

# F120.150.42

max tension 150 kN (2 x 75 kN)



Hydraulic tensioner fit to string 1, 2, 3 or 4 conductors. Two hydraulic circuits allow to tension at constant force even varying the speed of stringing. The two circuits can be used independently or simultaneously, with automatic forces partition. Equipped with engine for pull-back performances. In pull-back mode, two hydraulic circuit allow to vary the speed in both directions, allowing to use one of the hydraulic circuits or both them matched.

## FEATURES

Capstans	4 x Ø 1500 mm
Max conductor diameter	4 x 42 mm
Dimensions LxWxH	5,10x2,45x3,00 m
Weight	8200 kg

## ENGINE

Feeding	diesel
Power	75 hp / 55 kW
	75 hp / 55 kW *
Cooling	water
Electric plant	12 V

## TENSION PERFORMANCES

Max tension force	150 kN = 2 x 75 kN
Max tension per conductor	37,5 kN
Max speed	5 km/h

## PULL-BACK PERFORMANCES

Max pull	150 kN = 2 x 75 kN
Max speed	1 km/h
	1 km/h*

## ALSO AVAILABLE VERSION WITH Ø1800 mm CAPSTANS

## CONFIGURATION

- Two pairs of steel capstans lined with multi-grooved nylon sectors.
- Machine control panel equipped with built-in electronic instrument DEG 4.0 featuring a 7" large graphic colour display and a USB port.
- **Maintenance-free load cell reading system.**
- **Electronic instrument by-pass.**
- **Self-recovery device for sagging operations.**
- Two safety negative hydraulic brakes.
- Front and back conductor-drivers with nylon rollers, for 4 cond.
- Chassis with two rigid axles (tandem), tires and drawbar for towing at low speed in job-site.
- Hydraulic front plough.
- Attachments for anchoring and for lifting.
- Heat exchanger to cool the oil in the hydraulic circuit.
- Devices for coupling the two pairs of capstans.
- Two auxiliary hydraulic circuits for controlling up to 4 reel-stands (not independent).
- Grounding connection point.

## OPTIONAL DEVICES

- 005.1 Chassis with 2 damped axles (tandem), air braking system and lights.
- 006.4 Arrangement of the chassis for circulation on road (homologation excluded).
- 012 Predisposition of one hydraulic circuit to feed a press for high pressure joints (max. 700 bar).
- 017 Hydraulic/mechanical device (n.1, on 1 circuit) to control low tension values, fit to string fiber optics.
- 020.3 Set of nylon sectors with grooves fit for 6 conductors Ømax 31,5 mm (instead of standard set), and 2 additional hydraulic circuits to control 2 extra reel-stands (total 6).
- 028.7 Device to start the diesel engine at low temperatures (up to -30°C).
- 037 Remote control by cable, with 10 m of cable.
- 038 Radio-control (max distance 100 m).
- 045.2 Automatic clamp for 4 conductors.
- 045.3 Manual clamp for 4 conductors.
- 069.5 Printer for the electronic recorder, with accessories.

\* According to the EC directive 97/68/CE with subsequent amendments and additions.

Performances of the machine without optional devices, at sea level and temperature 20°C.  
Dimensions and weights are without optional devices. All data may change without notice. Images and drawings are indicative only.