



aluminium profiles

Developed from over 40 years experience with aluminium profiles:

We have been passionately involved with aluminium and its processing for over four decades. The experience we have gained over the last few years has resulted in a completely new and more advanced aluminium profile system.

Our newly developed *@flex* system is lighter, more flexible and more versatile - hardly comparable with its predecessor.

@flex enables superstructures to be created without milling or drilling. This saves costs for the use of additional material and increases efficiency in terms of higher processing speed and reduced complexity during assembly.

It was also important for our new development to maintain the familiar quality; our extruded profiles are manufactured in accordance with the current DIN standards.

Due to close partnerships and short contact channels with our suppliers, we are able to react quickly to market situations or special customer requests.



Fig.1:
T-Slot contour



@flex info page
www.isel-automation.com/aflex

general terms and conditions
www.isel-automation.com

@flex[®]



The functional principle:

T-Slots and indents in the profile are inline.

@flex has decisive advantages for connections:

The arrangement of differently aligned T-Slots in a line makes it possible to connect from several directions. This element forms the core of our system.

The benefit is that there are multiple screw-on options. Existing applications can therefore be easily adapted and extended.

The T-Slot cover and the special T-Slot contour create a two-part core hole. A self-threading bush can be screwed into this core hole.

These form the basis for a stable connection. This ensures an all-round firm connection and stability.

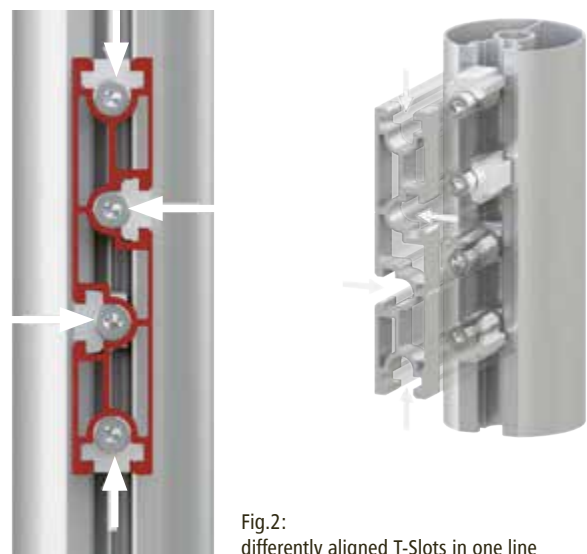


Fig.2:
differently aligned T-Slots in one line

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isel@automation[®]
from components to systems

@flex[®] - technical information

Our aluminium profiles offer versatile solutions for private users and engineers. In the following data sheet you will find general technical information on the profiles and accessories.

The aluminium profiles are made of aluminium alloy EN AW 6060-T66 and have a natural anodized surface treatment as standard, with an optional stainless steel-look surface treatment.

The standard profile length is 6000 mm, while the standard wall thickness of the profiles is 1.5 mm. While retaining the same stability, the profiles are comparatively light and easy to handle and process.

Mounting options include self-threading inserts combined with T-Slot block, screw and slot nuts.

Our profiles are temperature-resistant, electrostatically dissipative, heat-dissipating and resistant to corrosion and chemicals.

They are therefore also suitable for outdoor use, robust exhibition stand construction, in clean rooms, mechanical engineering, for decorative elements, construction, DIY projects - there are no limits to your ideas.

For further information or customer-specific inquiries, please contact our sales team.

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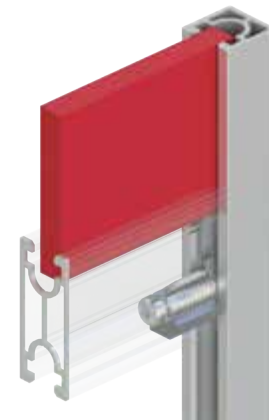


Fig3.:
inserts possible without cutting a corner

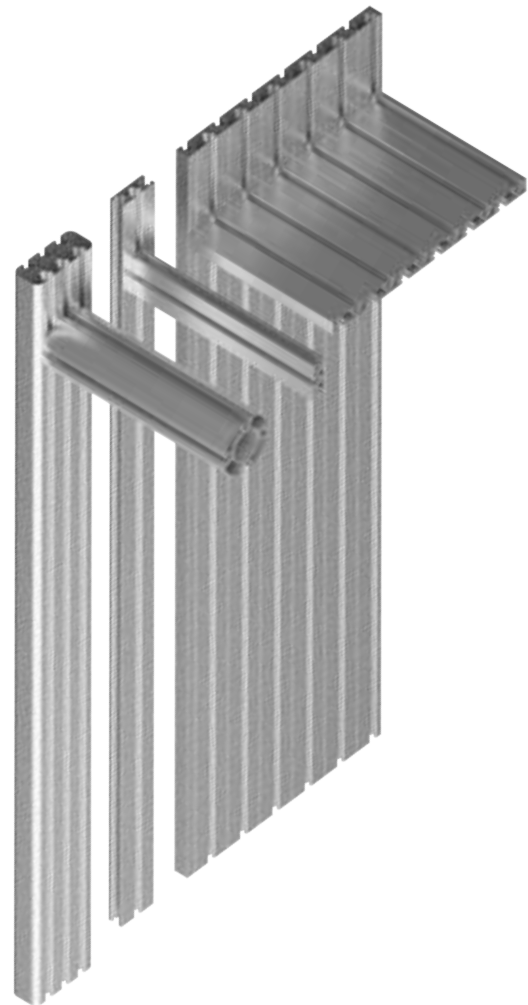


Fig4.:
different profiles, compatible with each other

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