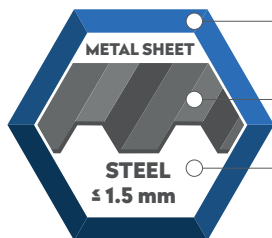




SELF-DRILL METAL TILE SHEET SCREW DP1

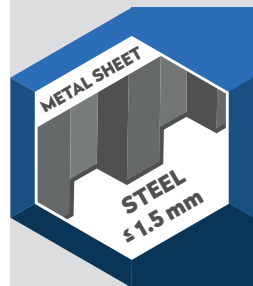
APPLICATION



Galvanised

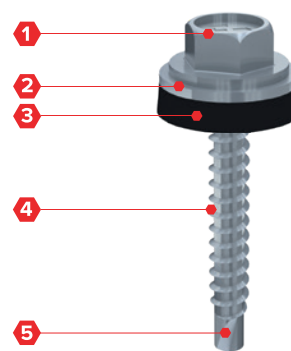
Metal sheet Screw

Steel ≤ 1,5 mm



SPECIFICATION

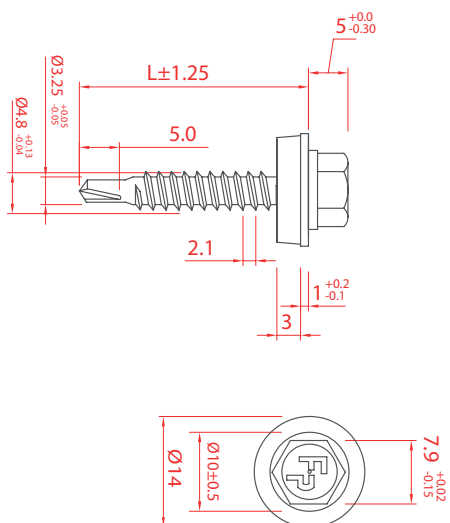
- 1 Head style 5/16" (8 mm)
- 2 Washer diameter standard 14 mm
- 3 Galvanised EPDM bond seal
- 4 Thread for substructure steel ≤ 1,5 mm
- 5 Drilling point 1



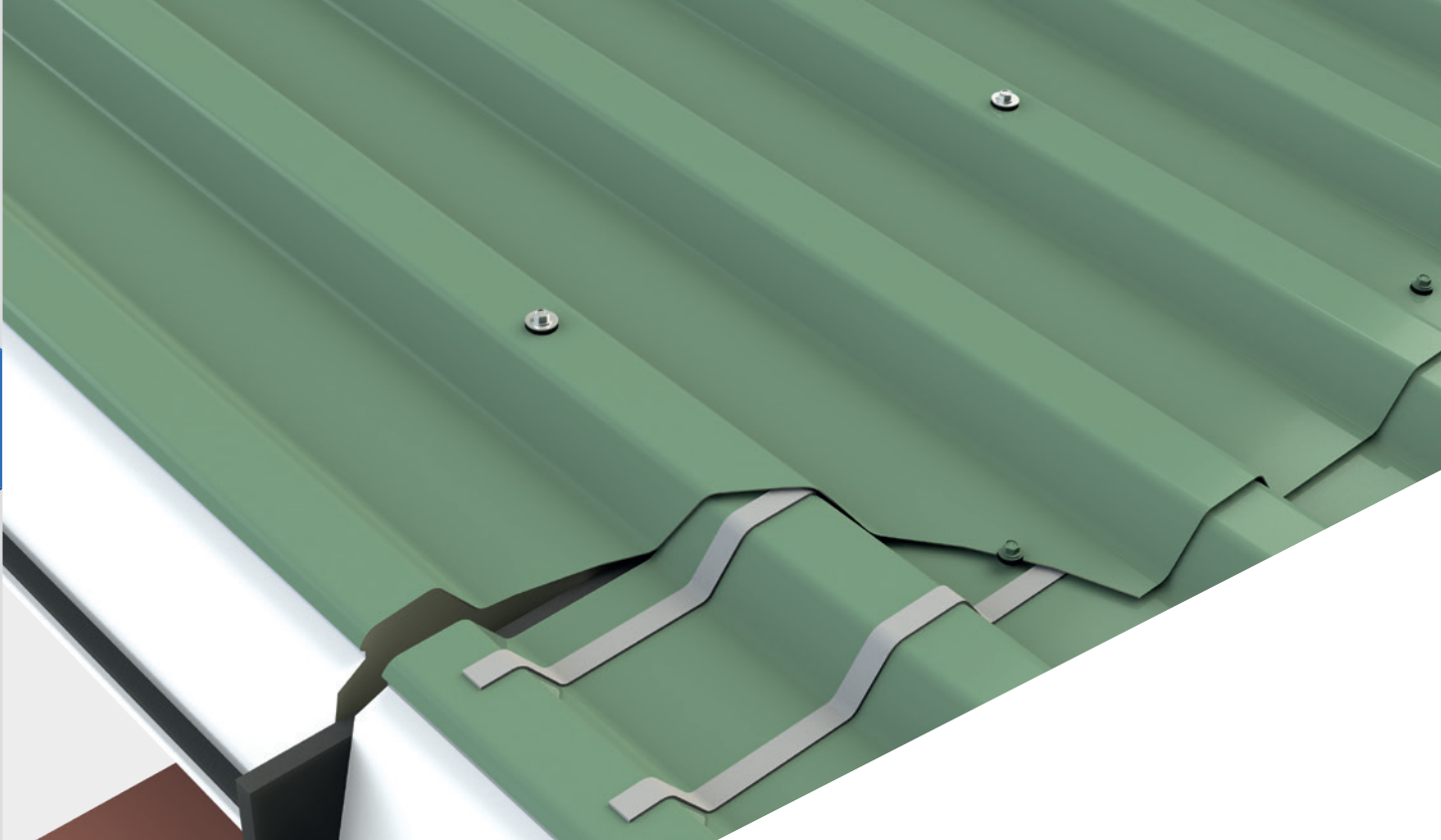
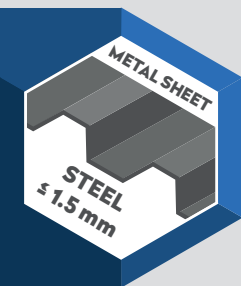
OPTIONS

