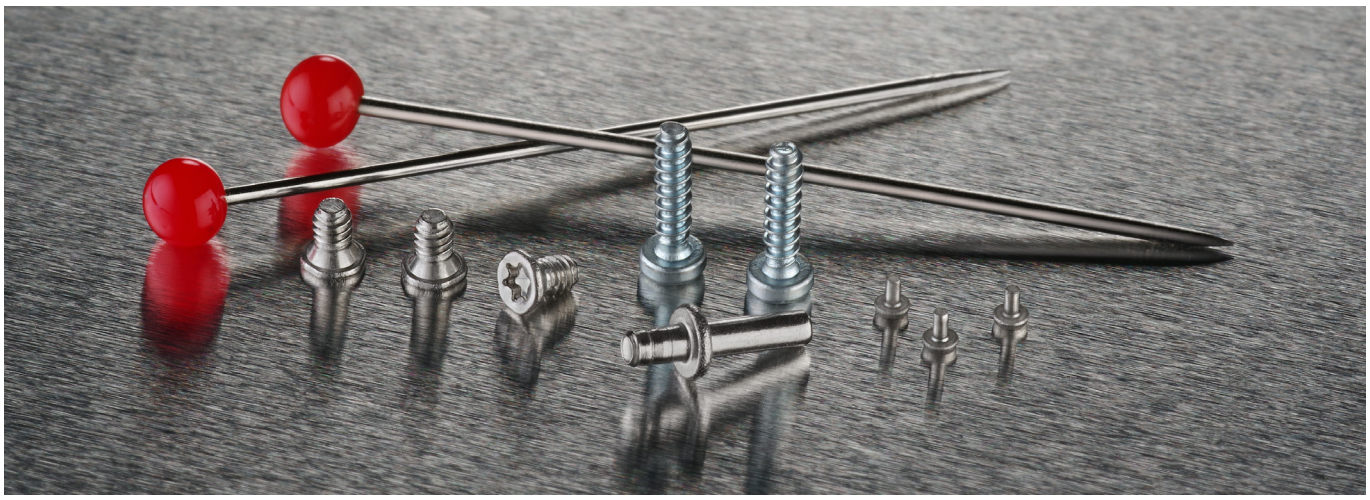
EJOT® Micro Screws

Maximum performance in minimum space



Miniaturization

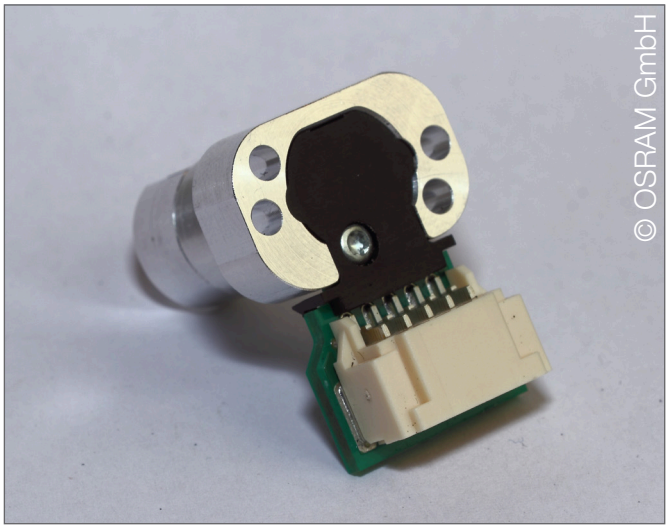
From the automotive and telecommunication industry to electronic and pneumatic applications – the range of applications for joints in confined spaces is increasing. Considering light weight design aspects every ounce and millimetre is of special significance. These high demands on the fastening technology are fulfilled by the EJOT® Micro Screws, since they offer the same advantages of the larger dimensions despite the miniaturization.

High mechanical strength

The innovative joining technology with EJOT® Micro Screws is exemplary for durable and secure screw joints, even in the "micro range". Due to their tight-fitting thread, they reach a high mechanical strength even in difficult assembly conditions. This advantage of a zero tolerance thread is amplified the smaller the screw joint gets.

The alternative to other connections

Due to the thread-forming geometry of the EJOT® Micro Screws, inserts are unnecessary even for highly stressed components. Preparatory steps, such as thread cutting, which are especially difficult in the micro range can be omitted when using the EJOT® Micro Screws. Due to their individual thread geometries, adapted to the used materials, they are suitable for many different materials. They are also a good substitute for soldering, gluing, clipping or welding, because of their removability.



Application in miniaturized laser activated remote-phosphorus-device µLARP (laser light for cars)

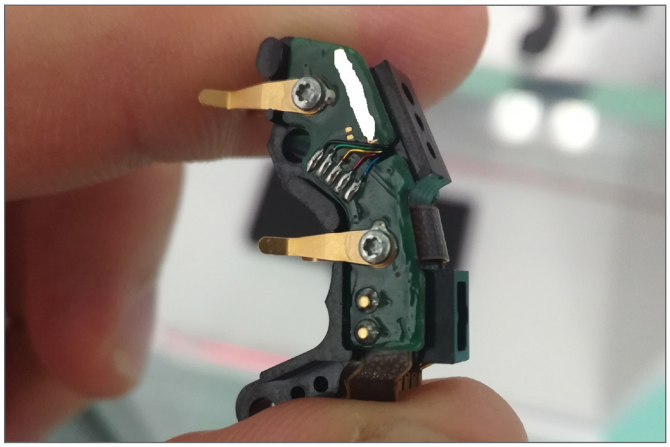
EJOT. Bringing it together.

Benefits of EJOT® Micro Screws at a glance

- Reduction of cycle times or omission of complete work-steps possible
- Even stress distribution and load transmission
- Removable connection, easy to recycle
- Fastening in all usual materials as well as self-tapping in plastic material and light metal with the established DELTA PT® and ALtracs® Plus threads
- Pre-calculation of the screw joint with prognosis programs DELTA CALC® and ALtra CALC® possible

Features

- Thread Ø from 0.8 mm on
- Production lengths up to 50 mm
- All electrolytic surface finishes and screw materials customary in the market, special solutions upon request
- Drives: TORX® / TORX PLUS®, AUTOSERT® as well as further drives customary in the market
- EJOMAT® – Optical sorting (high sorted quality, examination of all important parameters according to drawing) and subsequent direct packaging
- EJOCLEAN® – Technically clean screws through state-of-the-art equipment



Application in cochlea-implantat-system (hearing aid for deaf)

Manufacturing range

screw type		screw diameter [mm]							
		1,0	1,2	1,4	1,6	1,8	2,0	2,2	2,5
DELTA PT®	length [mm]	3.0 - 10	3.0 - 12	3.0 - 14	3.5 - 16	3.5 - 18	4.0 - 20	4.5 - 22	5.0 - 25
DELTA PT® DS		-	-	-	-	-	-	6.0 - 22	7.0 - 25
ALtracs® Plus		-	-	3.0 - 7.0	3.5 - 16	4.0 - 18	4.0 - 20	4.5 - 22	5.0 - 25
Metric threads		2.0 - 10	2.0 - 10	3.0 - 12	3.5 - 14	3.5 - 16	4.0 - 18	4.5 - 20	5.0 - 20
Spiralform®, FDS®, SHEETtracs®		-	-	-	-	-	-	-	6.0 - 20

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