

PST-D/R

Pocket-slip rotatable liner hanger with integral TBR and cement bushing

APPLICATIONS

- Wells that require tight annular clearance
- Wells that require hanging extremely heavy liners in heavy wall casing
- Wells that require rotation while running in hole to navigate around obstructions
- Hanging liners in low-strength, non-cemented, or multistring casing where thorough load distribution is critical
- Offshore and deepwater wells

BENEFITS

- Reach target depth and minimize the risk of setting hanger prematurely by rotating hanger when running in hole

FEATURES

- Large fluid bypass area aids hole clearing, reduces ECD, and decreases trip time
- Slip design that minimizes stress in supporting casing and eliminates cone collapse
- Compatibility of slip design and hardness with high-grade casing
- Drive slots in liner top to permit orientation around obstructions while running in hole
- Internal and external bypass fluid
- Integral design eliminates potential leaks and thread upset
- Optional or dual hydraulic and/or mechanical setting
- Heavy wall tubular alloy steel construction designed specifically to hang heavy liners
- Optional drillable or rotational cement bushing

The pocket-slip rotatable liner hanger (PST-D/R) is part of the COLOSSUS CMT* cemented liner hanger system. It is designed to be run in well applications that require tight annular clearance and it meets the requirements to hang extremely heavy liners in heavy-wall casing. It features an integral tieback receptacle (TBR) and either a drillable or rotational cement bushing (DCB or RCB).

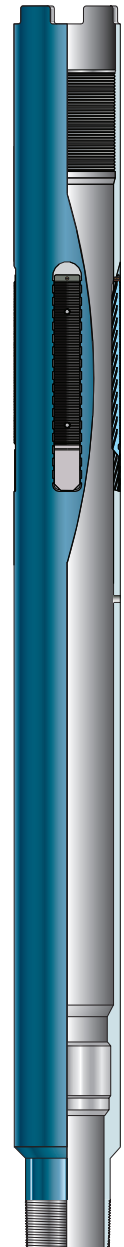
The PST-D/R features a bypass that reduces the equivalent circulating density (ECD) to a low level. The hanger's tongue-and-groove slip design minimizes running interference and reduces the potential of casing deformation after it is set. Drive slots in the liner top permit rotation when running in the hole to navigate around obstructions.

The PST-D/R is run with the pocket-slip rotating setting tool (STPR), which incorporates a hanger setting mechanism that can be activated hydraulically or mechanically during the deployment of the liner. In cases in which it is necessary to maintain pressure integrity at the liner top, the PST-D/R can be run with a second trip packer to provide for extra sealing capability.

The PST-D/R uses standard 80,000-psi [552-MPa] through 125,000-psi [862-MPa] yield materials. Other yield strengths and materials are available by special request.

PST-D/R Specifications

Liner × Casing, in [mm]	Casing, lbm/ft
4 × 5½ [101.60 × 139.70]	20 [29.72]
7 × 8% [177.80 × 219.08]	24 [35.66]
	40 [59.44]
7 × 9% [177.80 × 244.48]	70 [104.04]
8% × 10% [219.08 × 273.05]	45.5 [67.62]
	51.00–55.00 [75.80–81.74]
9% × 11% [238.13 × 298.45]	79.00–80.50 [117.41–119.64]
9% × 11% [250.95 × 289.45]	65 [96.6]
	87.20–94.00 [129.59–139.70]
11¼ × 13% [289.45 × 339.72]	68.00–72.00 [101.06–107.01]
11¼ × 13% [289.45 × 346.08]	82.00 [131.08]



PST-R pocket-slip rotatable liner hanger with integral TBR and RCB profile.

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