- 1 Powder coated in any desired RAL colour
- 2 Washer diameter 16 or 19 mm

SECTION



METAL SHEETS - STEEL ≤ 1,5 MM - GALVANISED



METAL SHEETS - STEEL ≤ 1,5 MM - GALVANISED

ORDER INFORMATION

Product	Size	Packaging	Article code
Self-Drilling Metal Tile Sheet Screw 4,8 x L - DP1	4,8 x 20 mm	250 pcs/box	2004014802014
Self-Drilling Metal Tile Sheet Screw 4,8 x L - DP1	4,8 x 28 mm	250 pcs/box	2004014802814
Self-Drilling Metal Tile Sheet Screw 4,8 x L - DP1	4,8 x 35 mm	250 pcs/box	2004014803514
Self-Drilling Metal Tile Sheet Screw 4,8 x L - DP1	4,8 x 50 mm	150 pcs/box	2004014805014
Self-Drilling Metal Tile Sheet Screw 4,8 x L - DP1	4,8 x 60 mm	150 pcs/box	2004014806014
Self-Drilling Metal Tile Sheet Screw 4,8 x L - DP1	4,8 x 80 mm	100 pcs/box	2004014808014





More information on materials, application, specific properties and certification can be found in chapter 10.

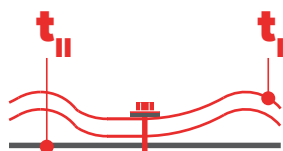
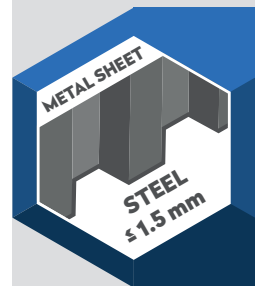
CERTIFICATES



QUALITY
CONFIRMED

SELF-DRILLING METAL TILE SHEET SCREW 4,8 X L - DP1, WASHER DIAMETER Ø 14,0 MM

Materials		  QUALITY CONFIRMED
Screw	Galvanised steel	
Washer	Galvanised steel	
Material A (t_I)	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	



