

HPS

Hydraulically set pocket-slip hanger

APPLICATIONS

- Vertical, deviated, and horizontal wells
- Deepwater and deep onshore wells
- High pressure, high temperature environments
- Well applications requiring hanging heavy liners

BENEFITS

- Ability to rotate liner when running inhole helps achieve target depth on schedule and thus minimizes completion time
- Rotating the liner while cementing improves cement integrity and thus enhances well stability and safety.
- Deploying a liner hanger reduces well costs

FEATURES

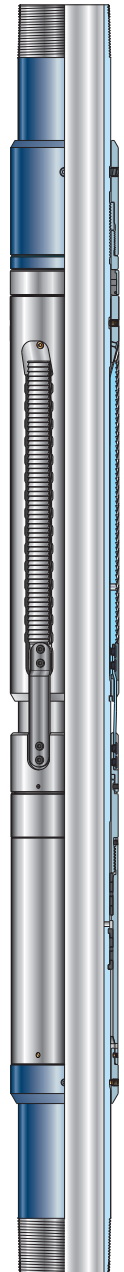
- Liner can be rotated while being run inhole
- Bearing allows rotation of liner during cementing
- Slip design minimizes stress in supporting casing
- System is designed to hang heavy liners
- Slip design eliminates cone collapse
- Slip design and hardness are compatible with high-grade casing
- Bearing can be removed for nonrotational applications
- Liner hanger can be run with or without a packer

The hydraulically set pocket-slip (HPS) hanger, part of the COLOSSUS CMT* cemented liner hanger system, has heavy-duty rotating capabilities. The tongue-and-groove slip design minimizes running interference and reduces the potential of casing deformation after the hanger is set. The slips also feature an effective cone angle two times larger than those found on conventional hangers, thus reducing the burst pressure exerted on the casing and allowing longer and heavier liners to be run on multistring or uncemented casing.

The HPS liner hanger can be configured with a spacer sleeve in place of the bearing assembly with the same hanging capacities and minimal casing load characteristics for nonrotating applications. The hydraulically set liner hanger is standard; a mechanically set version is also available—the rotating pocket-slip mechanical (RPSM) liner hanger.

The HPS liner hanger is run with a setting adapter or packer and the corresponding running tool. The STHR hydraulic-release setting tool or CRT collet running tool or the STS double-spline mechanical setting tool or RRT right-hand release running tool provides rotational capability.

The HPS liner hanger uses standard 80,000-psi through 125,000-psi yield materials. Other yield strengths and materials are available by special order.



HPS hydraulically set pocket-slip hanger.

HPS Specifications

Liner × Casing Size, [†] in [mm]	Casing		Liner		
	Size, in [mm]	Weight, lbm/ft	Size, in [mm]	Weight, lbm/ft	Max. OD, in [mm]
5.000 × 7.000 [127.0 × 177.8]	7.000 [177.8]	23.00–26.00	5.000 [127.0]	11.50–24.10	6.050 [153.7]
5.000 × 7.000 [127.0 × 177.8]	7.000 [177.8]	26.00–29.00	5.000 [127.0]	11.50–24.10	5.930 [150.6]
5.000 × 7.000 [127.0 × 177.8]	7.000 [177.8]	29.00–32.00	5.000 [127.0]	11.50–24.10	5.820 [147.8]
5.000 × 7.000 [127.0 × 177.8]	7.000 [177.8]	32.00–35.00	5.000 [127.0]	11.50–24.10	5.820 [147.8]
5.000 × 7.625 [127.0 × 193.7]	7.625 [193.7]	33.7–39.00	5.000 [127.0]	11.50–24.10	6.380 [162.1]
5.500 × 7.625 [139.7 × 193.7]	7.625 [193.7]	24.00–29.70	5.500 [139.7]	14.00–23.00	6.620 [163.1]
5.500 × 7.625 [139.7 × 193.7]	7.625 [193.7]	33.70–39.00	5.500 [139.7]	14.00–23.00	6.420 [163.1]
7.000 × 9.625 [177.8 × 244.5]	9.625 [244.5]	36.00–43.50	7.000 [177.8]	17.00–38.00	8.430 [214.1]
7.000 × 9.625 [177.8 × 244.5]	9.625 [244.5]	47.00–53.50	7.000 [177.8]	17.00–38.00	8.250 [209.6]
7.000 × 10.750 [177.8 × 273.0]	10.750 [273.0]	55.50–65.70	7.000 [177.8]	17.00–38.00	9.250 [235.0]
7.000 × 10.750 [177.8 × 273.0]	10.750 [273.0]	71.10–85.30	7.000 [177.8]	17.00–38.00	8.880 [225.6]
7.625 × 9.625 [193.7 × 244.5]	9.625 [244.5]	43.50–47.00	7.625 [193.7]	24.00–47.10	8.450 [214.6]
7.625 × 9.625 [193.7 × 244.5]	9.625 [244.5]	53.5	7.625 [193.7]	24.00–47.10	8.310 [211.1]
4.500 × 7.000 [114.3 × 177.8]	7.000 [177.8]	23.0–26.0	4.500 [114.3]	9.60–12.6	5.937 [150.8]
4.500 × 7.000 [114.3 × 177.8]	7.000 [177.8]	29.0–32.0	4.500 [114.3]	9.6–12.6	5.812 [147.6]
4.500 × 7.000 [114.3 × 177.8]	7.000 [177.8]	35.0–38.0	4.500 [114.3]	9.6–12.6	5.625 [142.9]
4.500 × 7.000 [114.3 × 177.8]	7.000 [177.8]	35.0–38.0	5.000 [127.0]	11.5–24.10	5.625 [142.9]
9.625 × 13.375 [339.8 × 339.8]	13.375 [339.8]	61.0–85.0	9.625 [298.5]	47.0	11.715 [297.6]
11.75 × 13.375 [298.5 × 339.8]	13.375 [339.8]	68.0–72.0	11.75 [339.8]	60.0	12.144 [308.5]

[†]Other sizes available on request