

CONSTANT TENSION TABLE



General Information

The field proven WellPartner Constant Tension Table (CTT) system is designed for maintaining the Workover riser system in constant tension during subsea drilling operations from a jack-up rig.

The CTT is located on the rotary table and interfaces a Landout joint, being the integrated part to the workover riser system. The upward force is provided by 4 hydraulic operated cylinders, which react against a load bearing plate in the work frame. The hydraulic jacks are operated by a local control unit which records the CTT elevation height and applied top tension vs time. Alarms can be set and the operational data can be downloaded after the operation.

Technical Specifications

Scope of Supply

- Constant tension table
- Landout joint with integrated hang off plate
- HPU with integrated control system
- Optional supply:
 - Non-rotational quick make and break connections

Technical 100 mT

- | | |
|----------------------------------|-------------------------------------|
| - Dimensions (WxLxH) | 0,89m x 0,91m x 1,05m |
| - Weight | Approx. 1500 kg |
| - WOR Range | 5-1/2" - 8-5/8" |
| - Maximum WOR Tension | 100 ton |
| - Maximum Cylinder Travel | 500 mm |
| - Memory Readings - USB download | Top tension,time,travel |
| - Control panel alarm settings | Max, min, piston travel |
| - Control panel alarm indication | Red flashing light, horn |
| - Control unit | Zone 1 ATEX certified |
| - Interface to rig | 230V 16A EX power
Dry air supply |

- Designed in accordance with ISO 13628-7

Operational/Cost Benefit

- Compact low weight design
- Reduced stack up height
- Operated in safe area from local control panel
- Auto adjustment of required top tension
- Flexibility of the Workover riser space out
- Riser tension and elevation monitoring
- Avoid freestanding Workover riser during rigging of the Surface Flow Tree
- Top Drive not occupied; can be used as main lifting device for WL BHA handling
- Safer working conditions for WL personnel
- Enhanced alarm functions: position indicator, tension indicator
- Redundant pair of jacks
- History log for tension and expansion