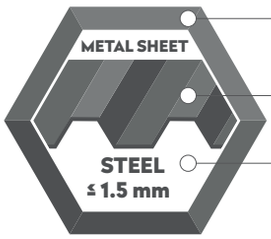
SELF-DRILL METAL TILE SHEET SCREW DP1

APPLICATION



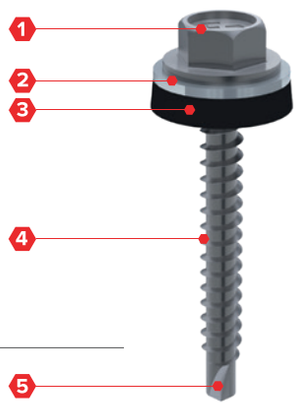
SS SUS410

Metal sheet Screw

Steel ≤ 1,5 mm

SPECIFICATION

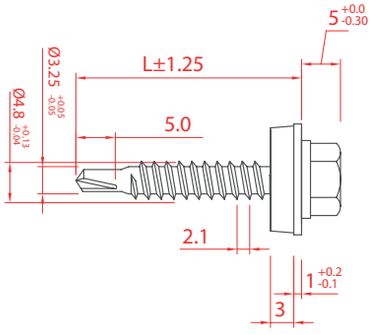
1. Head style 5/16" (8 mm)
2. Washer diameter standard 14 mm
3. SS EPDM bond seal
4. Thread for substructure steel ≤ 1,5 mm
5. Drilling point 1

