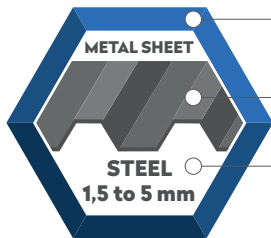




# SELF-DRILLING SCREW DP3

## APPLICATION



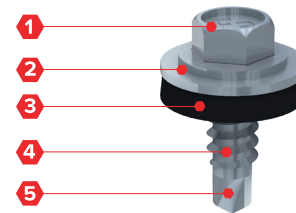
Galvanised

Metal sheet Screw

Steel 1,5 to 5 mm

## SPECIFICATION

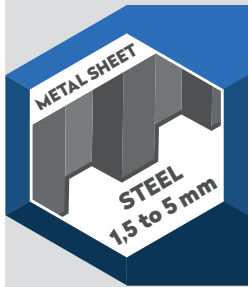
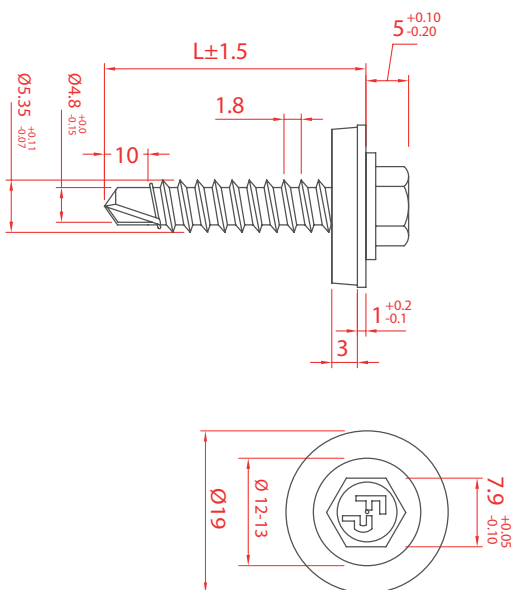
- 1 Head style 5/16" (8 mm)
- 2 Washer diameter standard 16 mm
- 3 Galvanised EPDM bond seal
- 4 Thread for substructure steel 1,5 to 5 mm
- 5 Drilling point 3



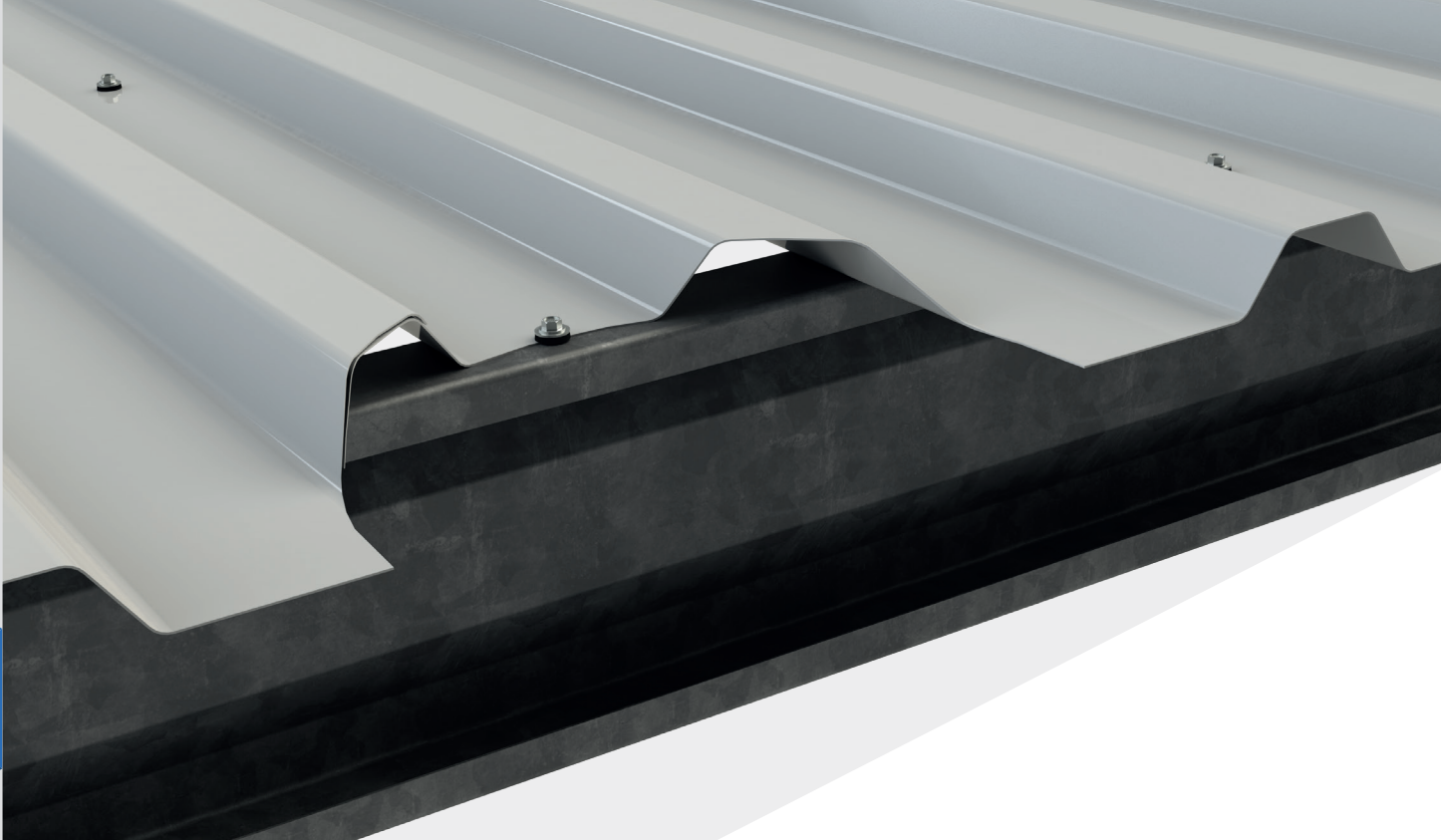
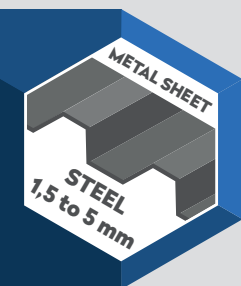
## OPTIONS

