

FULLY THREADED COUNTERSUNK SCREW

3 THORNS TIP

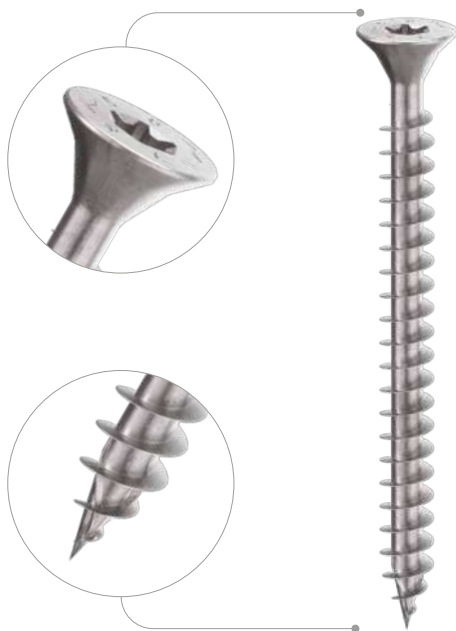
Thanks to the 3 THORNS tip, the screw can be installed without pre-drilling hole on even very thin joinery and furniture wood, such as melamine-faced panels, plated panels or MDF.

FINE THREAD

A fine thread is ideal for utmost screwing precision, even on MDF panels. The cavity for the Torx bit ensures stability and security.

LONG THREAD

The thread is 80% the length of the screw and the smooth part under head guarantees maximum coupling efficiency with fibreboard panels.



BIT INCLUDED

DIAMETER [in]

0.12 **0.12** 0.20 0.48

LENGTH [in]

1/2 **1/2** 3 1/8 39 3/8

EXPOSURE CONDITION

EC1 DRY

ATMOSPHERIC CORROSIVITY

C1 C2

WOOD CORROSIVITY

T1 T2

MATERIAL

Zn
ELECTRO
PLATED

electrogalvanized carbon steel



FIELDS OF USE

- timber based panels
- fibreboard, MDF, HDF and LDF
- plated and melamine faced panels
- solid timber
- glulam (Glued Laminated Timber)
- CLT and LVL

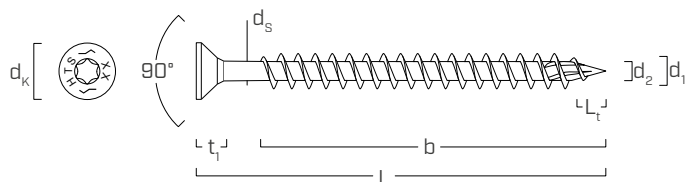
CODES AND DIMENSIONS

d ₁ [mm] [in]	CODE	L		b		A	pcs
		[mm]	[in]	[mm]	[in]	[in]	
3 0.12 #5 TX 10	HTS312(*)	12	1/2	6	1/4	1/8	500
	HTS316(*)	16	5/8	10	3/8	1/8	500
	HTS320	20	13/16	14	9/16	1/8	1000
	HTS325	25	1	19	3/4	1/8	1000
	HTS330	30	1 3/16	24	15/16	1/8	1000
3,5 0.14 #6 TX 15	HTS3516(*)	16	5/8	10	3/8	1/8	1000
	HTS3520(*)	20	13/16	14	9/16	1/8	1000
	HTS3525	25	1	19	3/4	1/8	1000
	HTS3530	30	1 3/16	24	15/16	1/8	500
	HTS3535	35	1 3/8	27	1 1/16	1/4	500
	HTS3540	40	1 9/16	32	1 1/4	1/4	500
	HTS3550	50	1 15/16	42	1 5/8	1/4	400
4 0.16 #7 TX 20	HTS420(*)	20	13/16	14	9/16	1/8	1000
	HTS425	25	1	19	3/4	1/8	1000
	HTS430	30	1 3/16	24	15/16	1/8	500
	HTS435	35	1 3/8	27	1 1/16	1/4	500

d ₁ [mm] [in]	CODE	L		b		A	pcs
		[mm]	[in]	[mm]	[in]	[in]	
4 0.16 #7 TX 20	HTS440	40	1 9/16	32	1 1/4	1/4	500
	HTS445	45	1 3/4	37	1 7/16	1/4	400
	HTS450	50	1 15/16	42	1 5/8	1/4	400
4,5 0.18 #9 TX 20	HTS4530	30	1 3/16	24	15/16	1/8	500
	HTS4535	35	1 3/8	27	1 1/16	1/4	500
	HTS4540	40	1 9/16	32	1 1/4	1/4	400
	HTS4545	45	1 3/4	37	1 7/16	1/4	400
	HTS4550	50	1 15/16	42	1 5/8	1/4	200
5 0.20 #11 TX 25	HTS530	30	1 3/16	24	15/16	1/8	500
	HTS535	35	1 3/8	27	1 1/16	1/4	400
	HTS540	40	1 9/16	32	1 1/4	1/4	200
	HTS545	45	1 3/4	37	1 7/16	1/4	200
	HTS550	50	1 15/16	42	1 5/8	1/4	200
	HTS560	60	2 3/8	50	1 15/16	3/8	200
	HTS570	70	2 3/4	60	2 3/8	3/8	100
	HTS580	80	3 1/8	70	2 3/4	3/8	100

(*)Not holding CE marking.

GEOMETRY



Nominal diameter	d ₁	[in] ⁽¹⁾	0.12	0.14	0.16	0.18	0.20
Outer thread diameter	d ₁	[mm]	3	3,5	4	4,5	5
		[in]	0.118	0.138	0.157	0.177	0.197
Head diameter	d _k	[in]	0.236	0.276	0.315	0.346	0.382
Root diameter	d ₂	[in]	0.079	0.087	0.098	0.110	0.126
Shank diameter	d _s	[in]	0.087	0.096	0.108	0.126	0.144
Head thickness	t ₁	[in]	0.087	0.094	0.106	0.110	0.110
Tip length	L _t	[in]	0.118	0.138	0.157	0.177	0.197
Pre-drilling hole diameter ⁽²⁾	d _{V,G≤0.55}	[in]	-	-	-	-	1/8
Pre-drilling hole diameter ⁽³⁾	d _{V,G>0.55}	[in]	-	-	-	-	9/64

⁽¹⁾The nominal diameter of the screw is converted into imperial units and rounded up to the nearest decimal point.

⁽²⁾Pre-drilling applies to timber with G≤0.55 (optional).

⁽³⁾Pre-drilling applies to timber with G>0.55 (required).



HINGES AND FURNITURE

The total thread and countersunk head geometry are ideal for fastening metal hinges when building furniture. Ideal for use with single bit (included in the package), easily exchanged in the driver bit holder.

The new self-perforating tip increases the initial grip capacity of the screw.