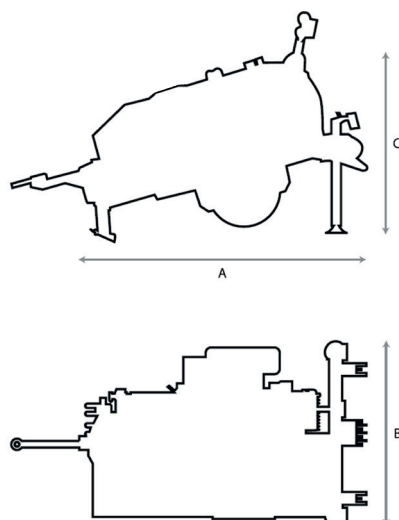


2

HYDRAULIC TENSIONERS



Hydraulic tensioner fit to tension one conductor or fiber optic cable.
One hydraulic circuit allows to tension at constant force even varying the speed of stringing.

- One pair of steel capstans lined with multi-grooved nylon sectors.
- Machine control panel equipped with hydraulic dynamometer and mechanical metercounter.
- Device to control low-force tensions (min. 1 kN), specially fit for optical fibers.
- Freewheeling disconnection (neutral) of capstans.
- Safety negative hydraulic brake.
- Back fix conductor-driver 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.
- Grounding connection point.

OPTIONAL DEVICES

- 010 Arrangement to use the machine as a puller (fed by a separated hydraulic power unit).
- 024.1 Aluminium sectors with grooves, fit for tripolar cable ELICORD 80-mm dia.
- 045.3 Manual clamp for conductor.
- 047.2 Hydraulic front plough.
- 048 Hydraulic back stabilisers.

FEATURES

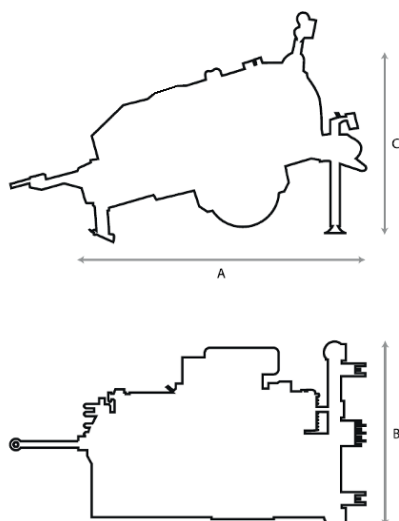
Capstans	2 x Ø 1500 mm
Capstans grooves	6 + 6
Dimensions AxBxC	3,85x1,80x2,25 m
Weight	2000 kg

TENSION PERFORMANCES

Max tension force	25 kN
Min tension force	1kN
Max speed	5 km/h

ELICORD - with opt. 024.1

Max diameter of elicord cable	80 mm
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Hydraulic tensioner fit to string one conductor or fiber optic cable. One hydraulic circuit allows to tension at constant force even varying the speed of stringing. Equipped with engine for pull-back performances.

- One pair of steel capstans lined with multi-grooved nylon sectors.
- Machine control panel equipped with built-in electronic instrument featuring a large graphic color display and a USB port. Main functions include display of pull-force, speed and length of cable in real time, max pull force setting, display of working hours, data recording and storage on a pen-drive (data processing software provided).
- Device to control low-force tensions (min. 1 kN), specially fit for optical fibers.
- Freewheeling disconnection (neutral) of capstans.
- Safety negative hydraulic brake.
- Back fix conductor-driver 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 a reel-stand.
- Grounding connection point.

OPTIONAL DEVICES

- 008 Damped axle, air brake, drawbar and lights for towing on the road (homologation excluded).
- 006.1 Lights for towing on the road.
- 024.1 Aluminium sectors with grooves, fit for tripolar cable ELICORD 80-mm dia.
- 037 Remote control by cable, with 10 m of cable.
- 038 Radio-control (max distance 50 m).
- 045.2 Automatic clamp for conductor.
- 045.3 Manual clamp for conductor.
- 069.5 Printer for the electronic recorder, with accessories.
- 047.2 Hydraulic front plough.
- 048 Hydraulic back stabilisers.

FEATURES

Capstans	2 x Ø 1500 mm
Capstans grooves	6 + 6
Dimensions AxBxC	3,85x1,80x2,25 m
Weight	2350 kg

TENSION PERFORMANCES

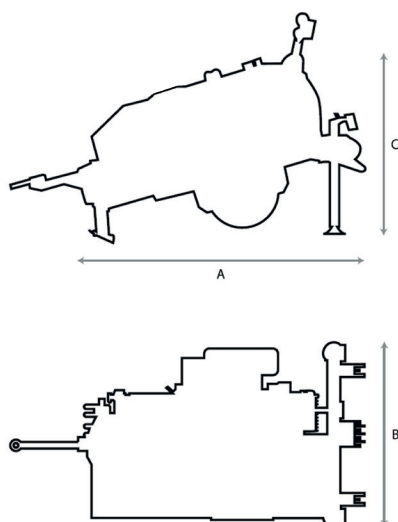
Max tension force	30 kN
Min tension force	1 kN
Max speed	5 km/h

ENGINE

Feeding	diesel
Power	38 hp / 28 kW
Cooling	water
Electric plant	12 V

PULL-BACK PERFORMANCES

Max pull	30 kN
Max speed	1 km/h

F120.40.2 max tension 40 kN

Hydraulic tensioner fit to string one or two conductors or fiber optic cables.
One hydraulic circuit allows to tension at constant force even varying the speed of stringing.

