

Torqueleader ISO-A

Axial Torque Calibration Rig

ISO-A Axial Torque Loading Rig is designed to enable testing of torque screwdrivers and other “in-line” torque devices up to a maximum capacity of 30 Nm in accordance with ISO 6789:1992 and BS EN 26789:1994.

It is designed to support the torque device in a horizontal plane, so that angular misalignment and end loading are eliminated. Primarily designed to hold Torqueleader products it can easily be adapted to suit other makes.

A selection of slave and adaptor plates permits the use of Torqueleader ETCA, Norbar and Mountz transducers.

Instructions for use.

1. The ISO-A should be fixed to bench top, with electronic display adjacent to it. Take care not to distort the base frame as this will impede the movement of the sliding carriage. Only use holes shown for fixing.
2. Select the lowest capacity transducer that will cover the range of the tool to be tested, and mount this onto the sliding carriage using the appropriate fixing screws.
3. Connect the transducer to the display and check that the instrument functions in accordance with the maker’s instructions.
4. Adjust the position of the transducer carriage to suit the length of the tool to be tested. With Square/Hexagon of the tool engaged with the transducer, the tool handle should engage into the drive adaptor with the minimum of compression of the spring. This allows for the maximum of travel for the removal/replacement of similar tools, without having to move the transducer carriage.
5. Rotate the tool using the “capstan” handles and record the readings displayed.
6. Adjustments to the torque setting can be made, without removing the tool, by passing the extended length adjusting keys through the hollow drive shaft and engaging with the adjusting screw.