

## CRM-3S CEMENTED LINER HANGER SYSTEM WITH HOLD-DOWN SLIPS

### APPLICATION

CRM-3S Liner Hanger System with Hold-Down Slips is specially designed for cemented liner applications. CRM-3S is used to suspend the liner in previous casing using a liner hanger followed by cementing operations. Work string is used to run in hole the liner to the desired setting depth without rotation. Running tool with mechanical release is then retrieved from the well once the liner is in place.

### FEATURES AND BENEFITS

- Hydraulic activation of the Liner Hanger allows for using in deep, deviated wells without the need for drillstring manipulation.
- Hold-down slips above the packer sealing element allow to prevent the upward movement of the liner.
- Running Tool design with float nut allows release prior to cementing operations.
- Full-bore ID after running tool retrieve imposes no restrictions to liner access for future intervention and remedial operations.
- 10 ft Polished Bore Receptacle (PBR) allows to set the floating stinger without using a hydraulic anchor.
- Running tool at the bottom has a profile for Liner Wiper Plug.
- CRM-3S Liner Hanger System withstands high tensile loads.
- CRM-3S Liner Hanger System withstands high differential pressures.

### SUPPLY PACKAGE

- **Polished Bore Receptacle** provides a mean of tying back into the liner with seal assembly for multistage hydraulic fracturing or with second isolation packer.
- **Liner Top Packer** provides high integrity annulus sealing.
- **Hydraulic hanger** provides specified holding force.
- **Running Tool** with a mechanical release.
- **Liner Wiper Plug.**
- **Drill Pipe Dart Plug.**

### TECHNICAL DATASHEET

TECHNICAL CHARACTERISTICS	VALUE		
Liner size, in	4.500	5.000	
Casing OD, in	6.625	7.000	7.000
Length, ft	19.4		
Max OD, in	5.551	5.984	5.984
Min ID after activation, in	3.898		4.409
Tensile, kip	202		214
Material*	P-110		
Max differential pressure, psi	10,000		
Burst, psi	10,000		
Collapse, psi	10,000		
Max working temperature, °F	248		
Design Validation Grade / Quality Grade	V3 / Q2		

\* Other options are available as per Customer request.



CRM-3S