



Class 1, 2 & LT Torque Tool

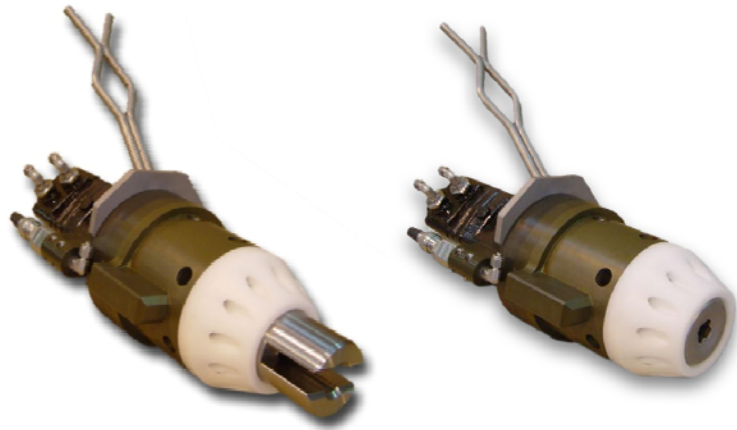
This torque tool has been specifically developed to provide the highest level of performance. It has integral torque and turns counting sensors for closed loop control. When matched with a PSS supplied torque tool control manifold, it can provide precise feedback on torque response of any subsea operation.

The tool conforms to the ISO 13628-8 Fig 18 class 1 and 2 bucket style 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 Class 1 and 2
- Paddle/T-Bar Interface
- 120 ft lbs/160Nm
- Torque Feedback



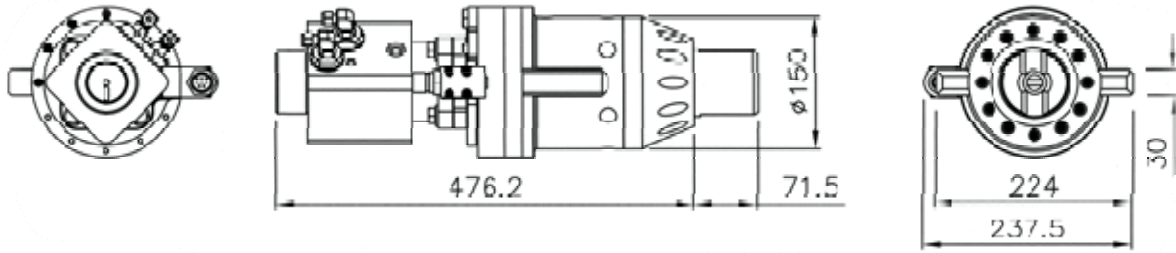
Specifications

Standard 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
Maximum Torque:	160 Nm @ 140 bar (120 ft lbs @ 2000 psi)
Sensor Range:	2000 Nm
Weight:	26 kg in air / 18 kg in water
Hydraulic:	Mineral Oil
Materials:	Steel Motor and Gearbox, Duplex Socket Aluminium Housing, Acetal Nose
Electrical:	8 Pin Connector-Speed and Torque Feedback

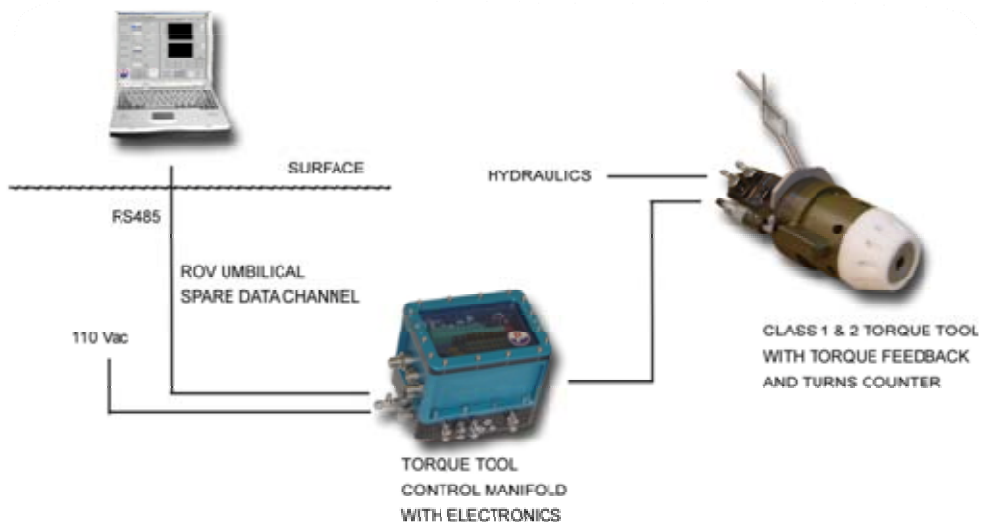
What's in the box

- A019-151-102**
- Torque Tool
 - Class 1 & 2 Socket
 - Paddle/T-bar Socket
 - Bladder style compensator
 - Fish Tail Handle
 - Manual

Dimensions



Torque Tool & Control Systems Configuration



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
TX00105-100-00	Surface Verification Unit.
TL0011-0000-00	Subsea Verification Unit.
A286-001-050/04	Torque Tool Control System.
A019-901-102	3 Stage Manifold. (Use instead of Torque Tool Control System).
A019-959-251	17H (High Torque) Nose Adapter.

Data Sheet: A001-350-030 issue 10

The specification details are illustrative for marketing purposes only. Actual equipment may be different as a result of product improvement or other reasons. Specific interface and performance information should be reconfirmed at time of order placement.