




ATTACHMENTS & ACCESSORIES




60322 - FMT Quick Release Kit
allowing for a more streamlined
and efficient calibration laboratory




60330 - Offset Angle Plate Kit
allows for greater flexibility
when calibrating fixed head
torque wrenches



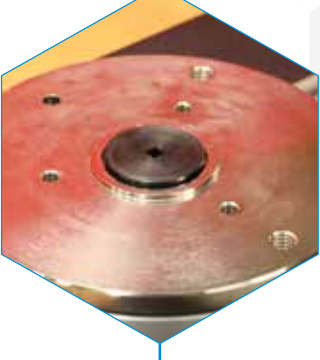
60318 - Static
Transducer
Support Kit
&
* **60319** - Short
Length Reaction
Plate Assembly
to calibrate small
torque wrenches



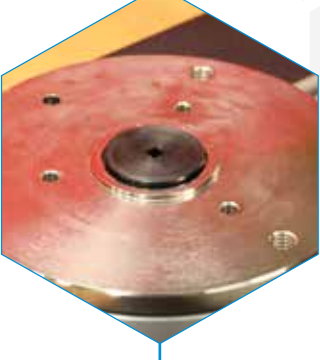
60323 - Pro-Test
and Static Torque
Block Adaptor Kit



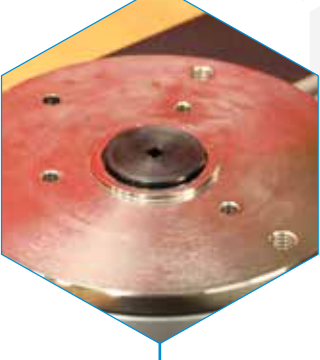
60327 - FMT 25 Adaptor Kit



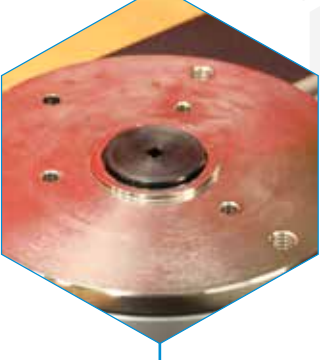
29214 - Square Drive Adaptor
1" Male to ¾" Female Flanged




29215 - Square Drive Adaptor
1" Male to ½" Female Flanged



29216 - Square Drive Adaptor
1" Male to ¾" Female Flanged



29217 - Square Drive Adaptor
1" Male to ¼" Female Flanged



60324 - Hexagon Adaptor
Kit with 22mm hexagon
shaft allows users to
speed up the work-flow
by implementing their
own solution to rapidly
manoeuvre the wrench up
to the reaction point

* When using the Short Length Reaction Plate the wrench will no longer be counter balanced.

GLOBAL SERVICE


Norbar is the only torque equipment manufacturer capable of offering tool and instrument calibration services to the original factory standard on four continents.

Accredited laboratories in Australia, USA, Singapore, China and India operate the same equipment and procedures as the UKAS accredited laboratory within our headquarters in the UK.

 **NORBAR TORQUE TOOLS LTD**
Wildmere Road, Banbury, Oxfordshire, OX16 3JU
UNITED KINGDOM
Tel + 44 (0)1295 753600
Email sales@norbar.com

 **NORBAR TORQUE TOOLS**
45-47 Raglan Avenue, Edwardstown
SA 5039
AUSTRALIA
Tel + 61 (0)8 8292 9777
Email enquiry@norbar.com.au

 **NORBAR TORQUE TOOLS INC**
36400 Biltmore Place, Willoughby
Ohio 44094
USA
Tel + 1 866 667 2272
Email inquiry@norbar.us

 **NORBAR TORQUE TOOLS PTE LTD**
194 Pandan Loop, #07-20 Pantech Business Hub
SINGAPORE 128383
Tel + 65 6841 1371
Email enquires@norbar.sg

 **NORBAR TORQUE TOOLS (SHANGHAI) LTD**
91 Building- 7F, No. 1122, North Qinzhou Road,
Xuhui District, Shanghai
CHINA 201103
Tel + 86 21 6145 0368
Email sales@norbar.com.cn

 **NORBAR TORQUE TOOLS INDIA PVT. LTD**
Plot No A – 168 Khairne Industrial Area
Thane Belapur Road
Mahape Navi Mumbai – 400 709
INDIA
Tel + 91 22 2778 8480
Email enquiry@norbar.in


www.norbar.com



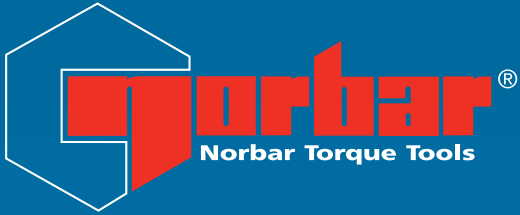
NORBAR PRODUCT PORTFOLIO

-  Torque Screwdrivers
-  Torque Wrenches
-  Electronic Torque Wrenches
-  Manual Torque Multipliers
-  Pneumatic Torque Tools
-  Electronic Torque Tools
-  Torque Measurement Instruments
-  Torque Transducers
-  Ultrasonic Bolt Measurement
-  Calibration Services

