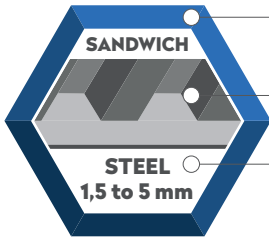




SANDWICH PANEL SCREW DP3

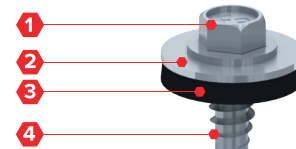
APPLICATION



- Galvanised
- Sandwich Panels
- Steel 1,5 to 5 mm

SPECIFICATION

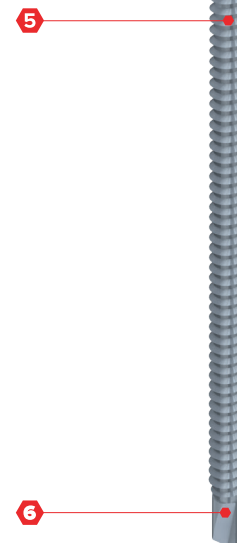
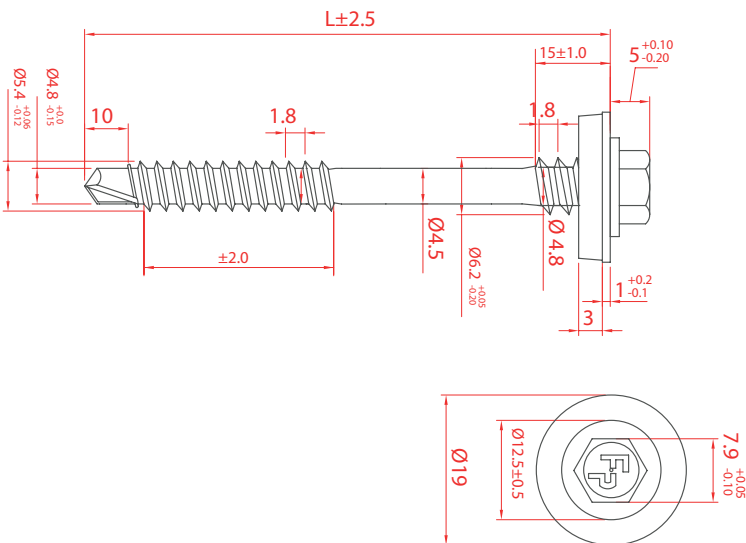
- 1 Head style 5/16" (8 mm)
- 2 Washer diameter standard 19 mm
- 3 Galvanised EPDM bond seal
- 4 Support thread
- 5 Thread for substructure steel 1,5 to 5 mm
- 6 Drilling point 3



