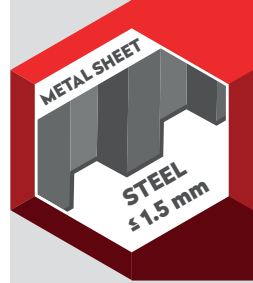
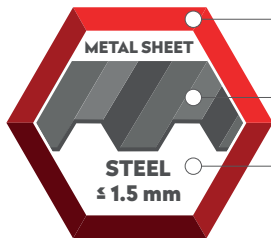




# SELF-DRILLING SCREW DP2



## APPLICATION



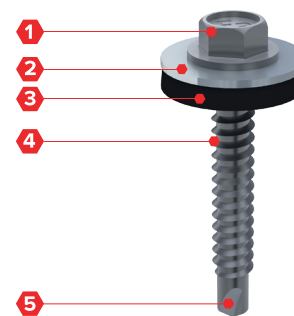
SS A2 304

Metal sheet Screw

Steel ≤ 1,5 mm

## SPECIFICATION

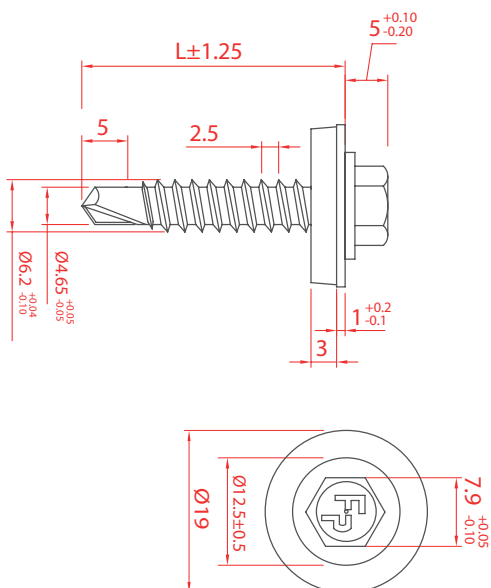
- 1 Head style 5/16" (8 mm)
- 2 Washer diameter standard 19 mm
- 3 SS EPDM bond seal
- 4 Thread for substructure steel to 1,5 mm
- 5 Drilling point 2 reduced



