



ISO Class 1-4 Torque Tool Heavy Duty

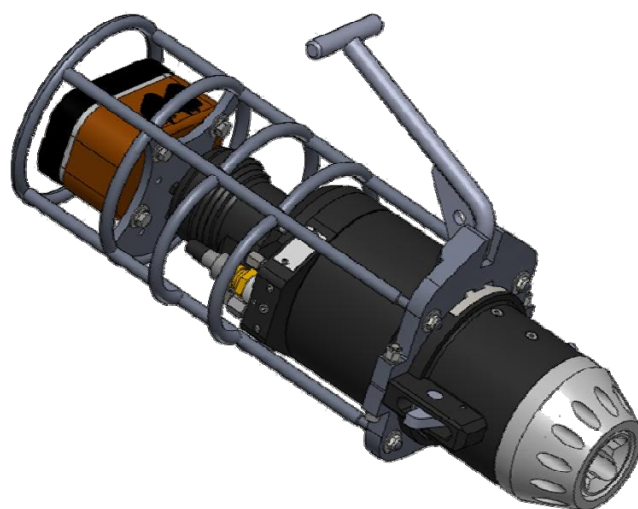
This torque tool has been specifically developed to provide the highest level of performance. It has integral torque and turns counting sensors for accurate control. When matched with a PSS Torque Tool Control System, it can provide precise feedback on torque response of any subsea operation.

The tool conforms to the ISO 13628-8 Fig 18 class 1-4 bucket style used extensively in the subsea industry for valve overrides operated by ROV. The tool has latching wings allowing the tool to hold on to the interface. The latching wings are hydraulically driven forward and spring retracted. Thus in the case of a loss of hydraulic power the wings will release. The tool uses a high specification drive motor for consistent torque output characteristics, even if used with direct hydraulic pressure control without the feedback sensor. The motor shares casing oil with the gearbox therefore avoiding the need for a separate compensator.

Note that for applying torques less than 60 ft lbs we recommend the class 1&2 tool.

Features.

- ISO 13628-8 Class 1-4 Torque.
- 60-300ft lbs/ 300-2000ft lbs dual range.
- Torque Feedback.
- Turns Counter.
- Latching Wings.



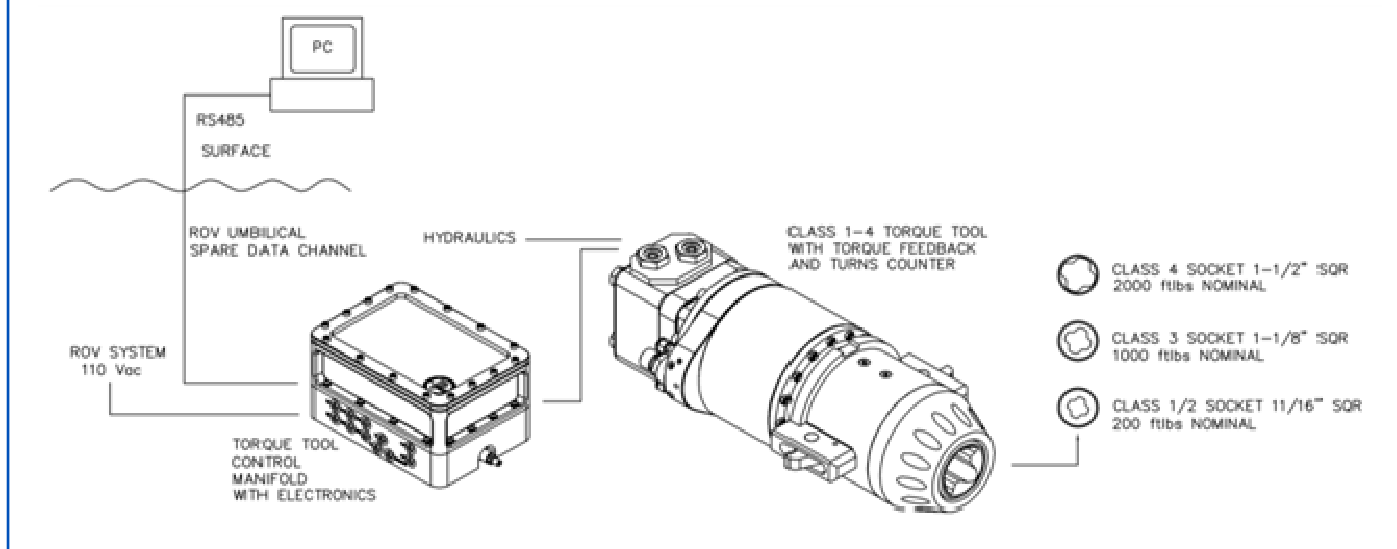
Specifications

Interface:	ISO 13628-8 fig 18 Class 1-4 API 17D appendix H fig C921.9 Class 4
Maximum Torque:	2000 ftlbs with 80cc motor
Recommended Range:	300-2000 ftlbs with 80cc motor 60-300 ftlbs with 12.5cc motor
Motor Size:	12.5cc nominal and 80cc nominal
Latching Strength:	1 tonne @ 160 Bar
Materials:	Steel motor and gearbox, Duplex socket, Aluminium housing, Acetal nose
Weight:	90 lbs air / 71 lbs in water Mineral Oil
Electrical:	8 Pin Connector- Speed and Torque Feedback

What's in the box.

- TX00100-280-00**
- Torque Tool.
 - Class 1 & 2 Socket (11/16" Sq)
 - Class 3 socket (1-1/8" Sq)
 - Class 4 socket(1-1/2" Sq)
 - T-Bar handle and cage.
 - Hose Set (JIC with Swagelok adaptors)
 - Low range motor
 - Turns and torque Display
 - Manual

Torque Tool & Control System Configuration.



Part Numbers & Options

TX00105-100-00	Surface Verification Unit.
TL0011-0000-00	Subsea Verification Unit.
TL0017-0000-00	Flying Lead Tool
A286-001-050/04	Torque Tool Control System.
A019-901-102	3 Stage Manifold. (Use instead of Torque Tool Control System).

Data Sheet: A001-350-037 issue 2

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.