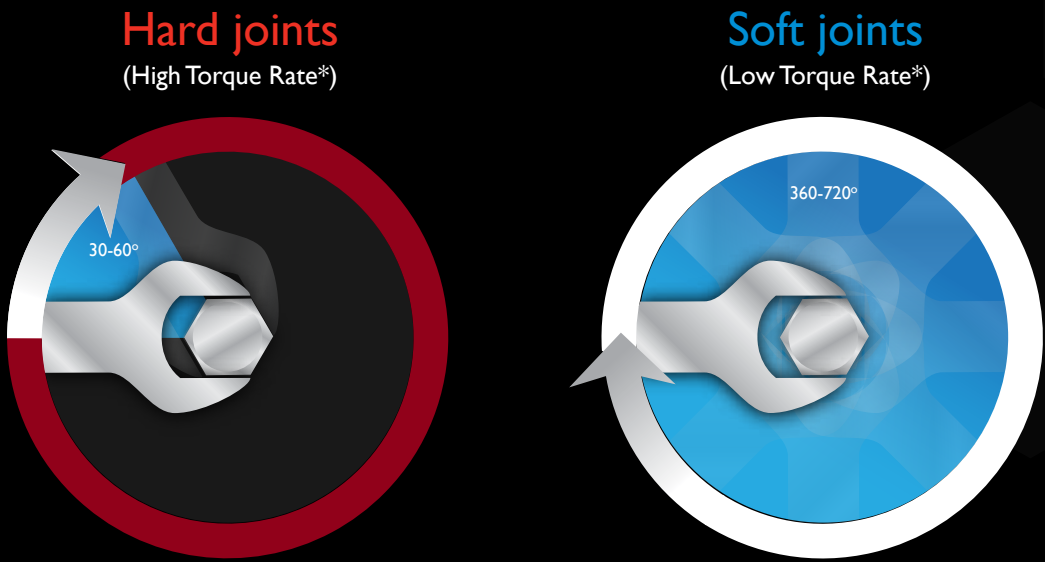


EVERY JOINT IS DIFFERENT.
EVOTORQUE'S INTELLIGENT JOINT SENSING
TECHNOLOGY ALWAYS DETECTS WHICH TYPE
OF BOLT YOU ARE WORKING WITH.

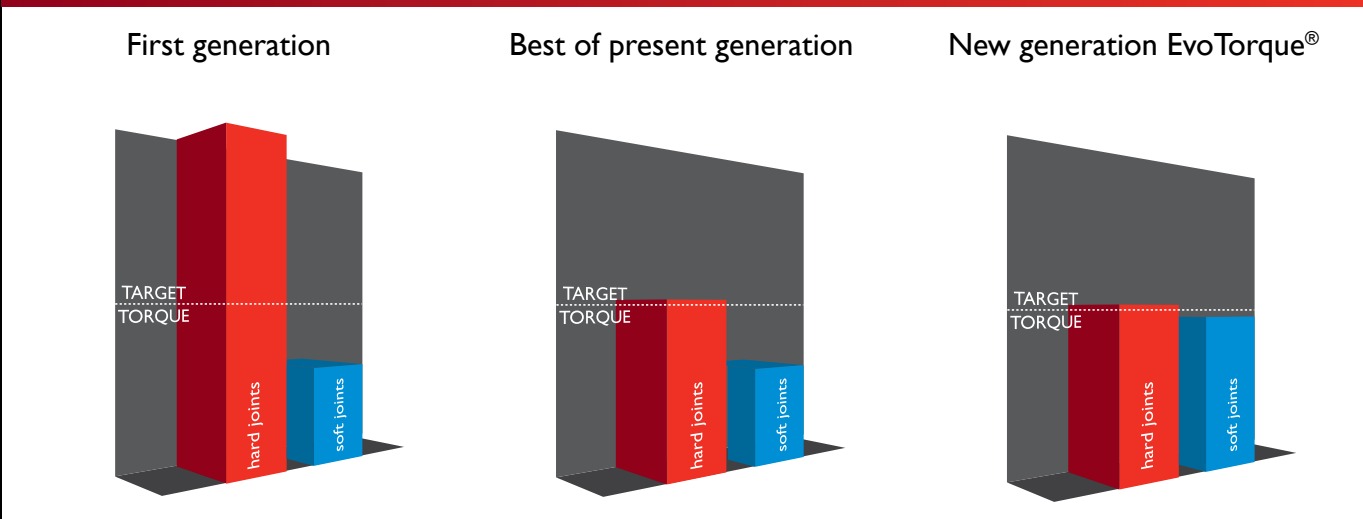
Traditional electronic torque tools give vastly different results depending on the joint type. Norbar's intelligent joint sensing eliminates these issues so that you can be confident in your bolting work.