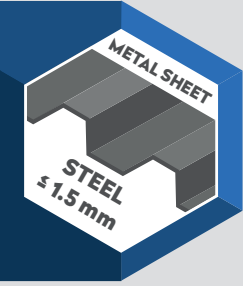
		t_{N1} [mm]	t_{II} [mm]										
			0,40	0,50	0,55	0,63	0,75	0,88	1,00	1,13	1,25	1,50	2,00
	$V_{R,k}$ [kN]	0,40	0,78	0,78	0,78	0,78	0,78	0,78	0,78	0,78	0,78	0,78	0,78
		0,50	0,78	1,04	1,04	1,04	1,04	1,04	1,04	1,04	1,04	1,04	1,04
		0,55	0,78	1,04	1,21	1,21	1,21	1,21	1,21	1,21	1,21	1,21	1,21
		0,63	0,78	1,04	1,21	1,48	1,48	1,48	1,48	1,48	1,48	1,48	1,48
		0,75	0,78	1,04	1,21	1,48	1,90	1,90	1,90	1,90	1,90	1,90	1,90
		0,88	0,78	1,04	1,21	1,48	1,90	3,05	3,05	3,05	3,05	3,05	3,05
		1,00	0,78	1,04	1,21	1,48	1,90	3,05	3,05	3,05	3,05	3,05	3,05
		1,13	0,78	1,04	1,21	1,48	1,90	3,05	3,05	3,05	3,05	3,05	3,05
		1,25	0,78	1,04	1,21	1,48	1,90	3,05	3,05	3,05	3,05	3,05	3,05
	$N_{R,k}$ [kN]	0,40	0,34	0,52	0,59	0,71	0,88	1,26	1,26	1,26	1,26	1,26	
		0,50	0,34	0,52	0,59	0,71	0,88	1,29	1,56	1,86	1,96	1,96	
		0,55	0,34	0,52	0,59	0,71	0,88	1,29	1,56	1,86	2,07	2,07	
		0,63	0,34	0,52	0,59	0,71	0,88	1,29	1,56	1,86	2,13	2,24	
		0,75	0,34	0,52	0,59	0,71	0,88	1,29	1,56	1,86	2,13	2,51	
		0,88	0,34	0,52	0,59	0,71	0,88	1,29	1,56	1,86	2,13	2,51	
		1,00	0,34	0,52	0,59	0,71	0,88	1,29	1,56	1,86	2,13	2,51	
		1,13	0,34	0,52	0,59	0,71	0,88	1,29	1,56	1,86	2,13	2,51	
		1,25	0,34	0,52	0,59	0,71	0,88	1,29	1,56	1,86	2,13	2,51	



Note

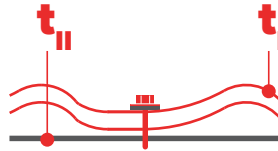
1. Above mentioned values are characteristic values.
2. To determine the design value we advise to apply a material factor of $\gamma_m = 1,33$.
3. You can find further information and calculation examples on page 10.1.7.

