

SERIES: HTS Standard Tensioners

1500 bar pressure
15mm stroke



SAFE AND RELIABLE

- CE marked
- Over-stroke protection
- Max stroke indicator
- Pressure Test Certification
- Full colour operating and safety manual
- Long life performance

LATEST TECHNOLOGY

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

IN STOCK FOR QUICK DELIVERY

HTS series standard range tensioners are versatile and reliable hydraulic tensioners suitable for all bolting applications.

Optimised for top-side applications they are perfect for tightening ANSI, ASME and API flanges.

PROCESS IMPROVEMENT

HTS Hydraulic Tensioners are quick and simple to use. Installed by hand in minutes, multiple tools are harnessed together to give **IMPROVED SPEED** for the bolt tightening process. The even joint compression ensures uniform bolt loading and gasket compression that gives superior bolted joint performance.

OPTIONS AND FEATURES

- Special threads
- Special load requirements
- Twin or single port
- Special bridge for tight clearance
- Oil pressure calculations
- Long stroke designs
- Interchangeable parts
- High temperature options

PAL PURE AXIAL LOADING

The TensionPro Tensioner method allows 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:

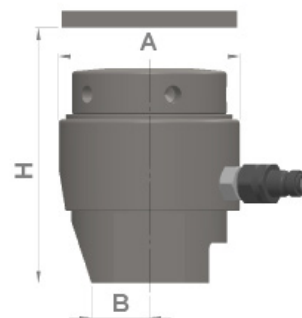
$$F = (P \times A) / 10,000$$

Tensioner Force	F [kN]
Tool Pressure Area	A [mm ²]
Pressure	P [kN]

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Tool No	Bolt Thread Size		Maximum Tensioner Load		Pressure	Tool OD	Height Clear	Bridge Clear	Weight
	T		F		HPA	A	H	B	W
	inch	Metric	tonf	kN	mm ²	mm	mm	mm	kg
HTS-10	3/4 UNC	M20 x 2.5	22.9	228	1519	74	110	27	3
	7/8 UNC	M22 x 2.5					115	27	3
	1 UNC	M24 x 3					125	30	3.5
	1 1/8 8UN	M27 x 3					130	32	3.5
HTS-20	-	M30 x 3.5	44.5	443	2954	102	150	30	5
	1 1/4 8UN	M33 x 3.5					150	34	5
	1 3/8 8UN	M36 x 4					160	36	5
	1 1/2 8UN	M39 x 4					170	38	5
HTS-30	1 1/2 8UN	M39 x 4	81.4	811	5406	133	175	42	9
	1 5/8 8UN	M42 x 4.5					185	42	9
	1 3/4 8UN	M45 x 4.5					195	44	9
	1 7/8 8UN	M48 x 5					205	46	9
	2 8UN	M52 x 5					210	48	9
HTS-40	1-7/8 8UN	M48 x 5	127.8	1273	8490	163	205	50	15
	2 8UN	M52 x 5					215	52	15
	2 1/4 8UN	M56 x 5.5					235	54	15
	-	M60 x 5.5					238	54	15
	2 1/2 8UN	M64 x 6					254	58	15
HTS-50	2 1/2 8UN	M64 x 6	183.6	1829	12196	193	254	64	25
	-	M68 x 6					258	72	25
	2 3/4 8UN	M72 x 6					258	72	25
	3 8UN	M76 x 6					258	74	25
HTS-60	3 8UN	M76 x 6	265.4	2644	17627	231	260	76	44
	-	M80 x 6					264	76	44
	3 1/4 8UN	M85 x 6					272	80	44
	3 1/2 8UN	M90 x 6					280	90	44
	3 3/4 8UN	M95 x 6					300	100	40.5
	4 8UN	M100 x 6					305	105	40.5
HTS-70	3 1/2 8UN	M90 x 6	361.3	3600	24000	275	Dependent on application nut details		
	3 3/4 8UN	M95 x 6							
	4 8UN	M100 x 6							
	4 1/4 8UN	M105 x 6							
HTS-80	4 1/4 8UN	M105 x 6	466.7	4650	31000	315	Dependent on application nut details		
	-	M110 x 6							
	4 1/2 8UN	M115 x 6							
	4 3/4 8UN	M120 x 6							
	5 8UN	M125 x 6							

Note: HTS10 is 12mm max stroke

TENSIONPRO is a trading name of Secure Bolting Systems Ltd.
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