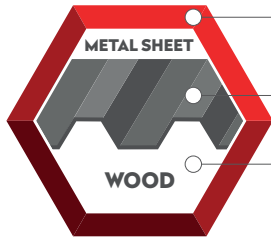




SELF-DRILLING SCREW DP1

APPLICATION



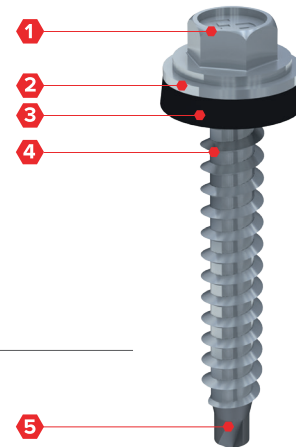
Bi-metal A2 304

Metal sheet Screws

Wood

SPECIFICATION

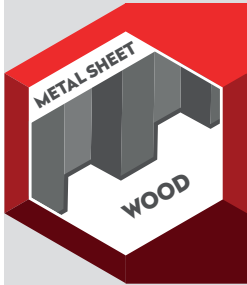
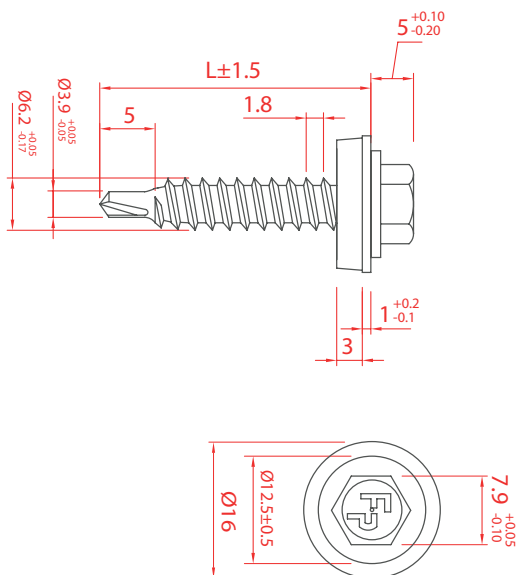
- 1 Head style 5/16" (8 mm)
- 2 Washer diameter standard 16 mm
- 3 SS EPDM bond seal
- 4 Thread for substructure wood
- 5 Drilling point 1 reduced



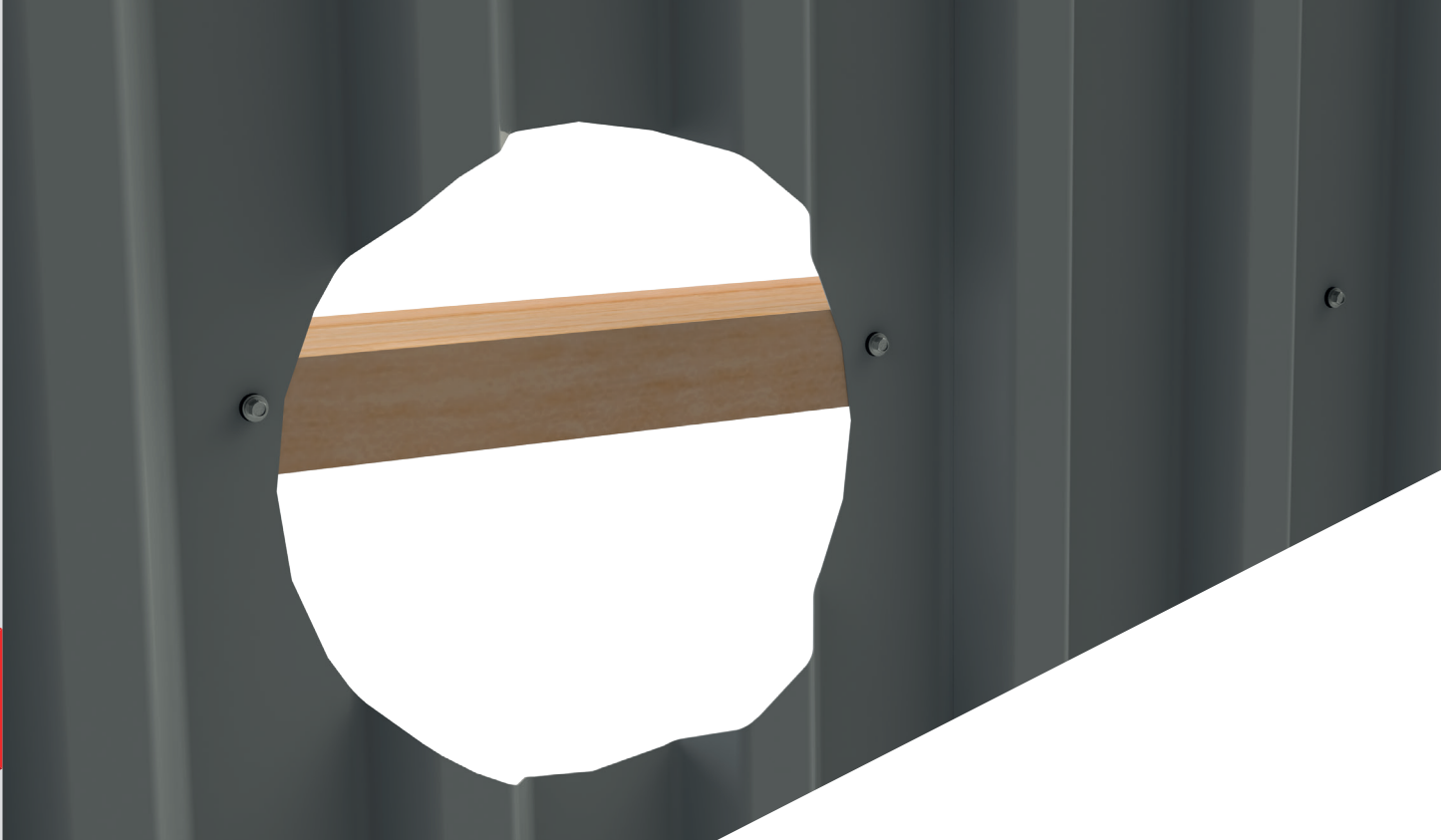
OPTIONS

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

SECTION



METAL SHEETS - WOOD - BI-METAL A2 304



METAL SHEETS - WOOD - BI-METAL A2 304

ORDER INFORMATION

Product	Size (L)	Packaging	Article code
Self-Drilling Screw 6,3 x 40 - DP1	40 mm	250 pcs/box	2001016304016



