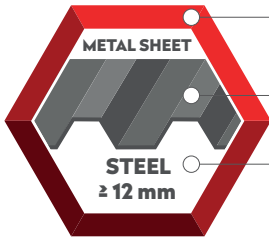




# SELF-DRILLING SCREW PRO S15

## APPLICATION



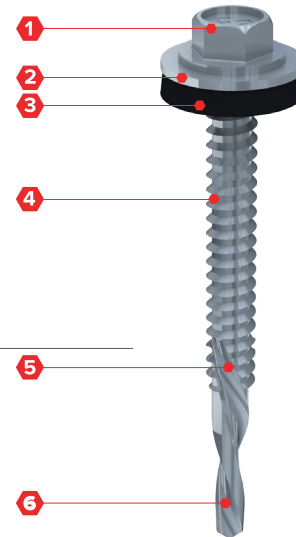
Bi-metal A2 304

Metal sheet Screw

Steel  $\geq 12$  mm

## SPECIFICATION

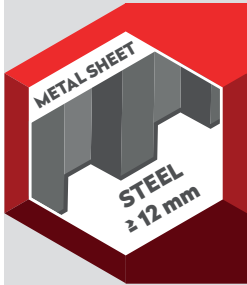
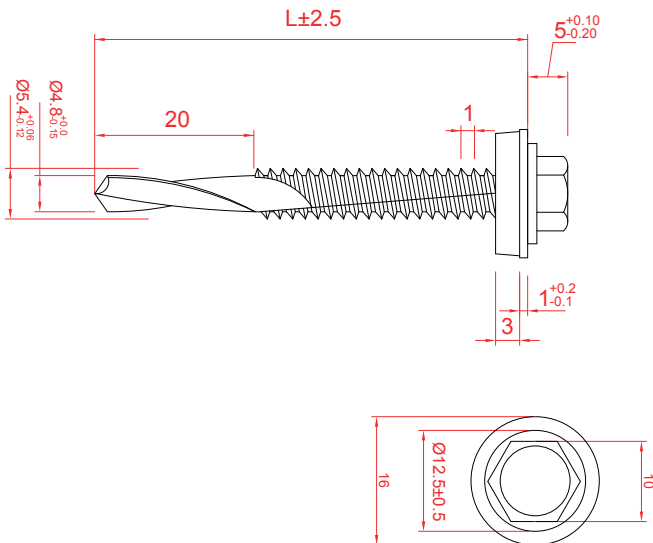
- 1 Head style 5/16" (8 mm)
- 2 Washer diameter standard 16 mm
- 3 SS EPDM bond seal
- 4 Support thread
- 5 Thread for substructure steel  $\geq 12$  mm
- 6 Drilling point S15