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

## SECTION



METAL SHEETS - STEEL 1,5 TO 5 MM - GALVANISED



**METAL SHEETS - STEEL 1,5 TO 5 MM - GALVANISED**

## ORDER INFORMATION

Product	Size (L)	Packaging	Article code
Self-Drilling Screw 5,5 x 25 - DP3	25 mm	250 pcs/box	2004035502516
Self-Drilling Screw 5,5 x 38 - DP3	38 mm	250 pcs/box	2004035503816



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



## CERTIFICATES

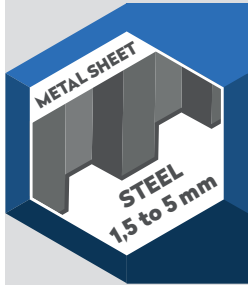
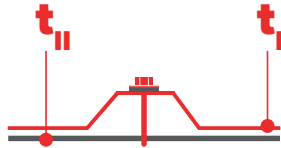


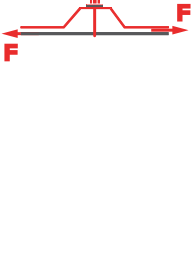
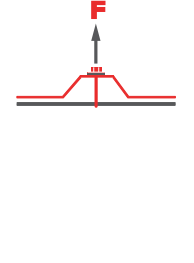
QUALITY  
CONFIRMED

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

Materials	
Screw	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 $\leq$ 5 mm





		$t_{NI}$ [mm]	$t_{II}$ [mm]						
			0,75	1,00	1,50	2,00	3,00	4,00	6,00
	$V_{R,k}$ [kN]	0,40	1,12	1,12	1,12	1,12	1,12	1,12	1,12
		0,50	1,61	1,61	1,61	1,61	1,61	1,61	1,61
		0,55	1,69	1,69	1,69	1,69	1,69	1,69	1,69
		0,63	1,81	1,81	1,81	1,81	1,81	1,81	1,81
		0,75	1,99	1,99	1,99	1,99	1,99	1,99	1,99
		0,88	1,99	3,17	3,17	3,17	3,17	3,17	3,17
		1,00	3,17	3,17	3,17	3,17	3,17	3,17	3,17
		1,13	3,17	3,17	3,17	3,17	3,17	3,17	3,17
		1,25	3,17	3,17	3,17	3,17	3,17	3,17	3,17
	$N_{R,k}$ [kN]	0,40	0,68	0,94	1,48	1,48	1,48	1,48	1,48
		0,50	0,68	0,94	1,78	1,78	1,78	1,78	1,78
		0,55	0,68	0,94	2,01	2,01	2,01	2,01	2,01
		0,63	0,68	0,94	2,06	2,39	2,39	2,39	2,39
		0,75	0,68	0,94	2,06	2,64	2,96	2,96	2,96
		0,88	0,68	0,94	2,06	2,64	2,96	2,96	2,96
		1,00	0,68	0,94	2,06	2,64	2,96	2,96	2,96
		1,13	0,68	0,94	2,06	2,64	2,96	2,96	2,96
		1,25	0,68	0,94	2,06	2,64	2,96	2,96	2,96

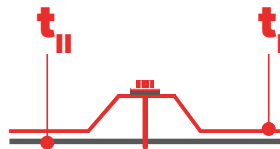
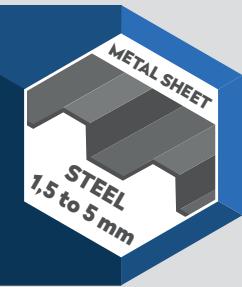
**Note**

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.

