Jupiter Torque Tool
Class 1-4

The Jupiter Subsea Intelligent Torque Tool Class 1-4 Rotary Docking interfaces with subsea production systems, including project specific interfaces where only the end effector socket is different, and is capable of producing torque up to 2,711N.m (2,000 lbf-ft)

The tool comprises a hydraulic motor, planetary gear box and sprung loaded, nested, multi-class sockets. The tool also provides torque feed-back, turns count, torque range sensing & visual indication of motor turns.

Specifications

Product	Jupiter Torque Tool Class1-4 Rotary Docking (API 17D) Torque Too
Country of origin	UK
Manufacturer	Zetechtics Ltd

The tool is designed to allow seamless integration with Zetechtics manufactured Jupiter Subsea Control System, however the tool is capable of operating with other systems with suitable hydraulic and electrical interfaces

When used with a Jupiter 2 Subsea Control System, with the correct software version and configuration, it is possible to determine direction of rotation from the internal quadrature sensors. This is encoded on the single turns count output using Zetechtics' proprietary turns count electrical interface, together with gear box status.

Specifications

Maximum working depth	3000 meter
Maximum working speed	5RPM (High torque gear) 25RPM (Low torque gear)
Maximum working torque	Low Torque Gear: 500 N·m (369 lbf-ft) High Torque Gear: 2,711N.m (2,000 lbf-ft)
Dimensions	568 x 226 x 231mm
Weight	37.1kg (inc. hydraulic fittings and comp oil)
Material	Anodised Aluminium, 316 Stainless Steel with Steel Motor
Electrical interface:	Burton 55 Series 1508

Features & Benefits

- Standard interface: class 1-4 rotary docking Interfaces to bs en iso 13628-8:2006 with a range Of sockets up to 38.1mm (1.5") square stem class4
- Provides torque feedback, output turns count, optional docking latches and a visual indication of motor turns
- Seamless integration with zetechtics manufactured Jupiter subsea control systems
- Capable of operating with other systems with suitable hydraulic and electrical interfaces
- Maximum working torque: 2,711n.M (2,000lbf-ft)
- Maximum working speed: 25 rpm (low gear)
- Hydraulic: max. Motor supply: 160 bar (2320 psi) (recommended)
- For technical specification and correct operational procedures, please refer to manual