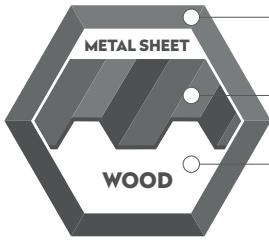




SELF-DRILL METAL TILE SHEET SCREW DP1

APPLICATION



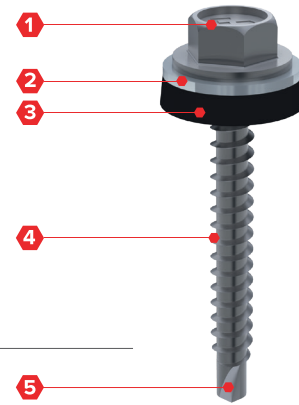
SS SUS410

Metal sheet Screw

Wood

SPECIFICATION

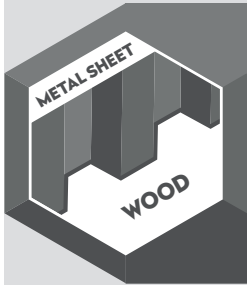
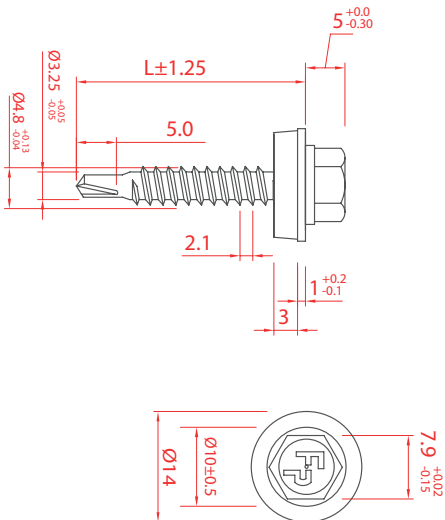
- 1 Head style 5/16" (8 mm)
- 2 Washer diameter standard 14 mm
- 3 SS EPDM bond seal
- 4 Thread for substructure wood
- 5 Drilling point 1



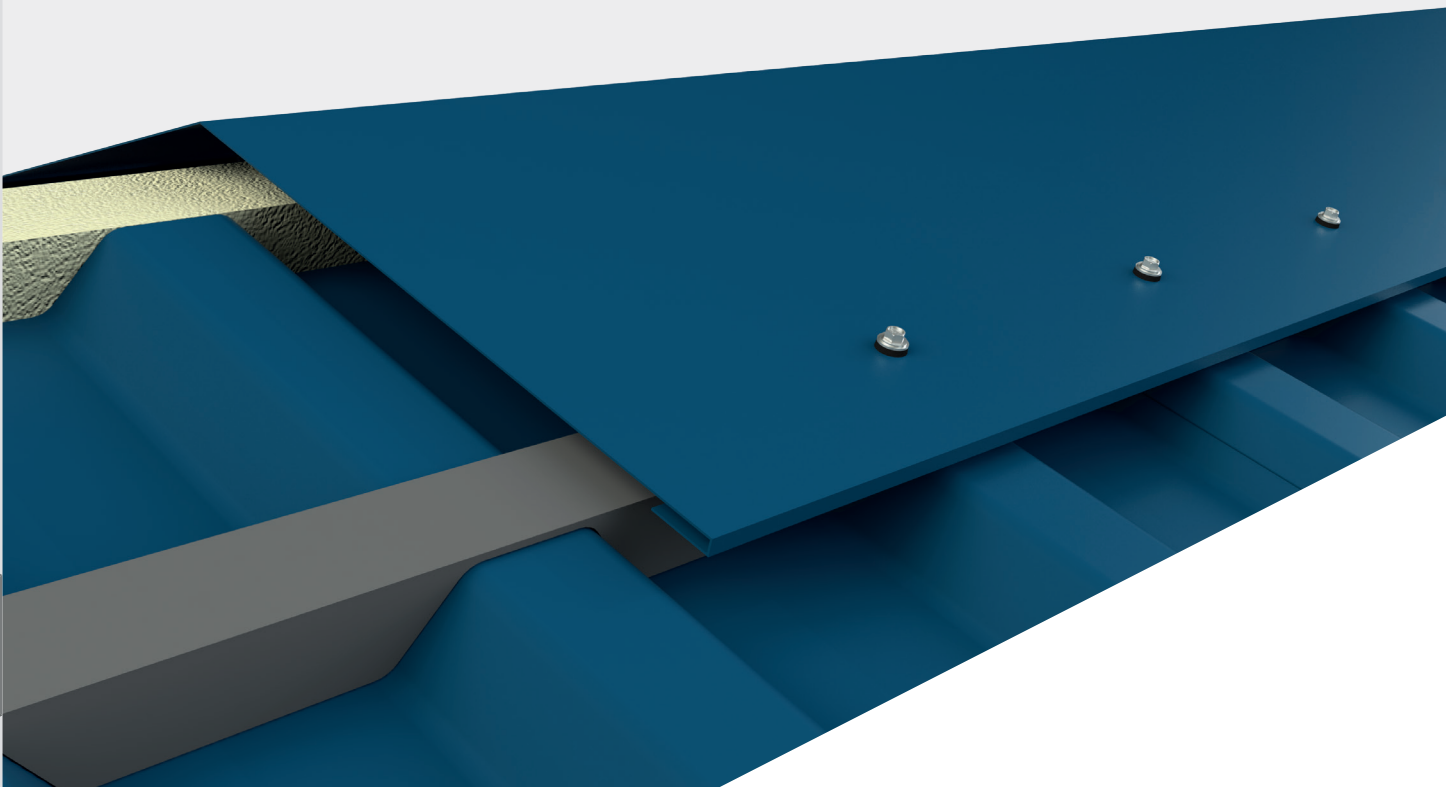
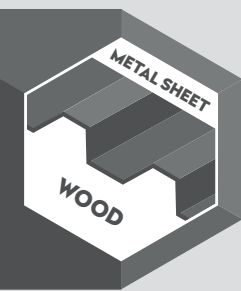
OPTIONS