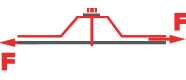
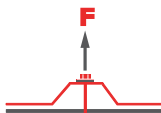
**SELF-DRILLING SCREW 5,5 X L - DP3, WASHER DIAMETER Ø 19,0 MM**

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 $\leq$ 5 mm



**METAL SHEETS - STEEL 1,5 TO 5 MM - GALVANISED**



		$t_{NI}$ [mm]	$t_{II}$ [mm]						
			0,75	1,00	1,50	2,00	3,00	4,00	6,00
 $V_{R,k}$ [kN]	<b>0,40</b>		1,12	1,12	1,12	1,12	1,12	1,12	1,12
	<b>0,50</b>		1,61	1,61	1,61	1,61	1,61	1,61	1,61
	<b>0,55</b>		1,69	1,69	1,69	1,69	1,69	1,69	1,69
	<b>0,63</b>		1,81	1,81	1,81	1,81	1,81	1,81	1,81
	<b>0,75</b>		1,99	1,99	1,99	1,99	1,99	1,99	1,99
	<b>0,88</b>		1,99	3,17	3,17	3,17	3,17	3,17	3,17
	<b>1,00</b>		3,17	3,17	3,17	3,17	3,17	3,17	3,17
	<b>1,13</b>		3,17	3,17	3,17	3,17	3,17	3,17	3,17
	<b>1,25</b>		3,17	3,17	3,17	3,17	3,17	3,17	3,17
 $N_{R,k}$ [kN]	<b>0,40</b>		0,68	0,94	1,61	1,61	1,61	1,61	1,61
	<b>0,50</b>		0,68	0,94	2,06	2,37	2,37	2,37	2,37
	<b>0,55</b>		0,68	0,94	2,06	2,59	2,59	2,59	2,59
	<b>0,63</b>		0,68	0,94	2,06	2,64	2,93	2,93	2,93
	<b>0,75</b>		0,68	0,94	2,06	2,64	3,44	3,44	3,44
	<b>0,88</b>		0,68	0,94	2,06	2,64	3,44	3,44	3,44
	<b>1,00</b>		0,68	0,94	2,06	2,64	3,44	3,44	3,44
	<b>1,13</b>		0,68	0,94	2,06	2,64	3,44	3,44	3,44
	<b>1,25</b>		0,68	0,94	2,06	2,64	3,44	3,44	3,44

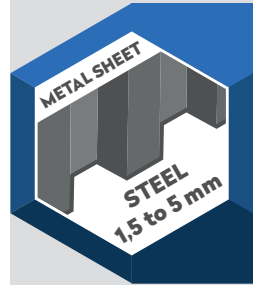
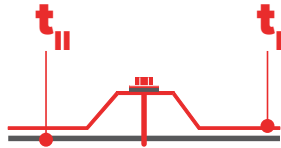
**Note**

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 - DP3, WASHER DIAMETER Ø 22,0 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 $\leq$ 5 mm



		$t_{NI}$ [mm]	$t_{II}$ [mm]						
			0,75	1,00	1,50	2,00	3,00	4,00	6,00
	$V_{R,k}$ [kN]	0,40	1,12	1,12	1,12	1,12	1,12	1,12	1,12
		0,50	1,61	1,61	1,61	1,61	1,61	1,61	1,61
		0,55	1,69	1,69	1,69	1,69	1,69	1,69	1,69
		0,63	1,81	1,81	1,81	1,81	1,81	1,81	1,81
		0,75	1,99	1,99	1,99	1,99	1,99	1,99	1,99
		0,88	1,99	3,17	3,17	3,17	3,17	3,17	3,17
		1,00	3,17	3,17	3,17	3,17	3,17	3,17	3,17
		1,13	3,17	3,17	3,17	3,17	3,17	3,17	3,17
		1,25	3,17	3,17	3,17	3,17	3,17	3,17	3,17
	$N_{R,k}$ [kN]	0,40	0,68	0,94	1,81	1,81	1,81	1,81	1,81
		0,50	0,68	0,94	2,06	2,47	2,47	2,47	2,47
		0,55	0,68	0,94	2,06	2,64	2,79	2,79	2,79
		0,63	0,68	0,94	2,06	2,64	3,31	3,31	3,31
		0,75	0,68	0,94	2,06	2,64	4,09	4,09	4,09
		0,88	0,68	0,94	2,06	2,64	4,09	4,09	4,09
		1,00	0,68	0,94	2,06	2,64	4,09	4,09	4,09
		1,13	0,68	0,94	2,06	2,64	4,09	4,09	4,09
		1,25	0,68	0,94	2,06	2,64	4,09	4,09	4,09

**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 TO 5 MM - GALVANISED**

