

▼ 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.

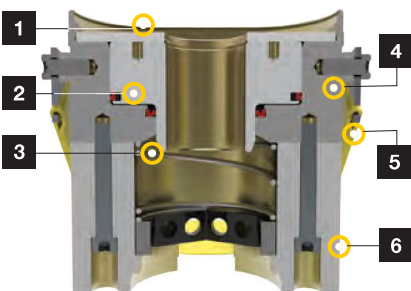
Unlike Standard FTR-Series Tensioners, FTE-Series Tensioners feature an elliptical geometry, which enables fit in narrow access foundation applications, without reducing load capabilities.

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

▼ FTE-Series, Foundation Bolt Tensioner, designed to fit both standard and narrow access foundation 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 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

* Maximum pressure varies, see specification table for details.



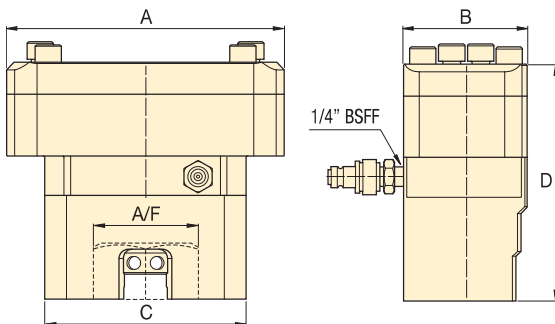
Tensioner Pumps

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.



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▼ SPECIFICATION TABLE

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