

FirstSubsea Tendon Tool

First Subsea's range of permanent and disconnectable Ballgrab® tendon lift tools, designed for tension leg platform (TLP) installation of typically eight tendons, are pre installed onto the tethers. The tendon tools are a cost effective and technically superior method of pulling the tether lines that secure Tension Leg Platforms (TLP) to the seabed. When each tool is inserted into the tendon line, a simple release mechanism is activated which centralises the tool and grips the mooring tendon.

Ball and taper connection technology, in its simplest form, is the action of balls held securely in tapers machined into the connector's mandrel. The balls are free to move up and down the taper, however when the balls grip the item to be held, they grasp it in direct proportion to the load applied.



50T Tendon Pull-in Tools for Papa Terra

Typical Projects

- Papa Terra 9 x 50T Tendon Tools for LOGG - Brazil
- Matterhorn 6 x 20T Tendon Tools for Total E&P - Gulf of Mexico
- Kizomba 9 x 20T Tendon Tools for ExxonMobil - West Africa
- Tahiti 7 x 20T Tendon Tools for Chevron - Gulf of Mexico
- Neptune 7 x 20T Tendon Tools for BHP Bilton - Gulf of Mexico
- Conoco 9 x 25T Tendon Tools for Saipem - USA
- Heidrun 16 x 25T Tendon Tools for Statoil - Norway

Features

- Design Code: DNV Standard for Certification No. 2.22 Lifting Appliances
WLL Range: A working load limit of 10, 20 or 50mT
Materials: High Strength Bar or Forged from EN24T, 4145, AISI 4330 V
Weight: 20T to 50T
ROV: Supplied with ROV Release Tool
Interface: Pad Eye to suit Crosby Shackle or G-416 / S-416 Spelter Socket
Rental/Purchase: Tools can either be rented or purchased, new bespoke tools can be available ARO



20T Tendon Pull-in Tool

FirstSubsea

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