

CRM-3 CEMENTED LINER HANGER SYSTEM



CRM-3

APPLICATION

CRM-3 Liner Hanger System is specially designed for cemented liner applications. CRM-3 is used to suspend the liner in a 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

- CRM-3 Liner Hanger System is designed for cemented liners in vertical, highly deviated and horizontal wells.
- Hydraulic activation of the Liner Hanger allows for using in deep, deviated wells without the need for drillstring manipulation.
- Running tool design with the float nut allows release prior to cementing.
- 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 type of Tie-back Seal Assembly without using a hydraulic anchor.
- Running tool at the bottom has a profile for Liner Wiper Plug.
- CRM-3 Liner Hanger System withstands high tensile loads.
- CRM-3 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 mechanical release.
- **Liner Wiper Plug.**
- **Drill Pipe Dart.**

TECHNICAL DATASHEET

TECHNICAL CHARACTERISTICS	VALUE				
	4.000		4.500		
Liner size, in	4.000		4.500		
Casing OD, in	5.500	5.750	7.000	6.625	7.000
Length, ft	19.1			19.0	
Max OD, in	4.606	4.764	5.984	5.551	5.984
Min ID after activation, in	3.465			3.898	
Tensile, kip	157			202	
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.