

NEW in our range:

RAPID[®] FT CL

Ø 6 mm

Cylinder head

- > Reduced splitting to prevent wood surface splintering
- > Head can countersink deep into wood with a long bit
- > Improved force transfer thanks to deep T-drive (T30)

Fullthread

- > Constantly low screw-in torque
- > Excellent thread withdrawal and pressure values
- > Maximum load-bearing capacity

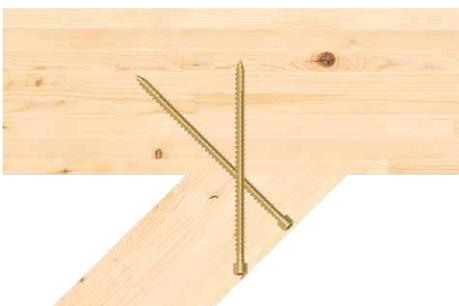
Patented tip – no pre-drilling necessary

- > Self-drilling with compressor tip
- > Reducing splitting
- > 50 % lower screw-in torque
- > Fast drilling into wood

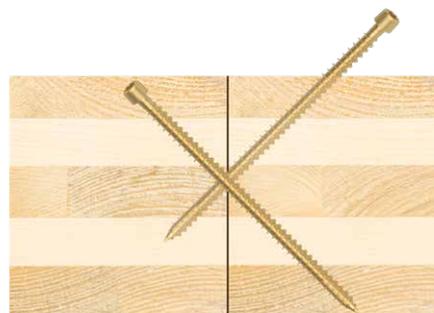
Surface

- > YellWin 500+, Cr[VI]-free
- > Anti-fritction coating

Applications



CONNECTION OF BRACE
Fully threaded screws increase the load capacity and significantly stiffen the connection.



CROSS LAMINATED TIMBER (CEILING RIB)
Shear-resistant crosswise screwing for cross laminated timber ceilings.



RAPID[®] FT CL

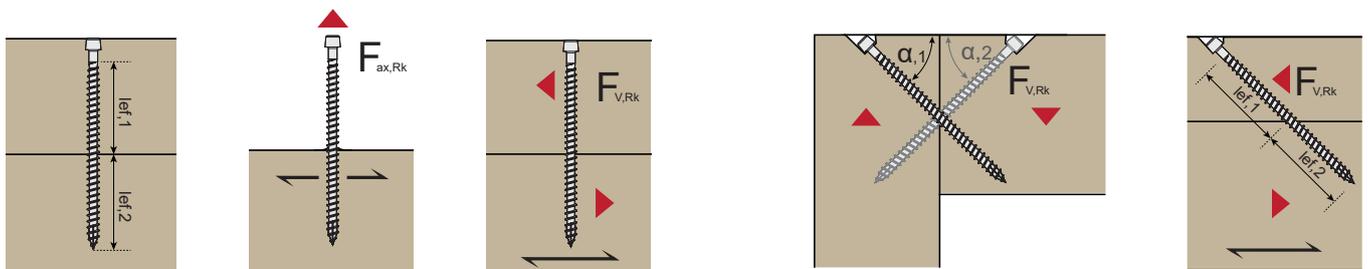
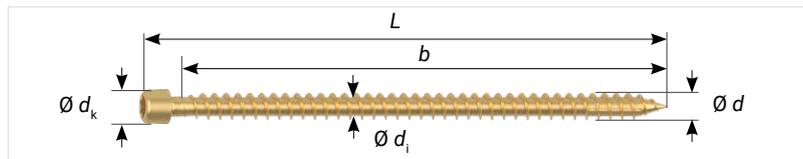
Ø 6 mm | fullthread | cylinder head | T30

single thread, compressor, full tip, hardened, anti-friction coating, YellWin 500+ surface, Cr[VI] free

CHARACTERISTICS AND VALUES FOR C24 ($\rho_k = 350 \text{ kg/m}^3$)

d	d_k	d_i	$f_{ax,90,k}$	f_{head}	$F_{tens,k}$	$M_{y,k}$	$N_{pl,k \cdot kc}^{(*)}$
[mm]	[mm]	[mm]	[N/mm ²]	[N/mm ²]	[kN]	[Nmm]	[kN]
Ø 6.0	8.15	3.80	13.5	-	12.5	10,000	6.62

(*) total screw length in timber



Ø d = 6 mm

	AXIAL 90°	SHEAR 90°	AXIAL 45°			
	WITHDRAWAL	TIMBER-TIMBER	CROSS-TYPE SCREW FITTING			SINGLE SCREW
	$l_{ef} = b/2$	$l_{ef} = b/2$	$l_{ef} = b/2$			$l_{ef} = b/2$
L/b	$F_{ax,Rk}$	$F_{v,Rk}$	$F_{v,X1,Rk}$	$F_{v,X2,Rk}$	$F_{v,X3,Rk}$	$F_{v,Rk}$
[mm]	[kN]	[kN]	[kN]	[kN]	[kN]	[kN]
80/70	2.84	2.22	4.01	7.22	10.83	2.51
100/90	3.65	2.54	5.15	9.28	13.92	3.22
120/110	4.46	2.74	6.30	11.34	17.01	3.94
140/130	5.27	2.95	7.45	13.40	20.10	4.65
160/150	6.08	3.15	8.59	15.46	23.20	5.37
180/170	6.89	3.26	9.25	16.64	24.97	6.09
200/190	7.70	3.26	9.82	17.67	26.51	6.80

Type and printing errors reserved. The values stated are meant to serve as planning guides; projects should only be undertaken by authorised professionals.