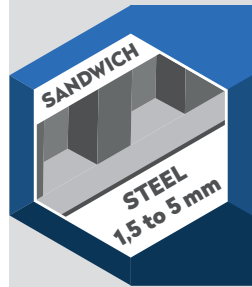
OPTIONS

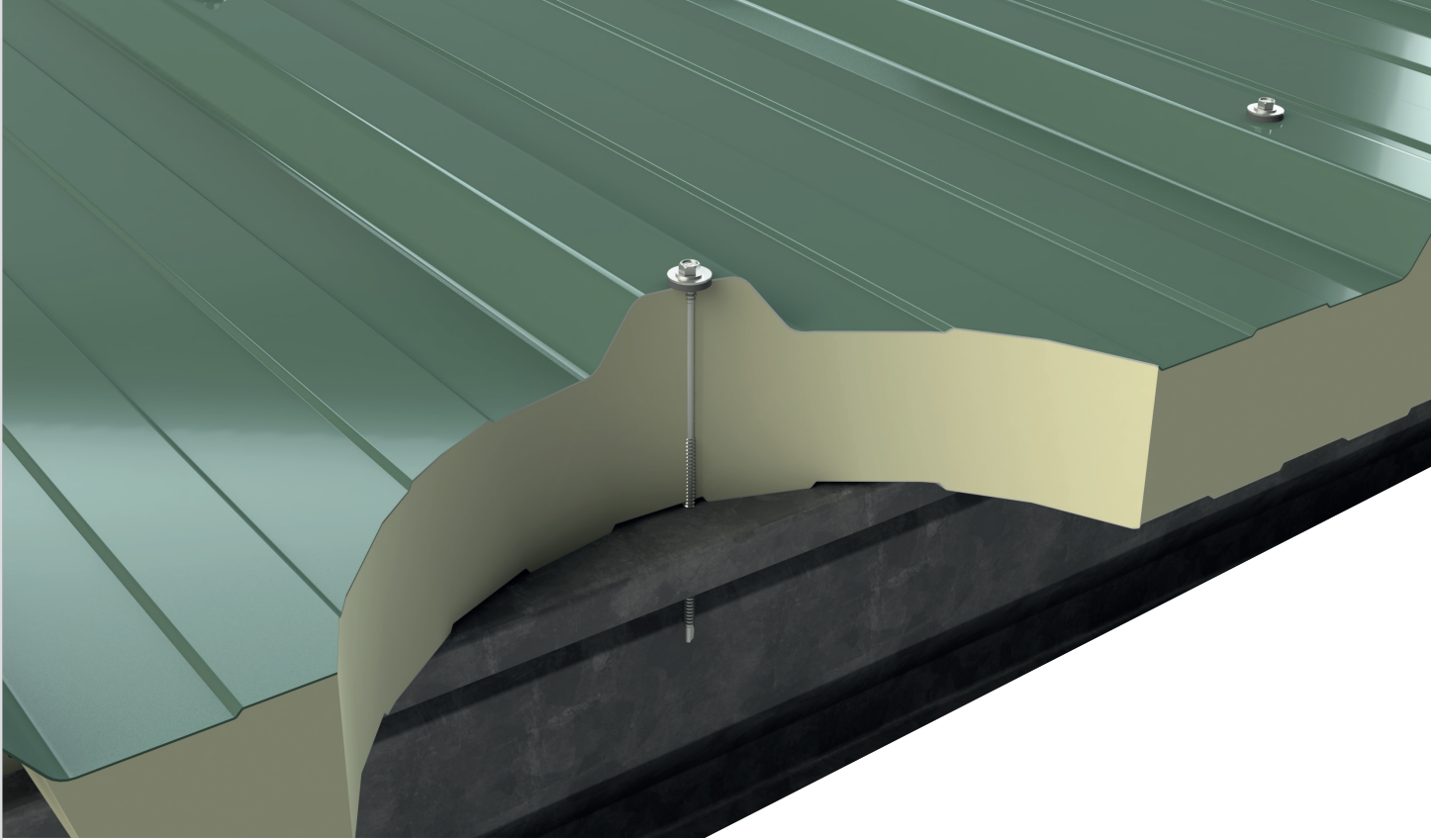
- 1 Powder coated in any desired RAL colour
- 2 Washer diameter 16 or 22 mm

SECTION



SANDWICH PANELS - STEEL 1,5 TO 5 MM - GALVANISED





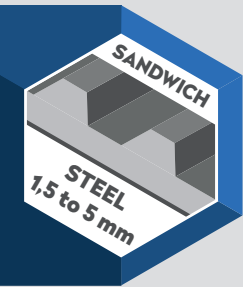
APPLICATION

Using the table below you can easily determine the sufficient screw length.

Size	Insulation thickness (mm)													Article code	
	20	40	60	80	100	120	140	160	180	200	220	240	260		280
5,5/6,3 x 65 mm		20 - 46 mm													1004035506516
5,5/6,3 x 82 mm			46 - 63 mm												1004035508216
5,5/6,3 x 98 mm				63 - 79 mm											1004035509816
5,5/6,3 x 115 mm					79 - 96 mm										1004035511516
5,5/6,3 x 135 mm						96 - 116 mm									1004035513516
5,5/6,3 x 150 mm							116 - 131 mm								1004035515016
5,5/6,3 x 175 mm								131 - 156 mm							1004035517516
5,5/6,3 x 190 mm									156 - 171 mm						1004035519016
5,5/6,3 x 210 mm										171 - 191 mm					1004035521016

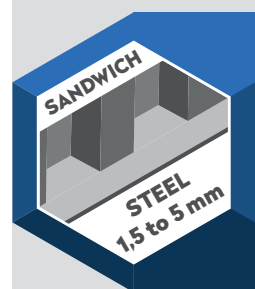


More information on materials, application, specific properties and certification can be found in chapter 10.





