



## Lock Nut Cylinders

*HLN Series - Heavy Lifting w/  
Mechanical Lock Nut*



### Capacity:

55-300 Tons

### Stroke:

1.97 - 11.81 Inches

### Max. Operating Pressure:

10,000 psi

### Min. - Max. Height:

6.50 - 33.27 Inches



- Single acting cylinder with mechanical safety lock nut
- Designed to support loads without hydraulic pressure
- Overflow port prevents cylinders from over travel
- Load return
- Solid steel cylinder body
- Electroless nickel plated rod to resist corrosion and rust
- Maximum working pressure: 10,000 psi / 700 bar

#### Optional Tilt Saddles

SDT55	→	HLN55, HLN100 Cylinders
SDT200	→	HLN150, HLN200 Cylinders



Saddles tilt to a 5° max to adjust to the load.

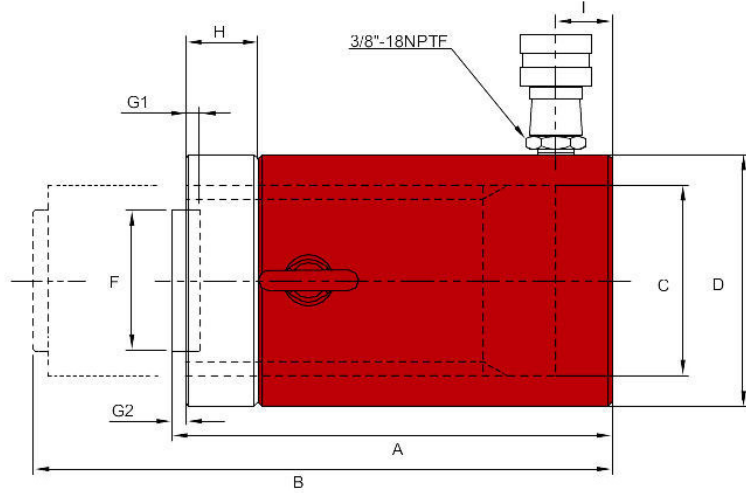
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(42) HLN5508 lock nut cylinders lifting the Jordan Bridge in Chesapeake, VA.



Cylinder Capacity (tons)	Stroke (in)	Model Number	Cylinder Effective Area (in <sup>2</sup> )	Oil Capacity (in <sup>3</sup> )	Weight (lbs)
55	1.97	HLN5502	10.99	21.65	34.0
	3.94	HLN5504	10.99	43.27	45.0
	5.91	HLN5506	10.99	64.90	55.0
	7.87	HLN5508	10.99	86.54	66.0
	9.84	HLN5510	10.99	108.17	77.0
	11.81	HLN5512	10.99	129.80	87.0
100	1.97	HLN10002	20.57	40.49	67.0
	3.94	HLN10004	20.57	80.98	86.0
	5.91	HLN10006	20.57	121.48	104.0
	7.87	HLN10008	20.57	161.97	123.0
	9.84	HLN10010	20.57	202.46	141.0
	11.81	HLN10012	20.57	242.95	160.0
150	1.97	HLN15002	31.16	61.39	116.0
	3.94	HLN15004	31.16	122.79	145.0
	5.91	HLN15006	31.16	184.18	174.0
	7.87	HLN15008	31.16	245.27	202.0
	9.84	HLN15010	31.16	306.66	231.0
	11.81	HLN15012	31.16	368.05	259.0
200	1.97	HLN20002	41.00	80.70	181.0
	3.94	HLN20004	41.00	161.38	218.0
	5.91	HLN20006	41.00	242.00	256.0
	7.87	HLN20008	41.00	323.00	293.0
	9.84	HLN20010	41.00	403.50	331.0
	11.81	HLN20012	41.00	484.15	368.0
250	1.97	HLN25002	56.27	110.77	253.0
	5.91	HLN25006	56.27	332.32	356.0
	11.81	HLN25012	56.27	664.64	510.0
300	1.97	HLN30002	70.41	138.61	379.0
	5.91	HLN30006	70.41	415.83	510.0
	11.81	HLN30012	70.41	831.66	706.0

**(716) 893-6510**



**HLN Series**

**Safety Color Band**



BVA Lock nut cylinders are equipped with a yellow safety band. Do not extend the ram beyond this point as it may result in a loss of hydraulic oil and damage to the cylinder and/or load.

