



## Mechanical Grapple Tool

Subsea Solution for Flex Pipe Lifting and Recovery

Mechanical Grapple Tool is engineered for secure gripping and release of flexible pipes without the need for hydraulic connections. The tool operates entirely through a mechanical engagement system, ensuring simplicity, reliability, and reduced subsea complexity.

Designed primarily for crane deployment, the gripping and release functions are mechanically actuated, typically via ROV interaction. The tool is DNV-ST-273 certified and approved for lifting loads up to 2000 kg.

A two-legged wire sling is supplied as standard with the tool.

### Features

- Provides fully mechanical gripping and release functionality, eliminating the need for hydraulic connections.
- Accommodates pipe outer diameters ranging from Ø290 mm to Ø600 mm.
- Supplied complete with a two-legged wire sling for immediate operational readiness.



## Technical Specifications

Mechanical Grapple Tool is a DNV-certified subsea lifting solution, engineered for secure mechanical gripping and controlled release of flexible pipes. Designed for crane deployment and ROV interaction, it provides a robust, hydraulic-free system that enhances safety and operational efficiency in subsea lifting and recovery operations.

Contact [mail@deepcgroup.com](mailto:mail@deepcgroup.com) for more details.

### Dimensions

LxWxH:	1395 x 1020 x 850 mm
Dry Weight:	168kg
Weight Submerged:	145kg

### Performance

Maximum Gross Weight:	2200kg
Payload:	2000kg
Minimum Gripping OD:	290Kg
Maximum Gripping OD:	600kg





## Technical Drawings

Mechanical Grapple Tool is engineered for safe and efficient subsea pipe handling, featuring a robust mechanical design that ensures secure gripping and controlled release. The technical drawings illustrate its structural configuration, gripping mechanism, dimensional range, and certified lifting points.

