

The EvoTorque®2 is an electronic torque tool designed to accurately apply torque to threaded fasteners. Tools are factory calibrated to $\pm 3\%$ of reading.

The unique 'intelligent joint sensing' technology continually measures the joint during tightening and when necessary, employs dynamic braking to avoid torque over-shoot due to motor inertia. Consequently, EvoTorque®2 can apply torque accurately over a wide range of joint rates from hard (high torque rate) through to soft (low torque rate).

All EvoTorque®2 tools are highly tolerant of supply voltage and frequency variation. If the supply voltage is outside of tolerance then, as a safety feature, the tool will be prevented from starting.

The EvoTorque®2 has the ability to memorize multiple targets, work IDs, user IDs and readings. A work sequence (flow) can be performed on the EvoTorque®2, taking the user through a pre-defined tightening sequence. The tool has four modes of operation: Torque, Torque & Angle, Torque & Angle with Final Torque and Torque Audit. The unique Audit Mode is a sophisticated feature for testing pre-tightened bolts with minimal impact on the original fastening torque and can provide quality control data for monitoring joint performance over time. EvoTorque®2 builds on the original tool with these additional features:

- Multiple units of torque measurement, Nm, lbf.ft, ft.lb and kgf.m
- Calibrated from 20% to 100% of tool range
- Torque, Torque & Angle and Torque Audit modes available
- In Torque & Angle Mode and Audit Mode, torque can be set from 10% of tool maximum
- Display and on-board storage of final torque or torque and angle values
- Memory capacity for 3,000 readings, time and date stamped
- Clear indication of successful joint application
- USB and Bluetooth®
- Complementary PC software 'EvoLog' for data management and tool configuration
- 12 user IDs can be downloaded to the tool and results can be stored against individual users
- 20 unique stand-alone targets plus 20 unique work group targets for each work group
- Results can be output in CSV (comma-separated values) format for users not able to use EvoLog
- Ability to produce and store real time graphs via EvoLog
- Torque & Angle with Final Torque
- 'Usage' counter gives the ability to see the amount of times the tool has been used since the last reset
- 'Operation Direction' feature designed primarily for undoing bolts. When doing sequence tightening, it is now possible to undo an incorrectly tightened bolt without interrupting the sequence
- Two stage tightening gives faster application of a Snug Torque & Angle Target
- 'Turn Angle' option can be used to check if bolts have already been tightened in an assembly process
- Tool can be integrated into third party control systems
- Two different lock levels, lock level 1 as per previous lock, lock level 2 will not allow user to exit the run screen or change the target
- Maximum Audit Mode target angle of 720°
- Supplied with a traceable calibration certificate for torque and angle as standard. Calibrated from 20% to 100% of tools maximum torque capacity

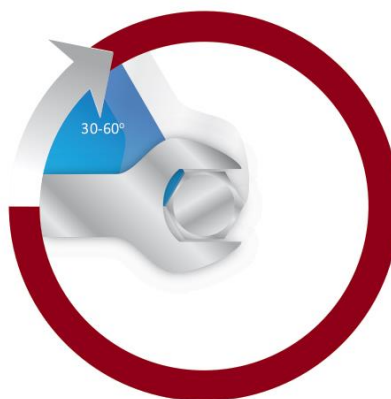




EvoTorque®2's intelligent joint sensing technology always detects which type of bolt you are working with.

Hard joints

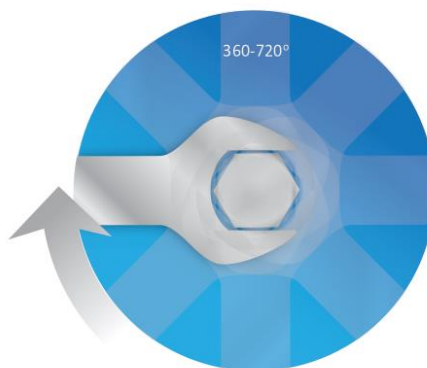
(High Torque Rate*)



