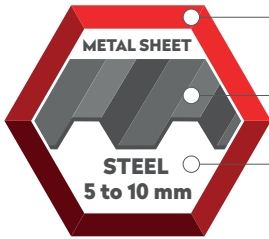




SELF-DRILLING SCREW DP5

APPLICATION



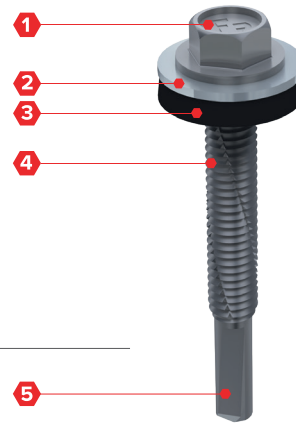
Bi-metal A2 304

Metal sheet Screw

Steel 5 to 10 mm

SPECIFICATION

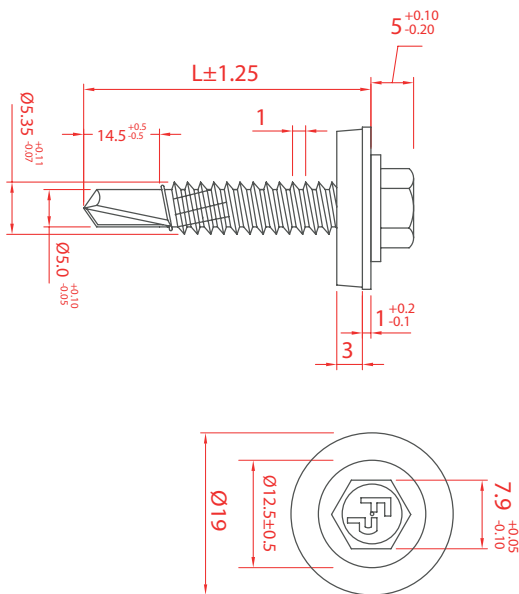
- 1 Head style 5/16" (8 mm)
- 2 Washer diameter standard 16 mm
- 3 SS EPDM bond seal
- 4 Thread for substructure steel van 5 to 10 mm
- 5 Drilling point 5 (gehard steel)



