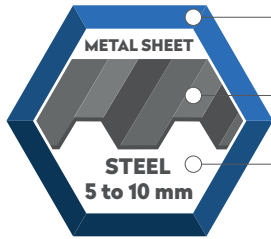




# SELF-DRILLING SCREW DP5

## APPLICATION



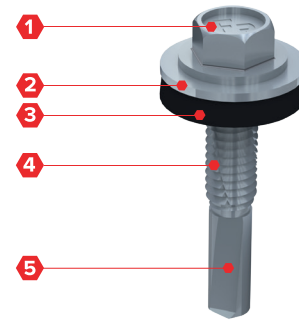
Galvanised

Metal sheet Screw

Steel 5 to 10 mm

## SPECIFICATION

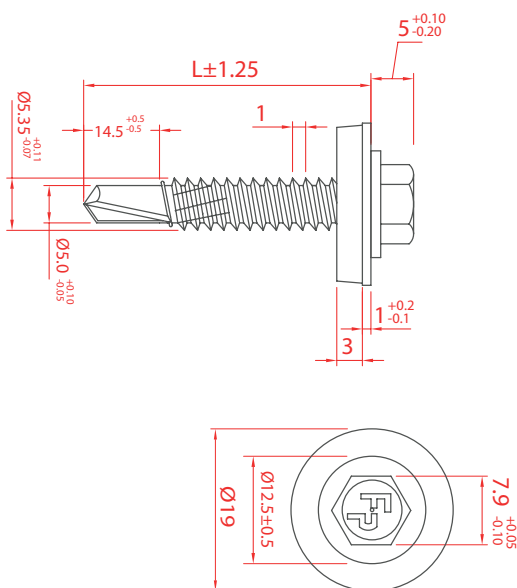
- 1 Head style 5/16" (8 mm)
- 2 Washer diameter standard 16 mm
- 3 Galvanised EPDM bond seal
- 4 Thread for substructure steel 5 to 10 mm
- 5 Drilling point 5



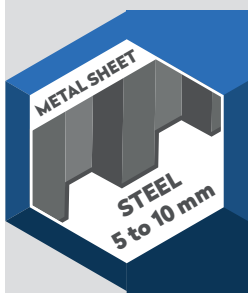
## OPTIONS

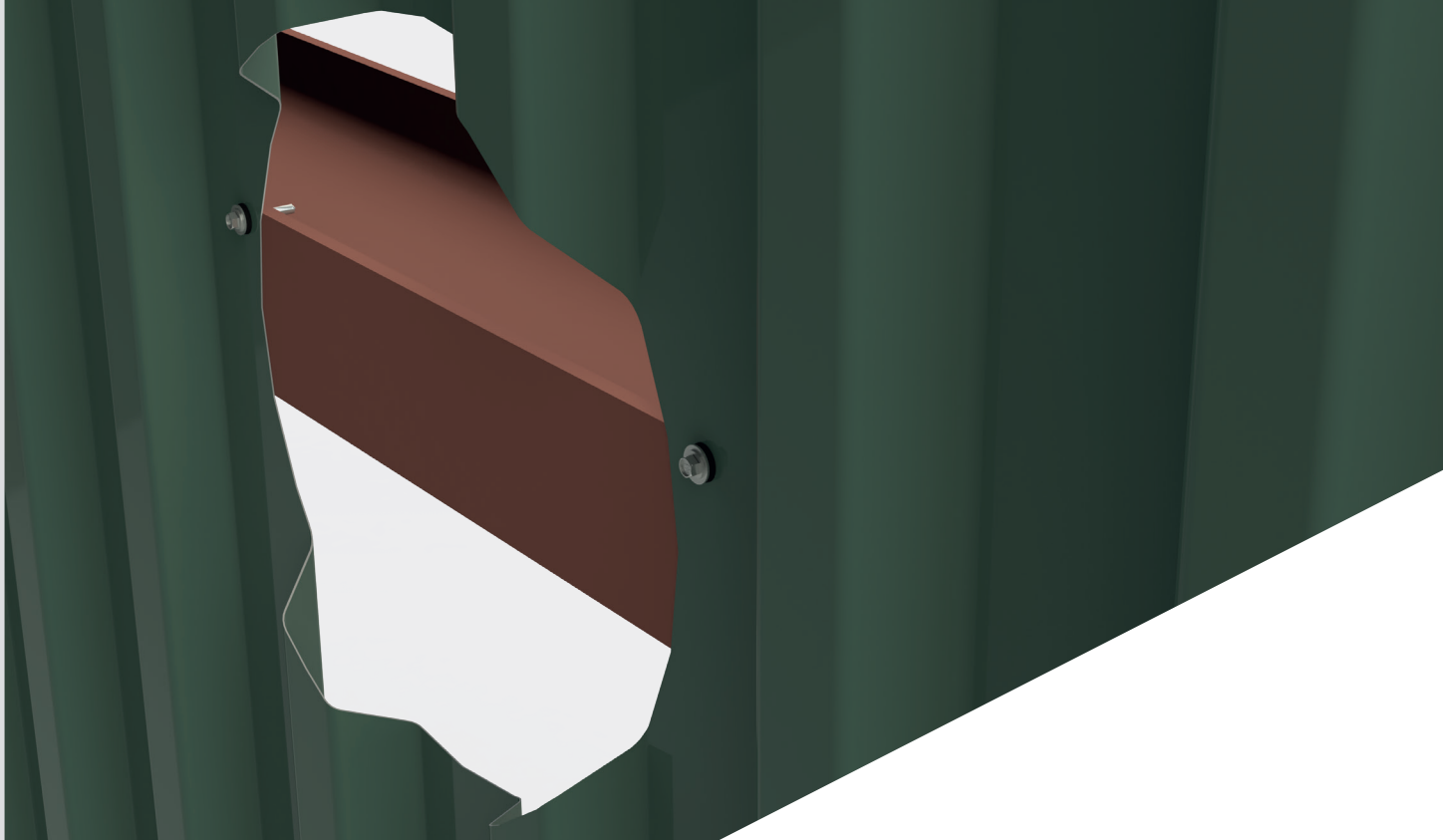
- 1 Powder coated in any desired RAL colour
- 2 Washer diameter 19 or 22 mm