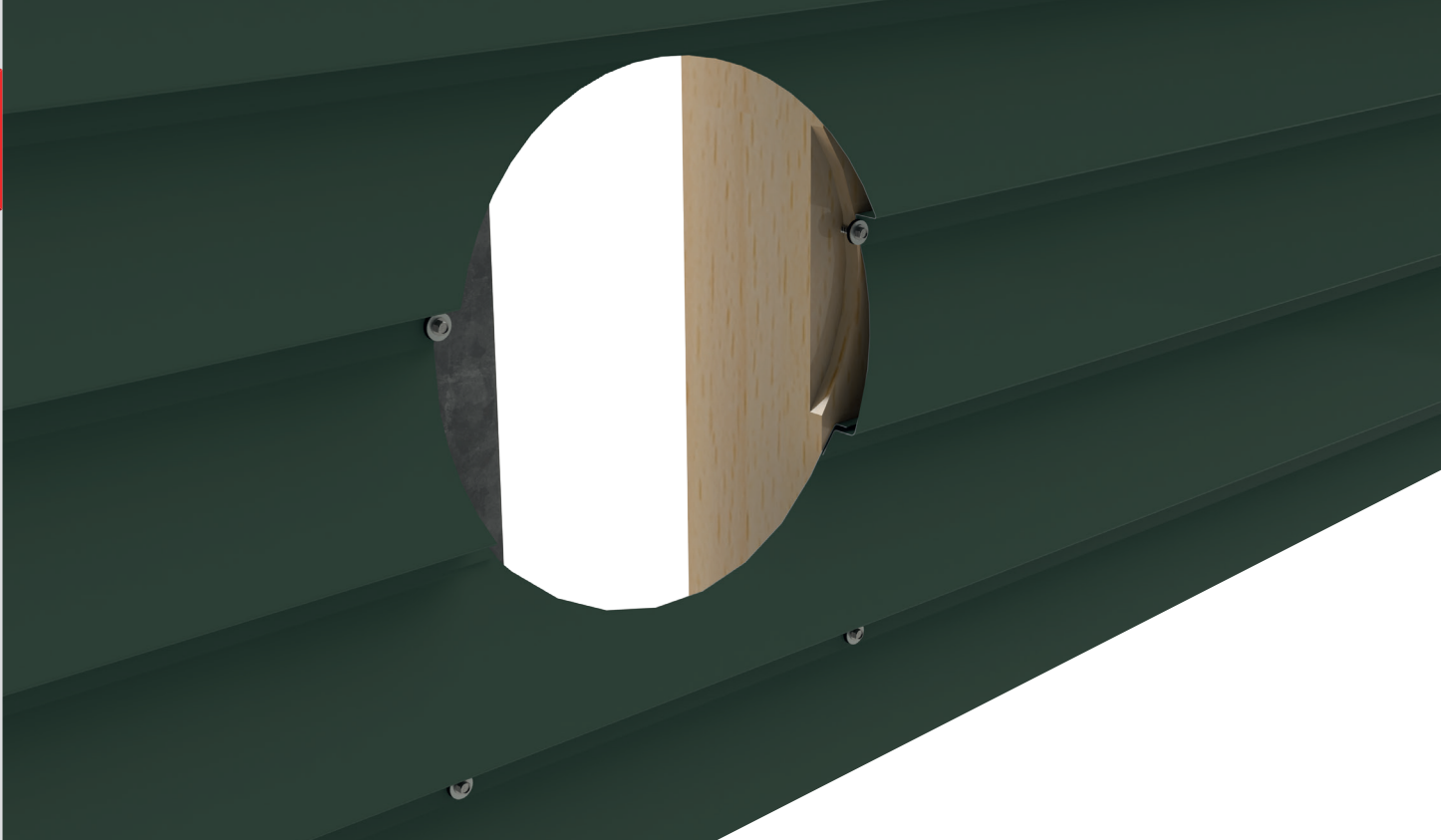
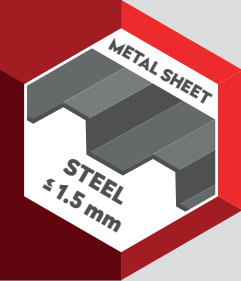
## OPTIONS

- 1 Powder coated in any desired RAL colour
- 2 Washer diameter 16 or 22 mm

## SECTION



METAL SHEETS - STEEL ≤ 1,5 MM - SS A2 304



METAL SHEETS - STEEL ≤ 1,5 MM- SS A2 304

## ORDER INFORMATION

Product	Size (L)	Packaging	Article code
Self-Drilling Screw 6,3 x 45 - DP2	45 mm	250 pcs/box	2002026304519



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

## CERTIFICATES

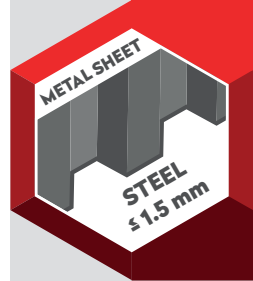
Deutsches  
Institut  
für  
Bautechnik



European  
Technical Approval  
ETA 17/0321




QUALITY  
CONFIRMED




**SELF-DRILLING SCREW 6,3 X L - DP2, WASHER DIAMETER Ø 16,0 MM**

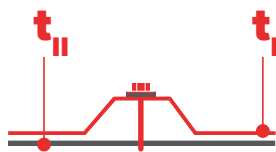
Materials	
<b>Screw</b>	Stainless steel 1.4301 (A2) – conform and ISO 3506
<b>Washer</b>	Stainless steel 1.4301 (A2) – conform and ISO 3506
<b>Material A (<math>t_I</math>)</b>	Steel quality S280GD, S320GD and S350GD - conform EN 10346
<b>Material B (<math>t_{II}</math>)</b>	Steel quality S235, S280GD, S320GD and S350GD - conform EN 10346
<b>Drilling capacity</b>	Steel ≤ 1,5 mm

