

HTN - HYDRAULIC TENSIONER NUTS - IMPERIAL



Integral mechanical load retaining collar


Working pressure 1500 Bar

Imperial thread sizes from 1" to 4"

The Hi-Force HTN range of imperial 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, if 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 imperial bolt sizes from 1" to 4", 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 pages 115 & 116).



 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 ²	Stroke mm	Diameter mm	Height mm	Weight kg	Tommy bar
HTN1-100	1" - 8 UN	198.27	20.21	13.22	5	72	55	1.9	TTB06
HTN2-112	1 1/8" - 8 UN	216.30	22.05	14.42	5	75	55	2.0	TTB06
HTN3-125	1 1/4" - 8 UN	252.94	25.78	16.86	5	82	57	2.4	TTB06
HTN4-137	1 3/8" - 8 UN	305.83	31.18	20.39	5	88	57	2.7	TTB06
HTN5-150	1 1/2" - 8 UN	344.12	35.08	22.94	6	93	58	2.9	TTB06
HTN6-162	1 5/8" - 8 UN	397.61	40.53	26.51	6	100	62	3.5	TTB06
HTN7-175	1 3/4" - 8 UN	475.01	48.42	31.67	6	106	64	4.0	TTB06
HTN8-187	1 7/8" - 8 UN	501.40	51.11	33.43	6	110	64	4.2	TTB06
HTN9-200	2" - 8 UN	563.72	57.46	37.58	6	117	67	4.9	TTB06
HTN10-225	2 1/4" - 8 UN	746.44	76.09	49.76	8	128	74	6.4	TTB06
HTN11-250	2 1/2" - 8 UN	905.13	92.27	60.34	8	141	77	8.0	TTB06
HTN12-275	2 3/4" - 8 UN	999.85	101.92	66.66	8	150	78	8.8	TTB08
HTN13-300	3" - 8 UN	1203.43	122.67	80.23	8	162	81	10.6	TTB08
HTN14-325	3 1/4" - 8 UN	1413.72	144.11	94.25	10	174	87	12.9	TTB08
HTN15-350	3 1/2" - 8 UN	1605.04	163.61	107.00	10	187	95	16.2	TTB10
HTN16-375	3 3/4" - 8 UN	1704.59	173.76	113.64	10	194	102	18.3	TTB10
HTN17-400	4" - 8 UN	1911.46	194.85	127.43	10	205	110	21.9	TTB10