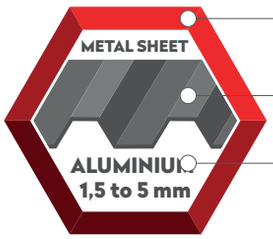
SELF-DRILLING TORX SCREW DP3

APPLICATION



Bi-metal A2 304

Metal sheet Screw

Aluminium 1,5 to 5 mm

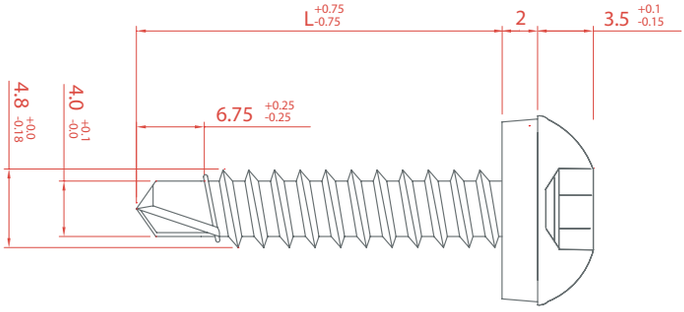
SPECIFICATION

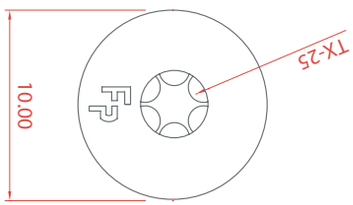
1. Head style Torx 25
2. Washer SS/EPDM 9 mm
3. Thread for substructure aluminium 1,5 to 5 mm
4. Drilling point 3 (hardened steel)

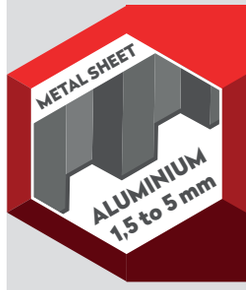
OPTIONS

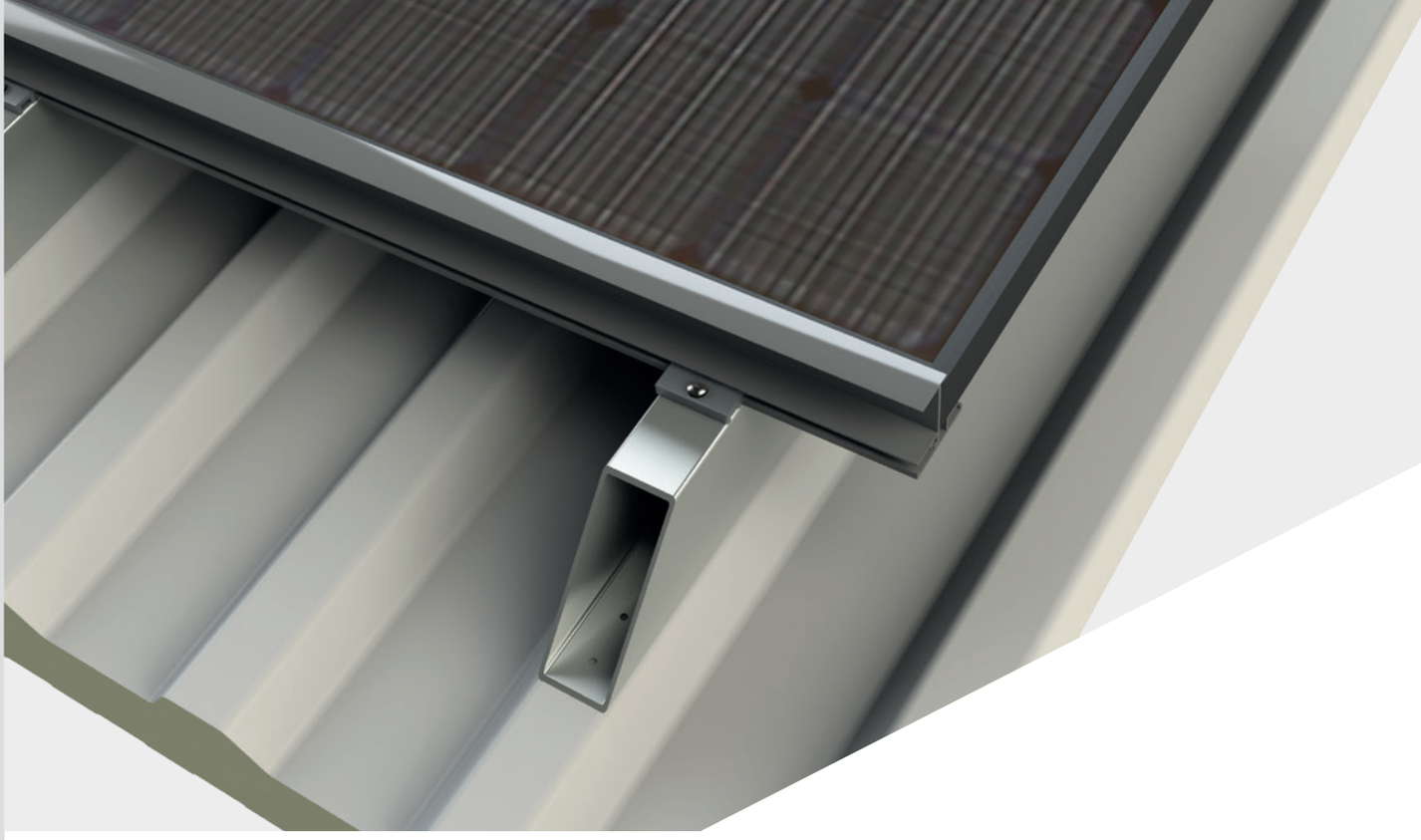
1. Powder coated in any desired RAL colour