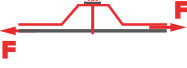
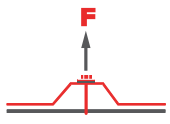


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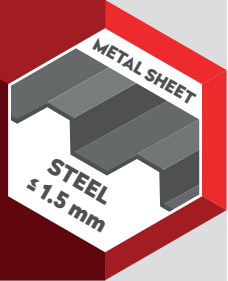
QUALITY  
CONFIRMED



		$t_{II}$ [mm]	$t_I$ [mm]									
			0,40	0,50	0,55	0,63	0,75	0,88	1,00	1,13	1,25	1,50
 <p style="writing-mode: vertical-rl; transform: rotate(180deg);"><math>V_{R,k}</math> [kN]</p>	<b>0,40</b>	0,66	0,66	0,66	0,66	0,66	0,66	0,66	0,66	0,66	0,66	0,66
	<b>0,50</b>	0,66	0,97	0,97	0,97	0,97	0,97	0,97	0,97	0,97	0,97	0,97
	<b>0,55</b>	0,66	0,97	1,16	1,16	1,16	1,16	1,16	1,16	1,16	1,16	1,16
	<b>0,63</b>	0,66	0,97	1,16	1,46	1,46	1,46	1,46	1,46	1,46	1,46	1,46
	<b>0,75</b>	0,66	0,97	1,16	1,46	1,91	1,91	1,91	1,91	1,91	1,91	1,91
	<b>0,88</b>	0,66	0,97	1,16	1,46	1,91	2,52	2,52	2,52	2,52	2,52	2,52
	<b>1,00</b>	0,66	0,97	1,16	1,46	1,91	2,52	3,09	3,09	3,09	3,09	3,09
	<b>1,13</b>	0,66	0,97	1,16	1,46	1,91	2,52	3,09	3,09	3,09	3,09	3,09
	<b>1,25</b>	0,66	0,97	1,16	1,46	1,91	2,52	3,09	3,09	3,09	3,09	3,09
 <p style="writing-mode: vertical-rl; transform: rotate(180deg);"><math>N_{R,k}</math> [kN]</p>	<b>0,40</b>	0,45	0,67	0,73	0,84	0,99	1,15	1,29	1,31	1,31	1,31	1,31
	<b>0,50</b>	0,45	0,67	0,73	0,84	0,99	1,15	1,29	1,50	1,69	1,97	1,97
	<b>0,55</b>	0,45	0,67	0,73	0,84	0,99	1,15	1,29	1,50	1,69	2,08	2,08
	<b>0,63</b>	0,45	0,67	0,73	0,84	0,99	1,15	1,29	1,50	1,69	2,08	2,08
	<b>0,75</b>	0,45	0,67	0,73	0,84	0,99	1,15	1,29	1,50	1,69	2,08	2,08
	<b>0,88</b>	0,45	0,67	0,73	0,84	0,99	1,15	1,29	1,50	1,69	2,08	2,08
	<b>1,00</b>	0,45	0,67	0,73	0,84	0,99	1,15	1,29	1,50	1,69	2,08	2,08
	<b>1,13</b>	0,45	0,67	0,73	0,84	0,99	1,15	1,29	1,50	1,69	2,08	2,08
	<b>1,25</b>	0,45	0,67	0,73	0,84	0,99	1,15	1,29	1,50	1,69	2,08	2,08



**Note**

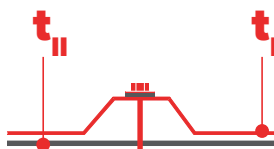
- Above mentioned values are characteristic values.
- To determine the design value we advise to apply a material factor of  $\gamma_m = 1,33$ .
- You can find further information and calculation examples on page 10.1.7.





