

DESCRIPTION

A-MNR-1, 2 (Single Cone, Double Cone) A-004 – Mechanical Non-Rotating Liner Hanger

The A-MNR mechanical-set liner hanger can be used in wells where the work string can be manipulated to set the hanger. The Hanger consists of a J-cage assembly that carries the Drag Springs and Slips and a Body.

When the Liner Hanger reaches the desired setting depth, lifting up the hanger body and rotating it moves the Pin in the J slot from the running position to the setting position, bringing the slips in-line with the cones, slacking off moves the Slips over the Cones and sets the Hanger. The gauge ring machined on the Body protects the slips during running in.

The Hanger body is manufactured from a single piece of tubing, with J pin, Gauge ring, and Cones machined onto the Body itself. Case hardened Slips ensure biting into high-grade casings.

FEATURES

- Integral Cone, J-Pin and Gauge Ring
- Available in Right and Left hand set configurations
- Multiple Cones to minimize stress
- Improved bypass flow.
- Ease of operation.

BENEFITS

- Compact rugged design.
- Ease of use, reduced costs.

APPLICATIONS

- Vertical and low inclination wells



DIMENSIONAL SPECIFICATIONS

Liner Hanger Size (Liner x Casing)	Casing Weight		Maximum OD	
	in.	lb/ft	kg/m	in.
3-1/2 x 5	13-15	19.38-22.37	4.188	106.37
	18	26.84	4.062	103.17
3-1/2 x 5-1/2	14-15.5	20.87-23.11	4.625	117.47
	17	25.35	4.5	114.3
	20-23	29.82-34.29	4.375	111.12
4 x 5-1/2	14-15.5	20.87-23.11	4.75	120.65
	17	25.35	4.625	117.47
	23	34.29	4.46	113.28
4-1/2 x 6-5/8	28-32	41.75-47.71	5.375	136.52
	35	52.19	5.35	135.89
4-1/2 x 7	20-26	29.82-38.77	6	152.4
	26-32	38.77-47.71	5.875	149.22
	35	52.19	5.75	146.05
	38-41	56.66-61.13	5.625	142.87
5 x 7	17-20	25.35-29.82	6.125	155.57
	23	34.29	6	152.4
	26-32	38.77-47.71	5.875	149.22
	35	52.19	5.75	146.05
	38-41	56.66-61.13	5.625	142.87
5 x 7-5/8	20-26.4	29.82-39.36	6.688	169.87
	29.7-33.7	44.28-50.25	6.5	165.1
	39	58.15	6.375	161.92
	39-45.3	58.15-67.56	6.25	158.75
	42.8-45.3	63.83-67.56	6.125	155.57
5-1/2 x 7	23	34.29	6.156	156.36
	23-26	34.29-38.77	6.062	153.97
	29	43.24	5.97	151.63
5-1/2 x 7-5/8	20-26.4	29.82-39.36	6.688	169.87
	29.7-33.7	44.28-50.25	6.5	165.1
	39	58.15	6.375	161.92
	42.8-45.3	63.83-67.56	6.25	158.75
5-1/2 x 8-5/8	32-36	47.71-53.68	7.562	192.07
6-5/8 x 8-5/8	40-44	59.64-65.62	7.375	187.32
7 x 8-5/8	24	35.78	7.875	200.02

Liner Hanger Size (Liner x Casing)	Casing Weight		Maximum OD	
	in.	lb/ft	kg/m	in.
7 x 9-5/8	32.3-36	48.16-53.68	8.5	215.9
	40-47	59.64-70.08	8.375	212.72
	47-53.5	70.08-79.77	8.312	211.12
	53.5-61.1	79.77-91.12	8.125	206.37
	70.3	104.84	7.875	200.02
7 x 10-3/4	45.5-55.5	67.84-82.77	9.5	241.3
	60.7-71.1	90.52-106.03	9.25	234.95
7-5/8 x 9-5/8	36-40	53.68-59.64	8.6	218.44
	43.5-47	64.86-70.08	8.437	214.29
	53.5	79.77	8.313	211.15
	58.4	87.09	8.25	209.55
7-5/8 x 10-3/4	32.7-40.5	48.76-60.39	9.75	247.65
	45.5-55.5	67.84-82.77	9.5	241.3
	60.7	90.52	9.375	238.12
	65.7-71.1	97.98-106.03	9.187	233.34
	73.2	109.16	9.125	231.77
	85.3	127.21	8.875	225.42
9-5/8 x 11-3/4	60-66.7	89.48-99.47	10.437	265.09
	71.1-73.6	106.03-109.76	10.312	261.92
	80.5	120.05	10.188	258.77
9-5/8 x 13-3/8	48-54.5	71.57-81.28	12	304.8
	62-68	92.46-101.41	11.875	301.62
	72-85	107.37-126.76	11.75	298.45
10-3/4 x 13-3/8	61-68	90.97-101.41	12.125	307.97
	72-77	107.37-114.83	12	304.8
11-3/4 x 13-3/8	54.5-68	81.28-101.41	12.2	309.88
	68-72	101.41-107.37	12.13	308.1
	77	114.83	12.07	306.57
11-7/8 x 16	146	217.73	13.875	352.42
16 x 20	133-169	198.34-252.03	18.125	460.37

Additional sizes/weights may be available upon request