



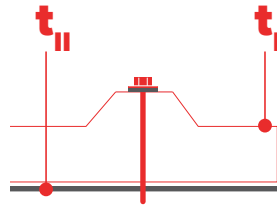


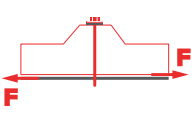
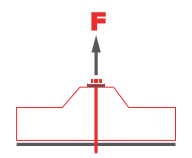
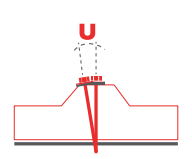
# SANDWICH PANEL SCREW DP3

## SANDWICH PANELS - STEEL 1,5 TO 5 MM - BI-METAL A2 304

### SANDWICH PANEL SCREW 5,5/6,3 X L – DP3, WASHER DIAMETER Ø 22,0 MM

Materials		
<b>Screw</b>	Stainless steel 1.4301 (A2) – conform and ISO 3506	 European Technical Approval ETA 17/0293   QUALITY CONFIRMED
<b>Washer</b>	Stainless steel 1.4301 (A2) – conform and ISO 3506	
<b>Material A (<math>t_I</math>)</b>	SteelQuality S280GD, S320GD and S350GD - conform and 10346	
<b>Material B (<math>t_{II}</math>)</b>	SteelQuality S235 – conform 10025-2 and S280GD, S320GD and S350GD - conform and 10346	
<b>Drilling capacity</b>	Steel $\leq$ 5 mm	



		$t_{NI}$ [mm]	$t_{II}$ [mm]						
			0,75	1,00	1,50	2,00	3,00	4,00	6,00
	$V_{R,k}$ [kN]	0,40	0,83	0,83	0,83	0,83	0,83	0,83	0,83
		0,50	0,93	0,93	0,93	0,93	0,93	0,93	0,93
		0,55	1,11	1,11	1,11	1,11	1,11	1,11	1,11
		0,63	1,39	1,39	1,39	1,39	1,39	1,39	1,39
		0,75	1,82	1,91	1,91	1,91	1,91	1,91	1,91
		0,88	1,82	1,91	1,91	1,91	1,91	1,91	1,91
		1,00	1,82	1,91	1,91	1,91	1,91	1,91	1,91
	$N_{R,k}$ [kN]	0,40	0,60	0,66	1,77	2,21	2,21	2,21	2,21
		0,50	0,60	0,66	1,77	2,42	2,42	2,42	2,42
		0,55	0,60	0,66	1,77	2,80	2,80	2,80	2,80
		0,63	0,60	0,66	1,77	2,87	3,42	3,42	3,42
		0,75	0,60	0,66	1,77	2,87	3,55	4,22	4,34
		0,88	0,60	0,66	1,77	2,87	3,55	4,22	4,34
		1,00	0,60	0,66	1,77	2,87	3,55	4,22	4,34
	$u$ [mm]	40	6,0	5,5	5,0	4,0	3,0	2,5	2,0
		50	7,5	6,5	6,0	5,0	3,5	3,0	2,5
		60	9,0	8,0	7,5	6,0	4,5	3,5	3,0
		80	12,0	11,0	10,0	8,0	6,0	5,0	4,0
		100	15,0	13,5	12,5	10,0	7,5	6,0	5,0
		120	18,0	16,5	15,0	12,0	9,0	7,5	6,0
		140	21,0	19,0	17,5	14,0	10,5	8,5	7,0
		>160	24,0	22,0	20,0	16,0	12,0	10,0	8,0

#### 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