

**T50/52 BWRC Bullwheel Tensioner/
Reel Carrier**



T50/52 BWRC BULLWHEEL TENSIONER

The TSE Model T50/52 BWRC Bullwheel tensioner/ reel carrier is designed to install single conductor or Fiber Optic Groundwire on transmission lines. Elastomer lined bullwheels with 1.5" grooves can handle conductors up to 1272 MCM and provide protection to delicate fiber cables. The bullwheels are tilted for groove alignment to eliminate any twisting being imposed on the cable. The lining segments are bolted on for easy replacement in case they are worn or damaged.

Each bullwheel has a 36" diameter bronze disc brake and hydraulic actuated caliper to apply tension to the conductor. Precise control of the tension is achieved by the operator with an actuator incorporating an anti-surge accumulator. The operator can monitor the tension and make precise adjustments using the pressure gauge and tension chart. By using hydraulic braking from a single control the tension is evenly distributed between the two bullwheels. The integral reel carrier can handle reels up to 96 inches in diameter and 12,500 lbs. in weight. TSE's exclusive quick change reel shaft system allows easy reel changes without any tools being required. The 16 inch bronze disc brake on the reel shaft provides tail tension to the bullwheels.

A 3-roller tail fairlead with urethane lined rollers ensures that the conductor is guided from the reel stand or carrier into the first groove of the bullwheel.

SPECIFICATIONS

Maximum continuous tension	5,000 lbs. @ 4 MPH
Bullwheel Diameter	52 inches
Groove Diameter	1.5 inches
Number of grooves	5 per bullwheel
Maximum reel diameter	96 inches
Maximum reel width	54 inches
Maximum reel width with hydraulic rewind	52 inches
Maximum reel weight	12,500 lbs.
Reel shaft diameter	2-5/8 inches

STANDARD EQUIPMENT

- Precise hydraulic control with anti-surge accumulator
- Tilted bullwheels to reduce cable twist
- 36" bronze disc brakes
- Central operators panel with tension chart
- Quick change reel shaft change system
- 16 inch diameter bronze reel brake
- 3 Roller tail fairlead
- Tandem axle trailer with electric brakes
- Front and rear drop-leg jacks
- Tie down lugs

At TSE, engineering is a process of continuous product improvement; therefore, specifications are subject to change without notice.
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