



De undersænkede træskruer har en unik hovedform som sikrer at skruen sænkes godt ned i træet. Skruen er udstyret med fræseribbe på skaftet som reducerer indravningsmomentet. Bits medfølger i kassen.



[DK-DoP-h17/0010](#)

EGENSKABER



Egenskaber

- TX-recess
- Undersænket med fræseribber
- Fiber-cut - type 17 spids
- Savtakket gevind
- El-forzinket

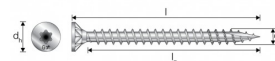
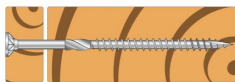
ANVENDELSE

Anvendelse

- Træ på træ

TEKNISK DATA

Dimensioner



Art. nr.	Best. nr.	DB nr.	Dimensioner [mm]						
			d	l	d _h	d ₁	l _g	Bit	Gevind
TTUFS3.0X16	74414	1949909	3	16	6	2	11	T-10	VG
TTUFS3.0X20	74415	1949910	3	20	6	2	15	T-10	VG
TTUFS3.0X25	74416	1949911	3	25	6	2	20	T-10	VG
TTUFS3.0X30	74417	1949912	3	30	6	2	25	T-10	VG
TTUFS3.5X16	74418	1949913	3.5	16	7	2.2	11	T-15	VG
TTUFS3.5X20	74419	1949914	3.5	20	7	2.2	15	T-15	VG
TTUFS3.5X25	74420	1949915	3.5	25	7	2.2	20	T-15	VG
TTUFS3.5X30	74421	1949916	3.5	30	7	2.2	25	T-15	VG
TTUFS3.5X35	74422	1949917	3.5	35	7	2.2	30	T-15	VG
TTUFS3.5X40	74423	1949918	3.5	40	7	2.2	35	T-15	VG
TTUFS3.5X50	74424	1949919	3.5	50	7	2.2	30	T-15	VG
TTUFS4.0X20	74425	1949920	4	20	8	2.5	15	T-20	VG
TTUFS4.0X25	74426	1949921	4	25	8	2.5	20	T-20	VG
TTUFS4.0X30	74427	1949922	4	30	8	2.5	25	T-20	VG
TTUFS4.0X35	74428	1949923	4	35	8	2.5	30	T-20	VG
TTUFS4.0X40	74429	1949924	4	40	8	2.5	35	T-20	VG
TTUFS4.0X45	74430	1949925	4	45	8	2.5	29	T-20	VG
TTUFS4.0X50	74431	1949926	4	50	8	2.5	30	T-20	VG
TTUFS4.0X60	74432	1949927	4	60	8	2.5	35	T-20	VG
TTUFS4.0X70	74433	1949928	4	70	8	2.5	40	T-20	VG
TTUFS4.5X25	74434	1949929	4.5	25	8.4	2.8	20	T-20	VG
TTUFS4.5X30	74435	1949930	4.5	30	8.4	2.8	25	T-20	VG
TTUFS4.5X35	74436	1949931	4.5	35	8.4	2.8	30	T-20	VG
TTUFS4.5X40	74437	1949932	4.5	40	8.4	2.8	35	T-20	VG
TTUFS4.5X45	74438	1949933	4.5	45	8.4	2.8	29	T-20	TG
TTUFS4.5X50	74439	1949935	4.5	50	8.4	2.8	30	T-20	TG
TTUFS4.5X60	74440	1949936	4.5	60	8.4	2.8	35	T-20	TG
TTUFS4.5X70	74441	1949937	4.5	70	8.4	2.8	40	T-20	TG
TTUFS4.5X80	74442	1949938	4.5	80	8.4	2.8	50	T-20	TGR
TTUFS5.0X30	74373	1949941	5	30	9.5	3.2	25	T-25	VG
TTUFS5.0X40	74374	1949942	5	40	9.5	3.2	35	T-25	VG
TTUFS5.0X50	74375	1949943	5	50	9.5	3.2	30	T-25	VG
TTUFS5.0X60	74376	1949944	5	60	9.5	3.2	35	T-25	VG
TTUFS5.0X70	74377	1949945	5	70	9.5	3.2	40	T-25	VG
TTUFS5.0X80	74378	1949946	5	80	9.5	3.2	40	T-25	TGR
TTUFS5.0X90	74379 - 75500	1949947 - 2055855	5	90	9.5	3.2	45	T-25	TGR
TTUFS5.0X100	74443	1949939	5	100	9.5	3.2	60	T-25	TGR
TTUFS5.0X120	74372	1949940	5	120	9.5	3.2	60	T-25	TGR
TTUFS6.0X40	74455	1949953	6	40	11.6	3.8	34	T-30	VG
TTUFS6.0X50	74457	1949954	6	50	11.6	3.8	30	T-30	TG
TTUFS6.0X60	74458	1949955	6	60	11.6	3.8	35	T-30	TG
TTUFS6.0X70	74459	1949956	6	70	11.6	3.8	40	T-30	TG
TTUFS6.0X80	74460	1949957	6	80	11.6	3.8	40	T-30	TGR
TTUFS6.0X90	74461	1949958	6	90	11.6	3.8	45	T-30	TGR
TTUFS6.0X100	74380	1949948	6	100	11.6	3.8	60	T-30	TGR

