

EvoTorque®2 from Norbar

The latest innovation in electric torque tool technology has now achieved Network Rail Acceptance (PA05/06632) and is available exclusively from Worlifts.

The Norbar EvoTorque2 builds on the capabilities, features and benefits of the original EvoTorque and now includes:

- Full Data Logging
- Audit Mode

Traditionally, the rail industry has employed various methods of applying torque to threaded bolts, these include manual torque wrenches, manual torque multipliers, mobile petrol wrenches and large on-rail mounted wrenches, the latter two, producing questionable torque accuracy. The majority of these products can cause fatigue to the user, particularly when multiple joints are being assembled, as well as problems with HAVS and possible injury.

The EvoTorque uses unique “Intelligent Joint Sensing” technology to deliver accurate torque to $\pm 3\%$ of reading, a low vibration level of 0.304m/s^2 and sound that does not exceed 72.3 dB(A) . Each model is controlled by a colour OLED display which is clearly visible even in poor lighting conditions.

Where can the EvoTorque be used.

The tool can be used on any threaded joints, providing torque capabilities from $200\text{N}\cdot\text{m}$ to $6000\text{N}\cdot\text{m}$. Popular applications include:

- Fishplate Bolts
- Points & Crossing Assembling
- OHL Structures
- Bridge Building & Maintenance
- Maintenance of rolling stock

Traceability and Control

Every torque value that the EvoTorque2 applies can be recorded with:

- Corresponding date and time stamp (up to 3000 readings)
- 12 user IDs, torque results stored against individual users
- 5 work groups

The above allows auditable information on a specific bolt on a single structure and even all the structures / fishplate bolts in a specific area.

All results can be downloaded to a PC either by USB cable or transferred wirelessly via Bluetooth® Smart and can be reviewed using the complementary software “EvoLog”. Results can also be output in CSV format for users not using the Evolog programme.

The new Audit mode facilitates the checking of existing pre-tightened bolts. During this process, information can be obtained to check if the bolt was previously under-torqued and what change has occurred, before retightening the joint to the correct torque.

Network Rail EvoTorque Range

All models are 110v and are rated at IP44

The range of models available under the Acceptance are:

ET2-72-1000-110	Part Number 180230.B06.NWR 200 to 1000Nm
ET2-72-13350-110	Part Number 180231.B06.NWR 270 to 1350Nm
ET2-72-2000-110	Part Number 180232.B06.NWR 400 to 2000Nm
ET2-92-2700-110	Part Number 180233.B08.NWR 540 to 2700Nm
ET2-92-4000-110	Part Number 180234.B06.NWR 800 to 4000Nm

Worlifts are the only official supplier to the UK Rail Industry and can provide demonstrations and a full back up service, including servicing and calibrations on a nationwide basis.

Should you require further information contact Worlifts on 0121 460 1113 or rail@worlifts.co.uk