Hard joints: Joints completed within the range 30-60 degrees
Soft joints: Joints completed within the range 360-720 degrees

*High torque rate and low torque rate as defined by ISO5393 "Rotary tools for threaded fasteners - Performance test method"

ACCURACY OF ELECTRONIC TORQUE TOOLS



GLOBAL SERVICE

Norbar is the only torque equipment manufacturer capable of offering tool and instrument recalibration services to the original factory standard on four continents. Our accredited laboratories in Australia, USA and Singapore operate the same equipment and procedures as the UKAS accredited laboratory within our headquarters in the UK. A further Norbar laboratory is in operation in China and our laboratory in India opens in 2014.

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NEW



EVOTORQUE®
ELECTRONIC TORQUE TOOL WITH
INTELLIGENT JOINT SENSING TECHNOLOGY



Norbar's ElectronicTorque Tool utilises patent pending motor technology and control software to give unprecedented joint control.

Norbar's ElectronicTorque Tool utilises patent pending motor technology and control software to give unprecedented joint control.



Compatible reactions
spline arrangement is
identical to corresponding
PneuTorque®

Tried and tested gearbox
reliable, proven over
more than a decade on
the Pneumatic Torque
Multiplier platform

Low maintenance
due to brushless motor

The EvoTorque tool performs to IP44
Please refer to the table on the top right hand page for an explanation of IP ratings.

On-board control box
making the tool more
portable and convenient

KEY FEATURES

Accuracy: Each tool is factory calibrated to $\pm 3\%$

Clear-Go/No-Go Joint Completion Feature: Clear indication of successful joint application. Operator can confidently interpret the tool, making it safer to use

Quietness & Low Vibration: Third party verified sound power (Lwa) of 72.3 dB (A) and vibration level of 0.304 m/s²

Patent Pending Motor Technology and Motor Control Software: Gives unprecedented joint control

Modular Construction: Less downtime in case of maintenance

Dual Units of Torque Measurement: Torque can be set in N·m or lbf·ft

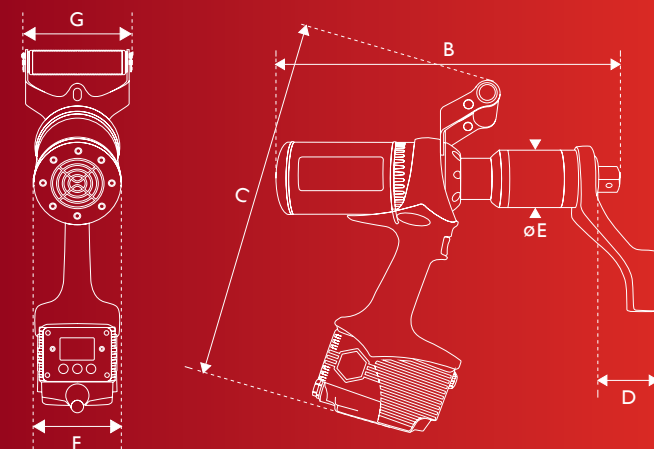
Temperature Independent Motor: The motor will continue to deliver correct torque regardless of temperature changes unlike permanent magnet motors

Angle Control: EvoTorque allows precise angle to be applied. Every tool is calibrated for angle and the results are included on the certificate of calibration

Regenerating Braking Technology: Kinetic braking to avoid overshoot on hard joints

Made in England: Designed and manufactured in the UK

TECHNICAL SPECIFICATION



Please refer to the table on the right for EvoTorque dimensions

[illegible]

CALIBRATION CERTIFICATE

Every tool is individually calibrated and is provided with a unique calibration certificate. This means that every EvoTorque is traceable to international standards via Norbar's UKAS accredited laboratory and therefore provides a seamless link with your internal quality systems.

IP RATINGS EXPLAINED

The first digit indicates the level of protection that the enclosure provides against access to hazardous parts (e.g. electrical conductors, moving parts) and the ingress of solid foreign objects.

The second digit indicates the level of protection that the enclosure provides against harmful ingress of water:

IP44

SOLID PARTICLE PROTECTION		LIQUID INGRESS PROTECTION	
Level	Object size protected against	Level	Object size protected against
0	No protection	0	No protection
1	>50mm	1	Dripping water
2	>12.5mm	2	Dripping water when tilted up to 15°
3	>2.5mm	3	Spraying water
4	>1mm	4	Splashing of water
5	Dust protected	5	Water jets
6	Dust tight	6	Powerful water jets
		7	Immersion up to 1m
		8	Immersion beyond 1m

- 1 Torque tool model and serial number
- 2 Torque calibration data
- 3 Angle calibration data
- 4 Details of the test equipment and calibration certificate number. This information provides traceability to our UKAS accredited laboratory and hence to International Standards.