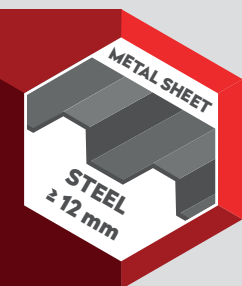
## OPTIONS

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

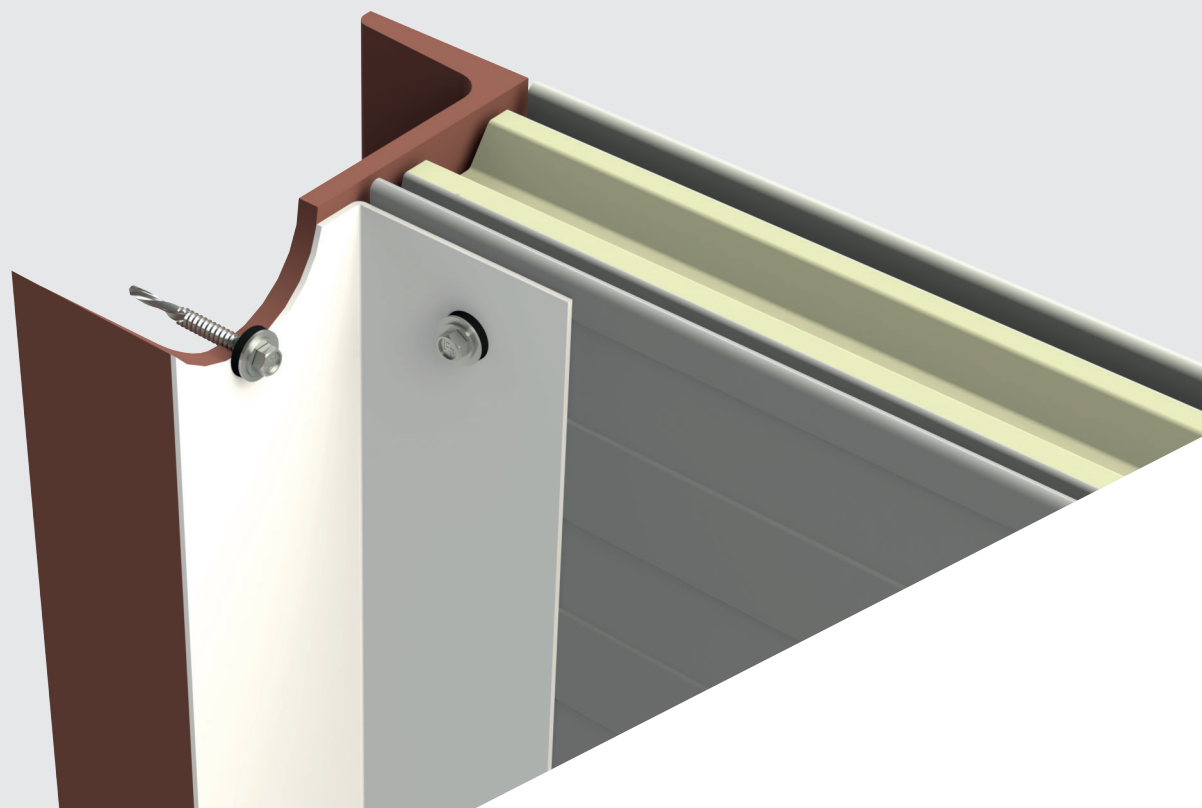
## SECTION



METAL SHEETS - STEEL  $\geq 12$  MM - BI-METAL A2 304



METAL SHEETS - STEEL ≥ 12 MM - BI-METAL A2 304



## ORDER INFORMATION

Product	Size (L)	Packaging	Article code
Self-Drilling Screw PRO S15 5,5 x L	50 mm	250 pieces	2001Q55505016





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

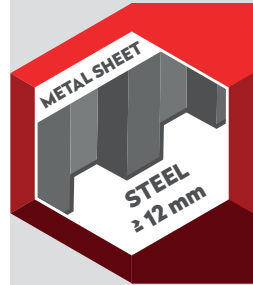
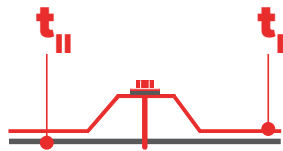
## CERTIFICATES





QUALITY  
CONFIRMED

**SELF-DRILLING SCREW PRO S15 5,5 X L, WASHER DIAMETER Ø 16,0 MM**

Materials		  QUALITY CONFIRMED
Screw	SS 1.4301 (A2) - conform EN3506	
Washer	SS 1.4301 (A2) - conform EN3506	
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 $\leq$ 6mm	





		$t_{NI}$ [mm]	$t_{II}$ [mm]						
			6,00	7,00	8,00	9,00	10,00	11,00	$\geq$ 12,00
	$V_{Rk}$ [kN]	0,40	1,03	1,03	1,03	1,03	1,03	1,03	1,03
		0,50	1,68	1,68	1,68	1,68	1,68	1,68	1,68
		0,55	1,74	1,74	1,74	1,74	1,74	1,74	1,74
		0,63	1,83	1,83	1,83	1,83	1,83	1,83	1,83
		0,75	1,96	1,96	1,96	1,96	1,96	1,96	1,96
		0,88	1,96	3,01	3,01	3,01	3,01	3,01	3,01
		1,00	1,96	3,01	3,01	3,01	3,01	3,01	3,01
		1,13	1,96	3,01	3,01	3,01	3,01	3,01	3,01
		1,25	1,96	3,01	3,01	3,01	3,01	3,01	3,01
	$N_{Rk}$ [kN]	0,40	1,35	1,35	1,35	1,35	1,35	1,35	1,35
		0,50	1,83	1,83	1,83	1,83	1,83	1,83	1,83
		0,55	2,07	2,07	2,07	2,07	2,07	2,07	2,07
		0,63	2,46	2,46	2,46	2,46	2,46	2,46	2,46
		0,75	3,05	3,05	3,05	3,05	3,05	3,05	3,05
		0,88	3,68	3,68	3,68	3,68	3,68	3,68	3,68
		1,00	3,68	3,68	3,68	3,68	3,68	3,68	3,68
		1,13	3,68	3,68	3,68	3,68	3,68	3,68	3,68
		1,25	3,68	3,68	3,68	3,68	3,68	3,68	3,68

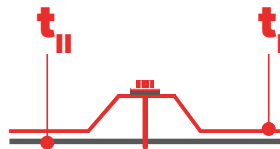
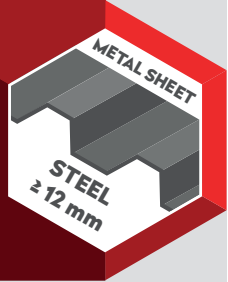
**Note**

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  $\geq$  12 MM - BI-METAL A2 304**

**SELF-DRILLING SCREW PRO S15 5,5 X L, WASHER DIAMETER Ø 19,0 MM**

Materials		
<b>Screw</b>	SS 1.4301 (A2) - conform EN3506	 
<b>Washer</b>	SS 1.4301 (A2) - conform EN3506	
<b>Material A (<math>t_I</math>)</b>	S280GD, S320GD and S350GD conform EN 10346	
<b>Material B (<math>t_{II}</math>)</b>	S235 conform EN 10025-2, S280GD, S320GD and S350GD conform EN 10346	
<b>Drilling capacity</b>	Steel $\leq 6$ mm	





