

PRODUCT DATA SHEET

HOBOTEC

PRODUCT DESCRIPTION

The Hobotec screw made of hardened and galvanized carbon steel/hardened stainless steel allows **easy, fast and neat connection of wood-wood connections**. The screw has a drill tip and milling ribs above the thread and is available in ornamental head **and countersunk head** versions. These screws are particularly suitable for applications where there is an increased risk of the wood cracking or splitting.

ADVANTAGES AND SPECIFICATIONS

- No pilot drilling necessary
- Milling ribs make it easier to sink into all types of woods
- No crack or fissure formation in narrow edge areas
- Screws can be screwed in smoothly thanks to the TX drive

MATERIAL

Hardened carbon steel, galvanized.

- Usable in service classes 1 and 2 according to DIN EN 1995-Eurocode 5
- Good resistance to mechanical stresses
- Not suitable for wood containing tannins

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

- High strength
 - 60% higher breaking strength than V2A and V4A austenitic stainless steel
 - Hardened due to heat treatment
- Can be used in service classes 1 to 3 according to DIN EN 1995 Eurocode 5
- Resistant to rust to a limited extent
- Not resistant to acids
 - Not suitable for woods containing a large amount of tannins such as cumarú, oak, merbau, robinia, etc.
- Not suitable for use in aggressive environments containing salt or chlorine
- Magnetisable



The screw heads can be supplied in RAL colours on request.

PRODUCT DATA SHEET

HOBOTEC

APPLICATION IMAGE



Hobotec application example.



NOTE

The Hobotec screw is especially suited for model making, staircase construction, façade construction for carpentry, joinery, and roofing. It is also frequently used for applications such as laying wooden floors, wooden trim, etc.

CERTIFICATION



ATTENTION

Screws with Ø 3.2 mm and Ø 4.2 mm are not standardised according to ETA-11/0024 but rather to EN 14592.

PRODUCT DATA SHEET

HOBOTEC

PRODUCT TABLES

Hobotec countersunk head, steel blue plated					
Art. no.	Dimensions Ød x L [mm]	Thread length lg [mm]	Head diameter Ødh [mm]	Drive	PU
111494	4.0 x 30	21	7.7	TX15 ●	1000
111495	4.0 x 35	24	7.7	TX15 ●	1000
111496	4.0 x 40	26	7.7	TX15 ●	1000
111497	4.0 x 45	28	7.7	TX15 ●	500
111498	4.0 x 50	30	7.7	TX15 ●	500
111499	4.0 x 60	36	7.7	TX15 ●	200
111501	4.5 x 35	24	8.7	TX20 ●	500
111502	4.5 x 40	26	8.7	TX20 ●	500
111503	4.5 x 45	28	8.7	TX20 ●	500
111504	4.5 x 50	30	8.7	TX20 ●	500
111505	4.5 x 60	36	8.7	TX20 ●	200
111506	4.5 x 70	42	8.7	TX20 ●	200
111507	5.0 x 40	26	9.7	TX25 ●	200
111508	5.0 x 50	30	9.7	TX25 ●	200
111509	5.0 x 60	36	9.7	TX25 ●	200
111510	5.0 x 70	42	9.7	TX25 ●	200
111511	5.0 x 80	48	9.7	TX25 ●	200
111512	5.0 x 90	54	9.7	TX25 ●	200
903623	5.0 x 100	60	9.7	TX25 ●	200
903117	6.0 x 80	48	11.7	TX25 ●	200
903118	6.0 x 90	54	11.7	TX25 ●	100
903119	6.0 x 100	60	11.7	TX25 ●	100
903120	6.0 x 120	60	11.7	TX25 ●	100
903121	6.0 x 140	70	11.7	TX25 ●	100
903122	6.0 x 160	70	11.7	TX25 ●	100

PRODUCT DATA SHEET

HOBOTEC

Hobotec countersunk head, Hardened stainless steel

Art. no.	Dimensions Ød x L [mm]	Thread length lg [mm]	Head diameter Ødh [mm]	Drive	PU
903323	4.0 x 30	21	7.7	TX15 ●	500
110299	4.0 x 40	26	7.7	TX15 ●	500
110300	4.0 x 45	28	7.7	TX15 ●	500
110301	4.0 x 50	30	7.7	TX15 ●	500
110302	4.0 x 60	36	7.7	TX15 ●	500
110319	4.5 x 40	26	8.7	TX20 ●	200
944839	4.5 x 45	28	8.7	TX20 ●	200
110303	4.5 x 50	30	8.7	TX20 ●	200
110304	4.5 x 60	36	8.7	TX20 ●	200
110305	4.5 x 70	42	8.7	TX20 ●	200
110306	4.5 x 80	48	8.7	TX20 ●	200
110307	5.0 x 50	30	9.7	TX25 ●	200
110308	5.0 x 60	36	9.7	TX25 ●	200
110309	5.0 x 70	42	9.7	TX25 ●	200
110310	5.0 x 80	48	9.7	TX25 ●	200
110311	5.0 x 90	54	9.7	TX25 ●	200
110312	5.0 x 100	60	9.7	TX25 ●	200
110313	6.0 x 80	48	11.7	TX25 ●	100
110314	6.0 x 90	54	11.7	TX25 ●	100
110315	6.0 x 100	60	11.7	TX25 ●	100
110316	6.0 x 120	60	11.7	TX25 ●	100
110317	6.0 x 140	70	11.7	TX25 ●	100
110318	6.0 x 160	70	11.7	TX25 ●	100

