

COLLET LINEAR VALVE OVERRIDE TOOL

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 SPECIFICATIONS

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/ft³
 Depth rating: 10,000 ft

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

