

ROPOS

CANADIAN SCIENTIFIC SUBMERSIBLE FACILITY



ROV Chop Saw

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Summary

The ROV Chop Saw is a hydraulically powered subsea cutting tool designed for deployment and operation by an ROV manipulator. Utilizing a high-speed abrasive cutoff wheel driven via a chain drive system, the tool enables efficient cutting of metallic and non-metallic components in subsea environments. An integrated hydraulic clamping mechanism allows the tool to securely grip round objects during cutting, improving stability and precision. The unit is equipped with a T-handle interface for reliable manipulator handling and positioning.

Key Features

- Hydraulically driven abrasive cutoff saw for subsea cutting applications
- Integrated clamp system for securing round objects up to ~3 in diameter
- Chain-driven blade system for robust power transmission
- Compatible with standard 10" abrasive cutoff wheels
- Manipulator-friendly T-handle for precise ROV deployment
- Compact, rugged design suitable for harsh subsea environments

Specifications

General		
Blade Size	10" x 3/32" x 5/8"	
Max. Cutting Capacity	Ø3" (Ø76mm)	
Extendable Range	Titan-4 Manipulator Range (see below)	
Dimensions (L X H X D)	26.75" X 15" X 11" (679mm X 381mm X 279mm)	
Hydraulics		
	Saw Motor	Clamp Cylinder
Hydraulic Requirement	3000 psi @ 20 gpm (max) (200 bar @ 77 L/min (max))	3000 psi (200 bar)
Connections	3x -4 MJIC	2x -4 MJIC
Environmental		
Depth Rating	Full Ocean Depth	
Mechanical		
Construction	Aluminum	
Weight in Air	22 lbs (10 kg)	
Weight in Water	14 lbs (6.4 kg)	