

Torque Wrench Loader TW 1500

The design of the TWL1500 includes features that will provide an accurate and cost effective method for the calibration or testing of torque wrenches.

Designed to suit the majority of torque wrenches available with a torque value between 1 to 1500 N.m, the TWL1500 has been manufactured using quality materials that will provide many years of continuous, trouble-free operation.

The most significant feature of the TWL1500 is its compatibility with our wide range of Flange Mounted, Pro-Test and Smart Torque Block transducers. All fixtures, fastener kits and instructions are supplied allowing for complete flexibility and functionality.



With Pro-Test



TWL1500 shown with Flange Mounted Transducers, TTT and Model 1000 torque wrench

TWL1500 Torque Wrench Loader - Part No. 60246

| Transducer Mounting Position | Transducer Options | Transducer Part No. | Calibrated Range | Torque Wrench | |
|------------------------------------|--------------------|---------------------|------------------|---------------|--------|
| | | | | min | max |
| With FMT Range see main photograph | | | | | |
| Position 1 | FMT10 | 50672.LOG | 0.5-10 N.m | 145mm | 1310mm |
| - | FMT25 | 50673.LOG | 1.25-25 N.m | 145mm | 1310mm |
| Position 2 | FMT150 | 50674.LOG | 7.5-150 N.m | 240mm | 1405mm |
| - | FMT400 | 50675.LOG | 20-400 N.m | 240mm | 1405mm |
| Position 3 | FMT1500 | 50676.LOG | 30-1500 N.m | 336mm | 1500mm |
| With Pro-Test | | | | | |
| Position 1 | Pro-Test 400 | 43219 | 8-400 N.m | 240mm | 1405mm |
| - | Pro-Test 1500 | 43220 | 30-1500 N.m | 240mm | 1405mm |
| Position 2 | Pro-Test 1500 | 43220 | 30-1500 N.m | 336mm | 1500mm |
| With STB | | | | | |
| Position 1 | STB1000 | 50683.LOG | 20-1000 N.m | 240mm | 1405mm |
| Position 2 | STB1000 | 50683.LOG | 20-1000 N.m | 336mm | 1500mm |

Note 1: Min and Max torque wrench lengths are from the square drive to the centre of the handle.

Note 2: Position 1 is closest to the loading carriage and position 3 is furthest away.



With STB1000

Dimensions

Max Width: 753 mm
(inc. handle & instrument tray)

Max Height: 342 mm
(excluding instrument)

Max Length: 1721 mm



ISO 1500



ISO 1500 fitted with Small Reaction Plate, Part No. 20588.

Torque Wrench Loader S 1500 and 2700

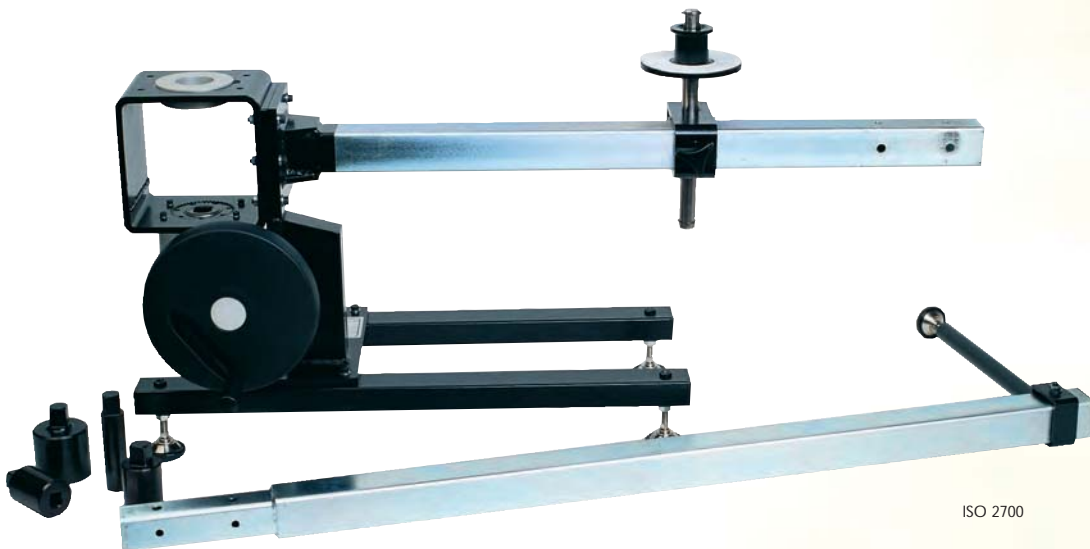
These loaders allow torque wrenches to be calibrated or tested in accordance with ISO 6789:2003, BS EN 26789:2003 and American military standard GGG-W-686. Their function is to take full advantage of the accuracy of Norbar's torque measuring system by reducing operator induced variations in the calibration process.

- The high ratio, 1200:1 (ISO 2700, 1250:1) gearbox allows high torques to be applied, whilst ensuring that the operator does not exceed the rate of increase of torque specified in the standards.
- The design allows for easy interchange of transducers using the Norbar Static Transducer system.
- The ISO 1500 90° facility allows performance of torque wrenches to be checked in two planes. Many wrenches give different torque values according to their orientation in use. Floating reaction point minimises side loads on wrench.
- ISO 2700 reaction extension bar allows wrenches up to 2200mm to be tested. This can be removed to save space. Wrenches up to 1100mm can be tested when the extension bar is not fitted
- Optional Small Reaction Plate (part no. 20588) allows torque wrenches down to 125 mm in length (centre of square to centre of handle) to be tested.
- Motorised version with speed control is available for the ISO 1500. This can be purchased as a kit to motorise an existing ISO or as a complete ISO 1500 Motorised Torque Wrench Loader.

ISO 1500 and 2700 Torque Wrench Loaders

| Part No. | Description | Range | | Torque Wrench Length mm | | Adaptors |
|----------|---|--------|--------|-------------------------|------|-------------------|
| | | N.m | lbf.ft | min | max | |
| 60118 | ISO 1500 with 90° rotation | 1-1500 | 1-1100 | 200 | 1200 | ¼, ⅜, ½, ¾ |
| 60193 | ISO 1500 Motorised Torque Wrench Tester | 1-1500 | 1-1100 | 200 | 1200 | ¼, ⅜, ½, ¾ |
| 60194 | Kit to motorise an ISO 1500 | - | - | - | - | - |
| 20502 | ISO 2700 | 1-2700 | 1-2000 | 200 | 2250 | ¼, ⅜, ½, ¾, 1, 1½ |
| 20588 | Small Reaction Plate | - | - | 125 | 180 | - |

Note: Min and Max torque wrench lengths are from the centre of the square drive to the centre of the handle.



ISO 2700