Art. nr.	Best. nr.	DB nr.	Dimensioner [mm]						
			d	l	d _h	d ₁	l _g	Bit	Gevind
TTUFS6.0X120	74451	1949949	6	120	11.6	3.8	70	T-30	TGR
TTUFS6.0X140	74452	1949950	6	140	11.6	3.8	70	T-30	TGR
TTUFS6.0X160	74453	1949951	6	160	11.6	3.8	70	T-30	TGR
TTUFS6.0X180	74454	1949952	6	180	11.6	3.8	70	T-30	TGR

* ikke CE-mærket

BæREEVNER

Timber to Timber characteristic capacities

Art. nr.	Product characteristic capacities - Timber to Timber C24															
	Axial resistance		Shear resistance parallel to the grain depending of t_1 [Rv.0.k] [kN]							Shear resistance perpendicular to the grain depending of t_1 [Rv.90.k] [kN]						
	t_1 [mm]	$R_{ax.k}$ [kN]	35 [mm]	40 [mm]	45 [mm]	60 [mm]	75 [mm]	80 [mm]	≥100 [mm]	35 [mm]	40 [mm]	45 [mm]	60 [mm]	75 [mm]	80 [mm]	≥100 [mm]
TTUFS4.5X60	25	1.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TTUFS4.5X70	30	1.19	1.41	-	-	-	-	-	-	1.41	-	-	-	-	-	-
TTUFS4.5X80	30	1.19	1.41	-	-	-	-	-	-	1.41	-	-	-	-	-	-
TTUFS5.0X60	25	1.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TTUFS5.0X70	30	1.64	1.81	-	-	-	-	-	-	1.81	-	-	-	-	-	-
TTUFS5.0X80	40	1.64	1.81	1.81	1.81	-	-	-	-	1.81	1.81	1.81	-	-	-	-
TTUFS5.0X90	45	1.64	1.81	1.81	1.81	-	-	-	-	1.81	1.81	1.81	-	-	-	-
TTUFS5.0X100	40	1.64	1.81	1.81	1.81	-	-	-	-	1.81	1.81	1.81	-	-	-	-
TTUFS5.0X120	60	1.64	1.81	1.81	1.81	1.81	-	-	-	1.81	1.81	1.81	1.81	-	-	-
TTUFS6.0X70	30	2.73	2.35	-	-	-	-	-	-	2.35	-	-	-	-	-	-
TTUFS6.0X80	40	2.73	2.44	2.59	2.44	-	-	-	-	2.44	2.59	2.44	-	-	-	-
TTUFS6.0X90	45	2.73	2.44	2.6	2.62	-	-	-	-	2.44	2.6	2.62	-	-	-	-
TTUFS6.0X100	40	2.73	2.44	2.6	2.62	-	-	-	-	2.44	2.6	2.62	-	-	-	-
TTUFS6.0X120	50	2.73	2.44	2.6	2.62	-	-	-	-	2.44	2.6	2.62	-	-	-	-
TTUFS6.0X140	70	2.73	2.44	2.6	2.62	2.62	2.62	-	-	2.44	2.6	2.62	2.62	2.62	-	-
TTUFS6.0X160	90	2.73	2.44	2.6	2.62	2.62	2.62	2.62	-	2.44	2.6	2.62	2.62	2.62	2.62	-
TTUFS6.0X180	110	2.73	2.44	2.6	2.62	2.62	2.62	2.62	2.62	2.44	2.6	2.62	2.62	2.62	2.62	2.62

