

# Torque Tool Class 1-4 (API 17D)



This torque tool has been specifically developed of Forum Energy Technologies (UK) LTD to provide the highest level of performance. It has integral torque and turns counting sensors for closed loop control. When matched with a FORUM supplied torque tool control manifold, it can provide precise feedback on torque response of any subsea operation. These can alternately be utilised by connecting a FORUM Universal Subsea Display, which would give a visual read-out of live torque feedback and/or turns counter. USD sold separately

## Key Features

- Conforms to the ISO 13628-8 Fig 18 Class 1-4 bucket interface
- Latching wings hold on to the interface and will release in case of loss of hydraulic power
- Uses a high specification drive motor for consistent torque output characteristics
- Delivers consistent torque output even when used with direct hydraulic pressure control without the feedback sensor
- Motor shares casing oil with the gearbox avoiding the need for a separate compensator
- Note that for applying torques less than 108Nm (80 ft lbs) the class 1&2 tool is recommended

## Main Body

Weight (air/water)	34/28
Motor size	236 cc

## Specifications

Torque range	540-2700Nm (400-2000 ft lbs) (gearbox fitted) 108-540Nm (80-400 ft lbs) (direct drive)
Latching strength	1 tonne @ 160 Bar
Hydraulic	Mineral oil
Internal memory	16 GB / 64 GB optional

## Connector and Sensors

Electrical Connector	8 Pin Burton
Sensors	Dual sensor inductive turns count sensor, internal strain gauge

## Shipping

Supplied in offshore suitable transit case