**METAL SHEETS - STEEL  $\geq 12$  MM - BI-METAL A2 304**

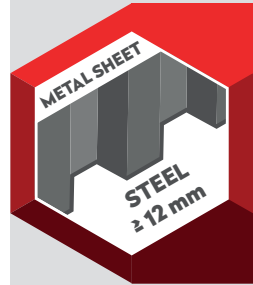
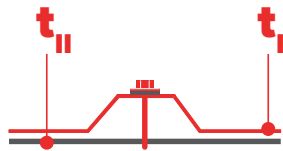
		$t_{NI}$ [mm]	$t_{II}$ [mm]						
			6,00	7,00	8,00	9,00	10,00	11,00	$\geq 12,00$
	$V_{R,k}$ [kN]	<b>0,40</b>	1,03	1,03	1,03	1,03	1,03	1,03	1,03
		<b>0,50</b>	1,68	1,68	1,68	1,68	1,68	1,68	1,68
		<b>0,55</b>	1,74	1,74	1,74	1,74	1,74	1,74	1,74
		<b>0,63</b>	1,83	1,83	1,83	1,83	1,83	1,83	1,83
		<b>0,75</b>	1,96	1,96	1,96	1,96	1,96	1,96	1,96
		<b>0,88</b>	1,96	3,01	3,01	3,01	3,01	3,01	3,01
		<b>1,00</b>	1,96	3,01	3,01	3,01	3,01	3,01	3,01
		<b>1,13</b>	1,96	3,01	3,01	3,01	3,01	3,01	3,01
		<b>1,25</b>	1,96	3,01	3,01	3,01	3,01	3,01	3,01
	$N_{R,k}$ [kN]	<b>0,40</b>	1,44	1,44	1,44	1,44	1,44	1,44	1,44
		<b>0,50</b>	2,15	2,15	2,15	2,15	2,15	2,15	2,15
		<b>0,55</b>	2,40	2,40	2,40	2,40	2,40	2,40	2,40
		<b>0,63</b>	2,78	2,78	2,78	2,78	2,78	2,78	2,78
		<b>0,75</b>	3,37	3,37	3,37	3,37	3,37	3,37	3,37
		<b>0,88</b>	4,10	4,10	4,10	4,10	4,10	4,10	4,10
		<b>1,00</b>	4,10	4,10	4,10	4,10	4,10	4,10	4,10
		<b>1,13</b>	4,10	4,10	4,10	4,10	4,10	4,10	4,10
		<b>1,25</b>	4,10	4,10	4,10	4,10	4,10	4,10	4,10



**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 PRO S15 5,5 X L, WASHER DIAMETER Ø 22,0 MM**

Materials		  QUALITY CONFIRMED
Screw	SS 1.4301 (A2) - conform EN3506	
Washer	SS 1.4301 (A2) - conform EN3506	
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 $\leq$ 6mm	



		$t_{NI}$ [mm]	$t_{II}$ [mm]						
			6,00	7,00	8,00	9,00	10,00	11,00	$\geq$ 12,00
	$V_{Rk}$ [kN]	0,40	1,03	1,03	1,03	1,03	1,03	1,03	1,03
		0,50	1,68	1,68	1,68	1,68	1,68	1,68	1,68
		0,55	1,74	1,74	1,74	1,74	1,74	1,74	1,74
		0,63	1,83	1,83	1,83	1,83	1,83	1,83	1,83
		0,75	1,96	1,96	1,96	1,96	1,96	1,96	1,96
		0,88	1,96	3,01	3,01	3,01	3,01	3,01	3,01
		1,00	1,96	3,01	3,01	3,01	3,01	3,01	3,01
		1,13	1,96	3,01	3,01	3,01	3,01	3,01	3,01
		1,25	1,96	3,01	3,01	3,01	3,01	3,01	3,01
	$N_{Rk}$ [kN]	0,40	1,66	1,66	1,66	1,66	1,66	1,66	1,66
		0,50	2,67	2,67	2,67	2,67	2,67	2,67	2,67
		0,55	2,86	2,86	2,86	2,86	2,86	2,86	2,86
		0,63	3,16	3,16	3,16	3,16	3,16	3,16	3,16
		0,75	3,61	3,61	3,61	3,61	3,61	3,61	3,61
		0,88	4,38	4,38	4,38	4,38	4,38	4,38	4,38
		1,00	4,38	4,38	4,38	4,38	4,38	4,38	4,38
		1,13	4,38	4,38	4,38	4,38	4,38	4,38	4,38
		1,25	4,38	4,38	4,38	4,38	4,38	4,38	4,38

**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  $\geq$  12 MM - BI-METAL A2 304**

