

# F110.140.22

max tension 140 kN (2 x 70 kN)



Hydraulic tensioner fit to string one or two 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 continuously vary the speed in both directions, allowing to use one of the hydraulic circuits or both of them matched.

FEATURES		ENGINE		TENSION PERFORMANCES	
Capstans	4 x Ø 1800 mm	Feeding	diesel	Max tension force	1 x 140 kN or 2 x 70 kN
Capstan grooves	12	Power	86 hp / 63 kW 75 hp / 55,4 kW *	Max speed	5 km/h
Max conductor diameter	2 x 46 mm	Cooling	water		
Dimensions LxWxH	4,50x2,25x2,80 m	Electric plant	12 V		
Weight	7700 kg				

  

PULL-BACK PERFORMANCES	
Max pull	1 x 140 kN or 2 x 70 kN
Max speed	0,9 km/h

## 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.
- Back fix conductor-drivers with nylon rollers.
- Chassis with rigid axle, manual brake and detachable drawbar for towing at low speed in job-site.
- Hydraulic front plough and back stabilisers.
- 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 1 or 2 reel-stands independently.
- Grounding connection point.

## OPTIONAL DEVICES

- 005.1 Chassis with 2 damped axles (tandem), air braking system and lights.
- 008 Damped axle, air brake, drawbar 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 (4-40 kN), fit to string fiber optics.
- 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).

\* 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.