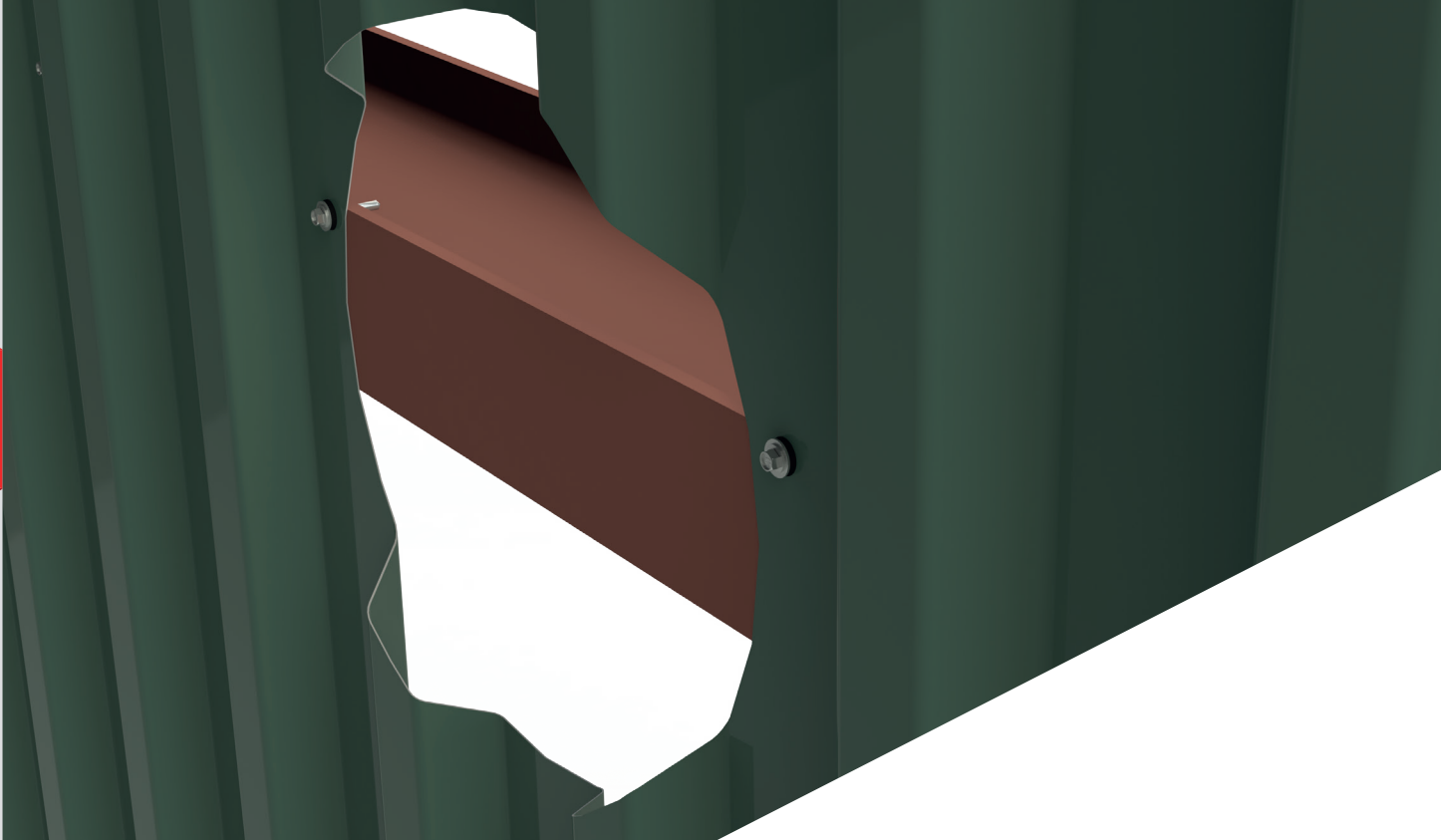
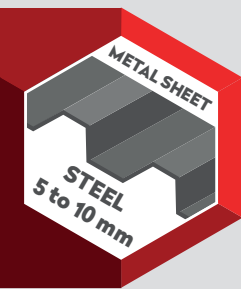
OPTIONS

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

SECTION



METAL SHEETS - STEEL 5 TO 10 MM - BI-METAL A2 304



METAL SHEETS - STEEL 5 TO 10 MM - BI-METAL A2 304

ORDER INFORMATION

Product	Size (L)	Packaging	Article code
Self-Drilling Screw 5,5 x 40 - DP5	40 mm	250 stuks	2001055504016



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

CERTIFICATES

Deutsches
Institut
für
Bautechnik





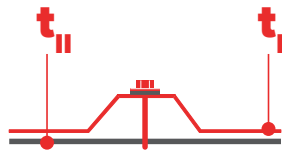
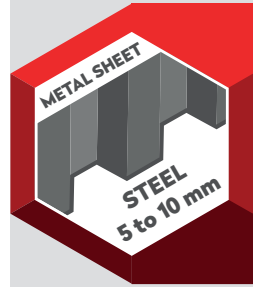
European
Technical Approval
ETA 17/0321



QUALITY
CONFIRMED

SELF-DRILLING SCREW 5,5 X L - DP5, WASHER DIAMETER Ø 16,0 MM

Materials		
Screw	Stainless steel 1.4301 (A2) – conform and ISO 3506	 European Technical Approval ETA 17/0321  QUALITY CONFIRMED
Washer	Stainless steel 1.4301 (A2) – conform and ISO 3506	
Material A (t_I)	Steel quality S280GD, S320GD and S350GD - conform EN 10346	
Material B (t_{II})	Steel quality S235, S280GD, S320GD and S350GD - conform EN 10346	
Drilling capacity	Steel \leq 10 mm	