These capacities are valid for:

- Timber element under the head with thickness $\leq t_1$ disclosed in adjacent column
- Screw axis between 45° and 90° from timber grain for ESCR(XXX), and 90° from timber grain for all other screws. For tightening screws (partially threaded), t_1 dimension is the maximum thickness of the under-head timber member for which the thread is fully in the pointside timber member, for an optimum installation and tightening.

The shear capacities are given for several timber thicknesses t_1 of the under-head member under the following configurations:

- Load axis at 0° from both timber grains $R_{v,0°.k}$
- Load axis at 90° from both timber grains $R_{v,90°.k}$

These capacities are valid for C24 timber grades or higher

The pre-drilled hypothesis for capacity and distances calculation is fulfilled.

For partial threaded screws, capacities are only given for configurations where the thread is less than 5mm in under-head timber member, in order to achieve optimum installation and tightening.

Clause (2) in 8.3.1.2 from EN1995-1-1:2004+A2:2014 about embedment length is ignored in these calculations.

Steel to Timber characteristic capacities

Art. nr.	Product characteristic capacities - Steel to Timber C24				
	Axial resistance [Rax.st.k] [kN]	Shear resistance - Thin plate		Shear Resistance - Thick steel	
		$R_{v,0.st.k}$ [kN]	$R_{v,90.st.k}$ [kN]	$R_{v,0.st.k}$ [kN]	$R_{v,90.st.k}$ [kN]
TTUFS4.5X60	3.02	1.87	1.87	2.33	2.33
TTUFS4.5X70	3.46	1.98	1.98	2.44	2.44
TTUFS4.5X80	4.32	2.19	2.19	2.65	2.65
TTUFS5.0X60	2.31	1.98	1.98	2.56	2.56
TTUFS5.0X70	2.64	2.06	2.06	2.64	2.64
TTUFS5.0X80	2.64	2.06	2.06	2.64	2.64
TTUFS5.0X90	2.97	2.14	2.14	2.72	2.72
TTUFS5.0X100	3.96	2.39	2.39	2.97	2.97

Art. nr.	Product characteristic capacities - Steel to Timber C24				
	Axial resistance [R _{ax.st.k}] [kN]	Shear resistance - Thin plate		Shear Resistance - Thick steel	
		R _{v.0.st.k} [kN]	R _{v.90.st.k} [kN]	R _{v.0.st.k} [kN]	R _{v.90.st.k} [kN]
TTUFS5.0X120	3.96	2.39	2.39	2.97	2.97
TTUFS6.0X70	4.13	2.96	2.96	3.76	3.76
TTUFS6.0X80	4.13	2.96	2.96	3.76	3.76
TTUFS6.0X90	4.64	3.09	3.09	3.89	3.89
TTUFS6.0X100	6.19	3.48	3.48	4.28	4.28
TTUFS6.0X120	7.22	3.74	3.74	4.54	4.54
TTUFS6.0X140	7.22	3.74	3.74	4.54	4.54
TTUFS6.0X160	7.22	3.74	3.74	4.54	4.54
TTUFS6.0X180	7.22	3.74	3.74	4.54	4.54

Shear capacities are given for thick (t_{st} = d) and thin (t_{st} = 0,5xd) steel plates under the following configurations:

- Load axis at 0° from timber grain R_{v,0°.k}
- Load axis at 90° from timber grain R_{v,90°.k}

These capacities are valid for C24 timber grades or higher.