SECTION



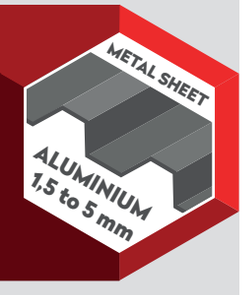






ORDER INFORMATION

Product	Size *(L)*	Packaging	Article code
Self-Drilling torx Screw 4,8 x 20 - DP3	20 mm	500 pcs/box	20010348022M



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

CERTIFICATES

CE

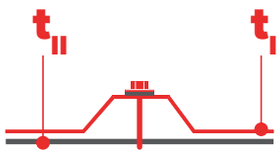
FP QUALITY CONFIRMED

SELF-DRILLING TORX SCREW 4,8 X L - DP3, WASHER DIAMETER Ø 10,0 MM

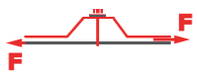
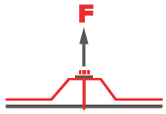
Materials	
Screw	SS 1.4301 (A2) - conform EN3506
Washer	SS 1.4301 (A2) - conform EN3506
Material A (t_I)	S280GD, S320GD and S350GD conform EN 10346
Material B (t_{II})	Aluminium Alloy and 573 Rm,min ≥ 215 N/mm²
Drilling capacity	Alu 215 ≤ 5 mm

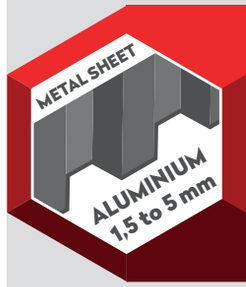
CE

QUALITY CONFIRMED



WASHER DIAMETER **10 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**	0,80	0,80	0,80	0,80	0,80	0,80	0,80
		0,50	0,88	0,88	0,88	0,88	0,88	0,88	0,88
		0,55	0,96	0,96	0,96	0,96	0,96	0,96	0,96
		0,63	1,08	1,08	1,08	1,08	1,08	1,08	1,08
		0,75	1,26	1,26	1,26	1,26	1,26	1,26	1,26
		0,88	1,26	1,46	1,46	2,14	2,14	2,14	2,14
		1,00	1,26	1,64	1,64	2,14	2,14	2,14	2,14
		1,13	1,26	1,64	1,61	2,14	2,14	2,14	2,14
		1,25	1,26	1,64	1,61	2,14	2,14	2,14	2,14
	$N_{R,k}$ [kN]	**0,40**	0,20	0,31	0,79	1,23	1,30	1,30	1,30
		0,50	0,20	0,31	0,79	1,23	1,88	2,16	2,16
		0,55	0,20	0,31	0,79	1,23	1,88	2,36	2,36
		0,63	0,20	0,31	0,79	1,23	1,88	2,60	2,60
		0,75	0,20	0,31	0,79	1,23	1,88	2,60	2,60
		0,88	0,20	0,31	0,79	1,23	1,88	2,60	2,60
		1,00	0,20	0,31	0,79	1,23	1,88	2,60	2,60
		1,13	0,20	0,31	0,79	1,23	1,88	2,60	2,60
		1,25	0,20	0,31	0,79	1,23	1,88	2,60	2,60



Note

1. Above mentioned values are characteristic values.
2. To determine the design value we advise to apply a material factor of γm = 1,33 .
3. You can find further information and calculation examples on page 10.1.7.
4. The mechanical properties in combination with an aluminium support in Rm ≥ 165 N/mm² quality are available on request. Please contact our internal sales department for more information.