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

SECTION



METAL SHEETS - WOOD - SS 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.

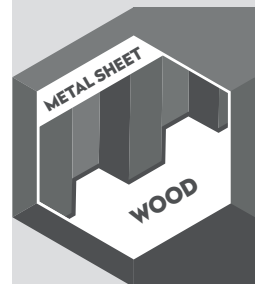
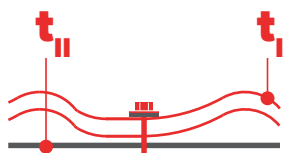
CERTIFICATES

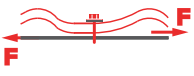
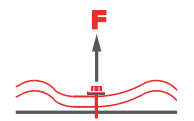


QUALITY
CONFIRMED

SELF-DRILLING METAL TILE SHEET SCREW 4,8 X L - DP1, WASHER DIAMETER Ø14,0 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 EN 10346	
Material B (t_{II})	Wood \geq C24 conform DIN EN 338	
Drilling capacity	Wood \geq 30 mm	





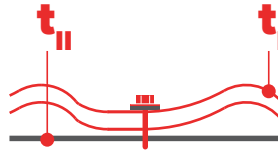
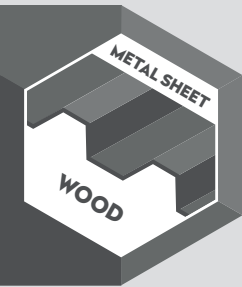
		t_{N1} [mm]	L_{eff} [mm]
			30
	$V_{R,k}$ [kN]	0,40	1,00
		0,50	1,28
		0,55	1,35
		0,63	1,45
		0,75	1,60
		0,88	1,60
		1,00	1,60
		1,13	1,60
	$N_{R,k}$ [kN]	0,40	1,26
		0,50	1,87
		0,55	1,87
		0,63	1,87
		0,75	1,87
		0,88	1,87
		1,00	1,87
		1,13	1,87
		1,25	1,87


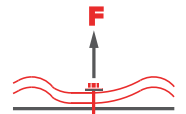
Note

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 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 EN 10346	
Material B (t_{II})	Wood ≥ C24 conform DIN EN 338	
Drilling capacity	Wood ≥ 30 mm	





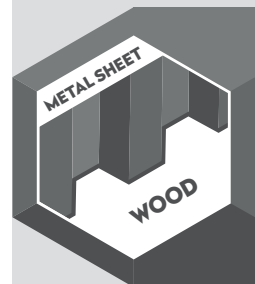
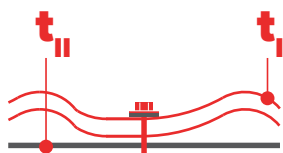
		t_{Ni} [mm]	L_{eff} [mm]
			30
 $V_{R,k}$ [kN]		0,40	1,00
		0,50	1,28
		0,55	1,35
		0,63	1,45
		0,75	1,60
		0,88	1,60
		1,00	1,60
		1,13	1,60
		1,25	1,60
 $N_{R,k}$ [kN]		0,40	1,29
		0,50	1,87
		0,55	1,87
		0,63	1,87
		0,75	1,87
		0,88	1,87
		1,00	1,87
		1,13	1,87
		1,25	1,87

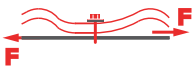
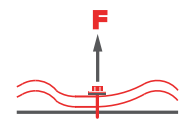
Note

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 Ø19,0 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 EN 10346	
Material B (t_{II})	Wood \geq C24 conform DIN EN 338	
Drilling capacity	Wood \geq 30 mm	



		t_{N1} [mm]	L_{eff} [mm]
			30
	$V_{R,k}$ [kN]	0,40	1,00
		0,50	1,28
		0,55	1,35
		0,63	1,45
		0,75	1,60
		0,88	1,60
		1,00	1,60
		1,13	1,60
	$N_{R,k}$ [kN]	0,40	1,42
		0,50	1,87
		0,55	1,87
		0,63	1,87
		0,75	1,87
		0,88	1,87
		1,00	1,87
		1,13	1,87
		1,25	1,87

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.

