



TORQUE WRENCH CALIBRATOR - MANUAL



Torque Wrench Calibrator (TWC) 400 N-m Manual

- Enables torque wrench calibration or testing in accordance with ISO 6789-2:2017 if used with T-Box™ 2
- Also in accordance with BS EN 26789:2003, ISO 6789-1:2017
- Counterbalance Reaction system is designed to support the weight of the wrench so that the weight does not become a parasitic force within the calibration system. The floating nature of the support means that the wrench is able to find its own natural level rather than being constrained as in many other loading devices. Any such constraint will be a parasitic force within the system (Patents apply)
- Lightweight alloy construction ensures the TWC is easily transported, making it well suited for mobile laboratory applications

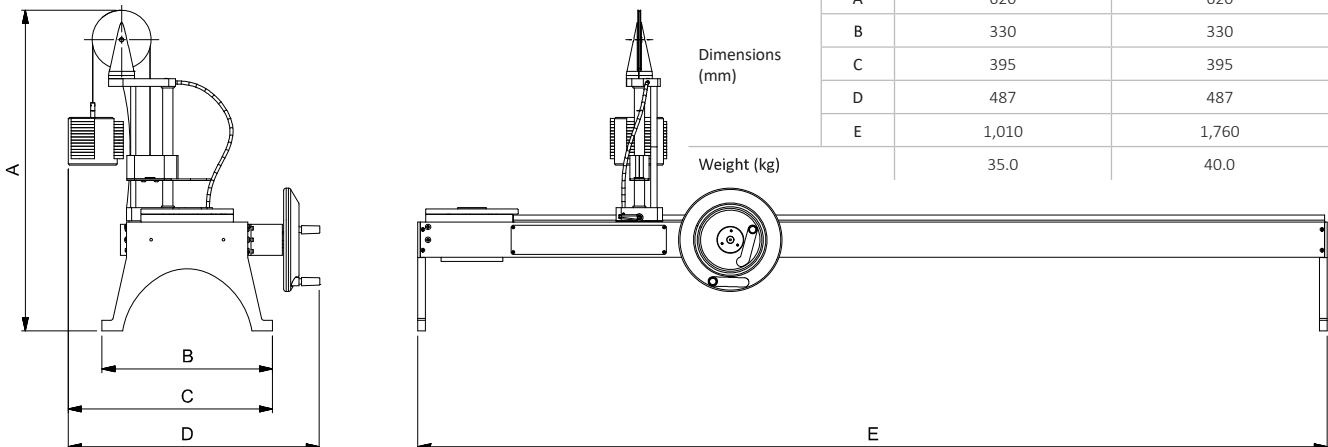
- Two speed gearbox designed for a sufficient balance of speed and control by allowing for both fast loading of the torque wrench and a slower more precise loading
- Works with Flange Mounted Transducers, Static Transducers (when using part number: 60318), T-Box™ 2, TST, TTT and Pro-Test (when using part number: 60323)
- During calibration the TWC maintains a fixed position on the handle of the torque wrench
- Rotating transducer design ensures that the load is applied 90° to the torque wrench handle. The benefit of this precise alignment is that forces are applied squarely to the load point of the handle
- When testing for conformity or calibrating to ISO6789:2017 any transducer must not be used below 5% of its capacity when used with TWC. This statement does not apply to a TWC when used in a accredited laboratory



Torque Wrench Calibrator (TWC) Manual shown with a Flange Mounted Transducer and a Model 100 torque wrench (not included)

4	TORQUE WRENCH CALIBRATOR (TWC)
60331	Torque Wrench Calibrator 400 N-m Manual
60332	Torque Wrench Calibrator 1,500 N-m Manual

Model	TWC 400	TWC 1500
Part Number	60331	60332
Wrench Length (Torque Radius)	Min	135
	Max	750
Dimensions (mm)	A	620
	B	330
	C	395
	D	487
	E	1,010
Weight (kg)	35.0	40.0



Patented in the UK, Germany, France and Italy (EP2864745) and in the USA (US9921122).



TORQUE WRENCH CALIBRATOR - ANCILLARIES

There are a wide range of accessories available for the TWC that will allow the user greater flexibility.

- 60322 Quick Release Kit allows for a more streamlined and efficient calibration laboratory
- 60324 Hexagon Adaptor Kit for use with the TWC Manual allows users to speed up the workflow by implementing their own solution to rapidly manoeuvre the wrench up to the reaction point
- 60330 Offset Angle Plate Kit allows for greater flexibility when calibrating fixed head torque wrenches

8	TWC ANCILLARIES
60318	Static Transducer Support Kit
60319	Short Length Reaction Post
60322*	Quick Release FMT Kit
60323	Pro-Test and Static Torque Block Adaptor Kit
60324	Hexagon Adaptor Kit
60327	FMT 2 to FMT 25 Adaptor Kit
60329	3 kg Mass Weight
60330	Offset Angle Plate Kit
29214	1" Male to 3/4" Female Flanged Square Drive Adaptor
29215	1" Male to 1/2" Female Flanged Square Drive Adaptor
29216	1" Male to 3/8" Female Flanged Square Drive Adaptor
29217	1" Male to 1/4" Female Flanged Square Drive Adaptor

* Kit contains two Quick Release FMT plates



60318 Static Transducer Support Kit and 60319 Short Length Reaction Post



60322 Quick Release FMT Kit



60330 Offset Angle Plate Kit



60323 Pro-Test and Static Torque Block Adaptor Kit



29214 Flanged Square Drive Adaptor



60324 Hexagon Adaptor Kit



60329 3 kg Mass Weight