

▼ FTE-Series, Foundation Bolt Tensioner Elliptical



- 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.

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, the 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.

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1. **Maximum 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, designed to fit both standard and narrow access foundation applications.



Foundation Bolt Tensioners, Elliptical

▼ This is how a 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 size

4 Fitting Type

SW = Includes swivel manifold with single male fitting

FTE Series



Maximum Load Capacity:

761,1 kN

Maximum Operating Pressure ¹⁾:

1500 bar

¹⁾ Max. pressure varies, see specifications table for details.



Tensioning Pumps

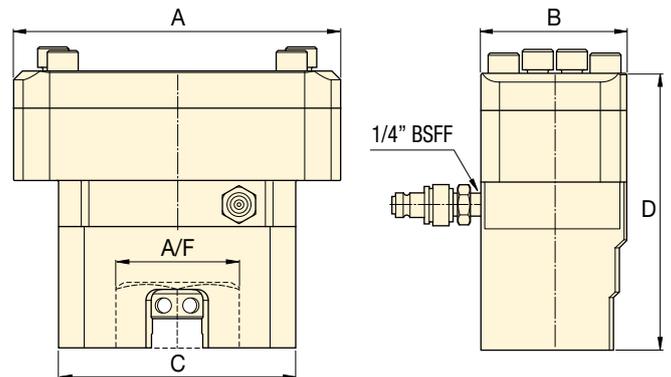
Electric, pneumatic and manual high-pressure tensioning pumps are available for use with Enerpac hydraulic tensioners.



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 with single male fitting | Nut Size A/F | Max. Pressure | Hydraulic Pressure Area | Max. Load Capacity | Stroke | Dimensions (mm) | | | | Minimum Bolt Potrusion | |
|-----------|---------------|--------|----------------------|---------------------------------------|--------------|---------------|-------------------------|--------------------|--------|-----------------|----|-----|-------|------------------------|------|
| | (mm) | (inch) | | | | | | | | A | B | C | D | | (kg) |
| 75 ksi | 35 | 1.38 | #10 | FTE7510S | 51 | 1200 | 3108 | 373,0 | 10,0 | 170 | 82 | 142 | 147,5 | 8,3 | 200 |
| | 38 | 1.50 | #11 | FTE7511S | 57 | 1500 | 3108 | 466,2 | 10,0 | 170 | 82 | 142 | 147,5 | 8,3 | 200 |
| 150 ksi | 40 | 1.56 | 1.375 | FTE150138S | 64 | 1500 | 5074 | 761,1 | 10,0 | 222 | 99 | 161 | 203,4 | 18,5 | 230 |
| | 37 | 1.44 | 1.250 | FTE150125S | 57 | 1200 | 5074 | 608,9 | 10,0 | 222 | 99 | 161 | 203,4 | 18,9 | 240 |
| 8.8 | 36 | 1.42 | 36 | FTE8836S | 60 | 1500 | 3108 | 466,2 | 10,0 | 142 | 82 | 142 | 147,5 | 9,7 | 180 |