**FP SELF-DRILLING SCREW DP2**

**SELF-DRILLING SCREW 6,3 X L - DP2, WASHER DIAMETER Ø 19,0 MM**

Materials		
<b>Screw</b>	Stainless steel 1.4301 (A2) – conform and ISO 3506	 European Technical Approval ETA 17/0321
<b>Washer</b>	Stainless steel 1.4301 (A2) – conform and ISO 3506	
<b>Material A (<math>t_I</math>)</b>	Steel quality S280GD, S320GD and S350GD - conform EN 10346	 QUALITY CONFIRMED
<b>Material B (<math>t_{II}</math>)</b>	Steel quality S235, S280GD, S320GD and S350GD - conform EN 10346	
<b>Drilling capacity</b>	Steel ≤ 1,5 mm	

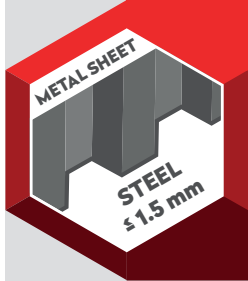


		$t_{NI}$ [mm]	$t_{II}$ [mm]								
			0,40	0,50	0,55	0,63	0,75	0,88	1,00	1,13	1,25
 $V_{R,k}$ [kN]	<b>0,40</b>	0,66	0,66	0,66	0,66	0,66	0,66	0,66	0,66	0,66	0,66
	<b>0,50</b>	0,66	0,97	0,97	0,97	0,97	0,97	0,97	0,97	0,97	0,97
	<b>0,55</b>	0,66	0,97	1,16	1,16	1,16	1,16	1,16	1,16	1,16	1,16
	<b>0,63</b>	0,66	0,97	1,16	1,46	1,46	1,46	1,46	1,46	1,46	1,46
	<b>0,75</b>	0,66	0,97	1,16	1,46	1,91	1,91	1,91	1,91	1,91	1,91
	<b>0,88</b>	0,66	0,97	1,16	1,46	1,91	2,52	2,52	2,52	2,52	2,52
	<b>1,00</b>	0,66	0,97	1,16	1,46	1,91	2,52	3,09	3,09	3,09	3,09
	<b>1,13</b>	0,66	0,97	1,16	1,46	1,91	2,52	3,09	3,09	3,09	3,09
	<b>1,25</b>	0,66	0,97	1,16	1,46	1,91	2,52	3,09	3,09	3,09	3,09
 $N_{R,k}$ [kN]	<b>0,40</b>	0,45	0,67	0,73	0,84	0,99	1,15	1,29	1,50	1,69	1,70
	<b>0,50</b>	0,45	0,67	0,73	0,84	0,99	1,15	1,29	1,50	1,69	2,05
	<b>0,55</b>	0,45	0,67	0,73	0,84	0,99	1,15	1,29	1,50	1,69	2,08
	<b>0,63</b>	0,45	0,67	0,73	0,84	0,99	1,15	1,29	1,50	1,69	2,08
	<b>0,75</b>	0,45	0,67	0,73	0,84	0,99	1,15	1,29	1,50	1,69	2,08
	<b>0,88</b>	0,45	0,67	0,73	0,84	0,99	1,15	1,29	1,50	1,69	2,08
	<b>1,00</b>	0,45	0,67	0,73	0,84	0,99	1,15	1,29	1,50	1,69	2,08
	<b>1,13</b>	0,45	0,67	0,73	0,84	0,99	1,15	1,29	1,50	1,69	2,08
	<b>1,25</b>	0,45	0,67	0,73	0,84	0,99	1,15	1,29	1,50	1,69	2,08