For intermediate steel thicknesses, capacities shall be calculated by linear interpolation between the limiting thin and thick plate values.

The pre-drilled hypothesis for capacity and distances calculation is fulfilled.

Ledger on stud characteristic capacities

Art. nr.	Minimum width of the stud [mm]	Minimum distance to the bottom side of the ledger a _{4,c} [mm]	Product characteristic capacities - Ledger on stud C24							
			Shear capacity depending of thickness of ledger t ₁ [R _{v.90-0.k}] [kN]							
			35 [mm]	40 [mm]	45 [mm]	60 [mm]	75 [mm]	80 [mm]	90 [mm]	≥100 [mm]
TTUFS4.5X70	27	13.5	1.41	-	-	-	-	-	-	-
TTUFS4.5X80	27	13.5	1.41	-	-	-	-	-	-	-
TTUFS5.0X70	30	15	1.81	-	-	-	-	-	-	-
TTUFS5.0X80	30	15	1.81	1.81	1.81	-	-	-	-	-
TTUFS5.0X90	30	15	1.81	1.81	1.81	-	-	-	-	-
TTUFS5.0X100	30	15	1.81	1.81	1.81	-	-	-	-	-
TTUFS5.0X120	30	15	1.81	1.81	1.81	1.81	-	-	-	-
TTUFS6.0X80	36	18	2.62	2.6	2.44	-	-	-	-	-
TTUFS6.0X90	36	18	2.62	2.62	2.62	-	-	-	-	-
TTUFS6.0X100	36	18	2.62	2.62	2.62	-	-	-	-	-
TTUFS6.0X120	36	18	2.62	2.62	2.62	-	-	-	-	-
TTUFS6.0X140	36	18	2.62	2.62	2.62	2.62	2.62	-	-	-
TTUFS6.0X160	36	18	2.62	2.62	2.62	2.62	2.62	2.62	2.62	-
TTUFS6.0X180	36	18	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62

The pre-drilled hypothesis for capacity and distances calculation is fulfilled.

Panel to Timber characteristic capacities

Art. nr.	Panel (OSB, Fibreboard ρ _k ≥ 380 kg/m ³) on Timber C24 depending on panel thickness t _p														
	13 [mm]			15 [mm]			18 [mm]			22 [mm]			25 [mm]		
	R _{ax.k.13} [kN]	R _{v.0.k.13} [kN]	R _{v.90.k.13} [kN]	R _{ax.k.15} [kN]	R _{v.0.k.15} [kN]	R _{v.90.k.15} [kN]	R _{ax.k.18} [kN]	R _{v.0.k.18} [kN]	R _{v.90.k.18} [kN]	R _{ax.k.22} [kN]	R _{v.0.k.22} [kN]	R _{v.90.k.22} [kN]	R _{ax.k.25} [kN]	R _{v.0.k.25} [kN]	R _{v.90.k.25} [kN]
TTUFS4.5X35	-	0.73	0.73	-	0.72	0.72	-	-	-	-	-	-	-	-	
TTUFS4.5X40	-	0.85	0.85	-	0.83	0.83	-	0.84	0.84	-	0.88	0.88	-	-	
TTUFS4.5X45	1.27	1.16	1.16	1.27	1.21	1.21	-	0.94	0.94	-	0.97	0.97	-	0.92	
TTUFS4.5X50	1.27	1.16	1.16	1.27	1.21	1.21	1.27	1.3	1.3	-	1.05	1.05	-	1.03	
TTUFS4.5X60	1.27	1.16	1.16	1.27	1.21	1.21	1.27	1.3	1.3	1.27	1.43	1.43	1.27	1.53	

