

HTN - HYDRAULIC TENSIONER NUTS - IMPERIAL



Integral mechanical load retaining collar

Working pressure 21750 PSI

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/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 21750 PSI 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 103 & 104).



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 No	Bolt Size	Capacity Tons	Capacity kN	Effective area inch ²	Stroke inch	Diameter inch	Height inch	Weight lbs	Tommy bar
HTN1-100	1" - 8 UN	22	198.27	2.05	0.20	2.84	2.17	4.2	TTB06
HTN2-112	1 1/8" - 8 UN	24	216.30	2.24	0.20	2.96	2.17	4.4	TTB06
HTN3-125	1 1/4" - 8 UN	28	252.94	2.61	0.20	3.23	2.25	5.3	TTB06
HTN4-137	1 3/8" - 8 UN	34	305.83	3.16	0.20	3.47	2.25	6.0	TTB06
HTN5-150	1 1/2" - 8 UN	39	344.12	3.56	0.24	3.66	2.29	6.4	TTB06
HTN6-162	1 5/8" - 8 UN	45	397.61	4.11	0.24	3.94	2.44	7.7	TTB06
HTN7-175	1 3/4" - 8 UN	53	475.01	4.91	0.24	4.18	2.52	8.8	TTB06
HTN8-187	1 7/8" - 8 UN	56	501.40	5.18	0.24	4.33	2.52	9.3	TTB06
HTN9-200	2" - 8 UN	63	563.72	5.82	0.24	4.61	2.64	10.8	TTB06
HTN10-225	2 1/4" - 8 UN	84	746.44	7.71	0.32	5.04	2.92	14.1	TTB06
HTN11-250	2 1/2" - 8 UN	102	905.13	9.35	0.32	5.56	3.03	17.6	TTB06
HTN12-275	2 3/4" - 8 UN	112	999.85	10.33	0.32	5.91	3.07	19.4	TTB08
HTN13-300	3" - 8 UN	135	1203.43	12.44	0.32	6.38	3.19	23.4	TTB08
HTN14-325	3 1/4" - 8 UN	159	1413.72	14.61	0.39	6.86	3.43	28.4	TTB08
HTN15-350	3 1/2" - 8 UN	180	1605.04	16.59	0.39	7.37	3.74	35.7	TTB10
HTN16-375	3 3/4" - 8 UN	191	1704.59	17.61	0.39	7.64	4.02	40.3	TTB10
HTN17-400	4" - 8 UN	215	1911.46	19.75	0.39	8.08	4.33	48.3	TTB10