





SANDWICH PANEL SCREW DP2

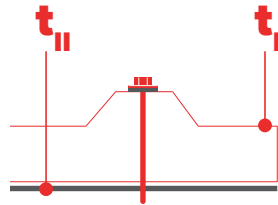
SANDWICH PANELS - STEEL $\leq 1,5$ MM - GALVANISED

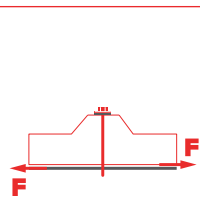
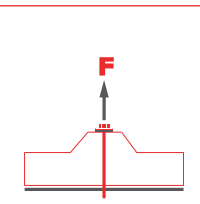
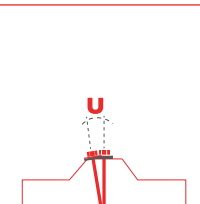
SANDWICH PANEL SCREW 6,3/7,0 X L – DP2, WASHER DIAMETER $\varnothing 16,0$ MM

Materials	
Screw	Galvanised steel
Washer	Galvanised steel
Material A (t_1)	S280GD, S320GD and S350GD conform EN 10346
Material B (t_{II})	S235 conform EN 10025-2, S280GD, S320GD and S350GD conform EN 10346
Drilling capacity	Steel $\leq 1,5$ mm







	t_{N1} [mm]	t_{II} [mm]										
		0,40	0,50	0,55	0,63	0,75	0,88	1,00	1,13	1,25	1,50	2,00
 $V_{R,k}$ [kN]	0,40	1,48	1,48	1,48	1,48	1,48	1,48	1,48	1,48	1,48	1,48	1,48
	0,50	1,48	2,32	2,32	2,32	2,32	2,32	2,32	2,32	2,32	2,32	2,32
	0,55	1,48	2,32	2,35	2,35	2,35	2,35	2,35	2,35	2,35	2,35	2,35
	0,63	1,48	2,32	2,35	2,39	2,39	2,39	2,39	2,39	2,39	2,39	2,39
	0,75	1,48	2,32	2,35	2,39	2,46	2,46	2,46	2,46	2,46	2,46	2,46
	0,88	1,48	2,32	2,35	2,39	2,46	2,46	2,46	2,46	2,46	2,46	2,46
	1,00	1,48	2,32	2,35	2,39	2,46	2,46	2,46	2,46	2,46	2,46	2,46
 $N_{R,k}$ [kN]	0,40	0,42	0,74	0,76	0,78	0,83	1,13	1,28	1,33	1,33	1,33	1,33
	0,50	0,42	0,74	0,76	0,78	0,83	1,13	1,28	1,45	1,61	1,97	1,97
	0,55	0,42	0,74	0,76	0,78	0,83	1,13	1,28	1,45	1,61	1,97	1,97
	0,63	0,42	0,74	0,76	0,78	0,83	1,13	1,28	1,45	1,61	1,97	1,97
	0,75	0,42	0,74	0,76	0,78	0,83	1,13	1,28	1,45	1,61	1,97	1,97
	0,88	0,42	0,74	0,76	0,78	0,83	1,13	1,28	1,45	1,61	1,97	1,97
	1,00	0,42	0,74	0,76	0,78	0,83	1,13	1,28	1,45	1,61	1,97	1,97
 u [mm]	40	-	-	-	-	8,0	8,0	8,0	8,0	8,0	10,0	10,0
	50	-	-	-	-	10,0	10,0	10,0	10,0	10,0	12,5	12,5
	60	-	-	-	-	12,0	12,0	12,0	12,0	12,0	15,0	15,0
	80	-	-	-	-	16,0	16,0	16,0	16,0	16,0	20,0	20,0
	100	-	-	-	-	20,0	20,0	20,0	20,0	20,0	25,0	25,0
	120	-	-	-	-	24,0	24,0	24,0	24,0	24,0	30,0	30,0
	≥ 160	-	-	-	-	32,0	32,0	32,0	32,0	32,0	40,0	40,0

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