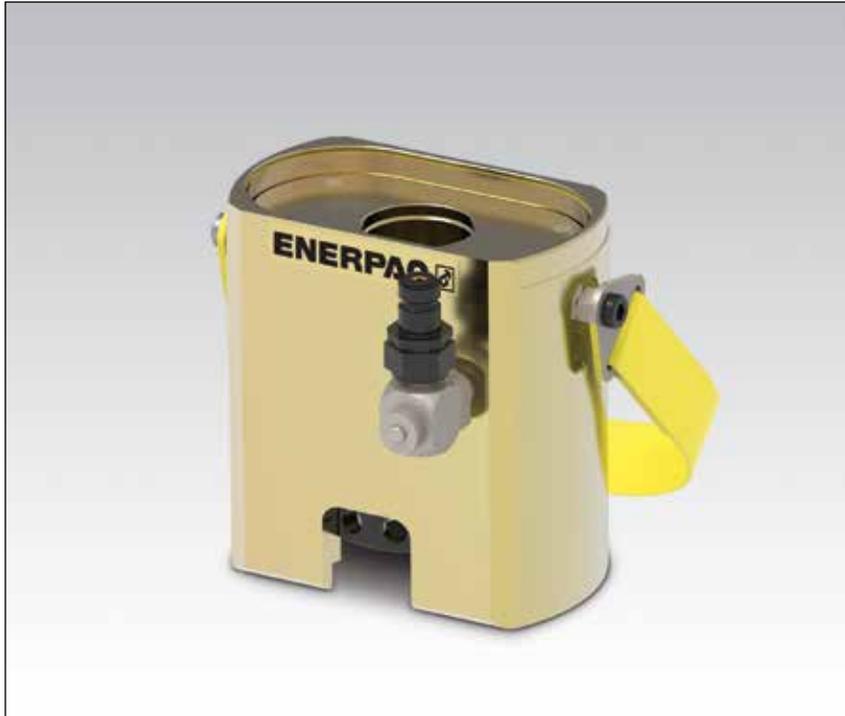


▼ Shown: FTE-Series Elliptical Foundation Tensioner



## High Precision, Low Maintenance



### FTE-Series, Foundation Bolt Tensioners

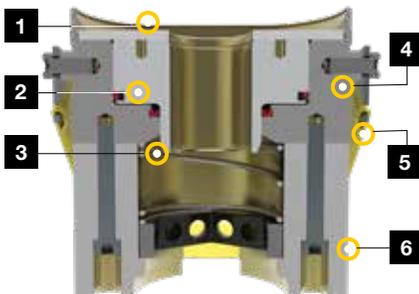
Similar to Standard Foundation Tensioners, Elliptical tensioners were designed specifically for foundation fastening applications on wind towers, and utilize the existing hex nut as a reaction point in order to eliminate thread fit misalignment.

Unlike Standard FTR-Series Tensioners, FTE-Series Tensioners feature an elliptical geometry, which enables fit in narrow access foundation applications, without reducing load capabilities.

Operators may access the nut with a Tommy bar rather than employing the use of an offset rundown gear.

Elliptical tensioners are ideal for close clearance applications, or as a universal tool that will work in nearly any foundation application, whether standard or narrow access.

- **FTE-Series Foundation Bolt Tensioners provide fast and accurate performance in difficult, narrow access foundation tensioning applications**
- **Standard models are available for 75, 150 ksi and metric style Williams, Dyson and Macalloy® bar types**
- **Ideal universal solution that fits both standard and narrow access applications**



1. **Max. stroke Indicator:** Extends life by helping to prevent over-stroking of cylinder.
2. **Long-life seals:** For maximum durability and extended service life intervals.
3. **Auto-retract piston:** Simplifies use and improves speed of operation.
4. **Elliptical form:** Provides access to close clearance applications.
5. **Corrosion protection:** Zinc coating provides best-in-class corrosion resistance.
6. **Quick-disconnect coupler (not shown):** For safe, simple hydraulic connection. *OPTIONAL 360° swivel available for additional hose positioning flexibility.*

▼ FTE-Series, Foundation Bolt Tensioner.



# FTE-Series, Foundation Bolt Tensioners (Elliptical)

▼ This is how an FTE-Series Foundation Bolt Tensioner model number is built up:



## 1 Product Type

**FTE** = Foundation Tensioner, Elliptical

## 2 Bar Grade

**75** = 75 ksi  
**150** = 150 ksi  
 (or metric designation)

## 3 Bar Size Designation

**Example:** 10 = No. 10 bar

## 4 Fitting Type

**S** = Includes single male fitting  
**SW** = Includes swivel manifold with single male fitting

## FTE Series



Load Range:

**0-86 Tons**

Maximum Operating Pressure:

**21,750 psi / 1500 bar**

\* Max. Pressure varies, see specification table for details.



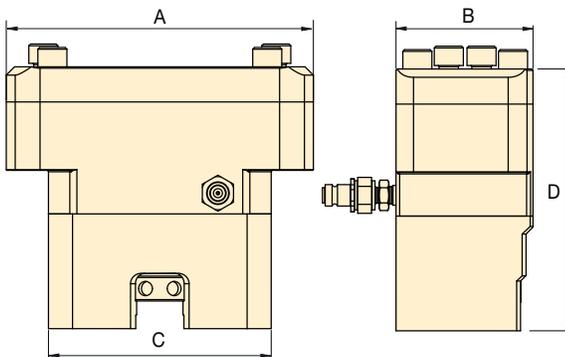
## Tensioner Pumps

Electric, pneumatic and manual high-pressure tensioning pumps are available for use with Enerpac hydraulic tensioners.



## Hoses and Fittings

High-pressure hoses and fittings for use with Enerpac tensioning systems are available.



## ▼ SPECIFICATION TABLE

Bar Grade	Model Number	Bolt Diameter		Bar Size Designation	Nut AF (in)	Maximum Pressure (psi)	Hydraulic Pressure Area (in <sup>2</sup> )	Load Cap. (tons)	Stroke (in)	Dimensions (in)				Wt. (lbs)	Min. Bolt Protrusion (in)
		(in)	(mm)							A	B	C	D		
Grade 75ksi	<b>FTE7510S</b>	1.38	35	#10	2.00	17,400	4.82	41.9	0.39	6.69	3.23	5.59	5.81	18.19	7.87
	<b>FTE7511S</b>	1.50	38	#11	2.25	21,750	4.82	52.4	0.39	6.69	3.23	5.59	5.81	18.19	8.66
Grade 150ksi	<b>FTE150138S</b>	1.56	40	1.375	2.50	21,750	7.86	85.6	0.39	8.74	3.90	6.34	8.01	40.81	9.06
	<b>FTE150125S</b>	1.44	37	1.25	2.25	17,400	7.86	68.4	0.39	8.74	3.90	6.34	8.01	41.67	9.45
Grade 8.8	<b>FTE8836S</b>	1.42	36	36	2.36	21,750	4.82	52.4	0.39	5.59	3.23	5.59	5.81	21.32	7.09