SELF-DRILLING METAL TILE SHEET SCREW DP1

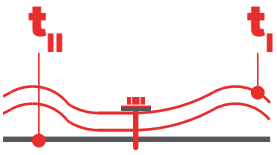
METAL SHEETS - STEEL ≤ 17 GA - BI-METAL A2 304

SELF-DRILLING METAL TILE SHEET SCREW #10 X L - DP1, WASHER DIAMETER Ø 3/4"

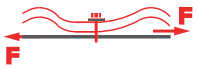
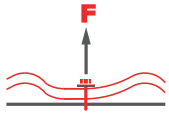
Materials	
Screw	Stainless steel 1.4301 (A2) – conform EN ISO 3506
Washer	Stainless steel 1.4301 (A2) – conform EN ISO 3506
Material A (t_I)	Steel quality S280GD, S320GD and S350GD - conform EN 10346
Material B (t_{II})	Steel quality S235 – conform EN 10025-2 and S280GD, S320GD and S350GD - conform EN 10346
Drilling capacity	Steel ≤ 17 Ga

European Technical Approval ETA 17/0321

QUALITY CONFIRMED



WASHER DIAMETER 3/4"

		t_{N1} [Ga]	t_{II} [inch]									
			28 Ga	26 Ga	25 Ga	23 Ga	22 Ga	21 Ga	20 Ga	19 Ga	18 Ga	17 Ga
	$V_{R,k}$ [kN]	28 Ga	143	143	143	143	143	143	143	143	143	143
		26 Ga	143	204	204	204	204	204	204	204	204	204
		25 Ga	143	204	260	260	260	260	260	260	260	260
		23 Ga	143	204	260	352	352	352	352	352	352	352
		22 Ga	143	204	260	352	487	487	487	487	487	487
		21 Ga	143	204	260	352	487	532	532	532	532	532
		20 Ga	143	204	260	352	487	532	575	575	575	575
		19 Ga	143	204	260	352	487	532	575	669	669	669
		18 Ga	143	204	260	352	487	532	575	669	759	759
	$N_{R,k}$ [kN]	28 Ga	80	103	123	157	209	263	314	382	382	382
		26 Ga	80	103	123	157	209	263	314	395	395	395
		25 Ga	80	103	123	157	209	263	314	395	472	485
		23 Ga	80	103	123	157	209	263	314	395	472	627
		22 Ga	80	103	123	157	209	263	314	395	472	629
		21 Ga	80	103	123	157	209	263	314	395	472	629
		20 Ga	80	103	123	157	209	263	314	395	472	629
		19 Ga	80	103	123	157	209	263	314	395	472	629
		18 Ga	80	103	123	157	209	263	314	395	472	629

Note

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