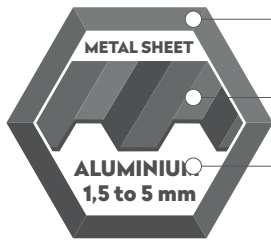




SELF-DRILLING SCREW DP3

APPLICATION



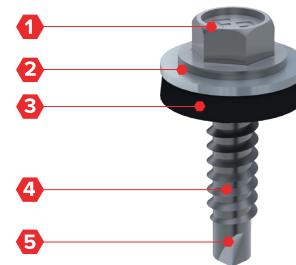
SS SUS410

Metal sheet Screw

Aluminium 1,5 to 5 mm

SPECIFICATION

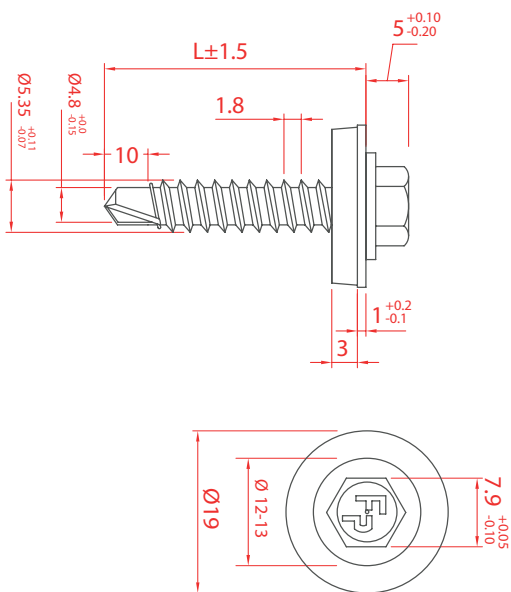
- 1 Head style 5/16" (8 mm)
- 2 Washer diameter standard 16 mm
- 3 SS EPDM bond seal
- 4 Thread for substructure aluminium 1,5 to 5 mm
- 5 Drilling point 3



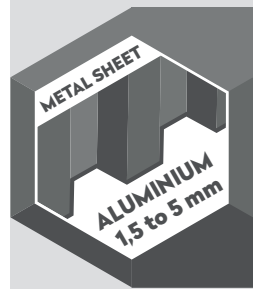
OPTIONS

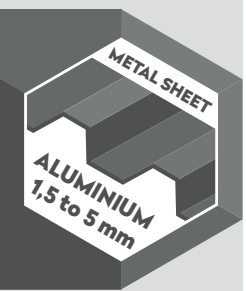
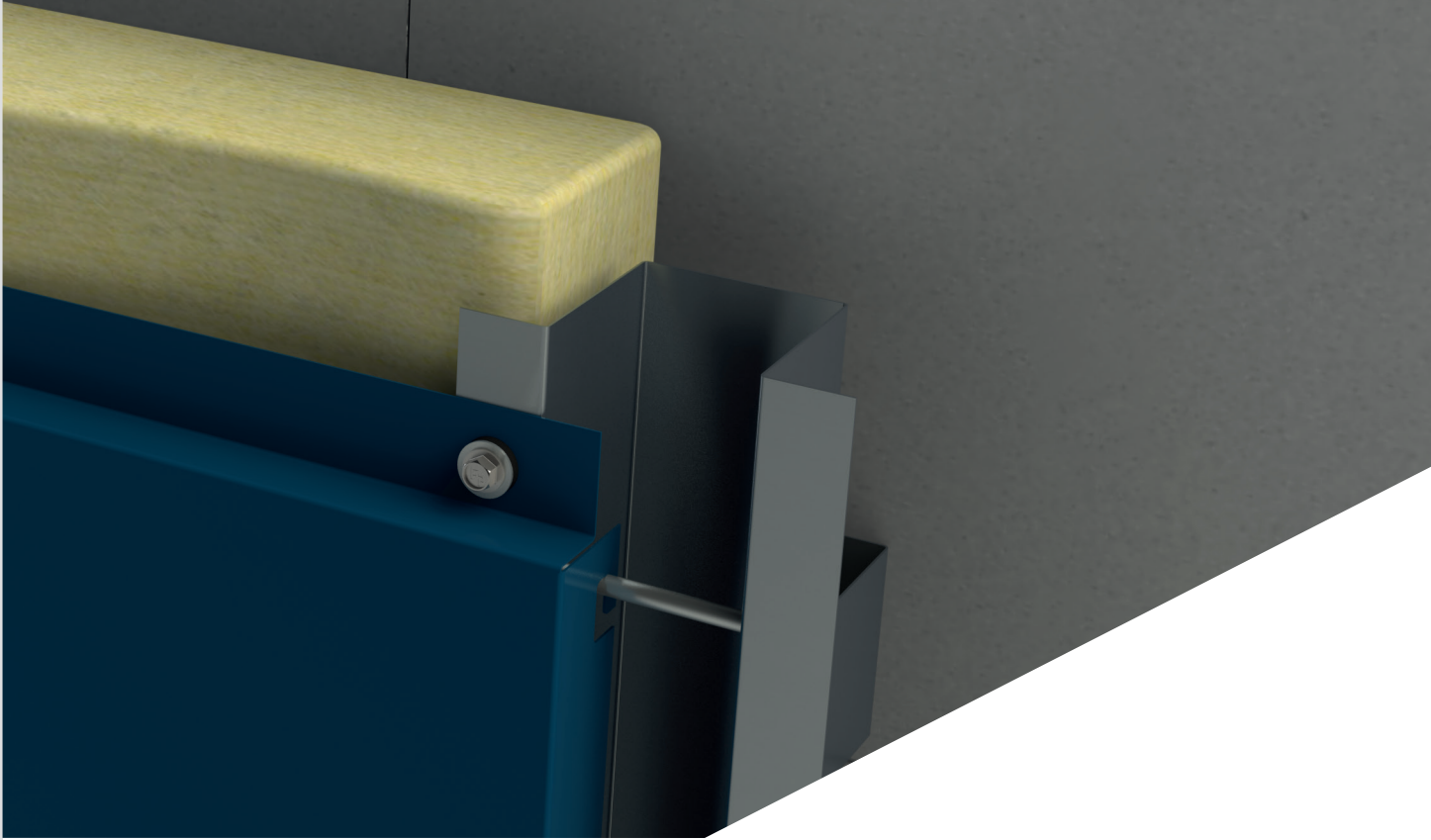
- 1 Powder coated in any desired RAL colour
- 2 Washer diameter 19 or 22 mm

