

## INTENDED USE

Mekano FSS CH100-3-P channel are factory perforated C-shaped profile designed for medium to heavy-duty application. When configured as a U-support, two vertical Mekano FSS CH100-3-P channels are mounted in parallel and connected at the bottom by a horizontal cross-member, forming a rigid "U" frame.

This configuration provides stable, freestanding or wall-mounted support for suspended loads such as cable trays, and cable ladders. The dual vertical members enhance load distribution and lateral stability, while the cross-member enhances structural integrity and alignment.

## INSTRUCTION FOR USE

Mekano FSS CH100-3-P channel should be assembled using M10 hex bolts through the pre-perforated holes.

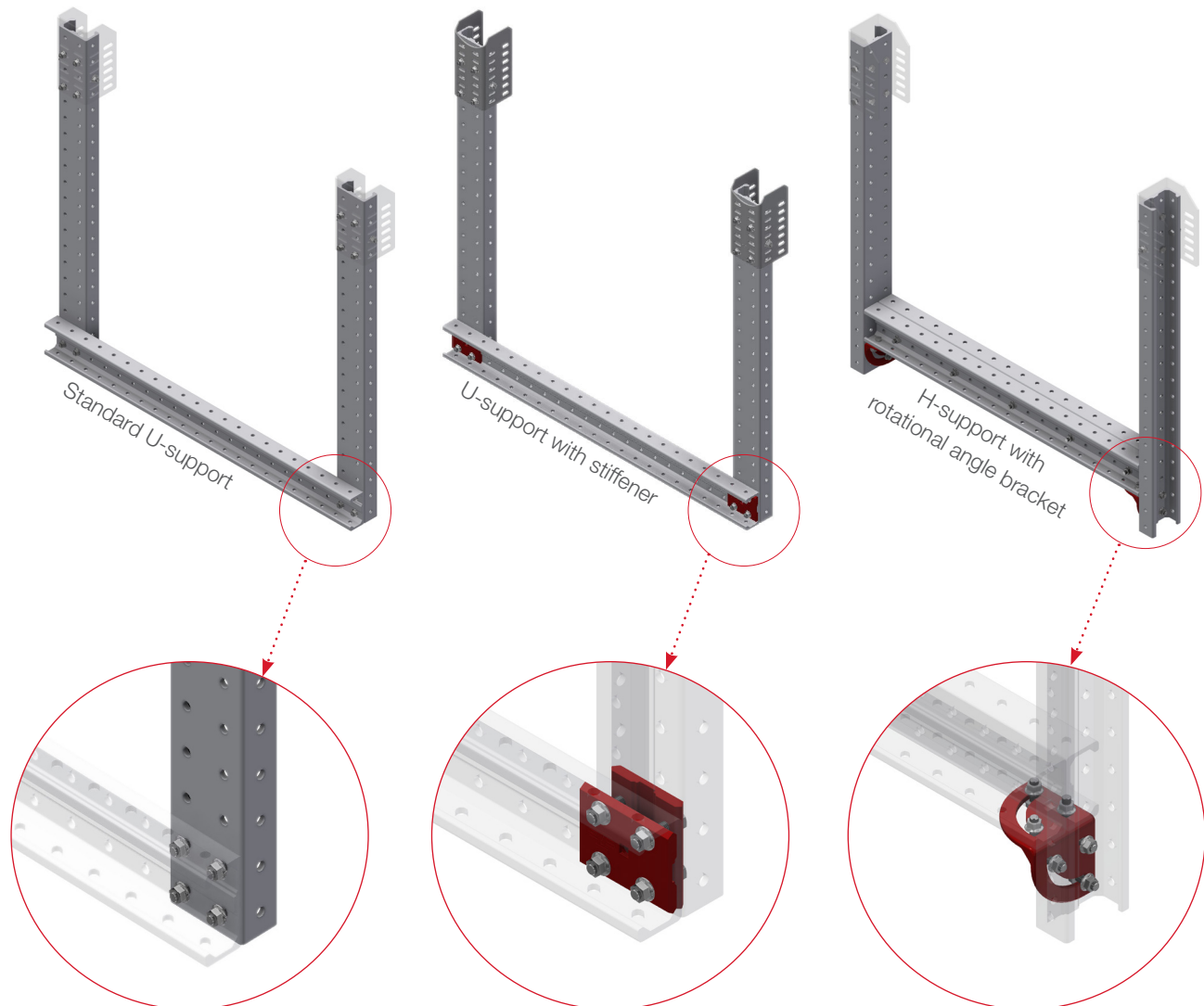
Arrange three Mekano FSS CH100-3-P channels in a U-configuration, two vertical channels on either side and one horizontal channel connecting them at the bottom.

For heavy-duty loads, reinforce the bottom connection by doubling the horizontal channel. Install the two channels back-to-back and secure them using two fasteners at 200 mm intervals through the perforated holes. Additionally, fix an angular bracket beneath the channel at both edges to further reinforce the connection and improve structural rigidity.

Inspect fasteners periodically for signs of corrosion or loosening. Avoid over-tightening bolts to prevent stress on the FRP material. Replace the damaged components immediately to maintain system integrity.



User Guide for Bolts:  
Recommended Torque



Mekano FSS CH100-3-P channel can be mounted directly in a back to-back configuration without additional adapters.

Gusset plate can be used to join the back-to-back channels, providing a stable and well-aligned connection.

To further increase rigidity, angular brackets are used to reinforce the connection between the back-to-back channels and the vertical members.