

DESCRIPTION

A-HNRI-2, A-331 – Hydraulic Recessed Slip non-rotating Liner Hanger w/ Integral LTP w/ Hold Down

The A-HNRI-2 hydraulic set non-rotating liner hanger can be used where mechanical manipulation of the string is not possible and heavier liners need to be hanged.

The Slips are designed for optimized load distribution and flow area. Case hardened to grip in the highest grade of casings.

This liner hanger system portfolio includes recessed slip type liner hangers, such as mechanical or hydraulic-set, coupled with a full range of integrated liner-top packers, setting sleeve with pack off bushing profile required for a variety of applications

The recessed Slips make it suitable for difficult wellbores and high deviation wells.

Also rotating version equipped with a high capacity bearing that allows for high torque transmission and allowing the string to be rotated during running in and after setting of the liner hanger. Rotation of the String during cementing operations allows for better cement bonding with the casing.

The Hanger features an Anti-Preset mechanism that reduces risks of premature setting during running into the wellbore

FEATURES

- No mechanical manipulation required for setting
- Fully recessed slips facilitate running in and drill down operations
- Uniform Slip Loading
- Internal body lock ring maintains positive set in seal element

BENEFITS

- Compact rugged constructions
- Available with or without hold-down slip
- Available in rotating and rotatable version
- Rotation during cementing operation allows better cement bonding and integrity
- Modular design adjustable to application configuration

APPLICATIONS

- Vertical and horizontal deep wells
- High pressure and temperature environments
- Hanging heavy liners



DIMENSIONAL SPECIFICATIONS

Liner Hanger Size (Liner x Casing)	Casing Weight		Maximum OD	
	in.	lb/ft	kg/m	in.
2-7/8 x 4-1/2	10.50-12.60	15.66-18.79	3.75	95.25
3-1/2 x 5-1/2	13-15.5	19.38-23.11	4.625	117.48
	17	25.35	4.5	114.3
	20-23	29.82-34.30	4.375	111.12
4 x 5-3/4	17-19.5	25.35-29.08	4.9	124.46
4-1/2 x 6-5/8	20-24	29.83-35.79	5.75	146.05
	28-32	41.75-47.72	5.375	136.53
4-1/2 x 7	23-26	34.30-38.77	6.05	153.67
	26-32	38.77-47.72	5.875	149.22
	35	52.19	5.75	146.05
	38-41	56.67-61.14	5.625	142.87
5 x 7	17	23.35	6.25	158.75
	23-26	34.30-38.77	6	152.4
	26-32	38.77-47.72	5.875	149.22
	35	52.19	5.8	147.32
	38	56.67	5.625	142.87
5 x 7-5/8	20-26.4	29.82-39.37	6.688	169.87
	29.7-33.7	44.29-50.25	6.5	165.1
	39	58.16	6.375	161.92
5-1/2 x 7	23	34.3	6.156	156.36
	23-26	34.30-38.77	6.125	155.57
	26-29	38.77-43.25	6.03	153.16
5-1/2 x 7-5/8	20-26.4	29.82-39.37	6.688	169.87
	29.7-33.7	44.29-50.25	6.5	165.1
	39	58.16	6.375	161.92
	42.8-45.3	63.83-67.55	6.25	158.75

Liner Hanger Size (Liner x Casing)	Casing Weight		Maximum OD	
	in.	lb/ft	kg/m	in.
5-1/2 x 8-5/8	24-28	35.79-41.75	7.75	196.85
	32-36	47.72-53.68	7.562	192.07
6-5/8 x 8-5/8	40-44	59.65-65.62	7.375	187.32
7 x 9-5/8	32-36	47.72-53.68	8.5	215.9
	40-47	59.65-70.09	8.375	212.72
	47-53.5	70.09-79.78	8.313	211.15
	53.5-61.1	79.78-91.12	8.125	206.37
7-5/8 x 9-5/8	43.5-47	64.87-70.09	8.437	214.29
	53.5	79.78	8.313	211.15
7-5/8 x 10-3/4	45.5-55.5	67.85-82.77	9.5	241.3
	60.7	90.52	9.375	238.12
	65.7-71.1	97.98-106.03	9.188	233.37
7-5/8 x 11-3/4	60-66.7	89.48-99.47	10.375	263.52
8-5/8 x 10-3/4	60.7	90.52	9.4	238.76
9-5/8 x 11-3/4	60-66.7	89.48-99.47	10.438	265.12
	66.7-71	99.47-105.88	10.375	263.52
9-5/8 x 11-7/8	71.8	107.08	10.438	265.12
9-5/8 x 13-3/8	61-68	90.97-101.41	11.875	301.62
	72-86	107.37-128.25	11.75	298.45

Additional sizes/weights may be available upon request