



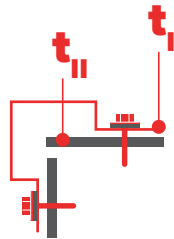


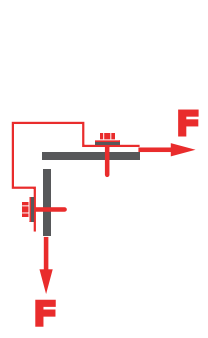
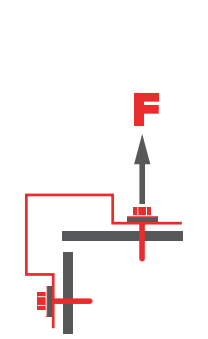
# SELF-DRILL LOW PROFILE SCREW PRO

**SHEET-TO-SHEET - STEEL  $\leq 1,5$  MM - SS SUS410**

## SELF-DRILLING LOW PROFILE SCREW 4,2 X L, HEAD 8,5 MM

Materials		 
Screw	SS 1.4006 (SUS410) - conform EN3506	
Washer	SS 1.4301 (A2) - conform EN3506	
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 $\leq 1,5$ mm	



		$t_{N1}$ [mm]	$t_{II}$ [mm]					
			0,40	0,50	0,55	0,63	0,75	0,88
 $V_{R,k}$ [kN]	<b>0,40</b>	1,01	1,01	1,01	1,01	1,01	1,01	1,01
	<b>0,50</b>	1,52	1,52	1,52	1,52	1,52	1,52	1,52
	<b>0,55</b>	1,56	1,56	1,56	1,56	1,56	1,56	1,56
	<b>0,63</b>	1,63	1,63	1,63	1,63	1,63	1,63	1,63
	<b>0,75</b>	1,73	1,73	1,73	1,73	1,73	1,73	1,73
	<b>0,88</b>	1,73	2,71	2,71	2,71	2,71	2,71	2,71
	<b>1,00</b>	1,73	2,71	2,71	2,71	2,71	2,71	2,71
	<b>1,13</b>	1,73	2,71	2,71	2,71	2,71	2,71	2,71
	<b>1,25</b>	1,73	2,71	2,71	2,71	2,71	2,71	2,71
 $N_{R,k}$ [kN]	<b>0,40</b>	0,45	0,77	0,85	1,07	1,12	1,29	1,29
	<b>0,50</b>	0,45	0,77	0,85	1,07	1,12	1,98	1,98
	<b>0,55</b>	0,45	0,77	0,85	1,07	1,12	1,98	1,98
	<b>0,63</b>	0,45	0,77	0,85	1,07	1,12	1,98	1,98
	<b>0,75</b>	0,45	0,77	0,85	1,07	1,12	1,98	1,98
	<b>0,88</b>	0,45	0,77	0,85	1,07	1,12	1,98	1,98
	<b>1,00</b>	0,45	0,77	0,85	1,07	1,12	1,98	1,98
	<b>1,13</b>	0,45	0,77	0,85	1,07	1,12	1,98	1,98
	<b>1,25</b>	0,45	0,77	0,85	1,07	1,12	1,98	1,98

### 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.