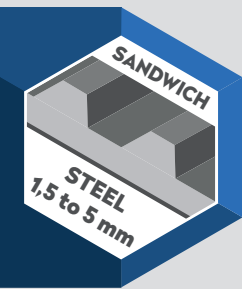
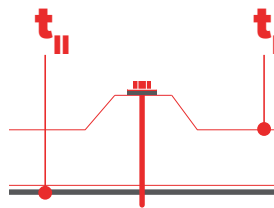
ORDER INFORMATION

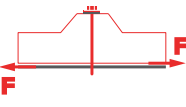
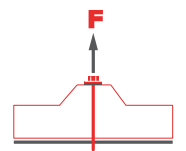
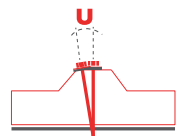
Product	Size (L)	Packaging	Article code
Sandwich Panel Screw 5,5/6,3 x 65 – DP3	65 mm	100 pcs/box	1004035506516
Sandwich Panel Screw 5,5/6,3 x 82 – DP3	82 mm	100 pcs/box	1004035508216
Sandwich Panel Screw 5,5/6,3 x 98 – DP3	98 mm	100 pcs/box	1004035509816
Sandwich Panel Screw 5,5/6,3 x 115 – DP3	115 mm	100 pcs/box	1004035511516
Sandwich Panel Screw 5,5/6,3 x 135 – DP3	135 mm	100 pcs/box	1004035513516
Sandwich Panel Screw 5,5/6,3 x 150 – DP3	150 mm	100 pcs/box	1004035515016
Sandwich Panel Screw 5,5/6,3 x 175 – DP3	175 mm	100 pcs/box	1004035517516
Sandwich Panel Screw 5,5/6,3 x 190 – DP3	190 mm	100 pcs/box	1004035519016
Sandwich Panel Screw 5,5/6,3 x 210 – DP3	210 mm	100 pcs/box	1004035521016

SANDWICH PANELS - STEEL 1,5 TO 5 MM - GALVANISED**CERTIFICATES**QUALITY
CONFIRMED

SANDWICH PANEL SCREW 5,5/6,3 X L – DP3, WASHER DIAMETER Ø 16,0 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 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	1,55	1,55	1,55	1,55	1,55	1,55	1,55	
	0,50	2,46	2,46	2,46	2,46	2,46	2,46	2,46	
	0,55	2,53	2,53	2,53	2,53	2,53	2,53	2,53	
	0,63	2,64	2,64	2,64	2,64	2,64	2,64	2,64	
	0,75	2,80	2,80	2,80	2,80	2,80	2,80	2,80	
	0,88	2,80	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	1,33	1,33	1,33	1,33	1,33	
	0,50	0,68	0,94	1,86	1,86	1,86	1,86	1,86	
	0,55	0,68	0,94	2,06	2,06	2,06	2,06	2,06	
	0,63	0,68	0,94	2,06	2,37	2,37	2,37	2,37	
	0,75	0,68	0,94	2,06	2,64	2,85	2,85	2,85	
	0,88	0,68	0,94	2,06	2,64	2,85	2,85	2,85	
	1,00	0,68	0,94	2,06	2,64	2,85	2,85	2,85	
	1,13	0,68	0,94	2,06	2,64	2,85	2,85	2,85	
	1,25	0,68	0,94	2,06	2,64	2,85	2,85	2,85	
 u [mm]	40	6,00	3,00	3,00	3,00	3,00	2,00	2,00	
	50	7,50	3,50	3,50	3,50	3,50	2,50	2,50	
	60	9,00	4,50	4,50	4,50	4,50	3,00	3,00	
	80	12,00	6,00	6,00	6,00	6,00	4,00	4,00	
	100	15,00	7,50	7,50	7,50	7,50	5,00	5,00	
	120	18,00	9,00	9,00	9,00	9,00	6,00	6,00	
	≥ 160	24,00	12,00	12,00	12,00	12,00	8,00	8,00	


Note

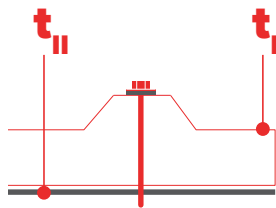
1. Above mentioned values are characteristic values
2. To determine the design value we advise to apply a material factor of $\gamma_m = 1,33$.
3. You can find further information and calculation examples on page 10.1.7

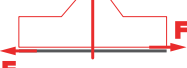
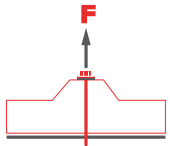
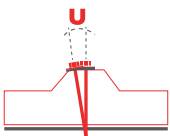
SANDWICH PANEL SCREW 5,5/6,3 X L - DP3, WASHER DIAMETER Ø 19,0 MM