**80%**

**Safety Practices**

Good industry practice recommends not exceeding 80% of maximum rated capacities of all our products.

Model Number	Collapsed Height A (in)	Extended Height B (in)	Cylinder Bore Diameter C (in)	Outside Diameter D (in)	Saddle Diameter F (in)	Depth of Rod Hole G1 (in)	Saddle Protrusion From Rod G2 (in)	Lock Nut Length H (in)	Base to Inlet Port I (in)
HLN5502	6.50	8.40	3.70	4.90	2.80	0.51	0.08	1.40	1.10
HLN5504	8.40	12.40	3.70	4.90	2.80	0.51	0.08	1.40	1.10
HLN5506	10.40	16.30	3.70	4.90	2.80	0.51	0.08	1.40	1.10
HLN5508	12.40	20.20	3.70	4.90	2.80	0.51	0.08	1.40	1.10
HLN5510	14.30	24.20	3.70	4.90	2.80	0.51	0.08	1.40	1.10
HLN5512	16.30	28.10	3.70	4.90	2.80	0.51	0.08	1.40	1.10
HLN10002	7.40	9.30	5.10	6.50	2.80	0.51	0.08	1.80	1.10
HLN10004	9.30	13.30	5.10	6.50	2.80	0.51	0.08	1.80	1.10
HLN10006	11.30	17.20	5.10	6.50	2.80	0.51	0.08	1.80	1.10
HLN10008	13.30	21.10	5.10	6.50	2.80	0.51	0.08	1.80	1.10
HLN10010	15.20	25.10	5.10	6.50	2.80	0.51	0.08	1.80	1.10
HLN10012	17.20	29.00	5.10	6.50	2.80	0.51	0.08	1.80	1.10
HLN15002	8.23	10.20	6.30	8.07	5.12	0.98	0.08	1.73	1.54
HLN15004	10.20	14.13	6.30	8.07	5.12	0.98	0.08	1.73	1.54
HLN15006	12.17	18.07	6.30	8.07	5.12	0.98	0.08	1.73	1.54
HLN15008	14.13	22.01	6.30	8.07	5.12	0.98	0.08	1.73	1.54
HLN15010	16.10	25.94	6.30	8.07	5.12	0.98	0.08	1.73	1.54
HLN15012	18.07	29.88	6.30	8.07	5.12	0.98	0.08	1.73	1.54
HLN20002	9.57	11.50	7.22	9.25	5.12	0.98	0.08	1.97	1.97
HLN20004	11.54	15.47	7.22	9.25	5.12	0.98	0.08	1.97	1.97
HLN20006	13.50	19.50	7.22	9.25	5.12	0.98	0.08	1.97	1.97
HLN20008	15.50	23.40	7.22	9.25	5.12	0.98	0.08	1.97	1.97
HLN20010	17.40	27.30	7.22	9.25	5.12	0.98	0.08	1.97	1.97
HLN20012	19.41	31.22	7.22	9.25	5.12	0.98	0.08	1.97	1.97
HLN25002	9.80	11.77	8.46	10.83	5.91	0.98	0.08	2.20	1.97
HLN25006	13.74	19.65	8.46	10.83	5.91	0.98	0.08	2.20	1.97
HLN25012	19.65	31.46	8.46	10.83	5.91	0.98	0.08	2.20	1.97
HLN30002	11.61	13.58	9.47	12.20	5.47	0.98	0.20	2.36	2.32
HLN30006	15.55	21.46	9.47	12.20	5.47	0.98	0.20	2.36	2.32
HLN30012	21.46	33.27	9.47	12.20	5.47	0.98	0.20	2.36	2.32