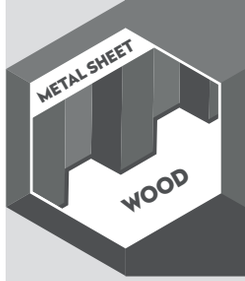
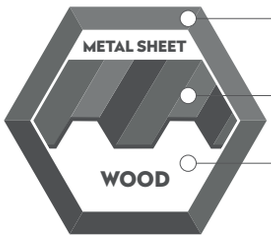
SELF-DRILLING SCREW HI-LO



APPLICATION



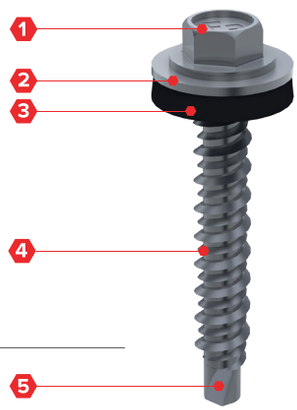
SS SUS410

Metal sheet Screw

Wood

SPECIFICATION

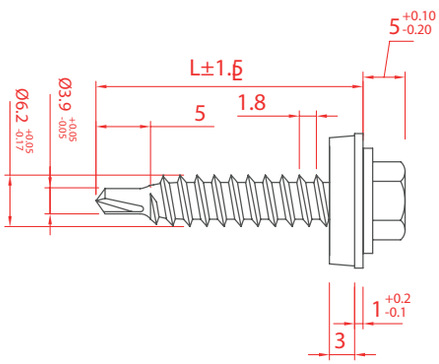
1. Head style 5/16" (8 mm)
2. Washer diameter standard 16 mm
3. SS EPDM bond seal
4. Thread for substructure wood
5. Drilling point 1

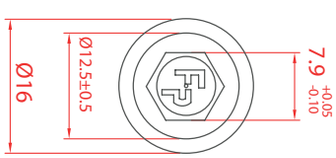


OPTIONS

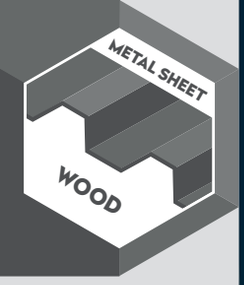
1. Powder coated in any desired RAL colour
2. Washer diameter 19 or 22 mm

