

# SUMO®

## Casing Jack System

SUMO®- The Hydraulic Downhole Casing Jack is a system to overcome the limitation of the pulling capacity of the rig and the stretch and frictional losses in the drill string while applying tension. The most typical application is to anchor inside a 13 3/8" casing and pull on the 9 5/8" casing being stuck due to settled barite from the drill fluid.

The SUMO® Casing Jack System will typically comprise of the following components:

- Anchor
- Scraper
- Pull section
- Pack-off tool
- Valve
- Spear
- Pipe cutter

### Features

- Ability to rotate entire system
- Large ID (2")
- Extended stroke length (120 cm)
- High pull force (800+ tons)
- Integrated packer
- Downhole digital tool control option
- Versatile system
- Enabling integrated operations

### Benefits

- Optimum downhole cutting control
- Low pressure loss and ball drop compability
- Faster casing retrieval
- Maximize casing length retrieval
- Ability to circulate through cut
- Full downhole control
- Integration of enhanced techniques.
- Reduced POB

### Specifications

Pull force	800 tons / 650 tons
ID	2"
Stroke length	1.2 m/ 4 ft.
Power Output	2.3 ton/bar / 1.9 ton/bar
Integrated packer	Yes
Max OD	11.75"
Max RPM	120

Max Pressure	345 bar/ 5,000 psi
Max Temperature	120°C/ 248 °F
Max Tensile Yari Spear	592 tons/ 1,300,000 lbs
Max Tensile Itco Spear	1000 tons/ 2,200,000 lbs
Casing Range (Pull)	9 5/8" 40-53.5 ppf, 10 3/4" 55-65 ppf
Casing Range (Anchoring)	13 3/8" 68-72 ppf, 14" 100-114 ppf
System Top Connection	XT57 Box

Specifications may be subject to change.

