

Collet Lockout Tool

ISO 13628-8 Type B

The Collet Lockout Tool (CLOT) was designed as a method to operate linear actuated gate valves on subsea manifolds and trees. It enables the user to access Type B interface flanges located as deep as 25 inches (63.5 cm) below the manifold cover plate. The CLOT operates on intensified hydraulic power supplied by a remotely operated vehicle (ROV) and can be deployed for short-term or long-term subsea use.



FEATURES

Field-proven design

Short- or long-term deployment

Optional hydraulic intensifier

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Technical Data

Hydraulic		Mechanical	
Depth rating	10,000 fsw / 3,000 msw	Depth rating	10,000 fsw / 3,000 msw
Operating pressure	1,600 psi / 110 bar	Weight	In air: 320/280 lb In water: 145/127 kg
Weight in air/water	540/465 lb 245/211 kg	Dimensions	17.5 in diameter x 42 in long 44.5 cm diameter x 106.7 cm long
Dimensions	14 in diameter x 48 in long 35.6 cm diameter x 122 cm long	Design load	160,000 lbf
ROV interface	17H dual port hot stab	Materials	Nitronic 50 UNS S31600
Intensifier max. input/output pressure	2,500 psi / 10,000 psi 172 bar / 689 bar		
Piston max. operating pressure	10,000 psi / 689 bar		
Piston force	250,000 lbf @ 10,000 psi		
CLOT body material	UNS S14700 (short term)		
Piston material	UNS S17400 (short term)		
Piston stroke	Up to 10 in (25.4 cm)		

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