



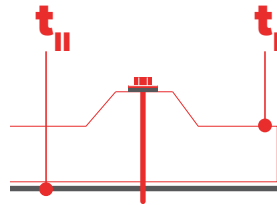


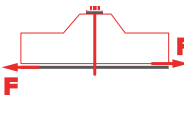
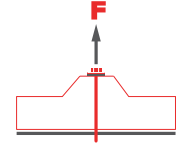
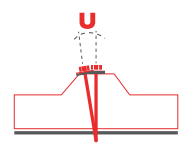
SANDWICH PANEL SCREW DP5

SANDWICH PANELS - STEEL 5 TO 10 MM - BI-METAL A2 304

PANEELBEVESTIGER 5,5/6,3 X L – DP5, WASHER DIAMETER Ø 22,0 MM

Materials		
Screw	Stainless steel 1.4301 (A2) – conform and ISO 3506	 European Technical Approval ETA 17/0293  QUALITY CONFIRMED
Washer	Stainless steel 1.4301 (A2) – conform and ISO 3506	
Material A (t_I)	SteelQuality S280GD, S320GD and S350GD - conform and 10346	
Material B (t_{II})	SteelQuality S235 – conform 10025-2 and S280GD, S320GD and S350GD - conform and 10346	
Drilling capacity	Steel \leq 10 mm	



		t_{N1} [mm]	t_{II} [mm]									
			0,75	0,88	1,00	1,13	1,25	1,50	2,00	3,00	4,00	> 6,00
	$V_{R,k}$ [kN]	0,40	0,94	0,94	0,94	0,94	0,94	0,94	0,94	0,94	0,94	0,94
		0,50	1,14	1,14	1,14	1,14	1,14	1,14	1,14	1,14	1,14	1,14
		0,55	1,24	1,24	1,24	1,24	1,24	1,24	1,24	1,24	1,24	1,24
		0,63	1,39	1,39	1,39	1,39	1,39	1,39	1,39	1,39	1,39	1,39
		0,75	1,63	1,84	2,03	2,03	2,03	2,03	2,03	2,03	2,03	2,03
		0,88	1,63	1,84	2,03	2,03	2,03	2,03	2,03	2,03	2,03	2,03
		1,00	1,63	1,84	2,03	2,03	2,03	2,03	2,03	2,03	2,03	2,03
	$N_{R,k}$ [kN]	0,40	0,60	0,74	0,86	1,09	1,30	1,74	1,78	1,78	1,78	1,78
		0,50	0,60	0,74	0,86	1,09	1,30	1,74	2,53	2,53	2,53	2,53
		0,55	0,60	0,74	0,86	1,09	1,30	1,74	2,62	2,9	2,9	2,9
		0,63	0,60	0,74	0,86	1,09	1,30	1,74	2,62	3,49	3,49	3,49
		0,75	0,60	0,74	0,86	1,09	1,30	1,74	2,62	3,65	4,37	4,37
		0,88	0,60	0,74	0,86	1,09	1,30	1,74	2,62	3,65	4,37	4,37
		1,00	0,60	0,74	0,86	1,09	1,30	1,74	2,62	3,65	4,37	4,37
	u [mm]	40	10,0	9,5	9,0	9,0	8,5	8,0	7,0	5,0	4,5	3,5
		50	12,5	11,9	11,3	11,3	10,6	10,0	8,8	6,3	5,6	4,4
		60	15,0	14,3	13,5	13,5	12,8	12,0	10,5	7,5	6,8	5,3
		80	20,0	19,0	18,0	18,0	17,0	16,0	14,0	10,0	9,0	7,0
		100	25,0	23,8	22,5	22,5	21,3	20,0	17,5	12,5	11,3	8,8
		120	30,0	28,5	27,0	27,0	25,5	24,0	21,0	15,0	13,5	10,5
		140	35,0	33,3	31,5	31,5	29,8	28,0	24,5	17,5	15,8	12,3
		>160	40,0	38,0	36,0	36,0	34,0	32,0	28,0	20,0	18,0	14,0

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