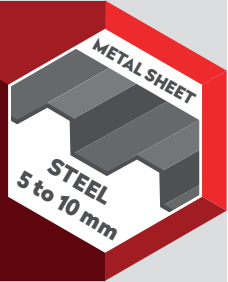




		t_{NI} [mm]	t_{II} [mm]									
			0,75	0,88	1,00	1,13	1,25	1,50	2,00	3,00	4,00	> 6,00
	$V_{R,k}$ [kN]	0,40	1,08	1,08	1,08	1,08	1,08	1,08	1,08	1,08	1,08	1,08
		0,50	1,10	1,10	1,10	1,10	1,10	1,10	1,10	1,10	1,10	1,10
		0,55	1,20	1,20	1,20	1,20	1,20	1,20	1,20	1,20	1,20	1,20
		0,63	1,37	1,37	1,37	1,37	1,37	1,37	1,37	1,37	1,37	1,37
		0,75	1,62	1,62	1,62	1,62	1,62	1,62	1,62	1,62	1,62	1,62
		0,88	1,62	2,16	2,16	2,16	2,16	2,16	2,16	2,16	2,16	2,16
		1,00	1,62	2,16	2,65	2,65	2,65	2,65	2,65	2,65	2,65	2,65
	$N_{R,k}$ [kN]	0,40	0,60	0,74	0,86	1,09	1,30	1,43	1,43	1,43	1,43	1,43
		0,50	0,60	0,74	0,86	1,09	1,30	1,74	1,74	1,74	1,74	1,74
		0,55	0,60	0,74	0,86	1,09	1,30	1,74	2,17	2,17	2,17	2,17
		0,63	0,60	0,74	0,86	1,09	1,30	1,74	2,62	2,85	2,85	2,85
		0,75	0,60	0,74	0,86	1,09	1,30	1,74	2,62	3,65	3,88	3,88
		0,88	0,60	0,74	0,86	1,09	1,30	1,74	2,62	3,65	3,88	3,88
		1,00	0,60	0,74	0,86	1,09	1,30	1,74	2,62	3,65	3,88	3,88

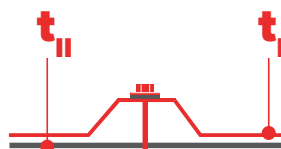
Note



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 SCREW 5,5 X L - DP5, WASHER DIAMETER Ø 19,0 MM



Materials		
Screw	Stainless steel 1.4301 (A2) – conform and ISO 3506	 European Technical Approval ETA 17/0321
Washer	Stainless steel 1.4301 (A2) – conform and ISO 3506	
Material A (t_I)	Steel quality S280GD, S320GD and S350GD - conform EN 10346	 QUALITY CONFIRMED
Material B (t_{II})	Steel quality S235, S280GD, S320GD and S350GD - conform EN 10346	
Drilling capacity	Steel \leq 10 mm	