Art. nr.	Panel (OSB, Fibreboard $\rho_k \geq 380 \text{ kg/m}^3$) on Timber C24 depending on panel thickness t_p														
	13 [mm]			15 [mm]			18 [mm]			22 [mm]			25 [mm]		
	$R_{ax.k.13}$ [kN]	$R_{v.0.k.13}$ [kN]	$R_{v.90.k.13}$ [kN]	$R_{ax.k.15}$ [kN]	$R_{v.0.k.15}$ [kN]	$R_{v.90.k.15}$ [kN]	$R_{ax.k.18}$ [kN]	$R_{v.0.k.18}$ [kN]	$R_{v.90.k.18}$ [kN]	$R_{ax.k.22}$ [kN]	$R_{v.0.k.22}$ [kN]	$R_{v.90.k.22}$ [kN]	$R_{ax.k.25}$ [kN]	$R_{v.0.k.25}$ [kN]	$R_{v.90.k.25}$ [kN]
TTUFS4.5X70	1.27	1.16	1.16	1.27	1.21	1.21	1.27	1.3	1.3	1.27	1.43	1.43	1.27	1.53	1.53
TTUFS4.5X80	1.27	1.16	1.16	1.27	1.21	1.21	1.27	1.3	1.3	1.27	1.43	1.43	1.27	1.53	1.53
TTUFS5.0X40	-	0.94	0.94	-	0.92	0.92	-	0.91	0.91	-	-	-	-	-	-
TTUFS5.0X50	1.75	1.44	1.44	1.75	1.49	1.49	1.75	1.57	1.57	-	1.15	1.15	-	1.18	1.18
TTUFS5.0X60	1.75	1.44	1.44	1.75	1.49	1.49	1.75	1.57	1.57	1.75	1.69	1.69	1.75	1.8	1.8
TTUFS5.0X70	1.75	1.44	1.44	1.75	1.49	1.49	1.75	1.57	1.57	1.75	1.69	1.69	1.75	1.8	1.8
TTUFS5.0X80	1.75	1.44	1.44	1.75	1.49	1.49	1.75	1.57	1.57	1.75	1.69	1.69	1.75	1.8	1.8
TTUFS5.0X90	1.75	1.44	1.44	1.75	1.49	1.49	1.75	1.57	1.57	1.75	1.69	1.69	1.75	1.8	1.8
TTUFS6.0X40	-	1.08	1.08	-	1.04	1.04	-	-	-	-	-	-	-	-	-
TTUFS6.0X50	2.92	1.68	1.68	2.92	1.96	1.96	-	1.32	1.32	-	1.29	1.29	-	1.31	1.31
TTUFS6.0X60	2.92	1.68	1.68	2.92	1.96	1.96	2.92	2.13	2.13	2.92	2.24	2.24	-	1.57	1.57
TTUFS6.0X70	2.92	1.68	1.68	2.92	1.96	1.96	2.92	2.13	2.13	2.92	2.24	2.24	2.92	2.34	2.34
TTUFS6.0X80	2.92	1.68	1.68	2.92	1.96	1.96	2.92	2.13	2.13	2.92	2.24	2.24	2.92	2.34	2.34
TTUFS6.0X90	2.92	1.68	1.68	2.92	1.96	1.96	2.92	2.13	2.13	2.92	2.24	2.24	2.92	2.34	2.34

