ROV / DIVER TORQUE MULTIPLIER GEN-2

TORQUE & TURNS FEEDBACK MULTICLASS END EFFECTOR SUBSEA TORQUE ADJUSTMENT



Descriptions

The Torque Multiplier Tool Gen-2 is a compact and ROV friendly multiclass torque tool designed for operating Class 1-4 subsea valves and MQC plates up to 1200 Nm torque applications.

The Torque Multiplier Tool (TMT) is a fully mechanical ROV manipulator/diver torque tool that require no hydraulic or electric power- and communication. Reducing the risk of hydraulic fluid spill, hose management and electrical cables.

The tool comes with a mechanical latch system for standard API 17D bucket.

Torque & Turns display is powered by batteries and is turned on/off or reset using flashing illumination.

The Torque Setting System (calibration/operation) enables the operator to both adjust and verify torque output when subsea.

The Torque Multiplier Tool has a built-in memory function that enables logging of valve operations when required. The logging files is transferred to laptop thru USB adaptor cable.

Other end effector available upon request (paddle valves)

Typical Operations

- Class 1-4 valve operations up to 1200 Nm
- Paddle valve operations
- MQC plate latch / de-latch
- ROV / Diver Intervention works

Features

- Mechanical torque Tool.
- Class 1 4 multiclass end effector.
- No hydraulic power required (No leakage).
- No electric power & communication required.
- Torque and Turns feedback display.
- ROV adjustable clutch for safe valve operations.
- Mechanical latch mechanism.
- ROV and diver operable.
- Environmental Friendly compensation fluid.

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. Envirent AS, Robotvegen 16, 4340 Bryne, +47 477 77 500 post@envirent.no



SPECIFICATIONS

INTERVENTION TORQUE MULTIPLIER

General technical specification

Type Part number Weight (in air / Submerged Dimensions (L x H) Running torque Breakout torque Output interface Latch Mechanism Gear Ratio

Environmental data

Design Lifetime Depth Rating Operating Temperature Storage Temperature Compensation Fluid Compensation Volume

Design codes and standards

ISO NORSOK API

Display Supply Voltage COMS - (transferring log) Optional

ROV interface

Operation & handling

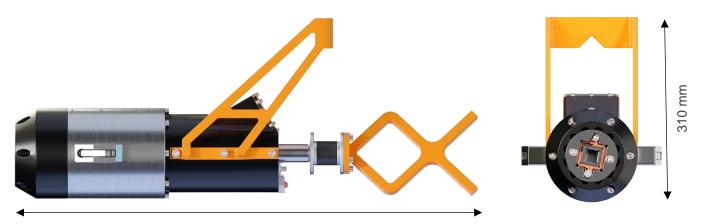
ROV TOOLING 2203099 40 kg / 30 kg 780 x 310 (incl. grabber bar, flex joint and fishtail) 1000 Nm 1200 Nm API Class 1 - 4 Spring Force 1:5,29

25 Years ROV Working Depth -15 / +50 °C -15 / +70 °C Panolin Atlantis 0,995 ml

ISO13628-1..... NORSOK E-001/M-001/R-002... API 17D

AA Battery USB

ROV / Diver Fish tail / D handle API Class 1 - 4



780 mm