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

CERTIFICATES

Deutsches
Institut
für
Bautechnik





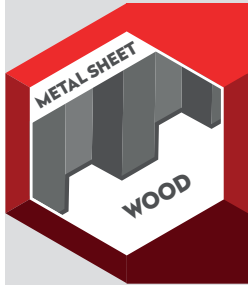
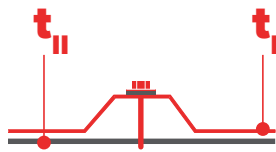
European
Technical Approval
ETA 17/0321





QUALITY
CONFIRMED

SELF-DRILLING SCREW 6,3 X L - DP1, WASHER DIAMETER Ø 14,0 MM

Materials		
Screw	Stainless steel 1.4301 (A2) – conform and ISO 3506	 European Technical Approval ETA 17/0321
Washer	Stainless steel 1.4301 (A2) – conform and ISO 3506	
Material A (t_I)	Steel quality S280GD, S320GD and S350GD - conform EN 10346	 QUALITY CONFIRMED
Material B (t_{II})	Wooden Support conform DIN EN 338, $\rho = 350 \text{ kg/m}^2$ (min. C24)	
Drilling capacity	Wood	





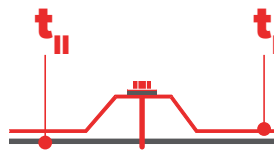
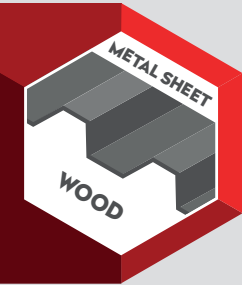
		t_{NI} [mm]	L_{eff} [mm]
			35
	$V_{R,k}$ [kN]	0,40	1,17
		0,50	1,42
		0,55	1,58
		0,63	1,83
		0,75	2,20
		0,88	2,20
		1,00	2,20
		1,13	2,20
		1,25	2,20
	$N_{R,k}$ [kN]	0,40	1,74
		0,50	1,80
		0,55	2,18
		0,63	2,18
		0,75	2,18
		0,88	2,18
		1,00	2,18
		1,13	2,18
		1,25	2,18



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 6,3 X L - DP1, WASHER DIAMETER Ø 16,0 MM

Materials		
Screw	Stainless steel 1.4301 (A2) – conform and ISO 3506	 European Technical Approval ETA 17/0321
Washer	Stainless steel 1.4301 (A2) – conform and ISO 3506	
Material A (t_{II})	Steel quality S280GD, S320GD and S350GD - conform EN 10346	 QUALITY CONFIRMED
Material B ($t_{II'}$)	Wooden Support conform DIN EN 338, $\rho = 350 \text{ kg/m}^2$ (min. C24)	
Drilling capacity	Wood	





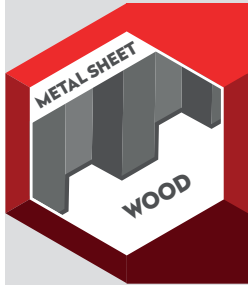
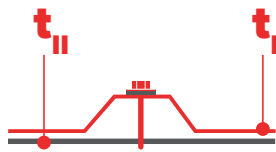
		t_{NI} [mm]	L_{eff} [mm]
			35
 $V_{R,k}$ [kN]		0,40	1,17
		0,50	1,42
		0,55	1,58
		0,63	1,83
		0,75	2,20
		0,88	2,20
		1,00	2,20
		1,13	2,20
		1,25	2,20
 $N_{R,k}$ [kN]		0,40	1,62
		0,50	1,89
		0,55	2,16
		0,63	2,18
		0,75	2,18
		0,88	2,18
		1,00	2,18
		1,13	2,18
		1,25	2,18



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 6,3 X L - DP1, WASHER DIAMETER Ø 19,0 MM

Materials		
Screw	Stainless steel 1.4301 (A2) – conform and ISO 3506	 European Technical Approval ETA 17/0321
Washer	Stainless steel 1.4301 (A2) – conform and ISO 3506	
Material A (t_I)	Steel quality S280GD, S320GD and S350GD - conform EN 10346	 QUALITY CONFIRMED
Material B (t_{II})	Wooden Support conform DIN EN 338, $\rho = 350 \text{ kg/m}^2$ (min. C24)	
Drilling capacity	Wood	



		t_{NI} [mm]	L_{eff} [mm]
			35
	$V_{R,k}$ [kN]	0,40	1,17
		0,50	1,42
		0,55	1,58
		0,63	1,83
		0,75	2,20
		0,88	2,20
		1,00	2,20
		1,13	2,20
		1,25	2,20
	$N_{R,k}$ [kN]	0,40	1,91
		0,50	2,18
		0,55	2,18
		0,63	2,18
		0,75	2,18
		0,88	2,18
		1,00	2,18
		1,13	2,18
		1,25	2,18

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.