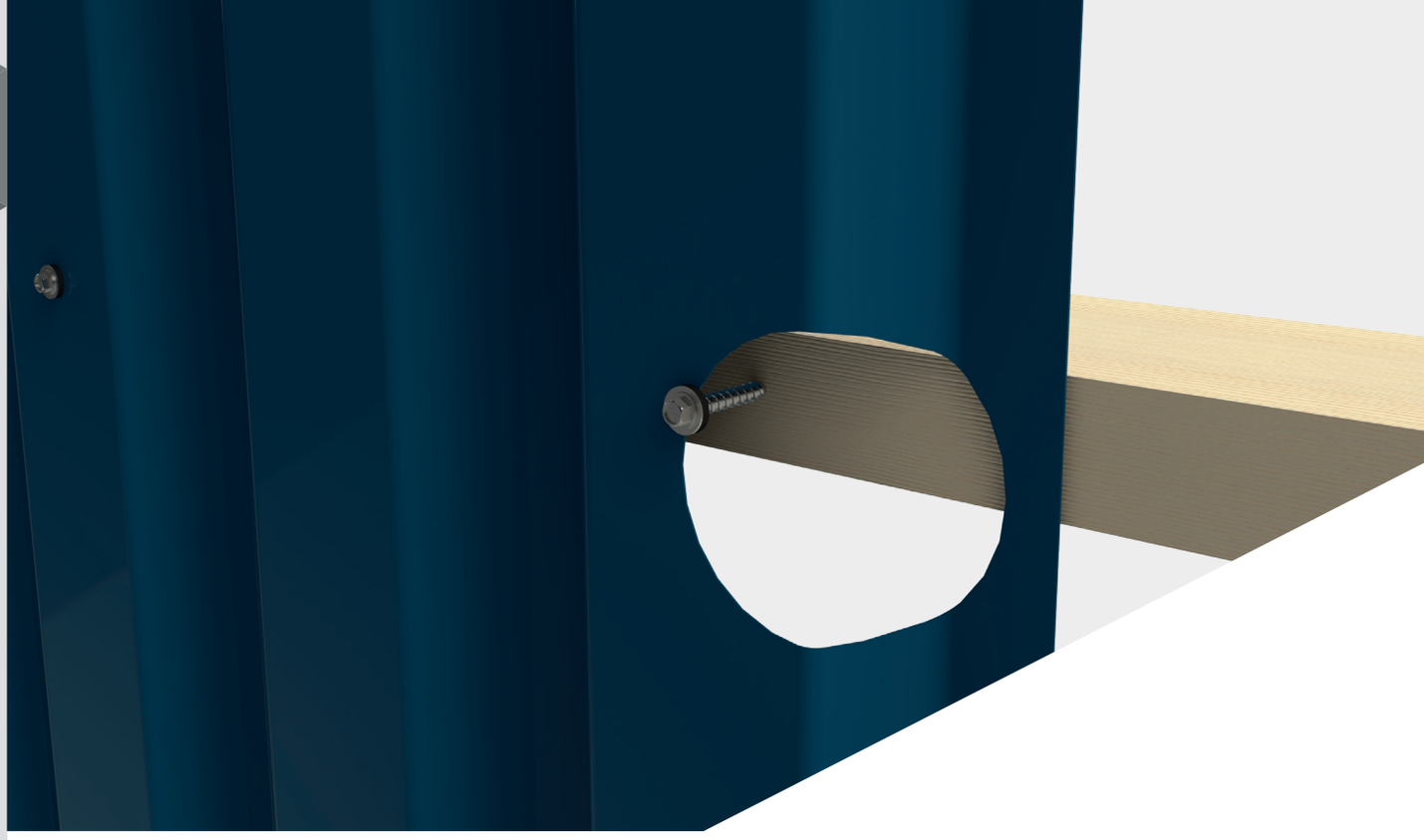
SECTION





METAL SHEETS - WOOD - SS SUS410





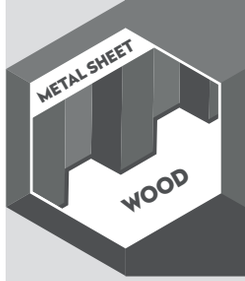
ORDER INFORMATION

Product	Size *(L)*	Packaging	Article code
Self-Drilling Screw 6,3 x 25 - HI-LO	25 mm	250 pcs/box	2003016302516
Self-Drilling Screw 6,3 x 38 - HI-LO	38 mm	250 pcs/box	2003016303816

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

CERTIFICATES

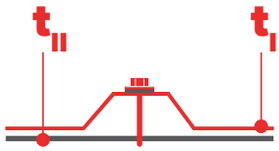
QUALITY CONFIRMED



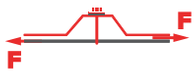
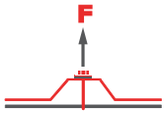
SELF-DRILLING SCREW 6,3 X L - HI-LO, WASHER DIAMETER Ø 16,0 MM

Materials	
Screw	SS 1.4006 (SUS410) - conform EN3506
Washer	SS 1.4301 (A2) - conform EN3506
Material A (t_I)	S280GD, S320GD and S350GD conform EN 10346
Material B (t_{II})	Wood ≥ C24 conform DIN EN 338
Drilling capacity	Wood ≥ 30 mm

