

TTi Wrench

Models 20 N.m and 50 N.m (180 lbf.in and 35 lbf.ft)

Durability has been a primary development goal – both in terms of the lifetime of components and longevity of calibration accuracy. Cycle testing of wrenches at full torque was a key element of the development process and, in total, several million tightening cycles were accumulated. The result is a product that you can use with complete confidence that you have the best tool for the job.

- Accuracy: $\pm 3\%$ of reading exceeds all international standards for torque wrenches. Each wrench is supplied with a traceable calibration certificate.
- Micrometer scale for simple and error free setting. (On dual scale wrenches, the micrometer increment applies to the N.m scale.)
- Quick and light adjustment: adjustment over the entire scale can be achieved with minimal effort in approximately ten complete turns (exact number varies by model).
- Adjustment lock: all models feature a lock to prevent accidental adjustment of the set torque.
- Comfortable, durable handle: the handle is constructed using two materials: a base material for strength overlaid with a soft feel grip for comfort and slip resistance. The handle material and lens resist chemicals in common usage in the automotive, aviation and industrial environments.
- Versatile ratchets: the tough ratchets are reversible and have a narrow engagement angle of 5° to allow easy positioning of the tool in the tight confines of today's vehicles and machines.
- Can also be supplied as Fixed Head (TTf) and Female ended Torque Handles (TTfth), for further details see page 15.



Norbar Non-Magnetic torque wrenches are designed primarily for the medical MRI scanner market. However, they will prove invaluable where ever a torque wrench has to be used in the presence of a strong magnetic field. There are currently four models:

- 1 - 20 N.m, 3/8" sq. dr: Part No. 13292
- 1 - 20 N.m, 1/2" sq. dr: Part No. 13585
- 8 - 50 N.m, 3/8" sq. dr: Part No. 13294
- 8 - 50 N.m, 1/2" sq. dr: Part No. 13295



Ratchet Adjustables - Dual Scale

Model	Square Drive	Part No.	Range		Resolution	Ratchet Diameter	Engagements per revolution	Length	Weight
	in		N.m	lbf.ft	N.m	mm		mm	Kg
TTi20	3/8"	13285	1 – 20	10 – 180*	0.05	30	72	230	0.4
TTi20	1/2"	13640	1 – 20	10 – 180*	0.05	30	72	230	0.4
TTi50	3/8"	13658	8 – 50	6 – 35	0.1	30	72	329	0.6
TTi50	1/2"	13659	8 – 50	6 – 35	0.1	30	72	329	0.6

* lbf.in N.m only and lbf.ft only versions are available, contact Norbar for details.