

M0097

Tension Meter Tester Kit

OPERATING INSTRUCTIONS

The **Hydrajaws M0097 Tension Meter** is designed for testing wire ropes used for fall-arrest systems, strain measurement of rigging, guy ropes, tower and mast supports, and checking the security of crimped/swaged end fittings as applied to wire ropes.



Kit Contents

1. M0097 Tester with two anchor points
2. Gauge *
3. Oil replenishment bottle **
4. Robust Carry Case with Filler
5. Operating Instructions

Note:

* Gauges purchased separately

** Due to shipping restrictions to certain countries around the world, bottle may not be shipped with oil. Use light D.T.E hydraulic oil (ISO 32).

OPERATING PROCEDURE

- Attach the tester in line on the system using the 20mm diameter mounting holes at each end.
- Ensure gauge is set at zero.
- Apply load to wire rope system and observe movement of gauge point.
- Continue to increase the load to maximum test requirements.



DO NOT EXCEED MAXIMUM READING ON GAUGE



M0097 Tension Meter Tester Kit

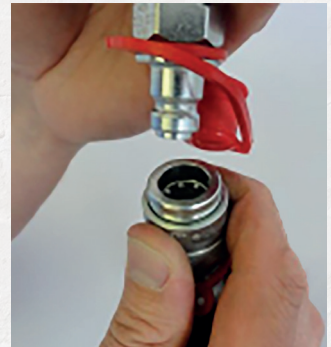
OPERATING INSTRUCTIONS



THE DETACHABLE GAUGE

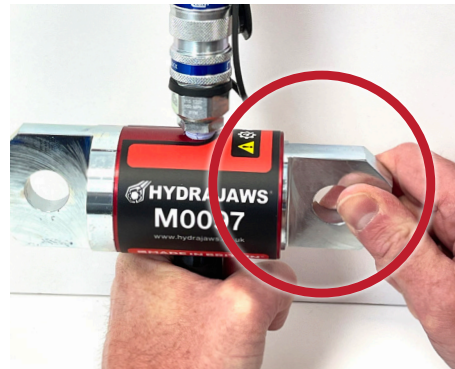
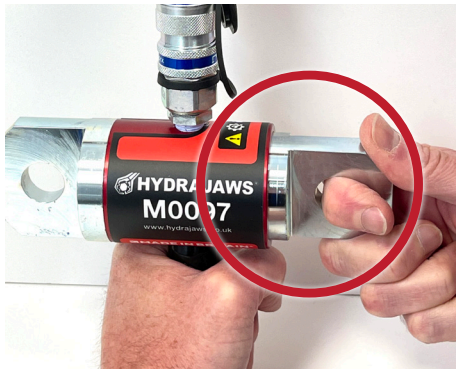
All kits are fitted with a detachable gauge and coupler system

- Tester body is fitted with female quick release hydraulic body coupler.
- Each gauge is fitted with a male quick release hydraulic coupler.
- To fit gauges to the tester body, remove the dust cap from gauge and tester couplers, pull spring loaded ring on the tester coupler backwards and insert male gauge coupler pushing fully home before releasing spring loaded ring.
- To release, hold gauge firmly and pull back spring loaded ring to eject gauge from coupler.



OIL FILLING INSTRUCTIONS (DETACHABLE TENSION METER ASSEMBLY ONLY)

- Connecting and disconnecting gauges from the tester body will eventually use up the spare oil capacity and the empty line will appear adjacent to the red tester body end.
- To replenish the oil level, connect the oil bottle to the body coupler and loosen bottle cap.
- Push and pull the piston a number of times to expel any air.
- Push the piston end back into the tester body which will draw oil in from the bottle.



NOTE: The Model 0097 Tension Meter/Wire Rope Tester is designed to test wire rope cables, however it will require TIRFOR® equipment to produce an external pull force.
Hydrajaws do not sell this apparatus.