## SECTION



METAL SHEETS - STEEL 5 TO 10 MM - GALVANISED





## ORDER INFORMATION

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Product	Size (L)	Packaging	Article code
Self-Drilling Screw 5,5 x 40 - DP5	40 mm	250 pcs/box	2004055504016



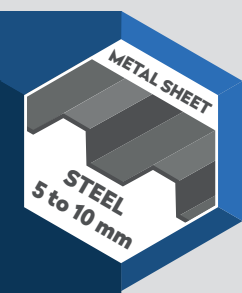
More information on materials, application, specific properties and certification can be found in chapter 10.

## CERTIFICATES

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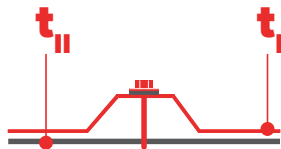
QUALITY  
CONFIRMED





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

Materials	
Screw	Galvanised steel
Washer	Galvanised steel
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 $\leq$ 10 mm

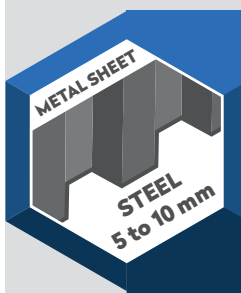

  




		$t_{NI}$ [mm]	$t_{II}$ [mm]								
			0,75	0,88	1,00	1,13	1,25	1,50	2,00	3,00	4,00
 $V_{R,k}$ [kN]	0,40	1,03	1,03	1,03	1,03	1,03	1,03	1,03	1,03	1,03	1,03
	0,50	1,68	1,68	1,68	1,68	1,68	1,68	1,68	1,68	1,68	1,68
	0,55	1,74	1,74	1,74	1,74	1,74	1,74	1,74	1,74	1,74	1,74
	0,63	1,83	1,83	1,83	1,83	1,83	1,83	1,83	1,83	1,83	1,83
	0,75	1,96	1,96	1,96	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	3,01	3,01	3,01
	1,00	1,96	3,01	3,01	3,01	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	3,01	3,01	3,01
	1,25	1,96	3,01	3,01	3,01	3,01	3,01	3,01	3,01	3,01	3,01
 $N_{R,k}$ [kN]	0,40	0,59	0,79	0,97	1,17	1,35	1,35	1,35	1,35	1,35	1,35
	0,50	0,59	0,79	0,97	1,17	1,35	1,73	1,83	1,83	1,83	1,83
	0,55	0,59	0,79	0,97	1,17	1,35	1,73	2,07	2,07	2,07	2,07
	0,63	0,59	0,79	0,97	1,17	1,35	1,73	2,46	2,46	2,46	2,46
	0,75	0,59	0,79	0,97	1,17	1,35	1,73	2,48	3,05	3,05	3,05
	0,88	0,59	0,79	0,97	1,17	1,35	1,73	2,48	3,68	3,68	3,68
	1,00	0,59	0,79	0,97	1,17	1,35	1,73	2,48	3,68	3,68	3,68
	1,13	0,59	0,79	0,97	1,17	1,35	1,73	2,48	3,68	3,68	3,68
	1,25	0,59	0,79	0,97	1,17	1,35	1,73	2,48	3,68	3,68	3,68



**Note**

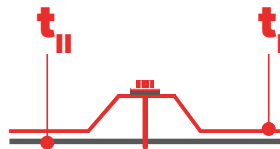
1. Above mentioned values are characteristic values.
2. To determine the design value we advise to apply a material factor of  $\gamma_m = 1,33$ .
3. You can find further information and calculation examples on page 10.1.7.

