

INTENDED USE

Mekano FSS CH100-3-P channel are factory perforated C- shaped profiles designed for medium to heavy-duty application. When configured as an L-support, a vertical member is anchored to a wall or base, while a horizontal arm extends perpendicularly to form an "L" shape.

This configuration is ideal for wall-mounted or side-mounted support systems where space constraints require a single-sided projection. The L-support provides cantilever strength for light to moderate loads such as cable trays, conduits or small equipment.

Using gusset plates in this configuration improves joint strength and should be considered the preferred installation method.

INSTRUCTION FOR USE

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

Align the two channels in an L configuration (90° angle). Insert one gusset plate into the C-channel slot on each side of the joint to act as stiffeners.

Ensure the gusset plates are fully aligned and flush within the channel slots. Once properly positioned, tighten all bolts securely. Test load-bearing with a small weight before full use.

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



User Guide for Bolts:
Recommended Torque

Typical L-support.

FRP Support