QUALITY CONFIRMED

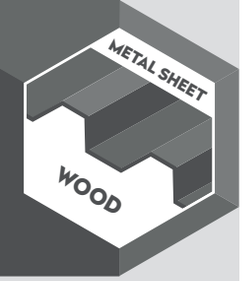


WASHER DIAMETER 16 mm

		t_{N1} [mm]	L_{eff} [mm]
			30
	$V_{R,k}$ [kN]	**0,40**	1,38
		0,50	1,74
		0,55	1,78
		0,63	1,86
		0,75	1,98
		0,88	1,98
		1,00	1,98
		1,13	1,98
		1,25	1,98
	$N_{R,k}$ [kN]	**0,40**	1,29
		0,50	1,98
		0,55	2,21
		0,63	2,57
		0,75	3,02
		0,88	3,02
		1,00	3,02
		1,13	3,02
		1,25	3,02

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.

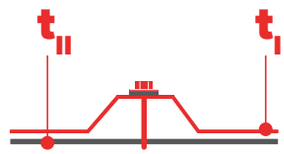


SELF-DRILLING SCREW 6,3 X L - HI-LO, WASHER DIAMETER Ø 19,0 MM

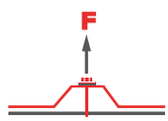
Materials	
Screw	SS 1.4006 (SUS410) - conform EN3506
Washer	SS 1.4301 (A2) - conform EN3506
Material A (t_I)	S280GD, S320GD and S350GD conform EN 10346
Material B (t_{II})	Wood ≥ C24 conform DIN EN 338
Drilling capacity	Wood ≥ 30 mm

CE

QUALITY CONFIRMED

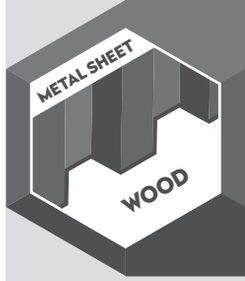


WASHER DIAMETER 19 mm

		t_{N1} [mm]	L_{eff} [mm]
			30
	$V_{R,k}$ [kN]	**0,40**	1,38
		0,50	1,74
		0,55	1,78
		0,63	1,86
		0,75	1,98
		0,88	1,98
		1,00	1,98
		1,13	1,98
		1,25	1,98
	$N_{R,k}$ [kN]	**0,40**	1,42
		0,50	2,46
		0,55	2,60
		0,63	2,81
		0,75	3,02
		0,88	3,02
		1,00	3,02
		1,13	3,02
		1,25	3,02

Note

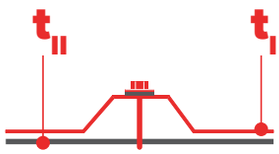
1. Above mentioned values are characteristic values.
2. To determine the design value we advise to apply a material factor of γm = 1,33 .
3. You can find further information and calculation examples on page 10.1.7.



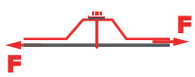
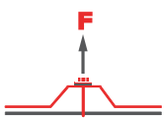
SELF-DRILLING SCREW 6,3 X L - HI-LO, WASHER DIAMETER Ø 22,0 MM

Materials	
Screw	SS 1.4006 (SUS410) - conform EN3506
Washer	SS 1.4301 (A2) - conform EN3506
Material A (t_I)	S280GD, S320GD and S350GD conform EN 10346
Material B (t_{II})	Wood ≥ C24 conform DIN EN 338
Drilling capacity	Wood ≥ 30 mm

QUALITY CONFIRMED



WASHER DIAMETER 22 mm

		t_{N1} [mm]	L_{eff} [mm]
			30
	$V_{R,k}$ [kN]	**0,40**	1,38
		0,50	1,74
		0,55	1,78
		0,63	1,86
		0,75	1,98
		0,88	1,98
		1,00	1,98
		1,13	1,98
		1,25	1,98
	$N_{R,k}$ [kN]	**0,40**	1,95
		0,50	2,59
		0,55	2,81
		0,63	3,02
		0,75	3,02
		0,88	3,02
		1,00	3,02
		1,13	3,02
		1,25	3,02

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.