

## X-3 ROTATING LINER HANGER PACKER

### APPLICATION

X-3 Liner Hanger Packer is designed to run in hole the liner with rotation, suspend the liner in the previous casing at the desired depth. The work string is retrieved from the well after the liner is in place and the setting tool is hydraulically released.

### FEATURES AND BENEFITS

- X-3 Liner Hanger is designed for running liners with rotation for wellbore reaming.
- Hanger includes a bearing system, which allows rotation of the X-3 Liner Hanger after activation during cementing operations, which improves the cement bond quality.
- X-3 Liner Hanger is designed for vertical, directional and horizontal wells.
- Running tool is released from the Liner Hanger Packer hydraulically.
- Back up mechanical release is available.
- Liner hanger is activated by applying differential pressure across the hydraulic cylinder eliminating any drillstring manipulation.
- Hydraulic Hanger activation allows it for use in deep, deviated wells without the need for drillstring manipulation.
- Hold down slips above packer sealing element allow to prevent the upward movement of the liner.

### LINER HANGER PACKER COMPONENTS

- Hydraulic liner hanger.
- Mechanical liner top packer with hold-down slips.

Compatible equipment (Polished Bore Receptacle, Running Tool, Pack-off bushing, Landing Collar or Activation Sub) should be confirmed by the manufacturer.

### TECHNICAL DATASHEET

| TECHNICAL CHARACTERISTICS               | VALUE           |
|---|-----------------|
| <b>Compatible running tool*</b>         | <b>HRT, POB</b> |
| <b>Liner size, in</b>                   | <b>4.500</b>    |
| <b>Casing OD, in</b>                    | <b>7.000</b>    |
| Length, ft                              | 6.9             |
| Max OD, in                              | 5.984           |
| Min ID after activation, in             | 3.898           |
| Material**                              | P-110           |
| Tensile, kip                            | 225             |
| Max differential pressure, psi          | 10,000          |
| Burst, psi                              | 10,000          |
| Collapse, psi                           | 10,000          |
| Max working temperature, °F             | 302             |
| Design Validation Grade / Quality Grade | V3 / Q2         |

\* Compatible equipment should be requested by the manufacturer.

\*\* Other options are available as per Customer request.



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