

# BOP CHAIN HOISTS

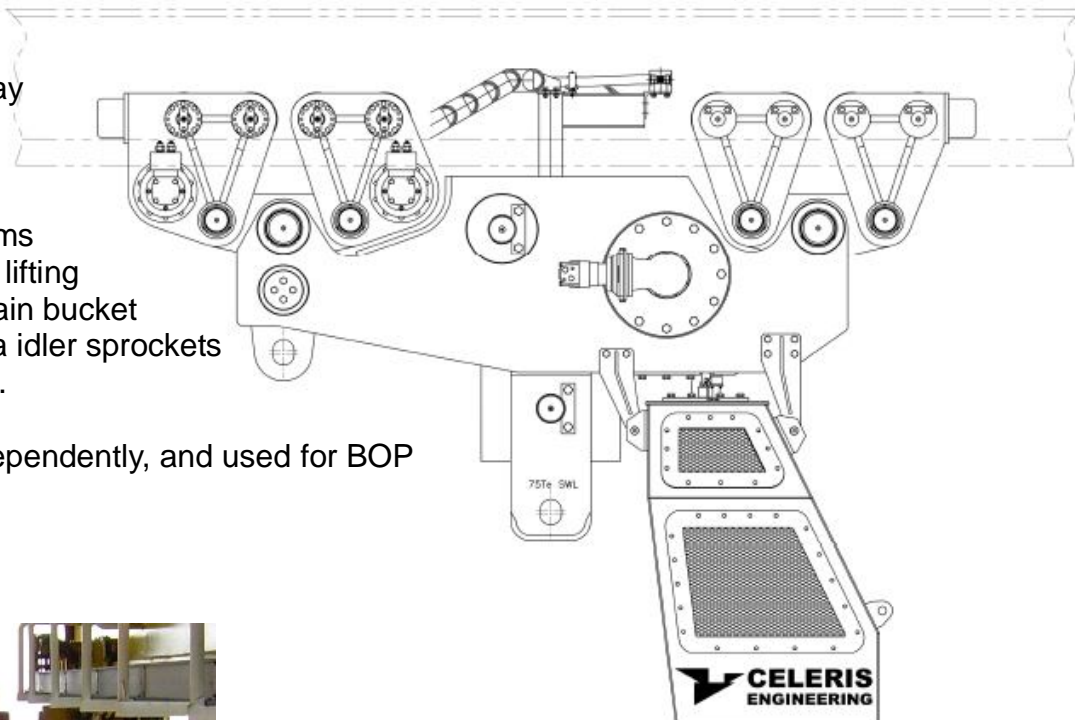


**BOP Chain Hoists** are often employed on Jack-ups to move and maintain the BOP Stack beneath the cantilever. Working as a pair, each chain hoist connects to the BOP Lift ring providing tandem lifts of up to 200 Tonnes.

Each Hoist is mounted on runway beams suspended beneath the drill floor structure.

Travel along each runway beam is via rack and pinion mechanisms on each hoist / Beam. The hoist lifting chains are dispensed from a chain bucket by the hoist drive and reeved via idler sprockets over the lifting block assemblies.

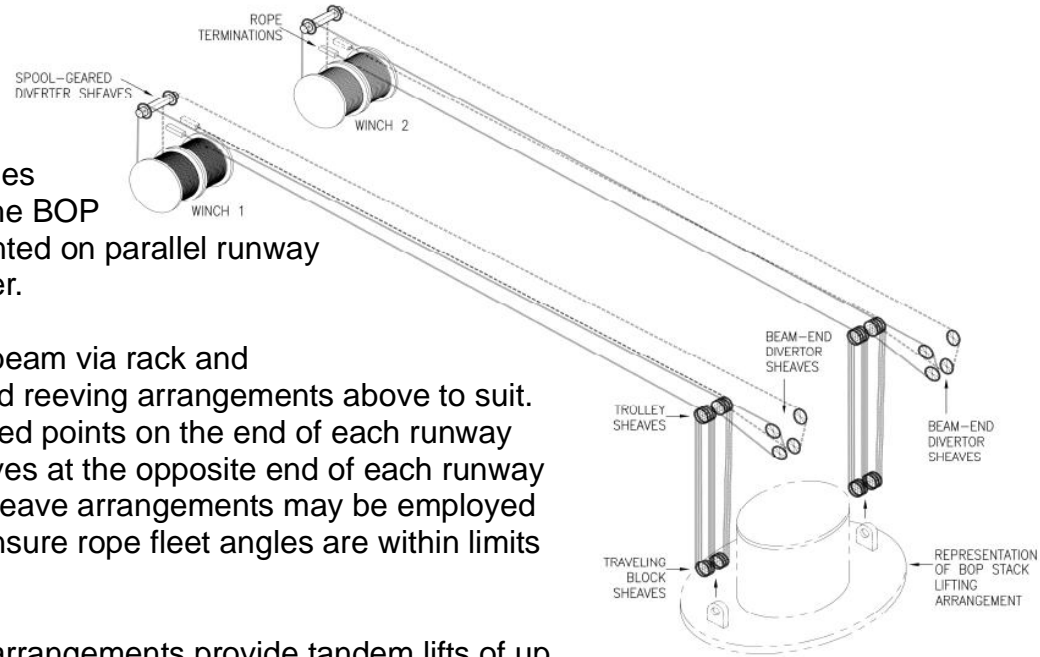
Each hoist can be operated independently, and used for BOP Stack Maintenance tasks.



## Typical Specification

Safe working load:	Up to 100 Te per hoist
Hoist speed:	Up to 1.1m/min
Travel speed:	Up to 6m/min
Chain safety factor:	5:1
Type of control:	Deck mounted or hanging pendant

# WIRE ROPE BOP HOISTS



**Wire Rope Hoists** are sometimes used on jack-ups for handling the BOP Stack. These systems are mounted on parallel runway beams which span the cantilever.

Trolleys traverse each runway beam via rack and pinion, carrying lifting blocks and reeving arrangements above to suit. The winches are mounted at fixed points on the end of each runway beam and reeved around sheaves at the opposite end of each runway beam. Spool-g geared diverter sheave arrangements may be employed where headroom is limited to ensure rope fleet angles are within limits and rope life is preserved.

The parallel wire rope hoisting arrangements provide tandem lifts of up to 100 Tonnes, using the BOP's lifting arrangement / lift ring

### Typical Specification

Capacity:	2 x 45 Tonnes*
Number of ropes:	2 ropes per winch
Number of falls:	4 falls per rope*
Rope safety factor:	5:1
Winch & Travel:	Hydraulic drives
Travel speed :	0 to 5 m/min
Hoist speed:	0 to 4.5m/min
Travel and hoist limits:	Hydraulic or electric

[\*Higher capacities available with additional falls of rope and slower hoisting speeds]