PRODUCT DATA SHEET

HOBOTEC

Hobotec ornamental head, steel yellow galvanised

Art. no.	Dimensions Ød x L [mm]	Thread length lg [mm]	Head diameter Ødh [mm]	Drive	PU
110280	3,2 x 20*	Fully threaded	5,2	TX10 ○	500
110281	3,2 x 25*	Fully threaded	5,2	TX10 ○	500
110282	3,2 x 30	17,5	5,2	TX10 ○	500
110283	3,2 x 35	19	5,2	TX10 ○	500
110284	3,2 x 40	24	5,2	TX10 ○	500
110285	3,2 x 50	34	5,2	TX10 ○	500
110286	3,2 x 60	44	5,2	TX10 ○	500
944778	4,2 x 70	42	6,2	TX15 ●	200
944779	4,2 x 80	48	6,2	TX15 ●	200

*without milling ribs

Hobotec ornamental head, steel blue galvanised

Art. no.	Dimensions Ød x L [mm]	Thread length lg [mm]	Head diameter Ødh [mm]	Drive	PU
110287	3,2 x 20*	Fully threaded	5,2	TX10 ○	500
110288	3,2 x 25*	Fully threaded	5,2	TX10 ○	500
110289	3,2 x 30	17,5	5,2	TX10 ○	500
110290	3,2 x 35	19	5,2	TX10 ○	500
110291	3,2 x 40	24	5,2	TX10 ○	500
110292	3,2 x 50	34	5,2	TX10 ○	500
110293	3,2 x 60	44	5,2	TX10 ○	500
w110288**	3,2 x 25	Fully threaded	5,2	TX10 ○	500
w110289**	3,2 x 30	17,5	5,2	TX10 ○	500
w110290**	3,2 x 35	19	5,2	TX10 ○	500
w110291**	3,2 x 40	24	5,2	TX10 ○	500
w110292**	3,2 x 50	34	5,2	TX10 ○	500
w110293**	3,2 x 60	44	5,2	TX10 ○	500

*without milling ribs

** head lacquered, white

PRODUCT DATA SHEET

HOBOTEC

Hobotec ornamental head, hardened stainless steel					
Art. no.	Dimensions Ød x L [mm]	Thread length lg [mm]	Head diameter Ødh [mm]	Drive	PU
900782	3,2 x 25*	Fully threaded	5,2	TX10 ○	500
110294	3,2 x 30	17,5	5,2	TX10 ○	500
110295	3,2 x 35	19	5,2	TX10 ○	500
110296	3,2 x 40	24	5,2	TX10 ○	500
110297	3,2 x 50	34	5,2	TX10 ○	500
110298	3,2 x 60	44	5,2	TX10 ○	500
945040	4,0 x 40	24	6,0	TX15 ●	500
945653	4,0 x 45	27	6,0	TX15 ●	500
945041	4,0 x 50	30	6,0	TX15 ●	500
945042	4,0 x 60	36	6,0	TX15 ●	500
945043	4,0 x 70	42	6,0	TX15 ●	500
945044	4,0 x 80	48	6,0	TX15 ●	500
945045	4,5 x 40	24	7,0	TX20 ●	200
945046	4,5 x 45	27	7,0	TX20 ●	200
945047	4,5 x 50	30	7,0	TX20 ●	200
945048	4,5 x 60	36	7,0	TX20 ●	200
945049	4,5 x 70	42	7,0	TX20 ●	200
945050	4,5 x 80	48	7,0	TX20 ●	200
945051	5,0 x 50	30	7,5	TX25 ●	200
945052	5,0 x 60	36	7,5	TX25 ●	200
945053	5,0 x 70	42	7,5	TX25 ●	200
945054	5,0 x 80	48	7,5	TX25 ●	200
945055	5,0 x 90	54	7,5	TX25 ●	200
945056	5,0 x 100	60	7,5	TX25 ●	200

*without milling ribs

Hobotec ornamental head, brass-plated					
Art. no.	Dimensions Ød x L [mm]	Thread length lg [mm]	Head diameter Ødh [mm]	Drive	PU
903436	3,2 x 25	Vollgewinde	5,2	TX10 ○	500
903437	3,2 x 30	17,5	5,2	TX10 ○	500
903438	3,2 x 35	19	5,2	TX10 ○	500
903439	3,2 x 40	24	5,2	TX10 ○	500
903440	3,2 x 50	34	5,2	TX10 ○	500
903441	3,2 x 60	44	5,2	TX10 ○	500

Hobotec ornamental head, hardened stainless steel, black					
Art. no.	Dimensions Ød x L [mm]	Thread length lg [mm]	Head diameter Ødh [mm]	Drive	PU
110295/black	3,2 x 35	19	7,5	TX10 ○	500
110296/black	3,2 x 40	24	7,5	TX10 ○	500
110297/black	3,2 x 50	34	7,5	TX10 ○	500
110298/black	3,2 x 60	44	7,5	TX10 ○	500

PRODUCT DATA SHEET

HOBOTEC

DRAWINGS

- Hobotec countersunk head



Top view



Front view

- Hobotec ornamental head



Top view



Front view

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).