Joints completed within the range 30° - 60°

Soft joints

(Low Torque Rate*)



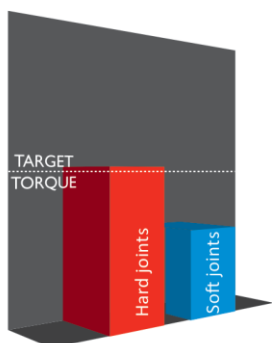
Joints completed within the range 360° - 720°

*High torque rate and low torque rate as defined by ISO 5393 'Rotary tools for threaded fasteners- Performance test method'

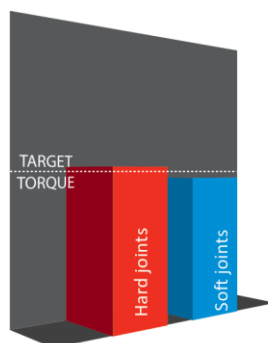
The EvoTorque®2 has been designed to complete joints of 30° and above to within the tools ±3% accuracy. For joints below 30° use the tools audit mode feature.

Traditional electronic torque tools give vastly different results depending on the joint type. Norbar's 'intelligent joint sensing' technology eliminates these issues so that you can be confident in your bolting work.

Typical of present generation



New generation EvoTorque®2



The EvoTorque®2 is supplied in a cardboard box as standard, if a sturdier case is required VASI can provide a PeliCase at an additional charge.

P/N	Ratchet Adjustable – Dual Scale
180220.B06	ET2-72-1000-230, 3/4" sq. dr., 200 - 1,000 Nm
180221.B06	ET2-72-1350-230, 3/4" sq. dr., 270 - 1,350 Nm
180222.B08	ET2-72-2000-230, 1" sq. dr., 400 - 2,000 Nm
180229.B08	ET2-80-2700-230, 1" sq. dr., 540 - 2,700 Nm
180228.B08	ET2-92-4000-230, 1" sq. dr., 800 - 4,000 Nm
180226.B12	ET2-119-7000-230, 1 1/4" sq. dr., 1,400 - 7,000 Nm

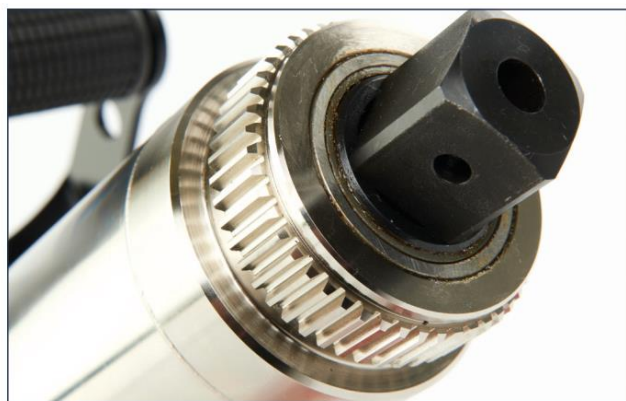


Standard Box



Optional Peli Case

All EvoTorque®2 are supplied with 230V power as default. All models can be delivered with 110V if required.



Model	ET-72-1000 ET-72-1350	ET2-72-2000	ET2-80-2700	ET2-92-4000	ET2-119-7000
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Part Number	180220.B06 180221.B06	180222.B08	180229.B08	180228.B08	180226.B12	
Output Speed (rpm)	21 (ET-72-1000) 17 (ET-72-1350)	11	10	6	3.3	
Dimensions (mm)	∅D max.	72	72	80	92	119
	H1	45	45	45	45	45
	H2	317	317	317	317	317
	H3	109	109	109	109	109
	L	366	407	363	417	440
	R1	71	76	76	70	90
	R2 min.	124	124	124	125	162
R2 max.	167	167	167	175	210	
Tool Weight (kg)	10.4	10.8	10.8	12.9	16.8	
Reaction Weight (kg)	1.5	1.5	1.5	2.6	3.9	