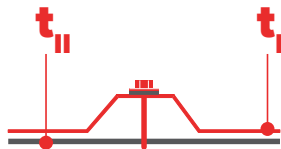
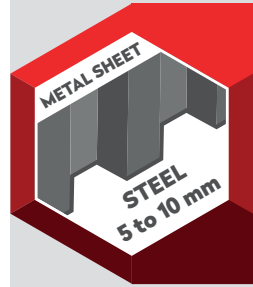
		t_{NI} [mm]	t_{II} [mm]									
			0,75	0,88	1,00	1,13	1,25	1,50	2,00	3,00	4,00	> 6,00
	$V_{R,k}$ [kN]	0,40	1,08	1,08	1,08	1,08	1,08	1,08	1,08	1,08	1,08	1,08
		0,50	1,10	1,10	1,10	1,10	1,10	1,10	1,10	1,10	1,10	1,10
		0,55	1,20	1,20	1,20	1,20	1,20	1,20	1,20	1,20	1,20	1,20
		0,63	1,37	1,37	1,37	1,37	1,37	1,37	1,37	1,37	1,37	1,37
		0,75	1,62	1,62	1,62	1,62	1,62	1,62	1,62	1,62	1,62	1,62
		0,88	1,62	2,16	2,16	2,16	2,16	2,16	2,16	2,16	2,16	2,16
		1,00	1,62	2,16	2,65	2,65	2,65	2,65	2,65	2,65	2,65	2,65
	$N_{R,k}$ [kN]	0,40	0,60	0,74	0,86	1,09	1,30	1,74	1,74	1,74	1,74	1,74
		0,50	0,60	0,74	0,86	1,09	1,30	1,74	2,26	2,26	2,26	2,26
		0,55	0,60	0,74	0,86	1,09	1,30	1,74	2,62	2,66	2,66	2,66
		0,63	0,60	0,74	0,86	1,09	1,30	1,74	2,62	3,29	3,29	3,29
		0,75	0,60	0,74	0,86	1,09	1,30	1,74	2,62	3,65	4,24	4,24
		0,88	0,60	0,74	0,86	1,09	1,30	1,74	2,62	3,65	4,24	4,24
		1,00	0,60	0,74	0,86	1,09	1,30	1,74	2,62	3,65	4,24	4,24



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 SCREW 5,5 X L - DP5, WASHER DIAMETER Ø 22,0 MM

Materials		
Screw	Stainless steel 1.4301 (A2) – conform and ISO 3506	 European Technical Approval ETA 17/0321  QUALITY CONFIRMED
Washer	Stainless steel 1.4301 (A2) – conform and ISO 3506	
Material A (t_I)	Steel quality S280GD, S320GD and S350GD - conform EN 10346	
Material B (t_{II})	Steel quality S235, S280GD, S320GD and S350GD - conform EN 10346	
Drilling capacity	Steel \leq 10 mm	



		t_{NI} [mm]	t_{II} [mm]									
			0,75	0,88	1,00	1,13	1,25	1,50	2,00	3,00	4,00	> 6,00
	$V_{R,k}$ [kN]	0,40	1,08	1,08	1,08	1,08	1,08	1,08	1,08	1,08	1,08	1,08
		0,50	1,10	1,10	1,10	1,10	1,10	1,10	1,10	1,10	1,10	1,10
		0,55	1,20	1,20	1,20	1,20	1,20	1,20	1,20	1,20	1,20	1,20
		0,63	1,37	1,37	1,37	1,37	1,37	1,37	1,37	1,37	1,37	1,37
		0,75	1,62	1,62	1,62	1,62	1,62	1,62	1,62	1,62	1,62	1,62
		0,88	1,62	2,16	2,16	2,16	2,16	2,16	2,16	2,16	2,16	2,16
		1,00	1,62	2,16	2,65	2,65	2,65	2,65	2,65	2,65	2,65	2,65
	$N_{R,k}$ [kN]	0,40	0,60	0,74	0,86	1,09	1,30	1,72	1,72	1,72	1,72	1,72
		0,50	0,60	0,74	0,86	1,09	1,30	1,74	2,17	2,17	2,17	2,17
		0,55	0,60	0,74	0,86	1,09	1,30	1,74	2,54	2,54	2,54	2,54
		0,63	0,60	0,74	0,86	1,09	1,30	1,74	2,62	3,12	3,12	3,12
		0,75	0,60	0,74	0,86	1,09	1,30	1,74	2,62	3,65	4,00	4,00
		0,88	0,60	0,74	0,86	1,09	1,30	1,74	2,62	3,65	4,00	4,00
		1,00	0,60	0,74	0,86	1,09	1,30	1,74	2,62	3,65	4,00	4,00

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.

