

LRP

Long Reach liner packer

APPLICATIONS

- Uncemented, horizontal wells
- Well applications requiring rotation when running in hole
- Operations requiring pushing and pulling the liner to reach target depth
- High-temperature environments
- Hanging of light liners
- Well applications requiring the liner to be held down
- Well applications requiring a hydraulic liner top packer

BENEFITS

- Minimizes completion time by rotating the liner when running in hole
- Prevents upward movement of the liner with hold-down slips for safe and secure liner installation
- Reduces trip time with large fluid bypass

FEATURES

- Integral liner hanger packer on single mandrel
- Hydraulic pusher mechanism to hang and pack off tool
- Secondary mechanical-release option
- Setting tool that accepts inner-string circulation string
- Internal bypass feature that reduces formation surge pressures
- Optional hold-down slips
- Optional thermal elastomers

The Long Reach* liner packer (LRP), part of the COLOSSUS UNC* uncemented liner hanger system, is an integral liner hanger packer that facilitates successful liner deployment in vertical and long-reach horizontal wellbores in high-temperature environments. Hydraulic-setting capability, combined with push, pull, and rotation capabilities, allows controlled liner deployment without excessive workstring manipulation. The LRP features an optional internal circulating string for wellbore fluid displacement.

The LRP is deployed using the Long Reach setting tool (LRST). The LRP includes an internal bypass feature that reduces the piston effect during running-in-hole operations.

Long Reach packer elements are available with standard or thermal elastomers for use in steam-injection applications. The LRP is available in standard 80,000-psi [552-MPa] through 125,000-psi [862-MPa] yield materials. Other yield strengths and materials are available on request.



LRP Long Reach liner packer.

LRP Specifications

Liner × Casing Size, [†] in [mm]	Casing		Liner		
	Size, in [mm]	Weight Range, lbm/ft [kg/m]	Size, in [mm]	Weight, lbm/ft [kg/m]	Max. OD, in [mm]
4.500 × 7.000 [114.3 × 177.8]	7.000 [177.8]	20.00–26.00 [29.80–38.74]	4.500 [114.3]	9.50–11.60 [14.16–17.28]	5.930 [150.6]
5.000 × 7.000 [127.0 × 177.8]	7.000 [177.8]	20.00–26.00 [29.80–38.74]	5.000 [127.0]	15.00 [22.35]	5.930 [150.6]
5.500 × 8.625 [139.7 × 219.1]	8.625 [219.1]	28.00–32.00 [41.72–47.68]	5.500 [139.7]	15.50 [23.10]	7.440 [189.0]
7.000 × 9.625 [177.8 × 244.5]	9.625 [244.5]	40.00–47.00 [59.60–70.03]	7.000 [177.8]	23.00 [34.27]	8.375 [212.7]
7.000 × 9.625 [177.8 × 244.5]	9.625 [244.5]	43.50–53.50 [64.82–79.72]	7.000 [177.8]	32.00 [47.68]	8.250 [209.6]
9.625 × 11.750 [244.5 × 298.5]	11.750 [298.5]	42.00–54.00 [62.58–80.46]	9.625 [244.5]	32.30–53.50 [48.13–79.72]	10.560 [268.2]
9.625 × 13.375 [244.5 × 339.7]	13.375 [339.7]	48.00–61.00 [71.52–90.89]	9.625 [244.5]	32.30–53.50 [48.13–79.72]	12.130 [308.1]

[†]Other sizes available on request.