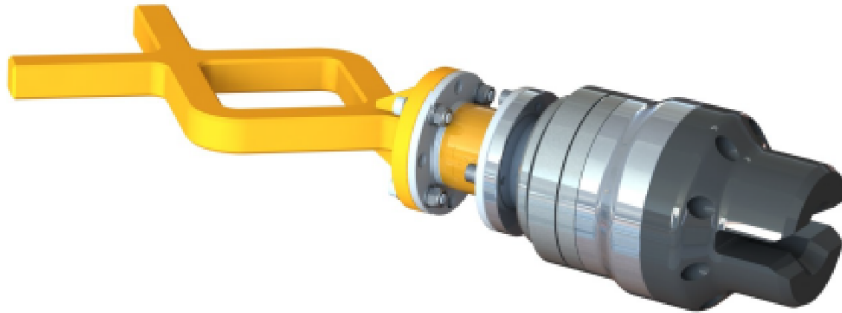


# Manual Torque Tool

## API 17H/ISO 13628-8 TYPE A,B & C



The Manual Torque Tool or Torque Limiter is designed to allow the ROV manipulator operation of API 17H / ISO 13628-8 TYPE A, B & C torque interfaces. The tool features an adjustable torque limiting clutch mechanism, which acts to limit the maximum torque that can be transmitted from the ROV manipulator to the valve interface during an ROV intervention operation, mitigating against the possibility of over-torquing and damaging the valve or valve stem. The tool end effector is designed to be capable of interfacing onto either type A (flat paddle) or a type B & C (T-bar) Valve handles.

### Key Features

- Torque range from 20 to 200 Nm
- Adjustable maximum output torque
- Mechanically operated by ROV
- Supplied with torque wrench to allow accurate torque settings
- No need to dismantle tool for torque adjustment
- Low weight
- Multi-function end effector

### Specifications

Torque range	20 – 200Nm
Weight in air/submerged	~8/~6 kg
Depth rating	Any water depth