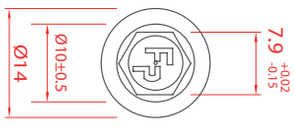


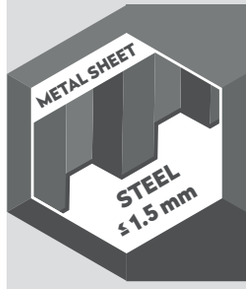
OPTIONS

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

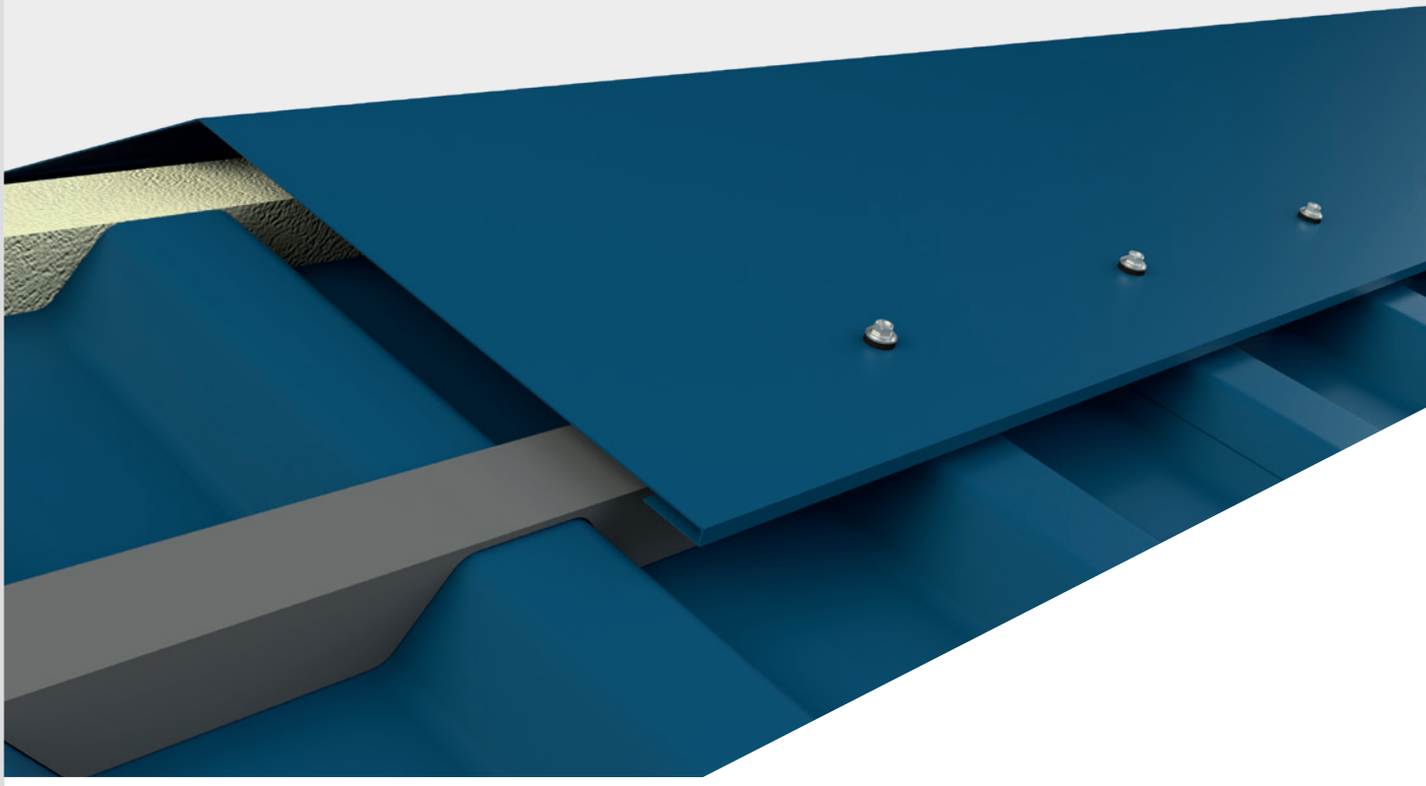
SECTION

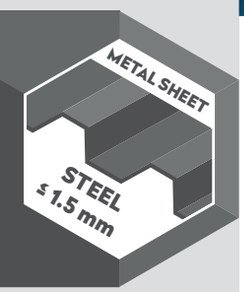






METAL SHEETS - STEEL ≤ 1,5 MM - RVS SUS410





ORDER INFORMATION

Product	Size *(L)*	Packaging	Article code
Self-Drilling Metal Tile Sheet Screw 4,8 x 20 - DP1	20 mm	250 pcs/box	2003024801916
Self-Drilling Metal Tile Sheet Screw 4,8 x 28 - DP1	28 mm	250 pcs/box	2003014802814
Self-Drilling Metal Tile Sheet Screw 4,8 x 35 - DP1	35 mm	250 pcs/box	2003014803514

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

CERTIFICATES

CE

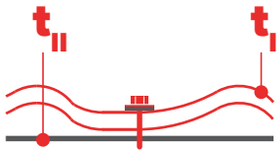
FP QUALITY CONFIRMED

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

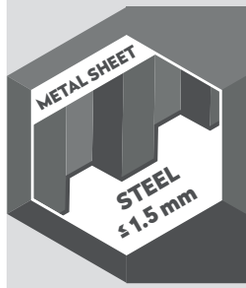
Materials	
Screw	SS 1.4006 (SUS410) - conform EN 3506
Washer	SS 1.4301 (A2) - conform EN 3506
Material A (t_I)	S280GD, S320GD and S350GD conform EN 10346
Material B (t_{II})	S235 conform EN 10025-2, S280GD, S320GD and S350GD conform EN 10346
Drilling capacity	Steel ≤ 1,5 mm

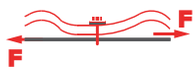
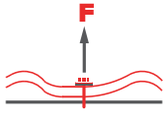
CE

