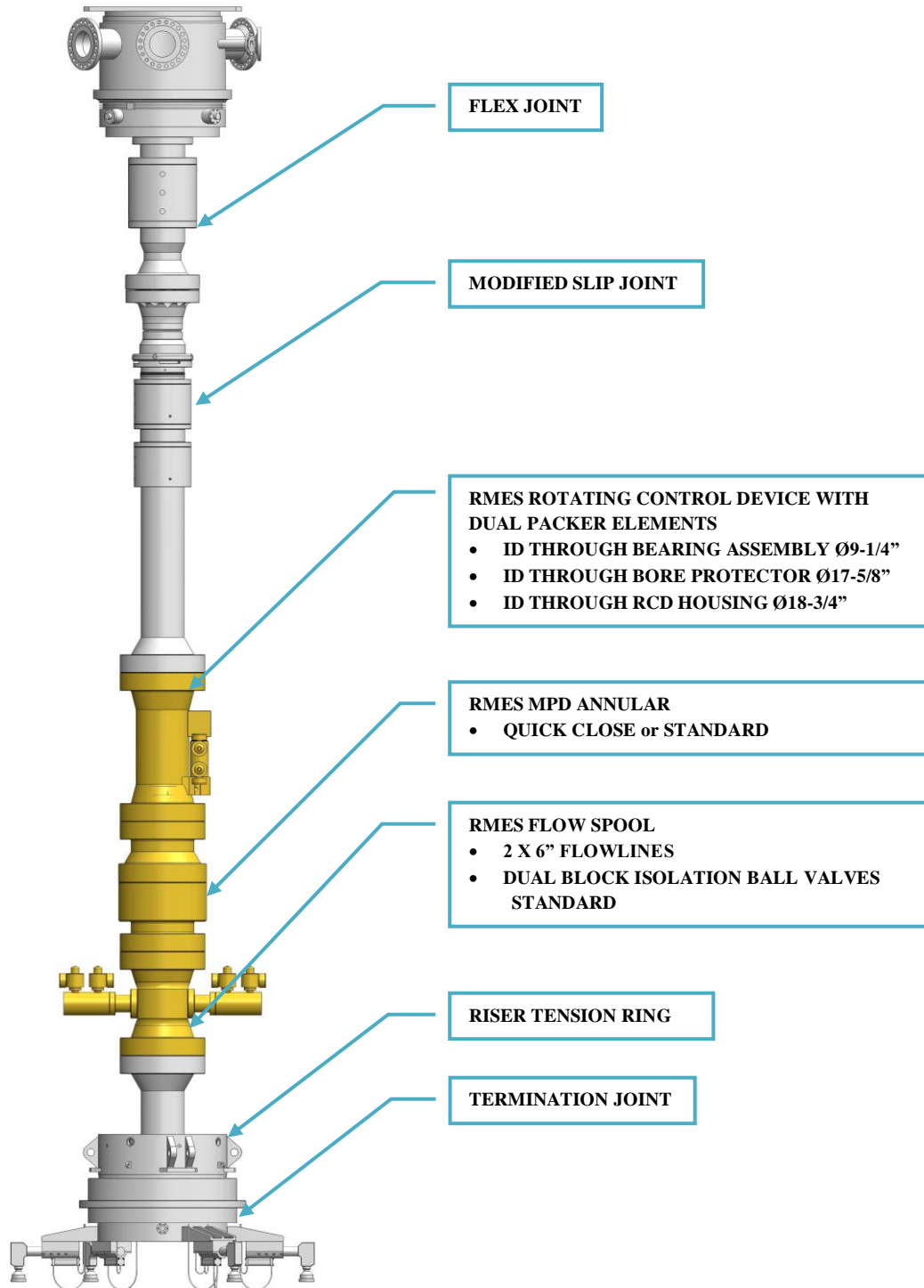




MPD trendsetter™



MANAGED PRESSURE DRILLING ABOVE TENSION RING SYSTEM





Advantages of an ATR System

- Ideal for benign environments where heave is not a major consideration
- Access to RCH housing and flow spool for in situ repairs reducing NPT
- Reduced length of vent and flow line moonpool drape hoses
- Bearing assembly designed for long life and ease of maintenance. Can be maintained by rig crew.
- Due to simplified design minimum spare parts are required to be kept on the vessel
- Seat protector with $\phi 17-5/8$ " through bore to protect housing seal surfaces
- RCD housing can be run in the riser string and normal drilling operations can proceed without bearing assembly in place.
- $\phi 18-3/4$ " full bore tooling will go through RCD housing
- Seat protector and bearing assembly land on internal upset to facilitate installation and cannot be dropped down hole.

REGIONAL MARINE & ENGINEERING SERVICES PTE LTD

A Singapore based company involved with the offshore oil and gas industry for more than 20 years with a commitment to quality, API Q1:9th (Q1-1982) and ISO 9001:2008 (35110) accreditations. Building on its experience of supporting the petroleum business and after investigating future requirements for the industry a commitment was made to support the needs for advancing the technologies for Managed Pressure Drilling (MPD) operations.

The design process was started with no preconceived ideas for UBO/MPD. The basic philosophy of the design concept for the **RMES** team was to create a safe, easy to operate, reliable system, requiring a minimum number of spare parts, the least amount of maintenance while meeting the latest requirements of the numerous regulatory bodies. This includes collaboration with Singapore Universities, Government R&D agencies and specialized equipment manufacturers to give the customer the safest, most cost effective and efficient system on the market today.

RMES' progressive design and service support teams can adapt quickly to customers' needs. With the in house manufacturing and testing capabilities of the company any system modifications can be handled in a fast and efficient manner.

RELIABLE
METICULOUS
EXPERT
STURDY

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