LOCK NUT & LONG STROKE CYLINDERS | OEM CROSS-REFERENCE: ENERPAC HCL SERIES EQUIVALENT

HSC-LNH Series Single-Acting High-Tonnage Lock Nut Cylinders

Single-acting load-return high-tonnage lock nut hydraulic cylinders rated for 700 Bar (10,000 PSI), engineered for sustained mechanical load holding, bridge deck jacking, and heavy structural leveling across 50 to 1,000 Ton capacities.



View Online & Get Quote ->

RATED CAPACITY	STROKE RANGE	ACTING TYPE
50 - 1,000 Metric Tons	50 - 300 mm (1.97 - 11.81 in)	Single-Acting, Load-Return with Mechanical Lock Nut

SIDE-LOAD RESISTANCE	BEARING & PROTECTION	MAX WORKING PRESSURE
Up to 10% Side Load (Up to 90% of Max. Stroke)	Replaceable Plunger Bearings & Overflow Limiter Port	700 Bar (10,000 PSI)

Model	Capacity @10,000 PSI (700 bar) [Metric Ton]	Stroke [mm]	Cyl. Effective Area [cm2]	Oil Capacity [cm3]	Closed Height (A) [mm]	Extended Height (B) [mm]	Outside Diam. (D) [mm]	Cylinder Bore Diam. (E) [mm]	Plunger Diam. (F)	Standard Saddle Diam. (J) [mm]	Locknut Height (S) [mm]	Weight [Kg]
HSC-LNH502	50	50	78.5	393	164	214	130	100	Tr 100 x 4	71	25	17
HSC-LNH504	50	100	78.5	785	214	314	130	100	Tr 100 x 4	71	25	22
HSC-LNH506	50	150	78.5	1178	264	414	130	100	Tr 100 x 4	71	25	27
HSC-LNH508	50	200	78.5	1571	314	514	130	100	Tr 100 x 4	71	25	32
HSC-LNH5010	50	250	78.5	1963	364	614	130	100	Tr 100 x 4	71	25	38
HSC-LNH5012	50	300	78.5	2356	414	714	130	100	Tr 100 x 4	71	25	43
HSC-LNH1002	100	50	143.1	716	187	237	175	135	Tr 135 x 6	71	33	35
HSC-LNH1004	100	100	143.1	1431	237	337	175	135	Tr 135 x 6	71	33	44
HSC-LNH1006	100	150	143.1	2147	287	437	175	135	Tr 135 x 6	71	33	54
HSC-LNH1008	100	200	143.1	2863	337	537	175	135	Tr 135 x 6	71	33	63
HSC-LNH10010	100	250	143.1	3578	387	637	175	135	Tr 135 x 6	71	33	73
HSC-LNH10012	100	300	143.1	4294	437	737	175	135	Tr 135 x 6	71	33	82
HSC-LNH1502	150	50	213.8	1069	209	259	215	165	Tr 165 x 6	130	40	59
HSC-LNH1504	150	100	213.8	2138	259	359	215	165	Tr 165 x 6	130	40	73
HSC-LNH1506	150	150	213.8	3207	309	459	215	165	Tr 165 x 6	130	40	87
HSC-LNH1508	150	200	213.8	4276	359	559	215	165	Tr 165 x 6	130	40	102
HSC-LNH15010	150	250	213.8	5346	409	659	215	165	Tr 165 x 6	130	40	116
HSC-LNH15012	150	300	213.8	6415	459	759	215	165	Tr 165 x 6	130	40	130
HSC-LNH2002	200	50	283.5	1418	238	288	250	190	Tr 190 x 6	130	45	85
HSC-LNH2004	200	100	283.5	2835	288	388	250	190	Tr 190 x 6	130	45	105
HSC-LNH2006	200	150	283.5	4253	338	488	250	190	Tr 190 x 6	130	45	124
HSC-LNH2008	200	200	283.5	5671	388	588	250	190	Tr 190 x 6	130	45	143
HSC-LNH20010	200	250	283.5	7088	438	688	250	190	Tr 190 x 6	130	45	163
HSC-LNH20012	200	300	283.5	8506	488	788	250	190	Tr 190 x 6	130	45	182
HSC-LNH2502	250	50	363.1	1815	249	299	280	215	Tr 215 x 6	140	52	119
HSC-LNH2504	250	100	363.1	3631	299	399	280	215	Tr 215 x 6	140	52	143
HSC-LNH2506	250	150	363.1	5446	349	499	280	215	Tr 215 x 6	140	52	167
HSC-LNH2508	250	200	363.1	7261	399	599	280	215	Tr 215 x 6	140	52	192

HSC-LNH Series Single-Acting High-Tonnage Lock Nut Cylinders - Specification Matrix (Continued) | Click any row to open online interactive datasheet & quote

