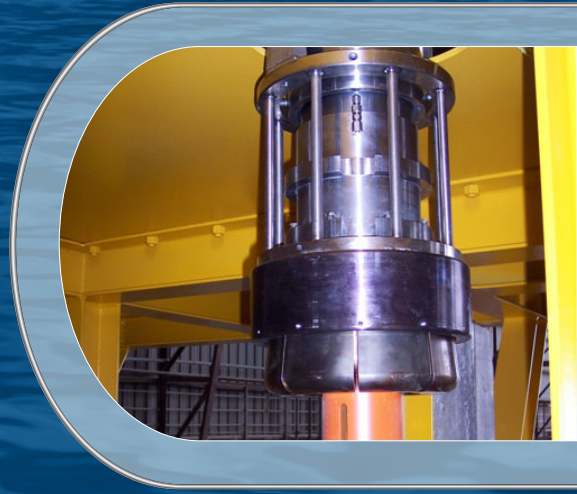


# COLLET LINEAR VALVE OVERRIDE TOOL (CLOT)

The Collet Linear Valve Override Tool (CLOT) remotely overrides and locks hydraulic actuated gate valves located on subsea trees and manifolds. The tool fits Type B interfaces, in either horizontal or vertical configurations.

The CLOT is deployed and powered by a Remotely Operated Vehicle (ROV).



# COLLET LINEAR VALVE OVERRIDE TOOL (CLOT)

## CLOT Features

- Collet lock facilitates ROV operations in vertical and horizontal configurations
- Single tool has both hydraulic and mechanical locks
- Tool can be mechanically unlocked under full load if hydraulic failure occurs
- Collet lock has full 360° contact with Interface B, minimizing risk of valve damage

## Hydraulic Cylinder

Pressure: 10,000 lb  
 Connection Type: API 17 D Hotstab receptacle  
 Material: Short term subsea use: 17-4 H 1150, Ni-Al-Br  
 Material: Long term subsea use: Nitronics 50, Super duplex, Ni-Al-Br

## Collet Lock

Type of Lock: Cam lock  
 Material: Short term subsea use: 17-4 H 1150, 17-4 H 900, Ni-Al-Br  
 Material: Long term subsea use: Nitronics 50, Super duplex, Ni-Al-Br

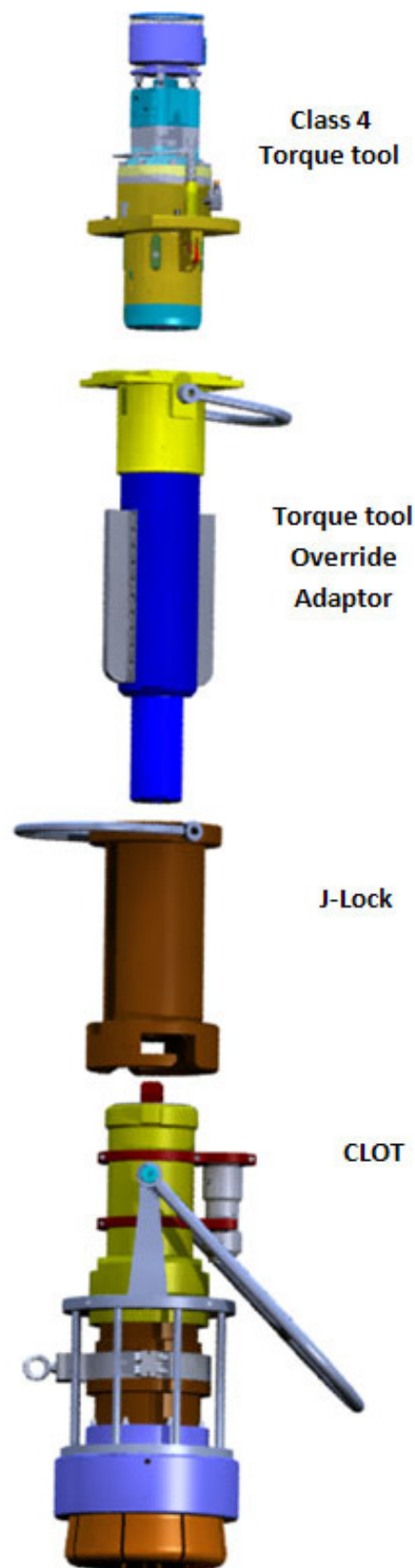
## Mechanical Lock

Type of Lock: Special design Acme thread  
 Material: Short term subsea use: 17-4 H 1150, 17-4 H 900, Ni-Al-Br  
 Material: Long term subsea use: Super duplex, Ni-Al-Br

## Flotation Foam

Density: 40 lb/ft<sup>3</sup>  
 Depth rating: 10,000 ft

CLOT Size	Stroke	Max Load	Weight in Air	Weight in Water
2/5 in CLOT	7 in	130,000 lb	500 lb	465 lb
7/9 in CLOT	11 in	250,000 lb	575 lb	540 lb



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