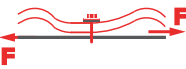

METAL SHEETS - STEEL $\leq 1,5$ MM - GALVANISED

SELF-DRILLING METAL TILE SHEET SCREW 4,8 X L - DP1, WASHER DIAMETER Ø 16,0 MM



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





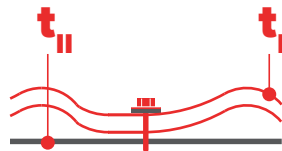
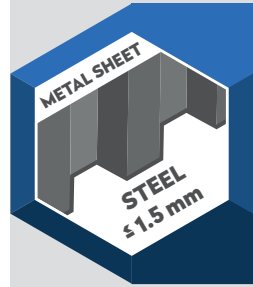
	t_{NI} [mm]	t_I [mm]										
		0,40	0,50	0,55	0,63	0,75	0,88	1,00	1,13	1,25	1,50	2,00
 $V_{R,k}$ [kN]	0,40	0,78	0,78	0,78	0,78	0,78	0,78	0,78	0,78	0,78	0,78	0,78
	0,50	0,78	1,04	1,04	1,04	1,04	1,04	1,04	1,04	1,04	1,04	1,04
	0,55	0,78	1,04	1,21	1,21	1,21	1,21	1,21	1,21	1,21	1,21	1,21
	0,63	0,78	1,04	1,21	1,48	1,48	1,48	1,48	1,48	1,48	1,48	1,48
	0,75	0,78	1,04	1,21	1,48	1,90	1,90	1,90	1,90	1,90	1,90	1,90
	0,88	0,78	1,04	1,21	1,48	1,90	3,05	3,05	3,05	3,05	3,05	3,05
	1,00	0,78	1,04	1,21	1,48	1,90	3,05	3,05	3,05	3,05	3,05	3,05
	1,13	0,78	1,04	1,21	1,48	1,90	3,05	3,05	3,05	3,05	3,05	3,05
	1,25	0,78	1,04	1,21	1,48	1,90	3,05	3,05	3,05	3,05	3,05	3,05
 $N_{R,k}$ [kN]	0,40	0,34	0,52	0,59	0,71	0,88	1,29	1,29	1,29	1,29	1,29	
	0,50	0,34	0,52	0,59	0,71	0,88	1,29	1,56	1,86	1,98	1,98	
	0,55	0,34	0,52	0,59	0,71	0,88	1,29	1,56	1,86	2,13	2,21	
	0,63	0,34	0,52	0,59	0,71	0,88	1,29	1,56	1,86	2,13	2,57	
	0,75	0,34	0,52	0,59	0,71	0,88	1,29	1,56	1,86	2,13	2,70	
	0,88	0,34	0,52	0,59	0,71	0,88	1,29	1,56	1,86	2,13	2,70	
	1,00	0,34	0,52	0,59	0,71	0,88	1,29	1,56	1,86	2,13	2,70	
	1,13	0,34	0,52	0,59	0,71	0,88	1,29	1,56	1,86	2,13	2,70	
	1,25	0,34	0,52	0,59	0,71	0,88	1,29	1,56	1,86	2,13	2,70	

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.

SELF-DRILLING METAL TILE SHEET SCREW 4,8 X L - DP1, WASHER DIAMETER Ø 19,0 MM

Materials		  QUALITY CONFIRMED
Screw	Galvanised steel	
Washer	Galvanised steel	
Material A (t_1)	S280GD, S320GD and S350GD conform and 10346	
Material B (t_{II})	S235 conform and 10025-2, S280GD, S320GD and S350GD conform and 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	0,78	0,78	0,78	0,78	0,78	0,78	0,78	0,78	0,78	0,78	0,78
		0,50	0,78	1,04	1,04	1,04	1,04	1,04	1,04	1,04	1,04	1,04	1,04
		0,55	0,78	1,04	1,21	1,21	1,21	1,21	1,21	1,21	1,21	1,21	1,21
		0,63	0,78	1,04	1,21	1,48	1,48	1,48	1,48	1,48	1,48	1,48	1,48
		0,75	0,78	1,04	1,21	1,48	1,90	1,90	1,90	1,90	1,90	1,90	1,90
		0,88	0,78	1,04	1,21	1,48	1,90	3,05	3,05	3,05	3,05	3,05	3,05
		1,00	0,78	1,04	1,21	1,48	1,90	3,05	3,05	3,05	3,05	3,05	3,05
		1,13	0,78	1,04	1,21	1,48	1,90	3,05	3,05	3,05	3,05	3,05	3,05
		1,25	0,78	1,04	1,21	1,48	1,90	3,05	3,05	3,05	3,05	3,05	3,05
	$N_{R,k}$ [kN]	0,40	0,34	0,52	0,59	0,71	0,88	1,29	1,42	1,42	1,42	1,42	1,42
		0,50	0,34	0,52	0,59	0,71	0,88	1,29	1,56	1,86	2,13	2,46	2,46
		0,55	0,34	0,52	0,59	0,71	0,88	1,29	1,56	1,86	2,13	2,60	2,60
		0,63	0,34	0,52	0,59	0,71	0,88	1,29	1,56	1,86	2,13	2,70	2,81
		0,75	0,34	0,52	0,59	0,71	0,88	1,29	1,56	1,86	2,13	2,70	3,14
		0,88	0,34	0,52	0,59	0,71	0,88	1,29	1,56	1,86	2,13	2,70	3,14
		1,00	0,34	0,52	0,59	0,71	0,88	1,29	1,56	1,86	2,13	2,70	3,14
		1,13	0,34	0,52	0,59	0,71	0,88	1,29	1,56	1,86	2,13	2,70	3,14
		1,25	0,34	0,52	0,59	0,71	0,88	1,29	1,56	1,86	2,13	2,70	3,14

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.

METAL SHEETS - STEEL $\leq 1,5$ MM - GALVANISED

