

## LHNP-MSF UNCEMENTED LINER HANGER

### APPLICATION

The Uncemented Hydromechanical Liner Hanger is designed to run, hang and seal uncemented liners with completion assembly for multistage hydraulic fracturing with subsequent disconnection of the liner from the work string.

### DESIGN FEATURES AND ADVANTAGES

The tool incorporates the following main components:

- Anchor, used to hang the liner in the casing;
- Hydraulic disconnect assembly for disconnecting the work string from the liner;
- Mechanical top packer to seal the annulus;
- Polished bore receptacle (PBR).

Fullbore liner ID after setting tool release;

High hanging capacity;

High pressure rating;

Ability to set stinger in the PBR;

Ability to set repair packer on the PBR.



## SPECIFICATIONS

Liner hanger size, in	4 x 5 1/2	4 x 5 3/4	4 1/2 x 6 5/8	4 1/2 x 7
Liner size, in	4,0	4,0	4,5	4,5
Casing size, in	5 1/2	5 3/4	6 5/8	7
Tool OD, in	4,61	4,76	5,50	5,98
Tool ID, in	3,46	3,46	3,89	3,89
Activation pressure, psi	1 800	1 800	1 800	1 800
Set down load for top packer activation, lbs	20 000	20 000	25 000	25 000
Liner top packer pressure rating, psi	10 000	10 000	10 000	10 000
Max working temperature, °F	250	250	250	250
Thread size*	4,0	4,0	4,5	4,5

\*Thread type, metallurgy and elastomers are as per Customer`s requirements