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NEW



TORQUE WRENCH CALIBRATOR

ENABLING TORQUE WRENCH TESTING AND
CALIBRATION IN ACCORDANCE WITH ISO 6789-1:2017
AND ISO 6789-2:2017



THE TORQUE WRENCH CALIBRATOR (TWC) ENABLES TORQUE WRENCH TESTING AND CALIBRATION IN ACCORDANCE WITH ISO 6789-1:2017 AND ISO 6789-2:2017

Compatible transducers include Flange Mounted Transducers, Static Transducers (when using part number: 60318) and Pro-Test (when using part number: 60323)

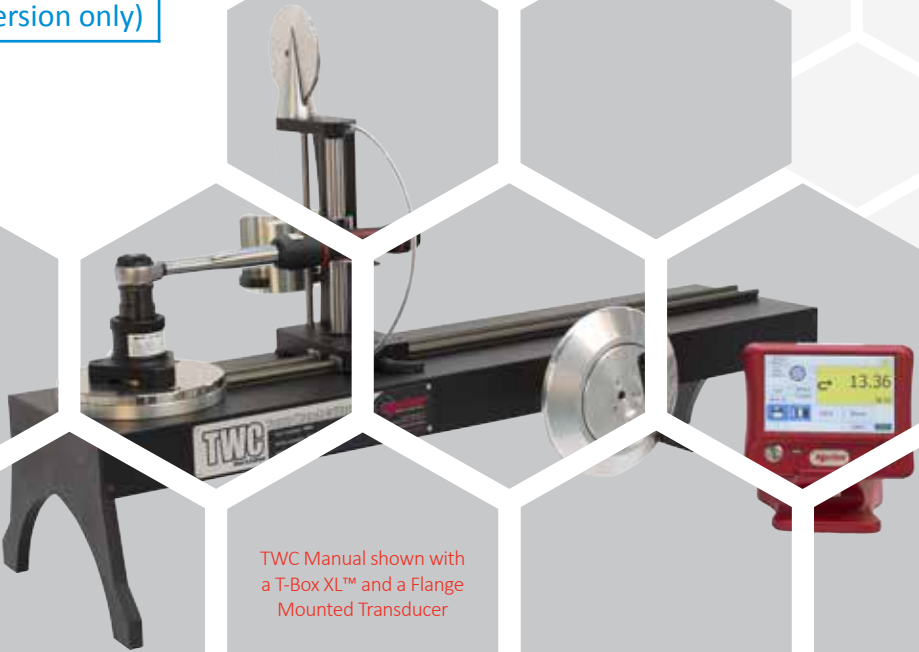
Counterbalance reaction is designed to support the weight of the wrench so that the weight does not become a parasitic force within the calibration system. The floating nature of the support means that the wrench is able to find its own natural level rather than being constrained as in many other loading 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

Can produce certification to ISO 6789-2:2017 when used with T-Box XL™ software version 3.0.0.X and TDMS version 4.0.X

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

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 (Manual version only)



TWC Manual shown with a T-Box XL™ and a Flange Mounted Transducer



KEY ADDITIONAL FEATURES FOR AUTO VERSION

- Supplied with a powerful yet simple touchscreen User Interface (UI) (keyboard and mouse also supported if desired)
- Flexible tool template system; minimises number of templates required to cover a wide range of tools, aiding efficient use
- Programmable calibration workflow for each template, can be pre-set to ISO compliant flow for the given tool for a faster set-up or can also support bespoke workflows
- Calibration job management; book calibrations, track progress of previous bookings and resume them
- Automated management of calibration and conformance workflows for non-indicating tools
- Intelligent rate control system ensures fast cycling of tools while maintaining compliance with 2017 standards
- Environmental monitoring (humidity/temperature) to ensure compliance with calibration standards
- Automated management of uncertainty data for ISO 6789-2:2017 calibrations, guiding the user through the process using dynamically generated instructions based on the current tool's ISO classification and workflow
- Inbuilt data analysis and certification generation seamlessly move from calibration/conformance procedure to certificate generation, no third-party software required
- A substantial amount of inbuilt storage allowing for several years' worth of calibration data through normal use



Main menu



Tool template editor



Calibration job booking / editor



Tool cycling and adjustment



Tool cycling and adjustment whilst in operation

TECHNICAL SPECIFICATION		MANUAL		AUTO	
		400 N·m 295 lbf·ft	1500 N·m 1100 lbf·ft	400 N·m 295 lbf·ft	1500 N·m 1100 lbf·ft
Part Number		60331	60332	60312	60313
Wrench Length (Torque Radius)	Min	135	135	135	135
	Max	750	1500	750	1500
Dimensions	A	620	620	620	620
	B	330	330	330	330
	C	395	395	395	395
	D	487	487	N/A	N/A
	E	1010	1760	1019	1769
Weight (kg)		35	40	40	45

