

Technical information plug-in connectors

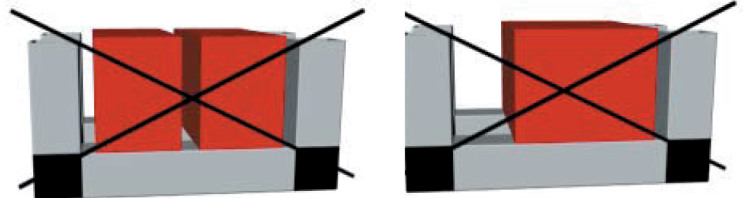
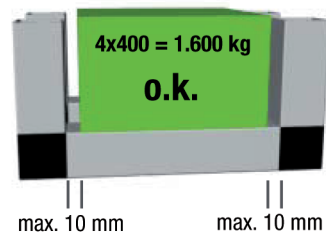
High quality plastic plug-in connectors with steel core, for insertion into square tubing

A combination of plug-in connectors and the, for these specially developed aluminium profiles give unlimited construction possibilities. The system can be combined with many different materials, from coated chipboard up to glass and plastic sheeting. No screws required, the plug-in connectors are simply inserted into the corresponding square tubing. This means that they can be disassembled and reused repeatedly. If disassembly is to be prevented, the plug-in connectors can be secured using glue, screws or rivets.

Load rating of plug-in connectors

Plug-in connectors with steel core for square tubes 25x25x1.5 and 30x30x2 have a compressive strength of max. 400 kg per horizontal connector plug under the following conditions:

- the spacing between the exterior wall of the vertical tube and the outer edge of the load must not exceed 10 mm.
- the bottom of the load is so rigid that load transmission occurs entirely at the vertices of the load (see diagram).
- the loading is purely static i.e. no dynamic stress due to moving loads.

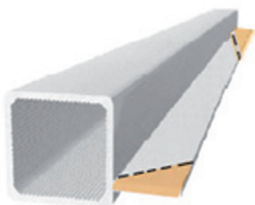


Note:

Please note that the use of items such as adjustable sliders, thread plugs and swivel pads in conjunction with the plug-in connectors can decrease these values for the entire unit.

Mitre Cuts

Mitre cuts are required when square tubes with web come in contact with a plug-in connector. On request, we can supply our square tubes with web with mitre cut.



In the case of a mitre cut, a 90° cut is made on the square and a 45° cut on the land. Surface preparation occurs prior to the cut. i.e., the edges of cut have a natural finish.