

FRB616 Hydraulic Tensioner



Part Number 21033900

GENERAL SPECIFICATIONS:

TENSIONER PERFORMANCE

| | |
|-------------|--|
| Max tension | 15,750 lbf (2 x 70 kN) or 31,500 lbf (1 x 140 kN) |
| Max speed | 3.1 mph (5 km/h) |

PULL-BACK PERFORMANCE

| | |
|-----------|--|
| Max pull | 15,750 lbf (2 x 70 kN) or 31,500 lbf (1 x 140 kN) |
| Max speed | 0.4 mph (2 x 0.7 km/h) |

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

CHARACTERISTICS

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|------------------------|---|
| Bull-wheel diameter | 67 in (1,702 mm) |
| Max conductor diameter | 1 ³ / ₁₆ in (46 mm) |
| Weight | 16,755 lbs (7,600 kg) |

ENGINE

| | |
|-------------------|---------------|
| Diesel | 64 hp (48 kW) |
| Cooling system | water |
| Electrical system | 24 V |

HYDRAULIC TRANSMISSION

2 hydraulic half-closed circuits that allow very sensitive tensioning control and negligible deviations of tension in case of speed change. The machine is provided with tension pre-setting system.

STANDARD EQUIPMENT

- 2 negative self-acting hydraulic brakes
- 2 hydraulic dynamometers
- Hydraulic oil cooling system
- 2 digital meter counters
- 2 digital speed meters

Hydraulic conductor clamps for reel change operation

Hydraulic quick connectors to control a separate reel stand

Electronic adapter for connection of multiple machines and for stringing synchronization

Control instruments for hydraulic system and Diesel engine

2 gearboxes with 3 operating positions:

- neutral position (with free bull-wheels for conductor loading and unloading)
- low tension position
450-3,400 lbf (2-15 kN)
- nominal tension position
2,000-15,750 lbf (9-70 kN)

Rigid axle for towing at max speed of 19 mph (30 km/h) with mechanical parking brake (non DOT model)

Hydraulic front stabilizer

Grounding connection point

OPTIONAL EQUIPMENT

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

GENERAL SPECIFICATIONS - DOT

| | |
|----------------|-----------------------|
| Net Weight | 20,750 lbs (9,410 kg) |
| Overall Length | 236 in (6,000 mm) |
| Overall Width | 96 in (2,440 mm) |
| Height | 135 in (3,430 mm) |

The **FRB616** features two pairs of independently controlled bull-wheels, offering 2 x 15,750 lbf (70 kN) or 1 x 31,500 lbf (140 kN) of tensioning capacity for stringing one or two bundled conductors. The bull-wheel grooves are made from high resistance interchangeable nylon sectors. The FRB616 is completely electronically controlled.

