

POWER-LOCK FASTENER

PROFILE CONNECTION WITHOUT MACHINING



Due to recent studies there is much optimization potential especially in connection technology for profile systems. The connection must be seen as a complete system.

The total cost of a connection is composed of a number of factors:

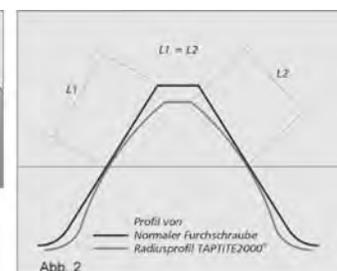
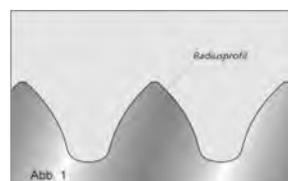
- Design and dimensioning of bores and threads
- Providing equipment and devices
- Procurement and management of drilling and threading tools
- Work Preparation
- Working time for drilling, threading
- Internal transport

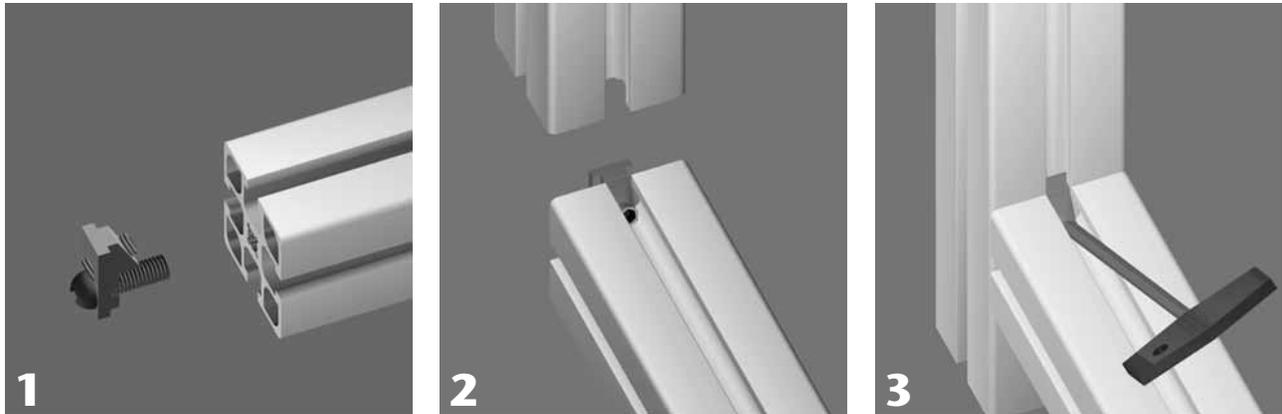
The decisive factor in this consideration is not the cost of the individual connectors. Fundamental cost factor is working time - both in design, production planning and workshop.

MiniTec power-lock fastener 45 SF

Apart from the cost and time advantage the MiniTec profile connector has numerous other benefits such as post-adjustability, ESD performance, ergonomic design and optical benefits. With self-tapping screws the MiniTec power-lock fastener has become even faster. The fastener is simply screwed on to the front side of the profile with the screw. With a standard cordless screwdriver this whole process takes a maximum of 3 seconds. There is no preparation for drilling, tapping, measuring or planning required.

Not only the economic superiority speaks for the MiniTec connector with self-tapping screw. Thanks to the trilobular socket shape combined with the radial profile shape of the thread flanks the new screws have low friction moments. The radial profile shape causes only little material displacement and reduces the amount of shaping work. Thus, the forming torque is lowered by up to 50%. This ensures controlled assembly and higher clamping forces with less clamping force scattering.





Easy three-step-assembly

ASSEMBLY

- 1 Slightly tighten pressure piece with screw M8 x 25 on the front side of the profile
- 2 Push profile 2 with its groove beneath the edges of the pressure piece until the desired position is reached
- 3 Tighten set screw M8 with hex screwdriver SW4.
Recommended tightening torque approximately 12 Nm

ADVANTAGES

- The corners of the profile connection remain free for panel elements
- The joint is invisible from the outside
- Secured against rotation
- Load capacity: 6000 N (UL Profile: 4000N)
- Cross connections can be easily implemented
- The compound is electrically conductive
- Ergonomically optimized

NAME	PART NO.	DESCRIPTION
Power-Lock fastener 45	21.1018/0	with filister screw M8/SW5
Power-Lock fastener 45 SF	21.0818/0	with self-tapping Torx screw M8/T40
Power-Lock fastener 45 H	21.1018/1	Cylindrical screw M8/SW5, Corrosion resistant version for use in corrosive environments
Power-Lock fastener 45 SF short	21.0020/0	with self-tapping Torx screw M8/T40, for profile connections with flush end cap
Power-Lock fastener 30	21.0014/0	with filister screw M8/SW5
Power-Lock fastener 30 SF	21.0016/0	with self-tapping Torx screw M8/T40
Power-Lock fastener 30 SF ESD	21.0037/0	with self-tapping Torx screw M8/T40



Impuls wrench part no. 26.0800/0
for joint-friendly work.