

# F120.90.2

max tension 90 kN

HYDRAULIC TENSIONERS



Hydraulic tensioner fit to string one or two conductors or optical fiber cables. One hydraulic circuit allows to tension at constant force even varying the speed of stringing. Equipped with engine for pull-back performances.

| FEATURES               |                  | ENGINE         |                 | TENSION PERFORMANCES |        |
|------------------------|------------------|----------------|-----------------|----------------------|--------|
| Capstans               | 2 x Ø 1500 mm    | Feeding        | diesel          | Max tension force    | 90 kN  |
| Capstan grooves        | 10               | Power          | 47 hp / 35 kW   | Min tension force    | 4 kN   |
| Max conductor diameter | 2 x 42 mm        |                | 47 hp / 35 kW * | Max speed            | 5 km/h |
| Dimensions LxWxH       | 4,00x2,10x2,30 m | Cooling        | water           |                      |        |
| Weight                 | 4100 kg          | Electric plant | 12 V            |                      |        |

| PULL-BACK PERFORMANCES |                       |
|------------------------|-----------------------|
| Max pull               | 90 kN                 |
| Max speed              | 0,8 km/h<br>0,8 km/h* |

**ALSO AVAILABLE VERSION WITH Ø1800 mm CAPSTANS**

## CONFIGURATION

- One pair 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**
- Device to control low-force tensions (4-30 kN), specially fit for fibre-optic cables
- Freewheeling disconnection (neutral) of capstans
- **Self-recovery device for sagging operations**
- Safety negative hydraulic brake
- Two back fix conductor-drivers with nylon rollers
- Chassis with rigid axle, manual brake and detachable drawbar for towing at low speed in job-site
- Mechanical front plough and back stabilisers
- Attachments for anchoring and for lifting
- Heat exchanger to cool the oil in the hydraulic circuit
- Auxiliary hydraulic circuit for controlling 1 or 2 reel-stands (not independent)
- Grounding connection point

## OPTIONAL DEVICES

- 008 Damped axle, air brake, drawbar and lights
- 006.4 Arrangement of the chassis for circulation on road (homologation excluded)
- 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 2 conductors
- 045.3 Manual clamp for 2 conductors
- 069.5 Printer for the electronic recorder, with accessories
- 174.2 Synchronising device for the connection of 2 machines complete with remote control by cable (20 m)
- 047.2 Hydraulic front plough
- 048 Hydraulic back stabilisers

\* 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.