



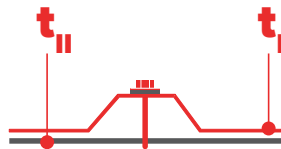


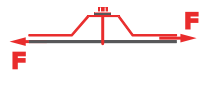
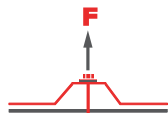
SELF-DRILLING TORX SCREW DP3

METAL SHEETS - ALUMINIUM 1,5 TO 5 MM - BI-METAL A2 304

SELF-DRILLING TORX SCREW 4,8 X L - DP3, WASHER DIAMETER Ø 10,0 MM

Materials		
Screw	SS 1.4301 (A2) - conform EN3506	 
Washer	SS 1.4301 (A2) - conform EN3506	
Material A (t_I)	S280GD, S320GD and S350GD conform and 10346	
Material B (t_{II})	Aluminium Alloy and 573 Rm,min \geq 215 N/mm ²	
Drilling capacity	Alu 215 \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	0,80	0,80	0,80	0,80	0,80	0,80	0,80
	0,50	0,88	0,88	0,88	0,88	0,88	0,88	0,88
	0,55	0,96	0,96	0,96	0,96	0,96	0,96	0,96
	0,63	1,08	1,08	1,08	1,08	1,08	1,08	1,08
	0,75	1,26	1,26	1,26	1,26	1,26	1,26	1,26
	0,88	1,26	1,46	1,46	2,14	2,14	2,14	2,14
	1,00	1,26	1,64	1,64	2,14	2,14	2,14	2,14
	1,13	1,26	1,64	1,61	2,14	2,14	2,14	2,14
	1,25	1,26	1,64	1,61	2,14	2,14	2,14	2,14
 $N_{R,k}$ [kN]	0,40	0,20	0,31	0,79	1,23	1,30	1,30	1,30
	0,50	0,20	0,31	0,79	1,23	1,88	2,16	2,16
	0,55	0,20	0,31	0,79	1,23	1,88	2,36	2,36
	0,63	0,20	0,31	0,79	1,23	1,88	2,60	2,60
	0,75	0,20	0,31	0,79	1,23	1,88	2,60	2,60
	0,88	0,20	0,31	0,79	1,23	1,88	2,60	2,60
	1,00	0,20	0,31	0,79	1,23	1,88	2,60	2,60
	1,13	0,20	0,31	0,79	1,23	1,88	2,60	2,60
	1,25	0,20	0,31	0,79	1,23	1,88	2,60	2,60

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.
4. The mechanical properties in combination with an aluminium support in $R_m \geq 165$ N/mm² quality are available on request. Please contact our internal sales department for more information.