

PD4500

FOUR DRUM PULLER-TENSIONER

Leading the Industry in Design & Performance

The PD4500 4-drum puller tensioner offers the ability to string new conductor, as well as perform reconductoring operations, over than the typical stringing of pilot wires.

The pulling capability of the PD4500 does not derate if using two drums at the same time, it maintains its total pull force rating. Because the drums are completely independent, one can be used for pulling while the other is tensioning.

The overall design of the machine provides an increased safety factor. Operators are not standing on the machine. There is no operator platform or seat on the machine. That puts the operator out of the equipotential zone and allows them to hear better and see better.



ISO 9001:2015
CERTIFIED

PD4500 FOUR DRUM PULLER-TENSIONER



NEW DIGITAL HMI

The new user interface features a 7-inch color display with integrated pull and speed recorder.



REMOTE CONTROL

The radio remote control provides total user machine control while integrating with the new digital user interface.

PULLING CAPABILITY

The PD4500 offers 2 @ 5,000 lbf. (22 kN) of pull force.



GENERAL SPECIFICATIONS:

PERFORMANCE

Max pull/tension	2 @ 5,000 lbf (22 kN)
Speed at max pull	2.5 mph (4 kph)
Max speed	4.2 mph (6.7 kph)
Mechanical free-wheel with hydraulic disc brake	
	Up to 4 drums at once
Independent Drum Control	Up to 2 drums at once
Diesel Engine	74 hp (55 kW)
Cooling system	liquid
Electrical system	12 V

DRUM CHARACTERISTICS

DRUM DIAMETER	67 IN (1,702 MM)
Drum Width	24 IN (609 MM) Inside Width
Rope Diameter	Individual Drum Capacity
3/8 (10 MM)	45,800 FT (14,000 Meters)
7/16 (11 MM)	33,700 FT (10,300 Meters)
15/32 (12 MM)	29,300 FT (8,900 Meters)
1/2 (13 MM)	25,800 FT (7,850 Meters)
9/16 (14 MM)	20,300 FT (6,200 Meters)
5/8 (16 MM)	16,500 FT (5,050 Meters)
3/4 (18 MM)	11,400 FT (3,475 Meters)
1.0 (24 MM)	6,400 FT (1,950 Meters)

Synthetic rope capacity calculated by Sampson and Yale Cordage formula.

GENERAL SPECIFICATIONS - DOT

Weight (no rope)	30,860 lbs (13,997 kg)
Overall Length	331 in (8,407 mm)
Overall Width	105 in (2,667 mm)
Height	133 in (3,378 mm)

CONDUX | TESMEC



Note: the basic machine performance is calculated at 68°F (20°C) and at sea level.

The latest issue of the Condux Tesmec Stringing Equipment & Accessories Catalog includes comprehensive product information specific for stringing applications in the transmission and distribution industries.



STANDARD EQUIPMENT

New digital HMI provided with:

- Color 7-in. display.
- Integrated pull and speed recorder.

Radio remote control.

Remote Diagnostic with GPS Data Recorder.

Mechanical free-wheel with hydraulic disc brake.

Negative self acting hydraulic brake for tensioning.

Four independent level winders, two level winders can work simultaneously, semi - automatic control and manual control, each level winder is hydraulically driven.

2 Variable displacement hydraulic pumps driven by diesel engine.

4 hydraulic motors.

4 gear boxes with negative brakes.

Skid frame solution equal to 20 ft container box, designed to be installed on low-bed trailer or container trucks.

Automatic greaser.

OPTIONAL EQUIPMENT

ALL037 Preheating device for use up to -22°F (-30°C)

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