





# PT100.22


## HYDRAULIC PULLER -TENSIONER



Hydraulic machine designed to operate both as a tensioner and as puller, fit to string one or two ropes or 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. In puller mode, 2 closed hydraulic circuits allow to vary the speed in both directions, allowing to use one of the hydraulic circuits or both of them matched.

			
MAX PULL-TENSION	MAX SPEED	MAX ROPE / COND.Ø	CAPSTANS Ø
100 kN (2x50 kN)	5 km/h	21 mm / 2 x 42 mm	4 x 1500 mm

### CONFIGURATION

- Steel capstans lined with multi-grooved nylon sectors
- Built-in electronic instrument DEG 4.0 - 7" large graphic colour display and a USB port**
-  **Omac Link System (opt.107 and opt.107.1 excluded)**
- Maintenance-free load cell reading system**
- Electronic instrument by-pass**
- Self-recovery device for sagging operations**
- Metallic soundproof cover with doors**
- Radio control**
- Automatic clamp for 2 ropes/conductors**
- Pull-force setting to maintain the pre-set force even at speed "0"
- Two safety negative hydraulic brakes
- Back fix conductor-driver with nylon rollers for 2 conductors
- Chassis with rigid axle, manual brake and detachable drawbar for towing at low speed in job-site
- Hydraulic front plough and back stabilisers
- Anchoring and lifting points
- Oil cooling system
- Devices for coupling the two pairs of the capstans
- Two auxiliary hydraulic circuits for additional equipment (1 or 2 reel-winders or reel-stands)
- Grounding connection point

### FEATURES

Capstans	4 x Ø 1500 mm
Capstan grooves	12 (6+6)
Max conductor diameter	2 x 42 mm
Max rope diameter	21 mm
Dimensions LxWxH	4,50x2,25x2,80 m
Weight	6200 kg

### PERFORMANCES

Max pull / tension	1 x 100 kN or 2 x 50 kN
Speed at max pull	2,5 km/h
Max speed	5 km/h
Pull at max speed	2 x 22,5 kN

### ENGINE

Feeding	diesel
Power	150 hp / 110 kW*
Cooling	water
Electric system	24 V

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

### OPTIONAL DEVICES

005.1	Chassis with 2 damped axles (tandem), air braking system and lights	107.1	GPS geolocation
008	Damped axle, air braking system, drawbar and lights	014	Reel-winder arm fit for a 1600-mm-dia. reel (1 or 2)
006.4	Chassis arrangement for towing on the road (homologation excluded)	028.7	Device to start the diesel engine at low temperatures (up to -30°C)
012	Hydraulic circuit to feed a press for high pressure joints (max. 700 bar)	069.5	Printer with accessories
017	Hydraulic/mechanical device (2 circuits) to control low tension values (2-25 kN), fit to string fiber optics	119	Capstans with steel grooves chemically treated
107	Remote monitoring and diagnostics	174.2	Synchronising device for the connection of 2 machines, complete with remote control by cable (20 m)