



RMS 3000

Rotary-Mounted Slips and Elevator

The Weatherford RMS 3000 rotary-mounted slips and elevator provide a large-diameter casing-running solution for loads up to 600 tons (544,311 kg). The low-profile, flush-mount design significantly reduces the height of the connection to provide a safer working height. The RMS 3000 is hydraulically operated and capable of 50,000 ft-lb (67,790 N•m) of reaction torque. The tool fits inside 49 1/2-in. National, Emsco, Oilwell, and Wirth rotary profiles. Several key design features enhance safety and operational efficiency in deepwater environments.



Applications

- Casing 16 through 30 in.
- String loads up to 600 tons (544,311 kg)
- Tapered strings

Features, Advantages, and Benefits

- The RMS 3000 rotary-mounted slips and elevator provide power-down preload to ensure positive gripping of the string for enhanced safety.
- The tool is compatible with the Weatherford integrated safety interlock system, which prevents the slips and elevator from opening at the same time and virtually eliminates dropped casing strings.
- The low-profile design reduces the required connection height to eliminate scaffolding and the associated risks to personnel safety.
- Most of the spider is placed below the rig floor to provide the driller with a better view of connections for enhanced safety and improved efficiency.
- The hydraulic power-down feature simplifies operations by eliminating the need for a backup tong during connection makeup.
- Hydraulic operation holds the slips back when they are open to facilitate the running of casing accessories (such as bow-spring centralizers) through the spider without hanging up.
- Hydraulic operation enhances personnel safety by eliminating the risk of back injuries associated with manually pulling slips.
- The system design enables fast, efficient rig up for time and cost savings.