HHN-L Series Mechanical Lock-Ring Hydraulic Nuts

Ultra-high pressure 1500 Bar (150 MPa) mechanical lock-ring hydraulic nuts delivering 226 to 3864 kN pure axial bolt elongation. Eliminates thread galling and friction while integral knurled lock rings permanently preserve bolt pre-tension across M27 to M125 critical flanges.



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RATED PRESSURE	PRELOAD CAPACITY	METRIC THREAD RANGE
1500 BAR ULTRA-HIGH PRESSURE	226 to 3864 kN (23 to 394 Metric Tons)	M27 to M125 Standard (Custom M22-M600 Available)

AXIAL STROKE	PRELOAD RETENTION	TIGHTENING ACCURACY
6 to 20 mm Pure Axial Hydraulic Extension	Mechanical Lock-Ring for Permanent Clamping	Friction-Free Pure Axial Tensioning

Model	Thread Size	Outside Diam. [mm]	Max Tension Force [kN]	Effective Area [mm²]	Thickness [mm]	Stroke [mm]	Weight [kg]
HHN-L-1-M27	27	75	226	1571	66	6	2.1
HHN-L-1-M30	30	75	226	1571	66	6	2.1
HHN-L-1-M33	33	83	268	1571	66	6	3.3
HHN-L-2-M36	36	90	333	2534	66	8	3.3
HHN-L-2-M39	39	95	373	2534	66	8	3.3
HHN-L-3-M42	42	101	428	3195	74	8	4.4
HHN-L-3-M45	45	105	447	3195	74	8	4.4
HHN-L-3-M48	48	113	521	3195	74	8	4.4
HHN-L-3-M52	52	122	624	3195	74	10	4.4
HHN-L-4-M56	56	136	787	4006	78	10	5.1
HHN-L-5-M64	64	150	931	4477	84	10	6.4
HHN-L-6-M68	68	160	1046	5635	84	10	8.0
HHN-L-7-M72	72	170	1256	7540	92	15	11.6
HHN-L-7-M80	80	192	1667	7540	112	15	11.6
HHN-L-8-M90	90	210	2022	10603	112	15	24.0
HHN-L-8-M95	95	220	2177	10603	122	15	24.0
HHN-L-9-M100	100	235	2488	15080	137	20	31.0
HHN-L-10-M110	110	255	2864	16022	137	20	33.6
HHN-L-11-M125	125	290	3864	16965	143	20	36.5