Plywood to Timber Characteristic Capacities

Art. nr.	Plywood ($\rho_k \geq 490 \text{ kg/m}^3$) on Timber C24 depending on panel thickness t_p																	
	10 [mm]			15 [mm]			18 [mm]			22 [mm]			25 [mm]			30 [mm]		
	$R_{ax.k.10}$ [kN]	$R_{v.0.k.10}$ [kN]	$R_{v.90.k.10}$ [kN]	$R_{ax.k.15}$ [kN]	$R_{v.0.k.15}$ [kN]	$R_{v.90.k.15}$ [kN]	$R_{ax.k.18}$ [kN]	$R_{v.0.k.18}$ [kN]	$R_{v.90.k.18}$ [kN]	$R_{ax.k.22}$ [kN]	$R_{v.0.k.22}$ [kN]	$R_{v.90.k.22}$ [kN]	$R_{ax.k.25}$ [kN]	$R_{v.0.k.25}$ [kN]	$R_{v.90.k.25}$ [kN]	$R_{ax.k.30}$ [kN]	$R_{v.0.k.30}$ [kN]	$R_{v.90.k.30}$ [kN]
TTUFS4.5X35	-	0.77	0.77	-	0.72	0.72	-	-	-	-	-	-	-	-	-	-	-	-
TTUFS4.5X40	-	0.8	0.8	-	0.83	0.83	-	0.83	0.83	-	0.87	0.87	-	-	-	-	-	-
TTUFS4.5X45	1.55	1.18	1.18	-	0.89	0.89	-	0.93	0.93	-	0.94	0.94	-	0.91	0.91	-	-	-
TTUFS4.5X50	1.55	1.18	1.18	1.55	1.28	1.28	-	0.97	0.97	-	1.03	1.03	-	1.02	1.02	-	0.91	0.91
TTUFS4.5X60	1.55	1.18	1.18	1.55	1.28	1.28	1.55	1.36	1.36	1.55	1.47	1.47	-	1.18	1.18	-	1.14	1.14
TTUFS4.5X70	1.55	1.18	1.18	1.55	1.28	1.28	1.55	1.36	1.36	1.55	1.47	1.47	1.55	1.56	1.56	1.55	1.59	1.59
TTUFS4.5X80	1.55	1.18	1.18	1.55	1.28	1.28	1.55	1.36	1.36	1.55	1.47	1.47	1.55	1.56	1.56	1.55	1.59	1.59
TTUFS5.0X30	-	0.71	0.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TTUFS5.0X40	-	0.98	0.98	-	0.93	0.93	-	0.92	0.92	-	-	-	-	-	-	-	-	-
TTUFS5.0X50	1.98	1.3	1.3	-	1.07	1.07	-	1.14	1.14	-	1.15	1.15	-	1.17	1.17	-	1.09	1.09
TTUFS5.0X60	2.15	1.3	1.3	2.15	1.61	1.61	2.15	1.68	1.68	2.15	1.8	1.8	-	1.36	1.36	-	1.34	1.34
TTUFS5.0X70	2.15	1.3	1.3	2.15	1.61	1.61	2.15	1.68	1.68	2.15	1.8	1.8	2.15	1.89	1.89	-	1.5	1.5
TTUFS5.0X80	2.15	1.3	1.3	2.15	1.61	1.61	2.15	1.68	1.68	2.15	1.8	1.8	2.15	1.89	1.89	2.15	2.03	2.03
TTUFS5.0X90	2.15	1.3	1.3	2.15	1.61	1.61	2.15	1.68	1.68	2.15	1.8	1.8	2.15	1.89	1.89	2.15	2.03	2.03
TTUFS6.0X40	-	1.2	1.2	-	1.08	1.08	-	-	-	-	-	-	-	-	-	-	-	-
TTUFS6.0X50	3.1	1.47	1.47	-	1.39	1.39	-	1.36	1.36	-	1.33	1.33	-	1.35	1.35	-	-	-
TTUFS6.0X60	3.58	1.47	1.47	3.58	2.2	2.2	3.58	2.35	2.35	-	1.57	1.57	-	1.6	1.6	-	1.62	1.62
TTUFS6.0X70	3.58	1.47	1.47	3.58	2.2	2.2	3.58	2.35	2.35	3.58	2.47	2.47	3.58	2.56	2.56	-	1.85	1.85
TTUFS6.0X80	3.58	1.47	1.47	3.58	2.2	2.2	3.58	2.35	2.35	3.58	2.47	2.47	3.58	2.56	2.56	3.58	2.75	2.75
TTUFS6.0X90	3.58	1.47	1.47	3.58	2.2	2.2	3.58	2.35	2.35	3.58	2.47	2.47	3.58	2.56	2.56	3.58	2.75	2.75

MONTERING