

PRODUCT INFORMATION

SPECIFICATION

- Maximum load is generated at operating pressure of 1500 – 2500 bar (21,750 – 36,250 psi) depending on nut type
- Any threadform can be machined – specify when ordering
- Nuts can be designed to match and develop the same loads as customers' existing nuts
- Service temperature -20 degrees C to 80 degrees C. Temperature is limited by seals
- Due to continuous development, specifications may change without notice

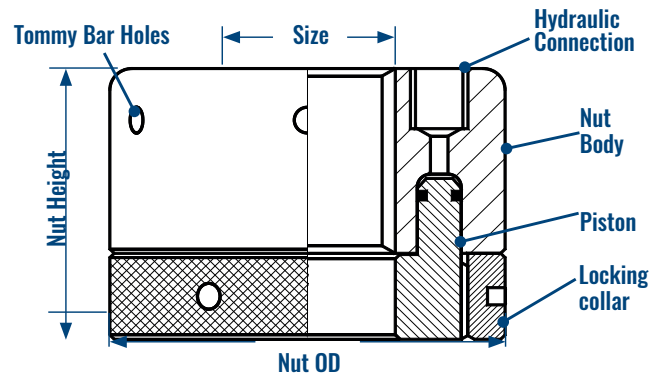
OPTIONS AVAILABLE

- Plain bore
- Hexagon instead of, or in addition to, tommy bar holes
- Side entry for hydraulics instead of, or in addition to, top entry
- Single or multiple hydraulic connections
- Longer stroke
- Special threads or threadforms
- Sizes below M33 (1-1/4") and above M180 (7") are available
- Shim type available upon request

LOWER COLLAR TYPE HYDRAULIC NUT

This nut has a longer piston which is externally threaded and fitted with a load retaining locking collar. A gap is created between the body and the locking collar when the nut is pressurized. The gap is a combination of the compression of the bolted joint and gasket, if fitted, plus the elongation of the bolt.

The nut is pressurized until the hydraulic jack develops more than the desired preload. The locking collar is tightened. The pressure is released, and the preload transferred onto the locking collar threads, where settling of the threads causes some of the preload to be lost. This is more critical in short bolt applications where the bolt elongation may be small. The preload loss on transfer to the collar becomes less significant on longer grip length bolts.



Tool #	Bolt Diameter		Hydraulic Area		Load		Nut OD		Nut Height		Max Stroke	
	mm	in	mm	in	kN	tons f	mm	in	mm	in	mm	in
BT-LCN-04	M33	1-1/4	1096	1.70	249	25.0	66	2.60	55	2.17	6	0.24
BT-LCN-05	M36	1-3/8	1349	2.09	307	30.8	72	2.83	55	2.17	6	0.24
BT-LCN-06	M38	1-1/2	1555	2.41	354	35.5	78.5	3.09	55	2.17	6	0.24
BT-LCN-07	M42	1-5/8	1885	2.92	429	43.0	86	3.39	55	2.17	6	0.24
BT-LCN-08	M45	1-3/4	2095	3.25	477	47.8	91	3.58	55	2.17	6	0.24
BT-LCN-09	M48	1-7/8	2475	3.84	563	56.5	98	3.86	59	2.32	9	0.35
BT-LCN-10	M52	2	2714	4.21	618	62.0	103	4.06	62	2.44	9	0.35
BT-LCN-11	M56	2-1/4	2992	4.63	681	69.4	110	4.33	67	2.64	9	0.35
BT-LCN-12	M64	2-1/2	3280	5.08	747	74.9	122	4.80	77	3.03	9	0.35
BT-LCN-13	M68	2-3/4	3986	6.18	907	91.0	134	5.28	84	3.31	9	0.35
BT-LCN-14	M76	3	4600	7.13	1047	105.0	144	5.67	91	3.58	11	0.43
BT-LCN-15	M80	3-1/4	5527	8.57	1258	126.2	158	6.22	99	3.90	11	0.43
BT-LCN-16	M90	3-1/2	6298	9.76	1433	143.8	169	6.65	107	4.21	11	0.43
BT-LCN-17	M95	3-3/4	7295	11.31	1660	166.6	180	7.09	113	4.45	11	0.43
BT-LCN-18	M100	4	8357	12.95	1902	190.8	195	7.68	122	4.80	16	0.63
BT-LCN-19	M115	4-1/2	10436	16.18	2375	238.3	216	8.50	136	5.35	16	0.63
BT-LCN-20	M125	5	12735	19.74	2899	290.8	241	9.49	151	5.94	16	0.63
BT-LCN-21	M140	5-1/2	15601	24.18	3551	356.3	266	10.47	167	6.57	16	0.63
BT-LCN-22	M150	6	18400	28.52	4188	420.2	287	11.30	181	7.13	16	0.63