

STM-77-20

Mechanical Translation System

UTILISATION

The STM-77-20 mechanical translation system is designed to ensure a reliable, precise, and repeatable approach to test points (test probes, connectors, wear sockets, etc.) located on the periphery of a printed circuit board.

It is compatible with all types of mechanical interfaces.

When precisely integrated into a test interface, the closure of the upper part applies vertical pressure on the STM-77-20, which is then converted into a horizontal displacement, providing optimal connection to test points and connectors.

The system converts a 7 mm vertical stroke into a 20 mm horizontal movement, which can be used in both compression and traction.

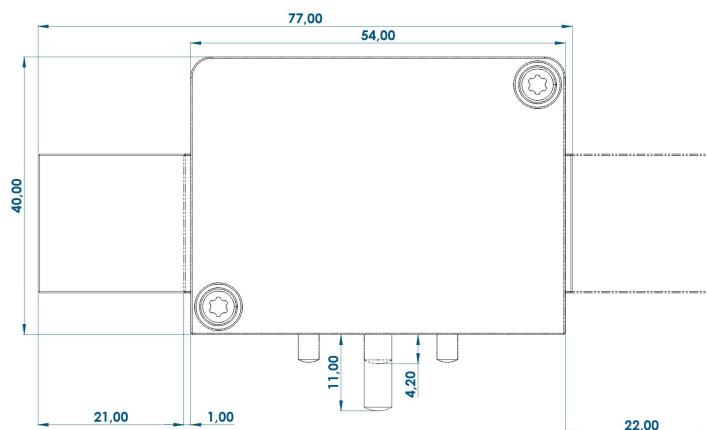
Multiple STM-77-20 units can be synchronized for backplane boards with a large number of connectors.

Accessories supplied: fixing system and stroke adjustment.



TECHNICAL SPECIFICATIONS

- **External dimensions** : 77 × 51 × 20 mm
- **Working stroke** : 20 mm
- **Activation stroke** : 7 mm
- **Pressing force** : 150 N
- **Return force** : 1.5 N
- **Operating temperature** : Ambient
- **Weight** : 0.180 kg



KEY FEATURES

- > Reliable and repeatable lateral connection
- > Robust and compact design
- > Precise, maintenance-free guidance
- > Quick, space-saving installation
- > Controlled actuation stroke
- > Synchronized contact with electronic boards