SECTION



METAL SHEETS - ALUMINIUM 1,5 TO 5 MM - SS SUS410





ORDER INFORMATION

Product	Size (L)	Packaging	Article code
Self-Drilling Screw 5,5 x 30 - DP3	30 mm	250 pcs/box	2003035503016



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


CERTIFICATES




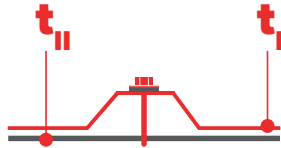
QUALITY
CONFIRMED



SELF-DRILLING SCREW 5,5 X L - DP3, WASHER DIAMETER Ø 16,0 MM

Materials	
Screw	SS 1.4006 (SUS410) - conform EN3506
Washer	SS 1.4301 (A2) - conform EN3506
Material A (t_{\perp})	S280GD, S320GD and S350GD conform EN 10346
Material B (t_{\parallel})	Aluminium Alloy and 573 Rm,min \geq 215 N/mm ²
Drilling capacity	Alu 215 \leq 5 mm





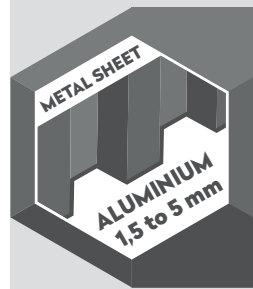


		t_{\perp} [mm]	t_{\parallel} [mm]						
			0,75	1,00	1,50	2,00	3,00	4,00	6,00
 $V_{R,k}$ [kN]	0,40	0,88	0,88	0,88	0,88	0,88	0,88	0,88	0,88
	0,50	0,94	0,94	0,94	0,94	0,94	0,94	0,94	0,94
	0,55	1,01	1,01	1,01	1,01	1,01	1,01	1,01	1,01
	0,63	1,12	1,12	1,12	1,12	1,12	1,12	1,12	1,12
	0,75	1,28	1,28	1,28	1,28	1,28	1,28	1,28	1,28
	0,88	1,28	1,46	1,46	2,44	2,44	2,44	2,44	2,44
	1,00	1,28	1,63	1,63	2,44	2,44	2,44	2,44	2,44
	1,13	1,28	1,63	1,68	2,44	2,44	2,44	2,44	2,44
	1,25	1,28	1,63	1,68	2,44	2,44	2,44	2,44	2,44
 $N_{R,k}$ [kN]	0,40	0,23	0,37	0,81	1,35	1,48	1,48	1,48	1,48
	0,50	0,23	0,37	0,81	1,35	1,78	1,78	1,78	1,78
	0,55	0,23	0,37	0,81	1,35	2,01	2,01	2,01	2,01
	0,63	0,23	0,37	0,81	1,35	2,03	2,39	2,39	2,39
	0,75	0,23	0,37	0,81	1,35	2,03	2,79	2,79	2,79
	0,88	0,23	0,37	0,81	1,35	2,03	2,79	2,79	2,79
	1,00	0,23	0,37	0,81	1,35	2,03	2,79	2,79	2,79
	1,13	0,23	0,37	0,81	1,35	2,03	2,79	2,79	2,79
	1,25	0,23	0,37	0,81	1,35	2,03	2,79	2,79	2,79

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.


