

PROTen Hang-off Tool (HOT)

Product Application

- To support the conductor while waiting on cement during platform drilling operations
- For conductor or well support during abandonment operations



The Aquaterra Energy PROTen Hang-Off Tool (HOT) has been designed to support the conductor while waiting on cement during platform drilling operations - saving 24 to 48 hours of drilling unit idle time whilst waiting for cement to cure.

Although the system is primarily designed for platform operations, the tool can also be utilised on a rig floor during exploration well drilling, making a safer more controllable support once the conductor has been run and the cement stringer deployed.

The Aquaterra Energy HOT can also be used for general conductor or well support during abandonment operations and for proving conductor cuts.

Key product features

- ✓ Can save 24-48 hours of rig idle time
- ✓ Can be used during abandonment well support campaigns - offering well support and cut proving
- ✓ Low profile, light weight design allows easy positioning in congested cellar deck areas
- ✓ Integral trolley wheels and multiple lift points
- ✓ Cylinder stroke accommodates space out and slimp of the conductor, allowing the unit to be removed
- ✓ 250 to 400 tonne axial support (other loads available)
- ✓ Fail safe cylinder design and locking system
- ✓ Engages directly with the underside of the starter head profile, or can be used in conjunction with a SUREGrip tension ring around the conductor OD
- ✓ Guards in place to protect against moving parts
- ✓ Can support all conductor ODs and string weights

Get in touch

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PROTen Hang-off Tool (HOT)

Primary Design Code	AISC manual of steel construction 14th edition DNVGL-ST-0378 DNVGL-OS-E101 Latest Edition Offshore Standard For Drilling Plant
Qualification	Load test, pressure test, functional test and safety system test
Applications	Platform drilled well conductor support while waiting on cement – saving 24 to 48 hours of rig idle time Exploration well conductor support during cement stringer deployment and whilst waiting on cement Well support and cut proving during abandonment campaigns Bespoke designs and applications available upon request
Load Rating	Axial 250 to 400 tonne (other load ratings available) Lateral 40 to 100 tonne (other load ratings available)
Hang Off Load Maintenance	HPU automatically maintains correct hang off weight
Cylinder Stroke	250mm (provides space out and conductor slump allowance)
Temperature Rating	-20°C to 50°C
Conductor Interface	Starter head load shoulder Or used in conjunction with SUREgrip (slim line) tension ring around the conductor pipe OD and installed on the conductor offline before running through the rotary table Standard SUREgrip which is installed once the conductor is set in position
Conductor OD	All conductor OD ranges supported
Structural Interface	Design to suit most cellar structural beams Spreader beams can be supplied to suit bespoke loading applications
Safety Features	Mechanical lock out device on hydraulic cylinders ATEX Zone 1 Pressure relief valves Guards to protect crew from moving parts
Handling	Low profile, light weight design to allow easy movement within congested cellar deck areas Tool splits with integral trolley wheels for movement around conductor Castor wheels designed for plate and grating Multiple lift points
Control Fluid	Marine safe hydraulic control fluid
Coating	Marine paint system Stainless steel hydraulic components

PROTen Hang-off Tool (HOT)

Compact, low profile and light weight for easy positioning in congested cellar deck areas

