

SERIES: HNBC Bottom Collar Hydraulic



HNBC Hydraulic Nuts are used in direct replacement of the existing conventional nut. They allow accurate loading of the bolt, and the load is then permanently retained by means of a load locking collar. Particularly useful for smaller diameters nuts, instead of **HNTC** top collar nuts, where there is limited space for hydraulic fittings, or as replacement nuts for legacy equipment.

SAFE AND RELIABLE

- CE marked
- Safe over-stroke device
- Pressure Test Certification
- Full colour operating and safety manual
- Long life performance
- Axial or radial port configurations
- Designs to suit special thread or load requirements

LATEST TECHNOLOGY

- Latest seal technology
- High cycle life
- Optimised load to weight ratio
- Integrated system with TensionPro pumps and hoses

Bolt Thread Size		Maximum Nut Load		Nut Height	Nut OD	Stroke
T		F		H	A	S
inch	Metric	tonf	kN	mm	mm	mm
7/8	M22	19.1	190	48	54	5
1	M24	20.6	205	48	57	5
1 1/8	M27	22.1	220	48	60	5
-	M30	26.6	265	51	67	5
1 1/4	M33	26.6	265	51	67	5
1 3/8	M36	32.6	325	54	73	6
1 1/2	M39	37.5	373	56	78	6
1 5/8	M42	42.6	424	58	83	6
1 3/4	M45	44.6	445	60	86	6
1 7/8	M48	52.5	523	70	93	8
2	M52	63.1	629	72	102	8
2 1/4	M56	78.3	781	75	124	8
2 1/2	M64	94.4	941	86	124	8
2 3/4	M68	104.5	1042	90	131	8
3	M72	125.1	1246	94	144	10
3 1/4	M80	161.3	1607	104	159	10
3 1/2	M90	203.4	2027	114	176	10
3 3/4	M95	216.7	2160	118	282	10
4	M100	247.5	2466	124	200	15
4 1/2	M110	282.4	2814	136	215	15
5	M125	383.4	3820	148	244	15
5 1/2	M140	497.1	4954	164	272	15
6	M150	567.5	5655	146	290	15

PAL PURE AXIAL LOADING

TensionPro hydraulic nuts allow bolts to be loaded with an accurate force that is directly proportional to the pressure applied to the tool. **NO FRICTION** bolt tightening for an accurate and repeatable bolt tightening method. The tensioner load or force is easily calculated:

$$F = (P \times A) / 10,000$$

Tensioner Force F [kN]
Tool Pressure Area A [mm²]
Pressure P [kN]