

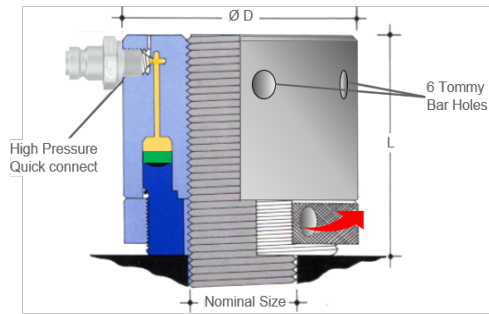
Tensioning Systems



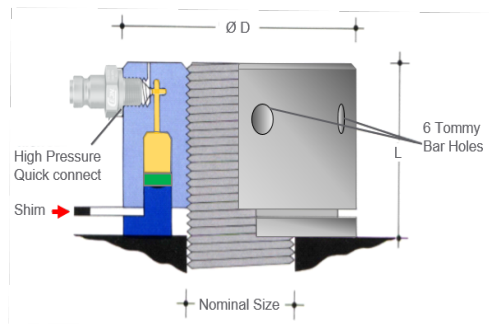
Pilgrim's Hydraulically Installed Locking Nuts (ST & LRL)

Pilgrim's Locking Nut is a combined tensioner and nut designed to remain in-situ following installation. If your need is to join faces with integrity, predictability and speed or want to remove the possibility of galling, then this Pilgrim solution is ideal, there is an option to either select from our standard range (Below) or if required we can create bespoke solutions.

LRL Type Locking Collar



ST Type Shim



Features

- Available also in quick release.
- Available with side or top entry connections.
- Figures are given for operating pressure of 30,000 lbs/in² (2070 Bar). Max Operating
- Bespoke nut designs, such as High temp or thread forms (on request).

Typical Applications

- Steam Turbines
- Reactor Heads
- Pumps
- Rollings Mills, Shear Cutters etc
- Mining
- Press Construction
- Diesel Engines
- Cable Tensioning
- Other Bolting
- Wellhead Equipment

NUT TYPE	NOMINAL SIZE		D		L		MAX PISTON STROKE		LOAD DEVELOPMENT		APPROX WEIGHT	
	in	mm	in	mm	in	mm	in	mm	lbs f	Kg f	lbs	Kg
ST	1-3/8	M36	2.96	75	1.93	49	0.08	2	69,682	31,616	2.9	1.3
LRL	1-3/8	M36	2.96	75	2.40	61	0.08	2	69,682	31,616	4.2	1.9
ST	1-7/8	M48	3.78	96	2.13	54	0.08	2	108,139	49,065	5.1	2.3
LRL	1-7/8	M48	3.78	96	2.68	68	0.08	2	108,139	49,065	7.0	3.2
ST	2-1/4	M56	4.41	112	2.28	58	0.12	3	166,217	75,416	7.4	3.4
LRL	2-1/4	M56	4.41	112	2.95	75	0.12	3	166,217	75,416	9.9	4.5
ST	2-1/2	M64	5.04	128	2.36	60	0.12	3	208,170	94,451	10.0	4.5
LRL	2-1/2	M64	5.04	128	3.03	77	0.12	3	208,170	94,451	13.2	6.0
ST	3	M72	5.67	144	2.56	65	0.16	4	265,727	120,566	13.7	6.2
LRL	3	M72	5.67	144	3.31	84	0.16	4	265,727	120,566	18.3	8.3
ST	3-1/4	M80	6.30	160	2.83	72	0.16	4	341,837	155,099	18.7	8.5
LRL	3-1/4	M80	6.30	160	3.66	93	0.16	4	341,837	155,099	25.1	11.4
ST	3-1/2	M90	7.09	180	3.19	81	0.20	5	435,514	197,602	26.7	12.1
LRL	3-1/2	M90	7.09	180	4.17	106	0.20	5	435,514	197,602	36.1	12.1
ST	4	M100	7.87	200	3.58	91	0.20	5	531,491	241,148	37.0	16.8
LRL	4	M100	7.87	200	4.57	116	0.20	5	531,491	241,148	48.7	22.1
ST	4-1/2	M110	8.66	220	3.94	100	0.24	6	612,787	278,034	49.2	22.3
ST	5	M125	9.84	250	4.45	113	0.24	6	842,322	382,179	71.8	32.5
ST	5-1/2	M140	11.02	280	4.92	125	0.28	7	1,083,361	491,543	99.7	45.2
ST	6	M150	11.81	300	5.32	135	0.28	7	1,221,265	554,113	123.5	56.0
ST	6-1/2	M160	12.60	320	5.67	144	0.28	7	1,421,656	645,035	150.0	68.0
ST	7	M180	14.17	360	6.34	161	0.32	8	1,826,346	828,650	212.0	96.3
ST	8	M200	15.75	400	7.01	178	0.36	9	2,243,308	1,017,835	290.0	131.4
ST	8-3/4	M220	17.32	440	7.68	195	0.40	10	2,700,552	1,225,296	284.0	174.2

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