

## 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.

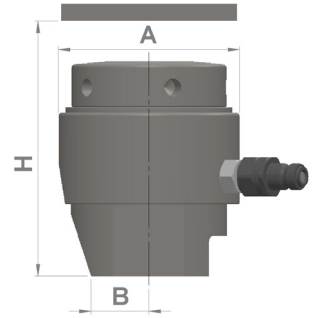
The tensioner load or force is easily calculated:

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

Tensioner Force	F [kN]
Tool Pressure Area	A [mm <sup>2</sup> ]
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 <sup>2</sup>	mm	mm	mm	kg
HTS-10	3/4	M20	22.9	228	1519	74	110	27	3
	7/8	M22					115	27	3
	1	M24					125	30	3.5
	1 1/8	M27					130	32	3.5
HTS-20	-	M30	44.5	443	2954	102	150	30	5
	1 1/4	M33					150	34	5
	1 3/8	M36					160	36	5
	1 1/2	M39					170	38	5
HTS-30	1 1/2	M39	81.4	811	5406	133	175	42	9
	1 5/8	M42					185	42	9
	1 3/4	M45					195	44	9
	1 7/8	M48					205	46	9
	2	M52					210	48	9
HTS-40	1-7/8	M48	127.8	1273	8490	163	205	50	15
	2	M52					215	52	15
	2 1/4	M56					235	54	15
	-	M60					238	54	15
	2 1/2	M64					254	58	15
HTS-50	2 1/2	M64	183.6	1829	12196	193	254	64	25
	-	M68					258	72	25
	2 3/4	M72					258	72	25
	3	M76					258	74	25
HTS-60	3	M76	265.4	2644	17627	231	260	76	44
	-	M80					264	76	44
	3 1/4	M85					272	80	44
	3 1/2	M90					280	90	44
	3 3/4	M95					300	100	40.5
	4	M100					305	105	40.5
HTS-70	3 1/2	M90	361.3	3600	24000	275	Dependent on application nut details		
	3 3/4	M95							
	4	M100							
	4 1/4	M105							
HTS-80	4 1/4	M105	466.7	4650	31000	315	Dependent on application nut details		
	-	M110							
	4 1/2	M115							
	4 3/4	M120							
	5	M125							

Note: HTS10 is 12mm max stroke

TENSIONPRO is a trading name of Secure Bolting Systems Ltd.  
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