111817	5,0 x 50	30	7,5	TX25 ●	200
B111818	5,0 x 60	36	7,5	TX25 ●	200

Hapatec black – hardened stainless steel

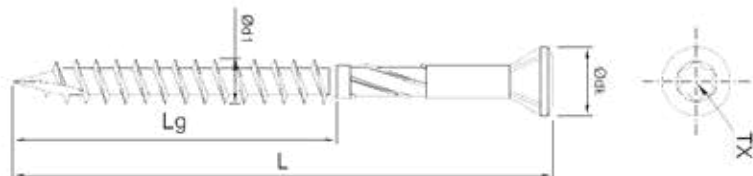
Art. no.	Dimensions Ød x L [mm]	Thread length lg [mm]	Head diameter Ødk [mm]	Drive	PU
111802/BLACK	4,0 x 35	24	6,0	TX15 ●	500
111810/BLACK	4,0 x 40	26	6,0	TX15 ●	500
111811/BLACK	4,0 x 50	30	6,0	TX15 ●	500
111812/BLACK	4,0 x 60	36	6,0	TX15 ●	500
111822/BLACK	4,5 x 40	26	7,0	TX20 ●	200
111813/BLACK	4,5 x 50	30	7,0	TX20 ●	200
111814/BLACK	4,5 x 60	36	7,0	TX20 ●	200
111815/BLACK	4,5 x 70	42	7,0	TX20 ●	200
111817/BLACK	5,0 x 50	30	7,5	TX25 ●	200
111818/BLACK	5,0 x 60	36	7,5	TX25 ●	200
111819/BLACK	5,0 x 70	42	7,5	TX25 ●	200
111820/BLACK	5,0 x 80	48	7,5	TX25 ●	200
111889/BLACK	5,0 x 100	60	7,5	TX25 ●	200

Hapatec in bucket, black

Art. no.	Dimensions Ød x L [mm]	Thread length lg [mm]	Head diameter Ødk [mm]	Drive	PU
111810-200-BLACK	4,0 x 40	26	6,0	TX15 ●	200
111811-200-BLACK	4,0 x 50	30	6,0	TX15 ●	200
111812-200-BLACK	4,0 x 60	36	6,0	TX15 ●	200
111813-200-BLACK	4,5 x 50	26	7,0	TX20 ●	200
111814-200-BLACK	4,5 x 60	30	7,0	TX20 ●	200
111815-200-BLACK	4,5 x 70	36	7,0	TX20 ●	200
111816-200-BLACK	4,5 x 80	42	7,0	TX20 ●	200
111817-200-BLACK	5,0 x 50	30	7,5	TX25 ●	200
111818-200-BLACK	5,0 x 60	36	7,5	TX25 ●	200
111819-200-BLACK	5,0 x 70	42	7,5	TX25 ●	200
111820-200-BLACK	5,0 x 80	48	7,5	TX25 ●	200

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Drawing



If you are not familiar with how this product is used, and particularly with the product's intended use, please contact our Application Technology department (Technik@eurotec.team).