



# Manipulator Held Clutch Tool

API 17D, ISO 13628-8 Class 1-4

The Manipulator Held Clutch Tool is designed to allow the ROV manipulator operation of API 17D, ISO 13628-8 Class 1-4 rotary torque interfaces. The tool limits the torque that can be transmitted from the ROV manipulator to the valve stem during an ROV intervention operation, mitigating against the possibility of excessive torque being applied, ensuring damage to the valve does not occur. The tool is fitted with an integral, adjustable torque limiting clutch which can be pre-set for torque ranges of 20 - 200 Nm. The front of the tool features a "smart" multi-socket interface which eliminates tool reconfiguration time on deck.

## Applications

Class 1-4 valve operations  
Paddle valve operations

## Features

Tool supplied with a calibrated torque wrench to allow accurate torque setting adjustment and pre-dive verification

Simple torque setting adjustment without the requirement to dismantle the tool

Lightweight construction and minimised tool length allow for easy ROV operation

Self-adjusting drive socket allows operations to be conducted on different valve classes without requiring to be reconfigured on deck

Fitted with torque resistant compliant mount

Plastic guidance nose for easy location into bucket

## In the box

Fish tail handle  
Calibrated torque wrench  
Paddle valve interface  
Operations and maintenance manual



# Manipulator Held Clutch Tool

## Specifications



Depth rating	Can be used at any water depth
Adjustable maximum torque setting	From 20 to 200 Nm
Approx weight in air	14kg
Approx weight in water	12kg