**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 ≤ 1,5 MM- SS A2 304**




**SELF-DRILLING SCREW 6,3 X L - DP2, WASHER DIAMETER Ø 22,0 MM**

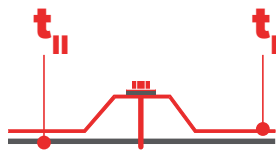
Materials	
<b>Screw</b>	Stainless steel 1.4301 (A2) – conform and ISO 3506
<b>Washer</b>	Stainless steel 1.4301 (A2) – conform and ISO 3506
<b>Material A (<math>t_I</math>)</b>	Steel quality S280GD, S320GD and S350GD - conform EN 10346
<b>Material B (<math>t_{II}</math>)</b>	Steel quality S235, S280GD, S320GD and S350GD - conform EN 10346
<b>Drilling capacity</b>	Steel ≤ 1,5 mm

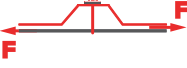
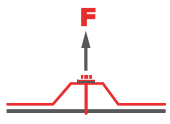


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ETA 17/0321



QUALITY  
CONFIRMED



		$t_{II}$ [mm]	$t_I$ [mm]									
			0,40	0,50	0,55	0,63	0,75	0,88	1,00	1,13	1,25	1,50
 <p style="writing-mode: vertical-rl; transform: rotate(180deg);"><math>V_{R,k}</math> [kN]</p>	<b>0,40</b>	0,66	0,66	0,66	0,66	0,66	0,66	0,66	0,66	0,66	0,66	0,66
	<b>0,50</b>	0,66	0,97	0,97	0,97	0,97	0,97	0,97	0,97	0,97	0,97	0,97
	<b>0,55</b>	0,66	0,97	1,16	1,16	1,16	1,16	1,16	1,16	1,16	1,16	1,16
	<b>0,63</b>	0,66	0,97	1,16	1,46	1,46	1,46	1,46	1,46	1,46	1,46	1,46
	<b>0,75</b>	0,66	0,97	1,16	1,46	1,91	1,91	1,91	1,91	1,91	1,91	1,91
	<b>0,88</b>	0,66	0,97	1,16	1,46	1,91	2,52	2,52	2,52	2,52	2,52	2,52
	<b>1,00</b>	0,66	0,97	1,16	1,46	1,91	2,52	3,09	3,09	3,09	3,09	3,09
	<b>1,13</b>	0,66	0,97	1,16	1,46	1,91	2,52	3,09	3,09	3,09	3,09	3,09
	<b>1,25</b>	0,66	0,97	1,16	1,46	1,91	2,52	3,09	3,09	3,09	3,09	3,09
 <p style="writing-mode: vertical-rl; transform: rotate(180deg);"><math>N_{R,k}</math> [kN]</p>	<b>0,40</b>	0,45	0,67	0,73	0,84	0,99	1,15	1,29	1,50	1,69	1,91	
	<b>0,50</b>	0,45	0,67	0,73	0,84	0,99	1,15	1,29	1,50	1,69	2,08	
	<b>0,55</b>	0,45	0,67	0,73	0,84	0,99	1,15	1,29	1,50	1,69	2,08	
	<b>0,63</b>	0,45	0,67	0,73	0,84	0,99	1,15	1,29	1,50	1,69	2,08	
	<b>0,75</b>	0,45	0,67	0,73	0,84	0,99	1,15	1,29	1,50	1,69	2,08	
	<b>0,88</b>	0,45	0,67	0,73	0,84	0,99	1,15	1,29	1,50	1,69	2,08	
	<b>1,00</b>	0,45	0,67	0,73	0,84	0,99	1,15	1,29	1,50	1,69	2,08	
	<b>1,13</b>	0,45	0,67	0,73	0,84	0,99	1,15	1,29	1,50	1,69	2,08	
	<b>1,25</b>	0,45	0,67	0,73	0,84	0,99	1,15	1,29	1,50	1,69	2,08	

**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.

