

HMR-MSF SA LINER HANGER SYSTEM FOR MSF WITH SEAL ASSEMBLY



HMR-MSF SA

APPLICATION

HMR-MSF SA Liner Hanger System with Seal Assembly is designed for non-cemented liner applications to run in hole the liner on 4 1/2" tubing. 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

- The liner is run on the production tubing, instead of drill pipe string.
- Tie-back Seal Assembly for multistage hydraulic fracturing is a part of the running tool thus reducing time for run-in-hole/pull-out-of-hole operations (RIH/POOH).
- Hold down slips above the packer sealing element allow to prevent the upward movement of the liner.
- Ball Seat can be located either in running tool or in landing collar / activation sub.
- Running tool includes Tie-back Seal Assembly for multistage hydraulic fracturing which helps to reduce time for completion operations.
- Full-bore ID after running tool retrieve imposes no restrictions to liner access for future intervention and remedial operations.

LHS COMPONENTS

- **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.
- **Rental equipment:** Debris barrier, running tool with mechanical release, pack-off bushing.

TECHNICAL DATASHEET

TECHNICAL CHARACTERISTICS	VALUE
Liner size, in	4.500
Casing OD, in	7.000
Length, ft	19.8
Max OD, in	5.984
Min ID after activation, in	3.898
Material*	P-110
Tensile, kip	157
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.