Robust heavy duty, adjustable wheels

Large axial and lateral load capacity

Multiple lift and handling points

Fail safe cylinder design and mechanical locking system

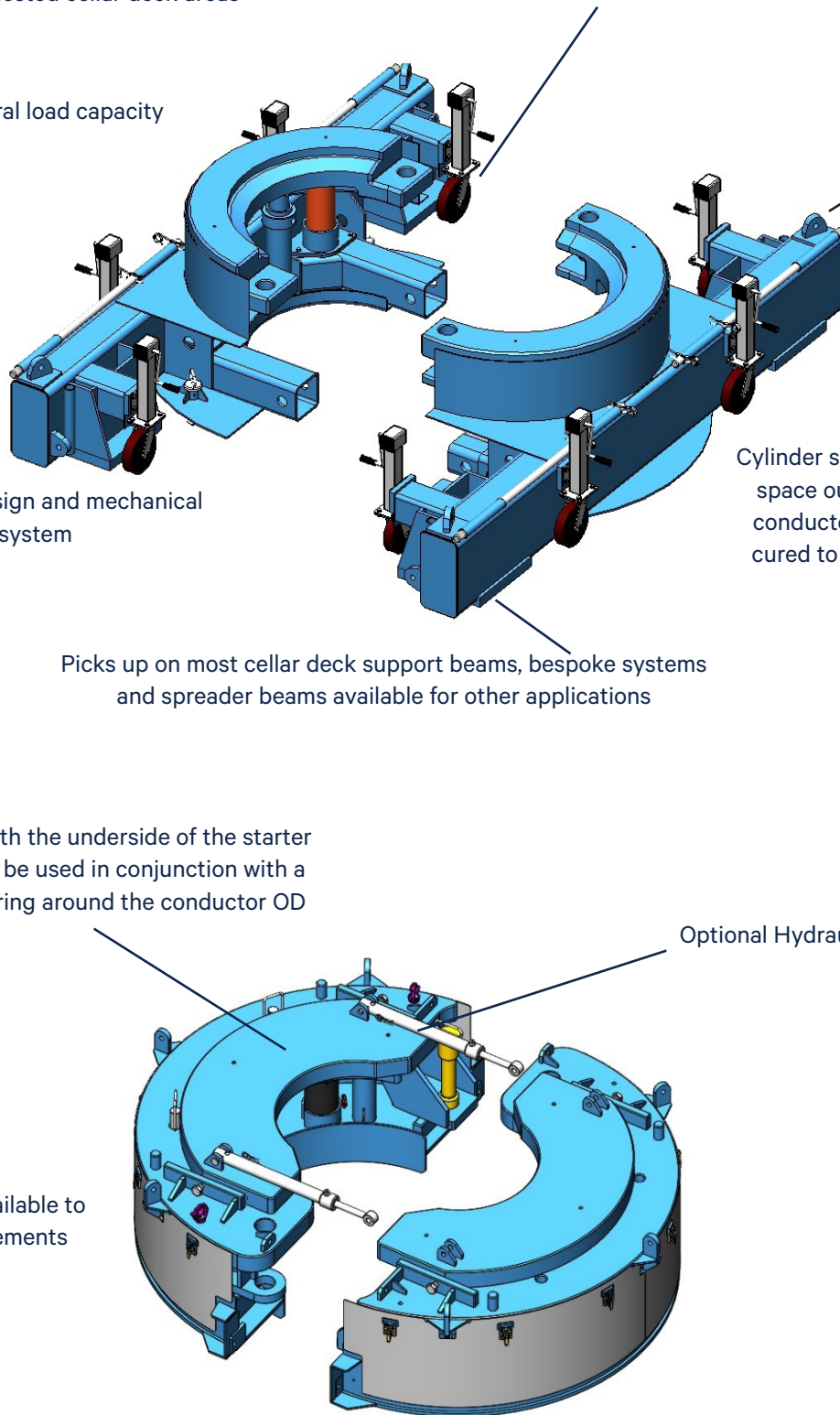
Cylinder stroke accommodates space out and slump of the conductor once cement has cured to allow the unit to be removed

Picks up on most cellar deck support beams, bespoke systems and spreader beams available for other applications

Engages directly with the underside of the starter head profile or can be used in conjunction with a SUREGrip tension ring around the conductor OD

Optional Hydraulic pull in device

Bespoke systems available to suit specific requirements



PROTen Hang-off Tool (HOT)



Pre-installed through rotary table slim line SUREGrip (for none starter head applications)



Compact design with built in spread beams to suit most cellar deck load bearing beam configurations



PROTen Hang-Off Tool (HOT) in action offshore

Related Products & Services

- Riser Analysis
- Well abandonment engineering and services
- Conductor cement top up
- Conductor platform guide centralisers
- Cellar deck centralisers
- Tension Rings and Tension Systems
- SUREcut conductor cold cutters
- LP overshoot and LP surface riser
- HP surface risers and crossovers
- AQC BOP quick connectors
- Riser/Conductor Monitoring System (RMS)
- Riser/Conductor Maintenance and Fatigue Management
- Well Start