

## HTN - HYDRAULIC TENSIONER NUTS - METRIC



Integral mechanical load retaining collar

Working pressure 1500 Bar

Metric thread sizes from M24 to M100

The Hi-Force HTN range of metric top collar hydraulic nuts is specifically designed and manufactured for applications where regular, periodic opening of the joint for inspection and maintenance purposes is

required. Unlike conventional hydraulic bolt tensioners, Hi-Force HTN series hydraulic nuts are designed to permanently replace standard hexagon nuts on one side of the bolted joint. Initially the bolt tension or elongation is applied hydraulically and once achieved, it is permanently retained via the integral mechanical load retaining collar.

Whilst initial investment in Hi-Force HTN series hydraulic nuts is significantly higher than the cost of standard hexagon nuts, this investment is quickly and easily recovered, when the user considers the huge time savings achieved, during joint opening and closing, when compared to using conventional hydraulic bolt tensioners or hydraulic torque wrenches. Standard range models are available for bolt sizes from M24 to M100, with other sizes available to special order. All models are 1500 Bar maximum working pressure and supplied with quick connect hydraulic couplings, compatible for use with Hi-Force air or manually operated hydraulic bolt tensioner pumps and hoses [see page 115 & 116].

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Don't forget to order your tommy bars when purchasing Hi-Force hydraulic tensioner nuts. We recommend the purchase of one tommy bar for every four tensioners nuts.

Model number	Bolt size	Capacity kN	Capacity tonnes	Effective area cm <sup>2</sup>	Stroke mm	Diameter mm	Height mm	Weight kg	Tommy bar
HTN1-M24	M24 x 3	198.27	20.21	13.22	5	72	55	1.9	TTB06
HTN2-M27	M27 x 3	216.30	22.05	14.42	5	75	55	2.0	TTB06
HTN3-M30	M30 x 3.5	252.94	25.78	16.86	5	82	57	2.4	TTB06
HTN3-M33	M33 x 3.5	252.94	25.78	16.86	5	82	57	2.4	TTB06
HTN4-M36	M36 x 4	305.83	31.18	20.39	5	88	57	2.7	TTB06
HTN5-M39	M39 x 4	344.12	35.08	22.94	6	93	58	2.9	TTB06
HTN6-M42	M42 x 4.5	397.61	40.53	26.51	6	100	62	3.5	TTB06
HTN7-M45	M45 x 4.5	475.01	48.42	31.67	6	106	64	4.0	TTB06
HTN8-M48	M48 x 5	501.40	51.11	33.43	6	110	64	4.2	TTB06
HTN9-M52	M52 x 5	563.72	57.46	37.58	6	117	67	4.9	TTB06
HTN10-M56	M56 x 5.5	746.44	76.09	49.76	8	128	74	6.4	TTB06
HTN11-M60	M60 x 5.5	905.13	92.27	60.34	8	141	77	8.0	TTB06
HTN11-M64	M64 x 6	905.13	92.27	60.34	8	141	77	8.0	TTB06
HTN12-M68	M68 x 6	999.85	101.92	66.66	8	150	78	8.8	TTB08
HTN13-M72	M72 x 6	1203.43	122.67	80.23	8	162	81	10.6	TTB08
HTN13-M76	M76 x 6	1203.43	122.67	80.23	8	162	81	10.6	TTB08
HTN14-M80	M80 x 6	1413.72	144.11	94.25	10	174	87	12.9	TTB08
HTN15-M85	M85 x 6	1605.04	163.61	107.00	10	187	95	16.2	TTB10
HTN15-M90	M90 x 6	1605.04	163.61	107.00	10	187	95	16.2	TTB10
HTN16-M95	M95 x 6	1704.59	173.76	113.64	10	194	102	18.3	TTB10
HTN17-M100	M100 x 6	1911.46	194.85	127.43	10	205	110	21.9	TTB10