METAL SHEETS - ALUMINIUM 1,5 TO 5 MM - SS SUS410

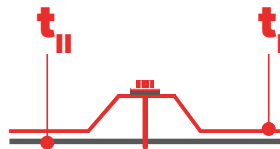



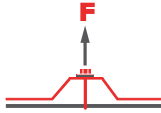
SELF-DRILLING SCREW 5,5 X L - DP3, WASHER DIAMETER Ø 19,0 MM

Materials	
Screw	SS 1.4006 (SUS410) - conform EN3506
Washer	SS 1.4301 (A2) - conform EN3506
Material A (t_I)	S280GD, S320GD and S350GD conform EN 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
 $V_{R,k}$ [kN]	0,40	0,88	0,88	0,88	0,88	0,88	0,88	0,88
	0,50	0,94	0,94	0,94	0,94	0,94	0,94	0,94
	0,55	1,01	1,01	1,01	1,01	1,01	1,01	1,01
	0,63	1,12	1,12	1,12	1,12	1,12	1,12	1,12
	0,75	1,28	1,28	1,28	1,28	1,28	1,28	1,28
	0,88	1,28	1,46	1,46	2,44	2,44	2,44	2,44
	1,00	1,28	1,63	1,63	2,44	2,44	2,44	2,44
	1,13	1,28	1,63	1,68	2,44	2,44	2,44	2,44
	1,25	1,28	1,63	1,68	2,44	2,44	2,44	2,44
 $N_{R,k}$ [kN]	0,40	0,23	0,37	0,81	1,35	1,61	1,61	1,61
	0,50	0,23	0,37	0,81	1,35	2,03	2,37	2,37
	0,55	0,23	0,37	0,81	1,35	2,03	2,59	2,59
	0,63	0,23	0,37	0,81	1,35	2,03	2,79	2,79
	0,75	0,23	0,37	0,81	1,35	2,03	2,79	2,79
	0,88	0,23	0,37	0,81	1,35	2,03	2,79	2,79
	1,00	0,23	0,37	0,81	1,35	2,03	2,79	2,79
	1,13	0,23	0,37	0,81	1,35	2,03	2,79	2,79
	1,25	0,23	0,37	0,81	1,35	2,03	2,79	2,79


Note

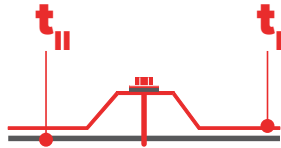
1. Above mentioned values are characteristic values.
2. To determine the design value we advise to apply a material factor of $\gamma_m = 1,33$.
3. You can find further information and calculation examples on page 10.1.7.
4. The mechanical properties in combination with an aluminium support in $R_m \geq 165$ N/mm² quality are available on request. Please contact our internal sales department for more information.



SELF-DRILLING SCREW 5,5 X L - DP3, WASHER DIAMETER Ø 22,0 MM

Materials	
Screw	SS 1.4006 (SUS410) - conform EN3506
Washer	SS 1.4301 (A2) - conform EN3506
Material A (t_{\perp})	S280GD, S320GD and S350GD conform EN 10346
Material B (t_{\parallel})	Aluminium Alloy and 573 Rm,min \geq 215 N/mm ²
Drilling capacity	Alu 215 \leq 5 mm







		t_{N1} [mm]	t_{\parallel} [mm]						
			0,75	1,00	1,50	2,00	3,00	4,00	6,00
	$V_{R,k}$ [kN]	0,40	0,88	0,88	0,88	0,88	0,88	0,88	0,88
		0,50	0,94	0,94	0,94	0,94	0,94	0,94	0,94
		0,55	1,01	1,01	1,01	1,01	1,01	1,01	1,01
		0,63	1,12	1,12	1,12	1,12	1,12	1,12	1,12
		0,75	1,28	1,28	1,28	1,28	1,28	1,28	1,28
		0,88	1,28	1,46	1,46	2,44	2,44	2,44	2,44
		1,00	1,28	1,63	1,63	2,44	2,44	2,44	2,44
		1,13	1,28	1,63	1,68	2,44	2,44	2,44	2,44
		1,25	1,28	1,63	1,68	2,44	2,44	2,44	2,44
	$N_{R,k}$ [kN]	0,40	0,23	0,37	0,81	1,35	1,81	1,81	1,81
		0,50	0,23	0,37	0,81	1,35	2,03	2,47	2,47
		0,55	0,23	0,37	0,81	1,35	2,03	2,79	2,79
		0,63	0,23	0,37	0,81	1,35	2,03	2,79	2,79
		0,75	0,23	0,37	0,81	1,35	2,03	2,79	2,79
		0,88	0,23	0,37	0,81	1,35	2,03	2,79	2,79
		1,00	0,23	0,37	0,81	1,35	2,03	2,79	2,79
		1,13	0,23	0,37	0,81	1,35	2,03	2,79	2,79
		1,25	0,23	0,37	0,81	1,35	2,03	2,79	2,79

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.

METAL SHEETS - ALUMINIUM 1,5 TO 5 MM - SS SUS410