QUALITY CONFIRMED



WASHER DIAMETER 14 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**	0,57	0,57	0,57	0,57	0,57	0,57	0,57	0,57	0,57	0,57	0,57
		0,50	0,57	0,95	0,95	0,95	0,95	0,95	0,95	0,95	0,95	0,95	0,95
		0,55	0,57	0,95	1,19	1,19	1,19	1,19	1,19	1,19	1,19	1,19	1,19
		0,63	0,57	0,95	1,19	1,57	1,57	1,57	1,57	1,57	1,57	1,57	1,57
		0,75	0,57	0,95	1,19	1,57	2,15	2,15	2,15	2,15	2,15	2,15	2,15
		0,88	0,57	0,95	1,19	1,57	2,15	2,87	2,87	2,87	2,87	2,87	2,87
		1,00	0,57	0,95	1,19	1,57	2,15	2,87	2,87	2,87	2,87	2,87	2,87
		1,13	0,57	0,95	1,19	1,57	2,15	2,87	2,87	2,87	2,87	2,87	2,87
		1,25	0,57	0,95	1,19	1,57	2,15	2,87	2,87	2,87	2,87	2,87	2,87
	$N_{R,k}$ [kN]	**0,40**	0,33	0,54	0,61	0,71	0,88	1,26	1,26	1,26	1,26	1,26	1,26
		0,50	0,33	0,54	0,61	0,71	0,88	1,31	1,59	1,90	1,96	1,96	1,96
		0,55	0,33	0,54	0,61	0,71	0,88	1,31	1,59	1,90	2,07	2,07	2,07
		0,63	0,33	0,54	0,61	0,71	0,88	1,31	1,59	1,90	2,18	2,24	2,24
		0,75	0,33	0,54	0,61	0,71	0,88	1,31	1,59	1,90	2,18	2,51	2,51
		0,88	0,33	0,54	0,61	0,71	0,88	1,31	1,59	1,90	2,18	2,51	2,51
		1,00	0,33	0,54	0,61	0,71	0,88	1,31	1,59	1,90	2,18	2,51	2,51
		1,13	0,33	0,54	0,61	0,71	0,88	1,31	1,59	1,90	2,18	2,51	2,51
		1,25	0,33	0,54	0,61	0,71	0,88	1,31	1,59	1,90	2,18	2,51	2,51

Note

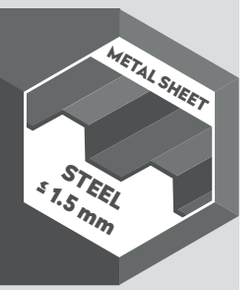
1. Above mentioned values are characteristic values.
2. To determine the design value we advise to apply a material factor of ym = 1,33 .
3. You can find further information and calculation examples on page 10.1.7.

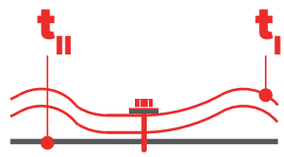
SELF-DRILLING METAL TILE SHEET SCREW 4,8 X L - DP1 , WASHER DIAMETER Ø 16,0 MM

Materials	
Screw	SS 1.4006 (SUS410) - conform EN3506
Washer	SS 1.4301 (A2) - conform EN3506
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 ≤ 1,5 mm

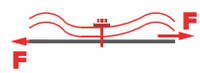
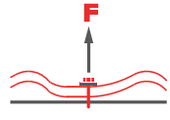
CE

QUALITY CONFIRMED





WASHER DIAMETER 16 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**	0,57	0,57	0,57	0,57	0,57	0,57	0,57	0,57	0,57	0,57	0,57
		0,50	0,57	0,95	0,95	0,95	0,95	0,95	0,95	0,95	0,95	0,95	0,95
		0,55	0,57	0,95	1,19	1,19	1,19	1,19	1,19	1,19	1,19	1,19	1,19
		0,63	0,57	0,95	1,19	1,57	1,57	1,57	1,57	1,57	1,57	1,57	1,57
		0,75	0,57	0,95	1,19	1,57	2,15	2,15	2,15	2,15	2,15	2,15	2,15
		0,88	0,57	0,95	1,19	1,57	2,15	2,87	2,87	2,87	2,87	2,87	2,87
		1,00	0,57	0,95	1,19	1,57	2,15	2,87	2,87	2,87	2,87	2,87	2,87
		1,13	0,57	0,95	1,19	1,57	2,15	2,87	2,87	2,87	2,87	2,87	2,87
		1,25	0,57	0,95	1,19	1,57	2,15	2,87	2,87	2,87	2,87	2,87	2,87
	$N_{R,k}$ [kN]	**0,40**	0,33	0,54	0,61	0,71	0,88	1,29	1,29	1,29	1,29	1,29	1,29
		0,50	0,33	0,54	0,61	0,71	0,88	1,31	1,59	1,90	1,98	1,98	1,98
		0,55	0,33	0,54	0,61	0,71	0,88	1,31	1,59	1,90	2,18	2,21	2,21
		0,63	0,33	0,54	0,61	0,71	0,88	1,31	1,59	1,90	2,18	2,57	2,57
		0,75	0,33	0,54	0,61	0,71	0,88	1,31	1,59	1,90	2,18	2,76	3,12
		0,88	0,33	0,54	0,61	0,71	0,88	1,31	1,59	1,90	2,18	2,76	3,12
		1,00	0,33	0,54	0,61	0,71	0,88	1,31	1,59	1,90	2,18	2,76	3,12
		1,13	0,33	0,54	0,61	0,71	0,88	1,31	1,59	1,90	2,18	2,76	3,12
		1,25	0,33	0,54	0,61	0,71	0,88	1,31	1,59	1,90	2,18	2,76	3,12

