

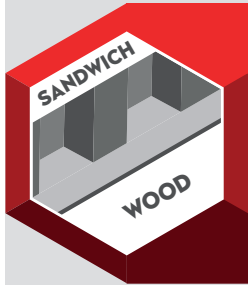
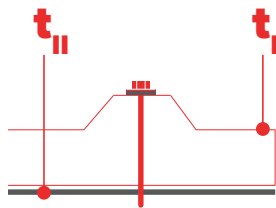
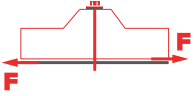
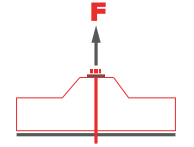
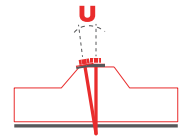


SANDWICH PANEL SCREW 6,3/7,0 X L – DP2, WASHER DIAMETER Ø 19,0 MM

Materials		
Screw	Stainless steel 1.4301 (A2) – conform and ISO 3506	 European Technical Approval ETA 17/0293
Washer	Stainless steel 1.4301 (A2) – conform and ISO 3506	
Material A (t_I)	Steel Quality S280GD, S320GD and S350GD – conform EN 10346	 QUALITY CONFIRMED
Material B (t_{II})	Wooden Support conform DIN EN 338, $\rho = 350 \text{ kg/m}^3$ (min. C24)	
Drilling capacity	Wood	



		t_{NI} [mm]	d, D [mm]									
			30	40	50	60	70	80	100	120	140	> 160
	$V_{R,k}$ [kN]	0,40	1,03	1,03	1,03	1,03	1,03	1,03	1,03	1,03	1,03	1,03
		0,50	1,35	1,35	1,35	1,35	1,35	1,35	1,35	1,35	1,35	1,35
		0,55	1,51	1,51	1,51	1,51	1,51	1,51	1,51	1,51	1,51	1,51
		0,63	1,76	1,76	1,76	1,76	1,76	1,76	1,76	1,76	1,76	1,76
		0,75	2,14	2,14	2,14	2,14	2,14	2,14	2,14	2,14	2,14	2,14
		0,88	2,14	2,14	2,14	2,14	2,14	2,14	2,14	2,14	2,14	2,14
		1,00	2,14	2,14	2,14	2,14	2,14	2,14	2,14	2,14	2,14	2,14
	$N_{R,k}$ [kN]	0,40	1,70	1,70	1,70	1,70	1,70	1,70	1,70	1,70	1,70	1,70
		0,50	1,70	1,70	1,70	1,70	1,70	1,70	1,70	1,70	1,70	1,70
		0,55	2,03	2,03	2,03	2,03	2,03	2,03	2,03	2,03	2,03	2,03
		0,63	2,03	2,03	2,03	2,03	2,03	2,03	2,03	2,03	2,03	2,03
		0,75	2,03	2,03	2,03	2,03	2,03	2,03	2,03	2,03	2,03	2,03
		0,88	2,03	2,03	2,03	2,03	2,03	2,03	2,03	2,03	2,03	2,03
		1,00	2,03	2,03	2,03	2,03	2,03	2,03	2,03	2,03	2,03	2,03
	u [mm]	-	8	8	10	12	14	16	20	24	28	32

Note

1. Above mentioned values are characteristic values
2. To determine the design value we advise to apply a material factor of $\gamma_m = 1,33$.
3. You can find further information and calculation examples on page 10.1.7