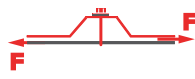
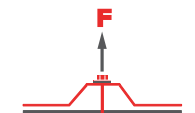


**SELF-DRILLING SCREW 5,5 X L - DP5, WASHER DIAMETER Ø 19,0 MM**

Materials	
<b>Screw</b>	Galvanised steel
<b>Washer</b>	Galvanised steel
<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 $\leq$ 10 mm

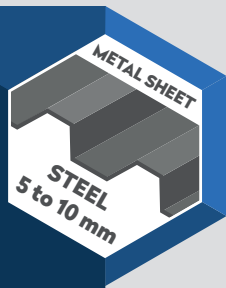

  




		$t_{NI}$ [mm]	$t_{II}$ [mm]								
			0,75	0,88	1,00	1,13	1,25	1,50	2,00	3,00	4,00
 $V_{R,k}$ [kN]	<b>0,40</b>	1,03	1,03	1,03	1,03	1,03	1,03	1,03	1,03	1,03	1,03
	<b>0,50</b>	1,68	1,68	1,68	1,68	1,68	1,68	1,68	1,68	1,68	1,68
	<b>0,55</b>	1,74	1,74	1,74	1,74	1,74	1,74	1,74	1,74	1,74	1,74
	<b>0,63</b>	1,83	1,83	1,83	1,83	1,83	1,83	1,83	1,83	1,83	1,83
	<b>0,75</b>	1,96	1,96	1,96	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	3,01	3,01	3,01
	<b>1,00</b>	1,96	3,01	3,01	3,01	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	3,01	3,01	3,01
	<b>1,25</b>	1,96	3,01	3,01	3,01	3,01	3,01	3,01	3,01	3,01	3,01
 $N_{R,k}$ [kN]	<b>0,40</b>	0,59	0,79	0,97	1,17	1,35	1,44	1,44	1,44	1,44	
	<b>0,50</b>	0,59	0,79	0,97	1,17	1,35	1,73	2,15	2,15	2,15	
	<b>0,55</b>	0,59	0,79	0,97	1,17	1,35	1,73	2,40	2,40	2,40	
	<b>0,63</b>	0,59	0,79	0,97	1,17	1,35	1,73	2,48	2,78	2,78	
	<b>0,75</b>	0,59	0,79	0,97	1,17	1,35	1,73	2,48	3,37	3,37	
	<b>0,88</b>	0,59	0,79	0,97	1,17	1,35	1,73	2,48	4,10	4,10	
	<b>1,00</b>	0,59	0,79	0,97	1,17	1,35	1,73	2,48	4,10	4,10	
	<b>1,13</b>	0,59	0,79	0,97	1,17	1,35	1,73	2,48	4,10	4,10	
	<b>1,25</b>	0,59	0,79	0,97	1,17	1,35	1,73	2,48	4,10	4,10	



**Note**

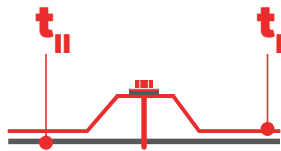
1. Above mentioned values are characteristic values.
2. To determine the design value we advise to apply a material factor of  $\gamma_m = 1,33$ .
3. You can find further information and calculation examples on page 10.1.7.





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

Materials	
Screw	Galvanised steel
Washer	Galvanised steel
Material A ( $t_1$ )	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 $\leq$ 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
 $V_{R,k}$ [kN]	0,40	1,03	1,03	1,03	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	1,68	1,68	1,68
	0,55	1,74	1,74	1,74	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	1,83	1,83	1,83
	0,75	1,96	1,96	1,96	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	3,01	3,01	3,01
	1,00	1,96	3,01	3,01	3,01	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	3,01	3,01	3,01
	1,25	1,96	3,01	3,01	3,01	3,01	3,01	3,01	3,01	3,01	3,01
 $N_{R,k}$ [kN]	0,40	0,59	0,79	0,97	1,17	1,35	1,66	1,66	1,66	1,66	1,66
	0,50	0,59	0,79	0,97	1,17	1,35	1,73	2,48	2,67	2,67	2,67
	0,55	0,59	0,79	0,97	1,17	1,35	1,73	2,48	2,86	2,86	2,86
	0,63	0,59	0,79	0,97	1,17	1,35	1,73	2,48	3,16	3,16	3,16
	0,75	0,59	0,79	0,97	1,17	1,35	1,73	2,48	3,61	3,61	3,61
	0,88	0,59	0,79	0,97	1,17	1,35	1,73	2,48	4,38	4,38	4,38
	1,00	0,59	0,79	0,97	1,17	1,35	1,73	2,48	4,38	4,38	4,38
	1,13	0,59	0,79	0,97	1,17	1,35	1,73	2,48	4,38	4,38	4,38
	1,25	0,59	0,79	0,97	1,17	1,35	1,73	2,48	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.