Note

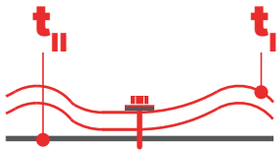
1. Above mentioned values are characteristic values.
2. To determine the design value we advise to apply a material factor of ym = 1,33 .
3. You can find further information and calculation examples on page 10.1.7.

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

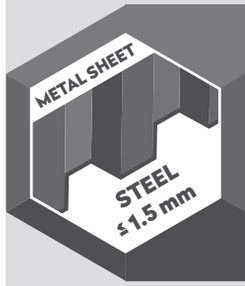
Materials	
Screw	SS 1.4006 (SUS410) - conform EN3506
Washer	SS 1.4301 (A2) - conform EN3506
Material A (t_I)	S280GD, S320GD and S350GD conform and 10346
Material B (t_{II})	S235 conform and 10025-2, S280GD, S320GD and S350GD conform and 10346
Drilling capacity	Steel ≤ 1,5 mm

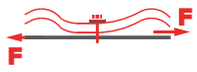
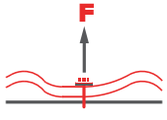
CE

QUALITY CONFIRMED



WASHER DIAMETER 19 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**	0,57	0,57	0,57	0,57	0,57	0,57	0,57	0,57	0,57	0,57	0,57
		0,50	0,57	0,95	0,95	0,95	0,95	0,95	0,95	0,95	0,95	0,95	0,95
		0,55	0,57	0,95	1,19	1,19	1,19	1,19	1,19	1,19	1,19	1,19	1,19
		0,63	0,57	0,95	1,19	1,57	1,57	1,57	1,57	1,57	1,57	1,57	1,57
		0,75	0,57	0,95	1,19	1,57	2,15	2,15	2,15	2,15	2,15	2,15	2,15
		0,88	0,57	0,95	1,19	1,57	2,15	2,87	2,87	2,87	2,87	2,87	2,87
		1,00	0,57	0,95	1,19	1,57	2,15	2,87	2,87	2,87	2,87	2,87	2,87
		1,13	0,57	0,95	1,19	1,57	2,15	2,87	2,87	2,87	2,87	2,87	2,87
		1,25	0,57	0,95	1,19	1,57	2,15	2,87	2,87	2,87	2,87	2,87	2,87
	$N_{R,k}$ [kN]	**0,40**	0,33	0,54	0,61	0,71	0,88	1,31	1,42	1,42	1,42	1,42	1,42
		0,50	0,33	0,54	0,61	0,71	0,88	1,31	1,59	1,90	2,18	2,46	2,46
		0,55	0,33	0,54	0,61	0,71	0,88	1,31	1,59	1,90	2,18	2,60	2,60
		0,63	0,33	0,54	0,61	0,71	0,88	1,31	1,59	1,90	2,18	2,76	2,81
		0,75	0,33	0,54	0,61	0,71	0,88	1,31	1,59	1,90	2,18	2,76	3,14
		0,88	0,33	0,54	0,61	0,71	0,88	1,31	1,59	1,90	2,18	2,76	3,14
		1,00	0,33	0,54	0,61	0,71	0,88	1,31	1,59	1,90	2,18	2,76	3,14
		1,13	0,33	0,54	0,61	0,71	0,88	1,31	1,59	1,90	2,18	2,76	3,14
		1,25	0,33	0,54	0,61	0,71	0,88	1,31	1,59	1,90	2,18	2,76	3,14

Note

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