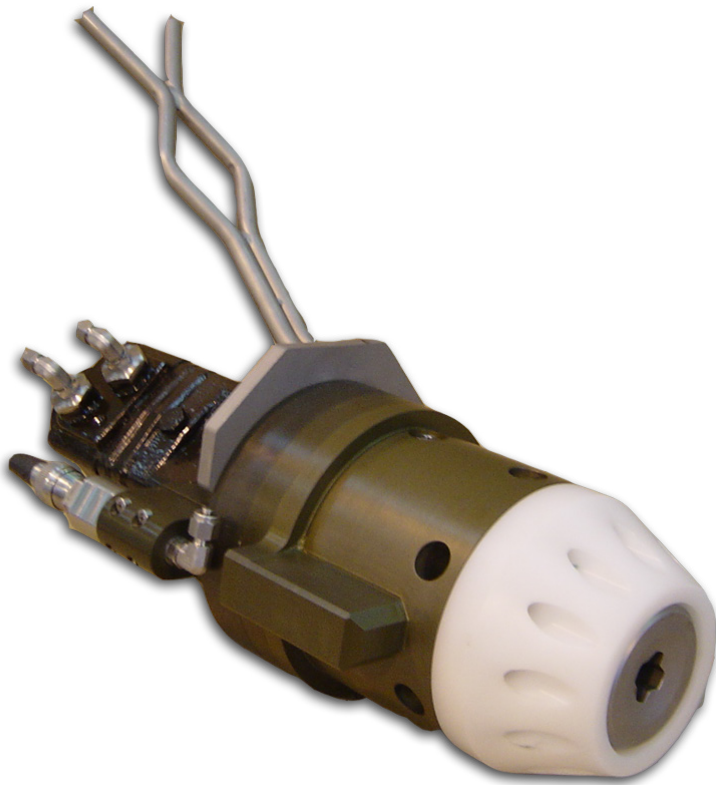


ISO 13628-8 Class 1 -2 Utility Torque Tool.



DESCRIPTION

This torque tool has been specifically developed to provide the highest level of performance. It has integral torque and turns counting sensors. When matched with a FORUM supplied torque tool control manifold, it can provide precise feedback on torque response of any subsea operation. These can alternatively be utilised by connecting a FORUM Universal Subsea Display, which would give a visual read-out of live torque feedback and turns count. USD sold separately.

The tool conforms to the ISO 13628-8 Fig 18 Class 1 and 2 bucket interface used extensively in the subsea industry for valve overrides operated by ROV. The tool can also be supplied with a socket to operate paddle and t-bar style interfaces to ISO 13628-8 Fig.13 (a), (b), (c).

The sensor section directly measures the torque between the reaction lugs of the tool and the driven shaft. The sensor is a strain gauge bridge optimized for torsion measurement. When the tool is fitted with the paddle type socket, the torque reaction is taken through the manipulator handle but still measured by the sensor.

FEATURES

ISO 13628-8 Fig 18 (API 17D) Class 1 & 2

Max Torque 160Nm (120 ft lbs)

Dual Sensor Electronic Turns Counter

Internal Strain Gauge

Supplied in offshore suitable transit case

ISO 13628-8 Class 1 -2 Utility

Torque Tool.

SPECIFICATIONS

| | |
|------------------------|---|
| Torque Interface: | ISO 13628-8:2001 (E) Fig 18 & Fig 13 |
| Torque Range: | 30-160 Nm (22-120 ft lbs) |
| Typical Repeatability: | +/- 6% (geroter variation at full load) |
| Socket Sizes: | 1 1/16" Sq Class 1 & 2 Socket Paddler/T-bar to ISO fig 13 Socket |
| Weight (Air/Water): | 26/18kg |
| Electrical Connector: | 8 Pin Burton |
| Sensors: | Dual Sensor Inductive Turns count sensor Internal Strain Gauge |
| Hydraulic: | Mineral Oil |

WHAT'S IN THE BOX

- Torque Tool
- Class 1 & 2 Socket
- Paddler/T-bar Socket
- Bladder style compensator
- Fish Tail Handle
- Operations & Maintenance Manual.

PART NUMBERS & OPTIONS

| | |
|---------------------|--|
| A019-151-102 | Class 1 & 2 Tool with Torque and Turns Feedback |
| A019-151-102/spares | Class 1 & 2 Tool with Torque and turns Feedback spares kit |
| A019-958-152/2 | Surface Verification Unit. |
| A019-958-601 | Subsea Verification Unit. |
| A286-001-050/04 | Torque Tool Control System. |
| A019-901-102 | 3 Stage Manifold. (Use instead of TTCS). |
| A019-151-251 | 17H (High Torque) Nose Adapter. |
| A019-904-400/01 | Subsea Torque and Turns Display |
| A019-151-002 | Class 1 & 2 Tool with no Feedback |
| A019-151-002/RS | Remote Spares Kit for Non feedback tool. |

