DRILL-PIPE WEAK LINK SYSTEM

General Information

DrillPipe Weak Link (DPWL) system is a passive weak link system for "locked to bottom" operations using drillpipe from semi-submersibles. In case of a compensator lock scenario, the tool will separate at a preset tension force, preventing fatal accidents, severe damage to subsea and rig equipment, and non-productive time. Typical applications are installation of subsea casing hangers, tubing hangers and X-mas Tree's using drillpipe.

Technical Specifications

- **Technical**
  - Strong mode capacity: min 500 MT
  - Safe mode capacity: 50-300 MT (adjustable)
  - Torque capacity (RH/LH): equal to drillpipe
  - Base case DP size: 5-1/2" FH Vam Eis
  - Pressure rating: 690 bar
  - Tool ID: min 2 ¾" (WL access)
  - Designed in accordance to ISO 13628-7

- **Operational/Cost Benefit**
  - Prevents: rupture/loss of well control equipment, dropped objects, damage to rig, damage to subsea equipment
  - Allows for reconnect and continue operation
  - Simple: handling with existing rig equipment, design of subsea installation kit (DPLS), global analysis
  - Remote operated
  - Strong mode for improved installation, testing and retrieval of subsea equipment
  - Increased operations window during installation
  - Can be operated on all rigs without modifications
  - Adjustable weak link release force

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