Model	Capacity @10,000 PSI (700 bar) [Metric Ton]	Stroke [mm]	Cyl. Effective Area [cm2]	Oil Capacity [cm3]	Closed Height (A) [mm]	Extended Height (B) [mm]	Outside Diam. (D) [mm]	Cylinder Bore Diam. (E) [mm]	Plunger Diam. (F)	Standard Saddle Diam. (J) [mm]	Locknut Height (S) [mm]	Weight [Kg]
HSC-LNH25010	250	250	363.1	9076	449	699	280	215	Tr 215 x 6	140	52	216
HSC-LNH25012	250	300	363.1	10892	499	799	280	215	Tr 215 x 6	140	52	240
HSC-LNH3002	300	50	433.7	2169	278	328	305	235	Tr 235 x 6	140	56	158
HSC-LNH3004	300	100	433.7	4337	328	428	305	235	Tr 235 x 6	140	56	186
HSC-LNH3006	300	150	433.7	6506	378	528	305	235	Tr 235 x 6	140	56	215
HSC-LNH3008	300	200	433.7	8675	428	628	305	235	Tr 235 x 6	140	56	244
HSC-LNH30010	300	250	433.7	10843	478	728	305	235	Tr 235 x 6	140	56	272
HSC-LNH30012	300	300	433.7	13012	528	828	305	235	Tr 235 x 6	140	56	301
HSC-LNH4002	400	50	572.6	2863	317	367	350	270	Tr 270 x 6	159	65	236
HSC-LNH4004	400	100	572.6	5726	367	467	350	270	Tr 270 x 6	159	65	274
HSC-LNH4006	400	150	572.6	8588	417	567	350	270	Tr 270 x 6	159	65	311
HSC-LNH4008	400	200	572.6	11451	467	667	350	270	Tr 270 x 6	159	65	349
HSC-LNH40010	400	250	572.6	14314	517	767	350	270	Tr 270 x 6	159	65	387
HSC-LNH40012	400	300	572.6	17177	567	867	350	270	Tr 270 x 6	159	65	425
HSC-LNH5002	500	50	730.6	3653	357	407	400	305	Tr 305 x 6	179	72	341
HSC-LNH5004	500	100	730.6	7306	407	507	400	305	Tr 305 x 6	179	72	390
HSC-LNH5006	500	150	730.6	10959	457	607	400	305	Tr 305 x 6	179	72	439
HSC-LNH5008	500	200	730.6	14612	507	707	400	305	Tr 305 x 6	179	72	489
HSC-LNH50010	500	250	730.6	18265	557	807	400	305	Tr 305 x 6	179	72	538
HSC-LNH50012	500	300	730.6	21918	607	907	400	305	Tr 305 x 6	179	72	587
HSC-LNH6002	600	50	855.3	4276	380	430	430	330	Tr 330 x 6	194	80	427
HSC-LNH6004	600	100	855.3	8553	430	530	430	330	Tr 330 x 6	194	80	484
HSC-LNH6006	600	150	855.3	12829	480	630	430	330	Tr 330 x 6	194	80	541
HSC-LNH6008	600	200	855.3	17106	530	730	430	330	Tr 330 x 6	194	80	598
HSC-LNH60010	600	250	855.3	21382	580	830	430	330	Tr 330 x 6	194	80	655
HSC-LNH60012	600	300	855.3	25659	630	930	430	330	Tr 330 x 6	194	80	712
HSC-LNH8002	800	50	1164.2	5821	430	480	505	385	Tr 385 x 6	224	90	668
HSC-LNH8004	800	100	1164.2	11642	480	580	505	385	Tr 385 x 6	224	90	746
HSC-LNH8006	800	150	1164.2	17462	530	680	505	385	Tr 385 x 6	224	90	825
HSC-LNH8008	800	200	1164.2	23283	580	780	505	385	Tr 385 x 6	224	90	904
HSC-LNH80010	800	250	1164.2	29104	630	880	505	385	Tr 385 x 6	224	90	982
HSC-LNH80012	800	300	1164.2	34925	680	980	505	385	Tr 385 x 6	224	90	1061
HSC-LNH10002	1000	50	1520.5	7603	484	534	570	440	Tr 440 x 6	249	105	959
HSC-LNH10004	1000	100	1520.5	15205	534	634	570	440	Tr 440 x 6	249	105	1059
HSC-LNH10006	1000	150	1520.5	22808	584	734	570	440	Tr 440 x 6	249	105	1160
HSC-LNH10008	1000	200	1520.5	30411	634	834	570	440	Tr 440 x 6	249	105	1260

HSC-LNH Series Single-Acting High-Tonnage Lock Nut Cylinders - Specification Matrix (Continued) | Click any row to open online interactive datasheet & quote

Model	Capacity @10,000 PSI (700 bar) [Metric Ton]	Stroke [mm]	Cyl. Effective Area [cm2]	Oil Capacity [cm3]	Closed Height (A) [mm]	Extended Height (B) [mm]	Outside Diam. (D) [mm]	Cylinder Bore Diam. (E) [mm]	Plunger Diam. (F)	Standard Saddle Diam. (J) [mm]	Locknut Height (S) [mm]	Weight [Kg]
HSC-LNH100010	1000	250	1520.5	38013	684	934	570	440	Tr 440 x 6	249	105	1360
HSC-LNH100012	1000	300	1520.5	45616	734	1034	570	440	Tr 440 x 6	249	105	1460

HSC-LNH Series Single-Acting High-Tonnage Lock Nut Cylinders - Base Mounting Holes

Model / Capacity	Bolt Circle (U) [mm]	Thread Size (V)	Min. Thread Depth (Z) [mm]	Number of Holes	Angle from Coupler
HSC-LNH50 (50T)	105	M8 x 1.25	10	2	90°
HSC-LNH100 (100T)	150	M12 x 1.75	17	2	90°
HSC-LNH150 (150T)	185	M12 x 1.75	22	2	90°
HSC-LNH200 (200T)	215	M12 x 1.75	22	3	60°
HSC-LNH250 (250T)	245	M12 x 1.75	22	3	60°
HSC-LNH300 (300T)	260	M16 x 2	25	3	60°
HSC-LNH400 (400T)	300	M16 x 2	25	3	60°
HSC-LNH500 (500T)	340	M24 x 3	36	3	60°
HSC-LNH600 (600T)	370	M24 x 3	36	3	60°
HSC-LNH800 (800T)	440	M24 x 3	36	3	60°
HSC-LNH1000 (1000T)	500	M24 x 3	36	3	60°

Engineering Note: All dimensions in mm unless otherwise noted.