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 ≤ 5 mm





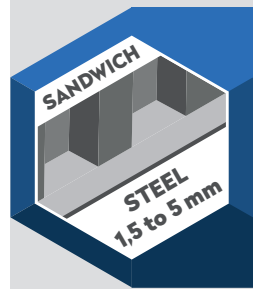


		t_{N1} [mm]	t_{II} [mm]						
			0,75	1,00	1,50	2,00	3,00	4,00	6,00
	$V_{R,k}$ [kN]	0,40	1,55	1,55	1,55	1,55	1,55	1,55	1,55
		0,50	2,46	2,46	2,46	2,46	2,46	2,46	2,46
		0,55	2,53	2,53	2,53	2,53	2,53	2,53	2,53
		0,63	2,64	2,64	2,64	2,64	2,64	2,64	2,64
		0,75	2,80	2,80	2,80	2,80	2,80	2,80	2,80
		0,88	2,80	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	1,51	1,51	1,51	1,51	1,51
		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	2,67	2,67	2,67
		0,63	0,68	0,94	2,06	2,64	2,99	2,99	2,99
		0,75	0,68	0,94	2,06	2,64	3,48	3,48	3,48
		0,88	0,68	0,94	2,06	2,64	3,48	3,48	3,48
		1,00	0,68	0,94	2,06	2,64	3,48	3,48	3,48
		1,13	0,68	0,94	2,06	2,64	3,48	3,48	3,48
		1,25	0,68	0,94	2,06	2,64	3,48	3,48	3,48
	u [mm]	40	6,00	3,00	3,00	3,00	3,00	2,00	2,00
		50	7,50	3,50	3,50	3,50	3,50	2,50	2,50
		60	9,00	4,50	4,50	4,50	4,50	3,00	3,00
		80	12,00	6,00	6,00	6,00	6,00	4,00	4,00
		100	15,00	7,50	7,50	7,50	7,50	5,00	5,00
		120	18,00	9,00	9,00	9,00	9,00	6,00	6,00
		≥160	24,00	12,00	12,00	12,00	12,00	8,00	8,00

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


SANDWICH PANELS - STEEL 1,5 TO 5 MM - GALVANISED

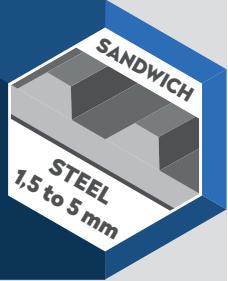
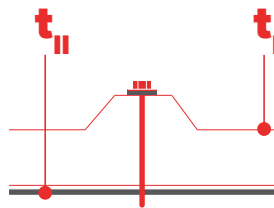


SANDWICH PANEL SCREW 5,5/6,3 X L – DP3, WASHER DIAMETER Ø 22,0 MM

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_I [mm]						
			0,75	1,00	1,50	2,00	3,00	4,00	6,00
	$V_{R,k}$ [kN]	0,40	1,55	1,55	1,55	1,55	1,55	1,55	1,55
		0,50	2,46	2,46	2,46	2,46	2,46	2,46	2,46
		0,55	2,53	2,53	2,53	2,53	2,53	2,53	2,53
		0,63	2,64	2,64	2,64	2,64	2,64	2,64	2,64
		0,75	2,80	2,80	2,80	2,80	2,80	2,80	2,80
		0,88	2,80	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	1,89	1,89	1,89	1,89	1,89
		0,50	0,68	0,94	2,06	2,64	2,89	2,89	2,89
		0,55	0,68	0,94	2,06	2,64	3,06	3,06	3,06
		0,63	0,68	0,94	2,06	2,64	3,35	3,35	3,35
		0,75	0,68	0,94	2,06	2,64	3,77	3,77	3,77
		0,88	0,68	0,94	2,06	2,64	3,77	3,77	3,77
		1,00	0,68	0,94	2,06	2,64	3,77	3,77	3,77
		1,13	0,68	0,94	2,06	2,64	3,77	3,77	3,77
		1,25	0,68	0,94	2,06	2,64	3,77	3,77	3,77
	u [mm]	40	6,00	3,00	3,00	3,00	3,00	2,00	2,00
		50	7,50	3,50	3,50	3,50	3,50	2,50	2,50
		60	9,00	4,50	4,50	4,50	4,50	3,00	3,00
		80	12,00	6,00	6,00	6,00	6,00	4,00	4,00
		100	15,00	7,50	7,50	7,50	7,50	5,00	5,00
		120	18,00	9,00	9,00	9,00	9,00	6,00	6,00
		≥ 160	24,00	12,00	12,00	12,00	12,00	8,00	8,00

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