

EJOT SHEETtracs®

Safe assembly of thin sheet metal with pilot-hole



The [EJOT SHEETtracs®](#) is a self tapping screw for safe mounting of thin sheet metal joints with pilot hole.

The reduced screw flank angle of 45° creates a more stable female thread compared to common 60° threads.

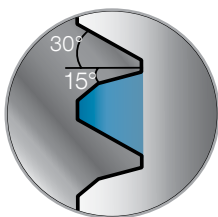
This way the torque level is increased and a secure thin sheet metal assembly is possible.

Advantages:

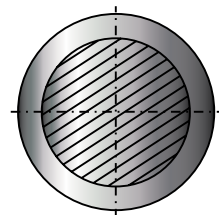
- high strength of the screw joint
- high vibration resistance
- simple and safe assembly due to good alignment and low installation torque
- high stripping torque due to a robust female thread
- metric compatibility

Features

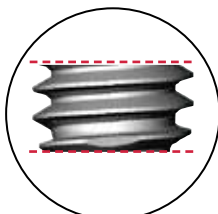
45° flank angle



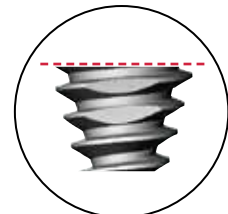
circular cross section



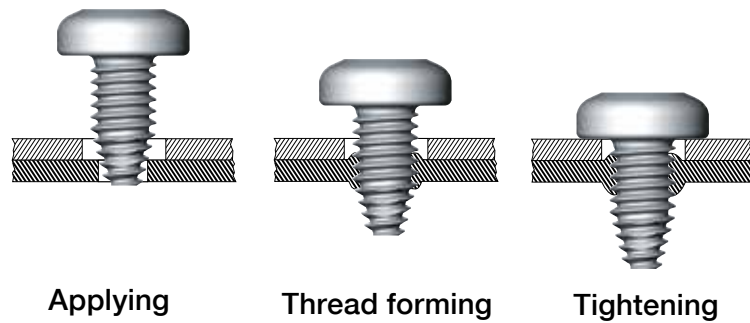
reversed flank angle



non-circular thread forming zone



Steps of joining:



Applying

Thread forming

Tightening

Pilot hole recommendations*

SHEETtracs	Outer Ø d_1 [mm]	Sheet thickness s [mm]	pilot hole Ø d_v [mm] (Tolerance: +0,1)	Tightening torque T_t [Nm]
30	3	0.50 - 0.63	Ø 2,0	1.0
		0.63 - 0.88	Ø 2,1	1.2
35	3.5	0.63 - 0.88	Ø 2,2	1.3
		0.88 - 1.00	Ø 2,4	1.5
		1.00 - 1.25	Ø 2,6	1.5
40	4	0.63 - 0.88	Ø 2,6	2.0
		0.88 - 1.00	Ø 2,8	2.5
		1.00 - 1.25	Ø 3,0	2.5
50	5	0.63 - 0.75	Ø 3,8	2.5
		0.75 - 0.88	Ø 4,1	3.0
		0.88 - 1.00	Ø 4,2	3.5
		1.00 - 1.25	Ø 4,3	3.5
		1.25 - 1.50	Ø 4,4	4.0
60	6	0.88 - 1.00	Ø 4,8	4.0
		1.00 - 1.25	Ø 4,9	5.0
		1.25 - 1.50	Ø 5,1	6.0

*Recommendations are valid for thin sheets made of cold rolled, soft steel acc. to DIN EN 10130 (DC 01 – DC 04).