

CALIBRATION SYSTEMS

RAD Transducer series

Torque range: 100 - 24.400 Nm

The accuracy and the repeatability of RAD Calibration benches have earned them an excellent reputation in calibration laboratories around the world. The RAD Tube Style Calibration System was specially designed to calibrate RAD (and similar) torque wrenches. With the Tube Style bench design RAD was able to further reduce torque deflection, therefore increasing the accuracy of the torque reading. The specially designed reaction arm slot allows for much faster calibration of tools.

The system is available in five sizes which can be equipped with two transducer sizes depending on the required torque. The calibration values can be read directly from the transducer screen. In addition, the calibration values can be read and stored by linking the RAD transducer to the supplied tablet using the RAD calibration software.

The RAD Calibration System consists of the Tube Style bench, the transducer, the simulation joint, impact sockets and a preinstalled laptop with the requisite RAD calibration software.

The small calibration systems include:

- RAD Transducer
- Tube Style bench
- Simulation joint
- Washers
- Impact socket
- Pre-installed Windows laptop
- ISO 17025 accredited calibration certificate

The large calibration systems include:

- RAD Smart Socket™ 100 mm / 24.400 Nm
- Tube Style bench
- Simulation joint
- Washers
- Optional pre-installed Windows laptop
- ISO 17025 accredited calibration certificate



Prod.No.	Model ft.lbs / Nm	Drive size	Torque range	Weight	Dim. L	Dim. H	Dim. W
23442	RAD 1500/2000 CALIBRATION SYSTEM	1"	100 - 2.000 Nm	13,6 Kg	247 mm	138 mm	281 mm
23443	RAD 3500/4750 CALIBRATION SYSTEM	1"	250 - 4.750 Nm	28,9 Kg	368 mm	177 mm	332 mm
23444	RAD 7000/9500 CALIBRATION SYSTEM	1½"	475 - 9.500 Nm	29,3 Kg	368 mm	177 mm	332 mm
30526	RAD 12K/16K CALIBRATION SYSTEM	1½"	800 - 16.200 Nm	106,5 Kg	383 mm	270 mm	501 mm
33736	RAD 18K/24K CALIBRATION SYSTEM*	2½"	1200 - 24.400 Nm	106,5 Kg	383 mm	270 mm	501 mm

*Must be used with a deep reaction arm.

FEATURES:

- Torque range up to 24.400 Nm
- Fully traceable calibration system, with recognized ISO 17025 calibration certificate
- Screen on transducer / Smart Socket™ makes it easy to read calibration value



Large calibration system



Small calibration system

Mobile Calibration System (MCS) EXCLUSIVE

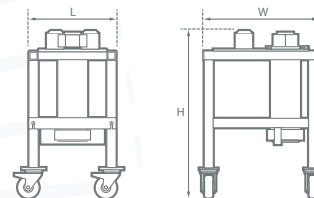
Torque range: 4.000 - 16.200 Nm

For larger capacity torque tools, Radial can provide the MCS calibration bench; This mobile calibration system utilizes standard M72 bolts and the ISO 17025 certified RAD Smart Socket™. With the vertical tool position and the use of standard bolts, this calibration setup closely mimics real-life field applications, such as wind tower flange connections. It features excellent ergonomics due to its vertical calibration position and is highly mobile, thanks to its four castor wheels. In addition to calibrating continuous rotation tools, the MCS is also suitable for static calibrations with a torque range of 1.100 Nm up to 16.200 Nm.



The Mobile Calibration System include:

- Bench with bolt set and castor wheels
- RAD Smart Socket™ 110 mm / 16.200 Nm
- 2 additional M72 bolts, washer and nuts
- 1 additional wear plate
- Molykote grease
- Calibration certificate of transducer
- Pre-installed Android tablet
- Including calibration or verification software templates



Prod.No.	Model ft.lbs / Nm	Torque range	Weight	Dim. L	Dim. H	Dim. W
301100	RTT® 12K/16K Mobile Calibration System	4.000 - 16.200 Nm	120 Kg	384	743	504

FEATURES:

- Torque range up to 16.200 Nm
- Fully traceable calibration system, with recognized ISO 17025 calibration certificate