- One pair of steel capstans lined with multi-grooved nylon sectors.
- Machine control panel equipped with hydraulic dynamometer and mechanical metercounter.
- Device to control low-force tensions (2-20 kN), specially fit for optical fibers.
- Freewheeling disconnection (neutral) of capstans.
- 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.
- Grounding connection point.

OPTIONAL DEVICES

- 010 Arrangement to use the machine as a puller (fed by a separated hydraulic power unit).
- 045.3 Manual clamp for 2 conductors.
- 047.2 Hydraulic front plough.
- 048 Hydraulic back stabilisers.

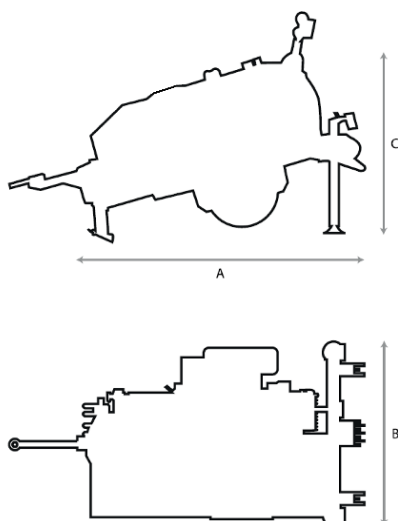
FEATURES

Capstans	2 x Ø 1500 mm
Capstans grooves	6 + 6
Max conductor diameter	2 x 34 mm
Dimensions AxBxC	3,25x1,80x2,15 m
Weight	2600 kg

TENSION PERFORMANCES

Max tension force	40 kN
Min tension force	1,5 kN
Max speed	5 km/h

**ALSO AVAILABLE VERSION WITH
 Ø1200 mm CAPSTANS**



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.

- One pair of steel capstans lined with multi-grooved nylon sectors.
- Machine control panel equipped with built-in electronic instrument featuring a large graphic color display and a USB port. Main functions include display of pull-force, speed and length of cable in real time, max pull force setting, display of working hours, data recording and storage on a pen-drive (data processing software provided).
- Device to control low-force tensions (2-20 kN), specially fit for optical fibers.
- Freewheeling disconnection (neutral) of capstans.
- 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.
- Two auxiliary hydraulic circuits for controlling 1 or 2 reel-stands.
- Grounding connection point.

OPTIONAL DEVICES

- 008 Damped axle, air brake, drawbar and lights for towing on the road (homologation excluded).
- 006.1 Lights for towing on the road.
- 037 Remote control by cable, with 10 m of cable.
- 038 Radio-control (max distance 50 m).
- 045.2 Automatic clamp for 2 conductors.
- 045.3 Manual clamp for 2 conductors.
- 069.5 Printer for the electronic recorder, with accessories.
- 047.2 Hydraulic front plough.
- 048 Hydraulic back stabilisers.

FEATURES

Capstans	2 x Ø 1500 mm
Capstans grooves	6 + 6
Max conductor diameter	2 x 34 mm
Dimensions AxBxC	3,95x2,00x2,40 m
Weight	2700 kg

TENSION PERFORMANCES

Max tension force	45 kN
Min tension force	2 kN
Max speed	5 km/h

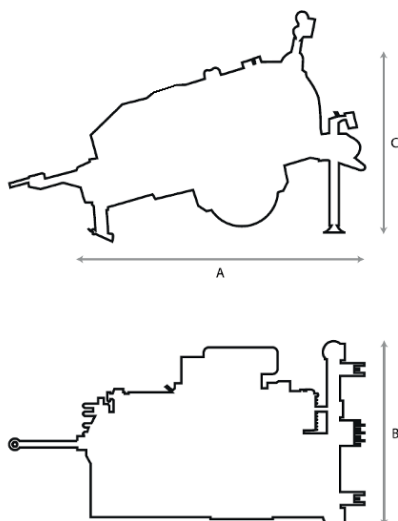
ENGINE

Feeding	diesel
Power	38 hp / 28 kW
Cooling	water
Electric plant	12 V

PULL-BACK PERFORMANCES

Max pull	45 kN
Max speed	0,8 km/h

**ALSO AVAILABLE VERSION WITH
Ø1200 mm CAPSTANS**



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.

- One pair of steel capstans lined with multi-grooved nylon sectors.
- Machine control panel equipped with built-in electronic instrument featuring a large graphic color display and a USB port. Main functions include display of pull-force, speed and length of cable in real time, max pull force setting, display of working hours, data recording and storage on a pen-drive (data processing software provided).
- Device to control low-force tensions (4-30 kN), specially fit for fibre-optic cables.
- Freewheeling disconnection (neutral) of capstans.
- 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.
- Two auxiliary hydraulic circuits for controlling 1 or 2 reel-stands.
- Grounding connection point.

OPTIONAL DEVICES

- 008 Damped axle, air brake, drawbar and lights for towing on the road (homologation excluded).
- 006.1 Lights for towing on the road.
- 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 50 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.

FEATURES

Capstans	2 x Ø 1500 mm
Capstans grooves	8 + 8
Max conductor diameter	2 x 42 mm
Dimensions AxBxC	3,80x2,05x2,40 m
Weight	3500 kg

TENSION PERFORMANCES

Max tension force	75 kN
Min tension force	4 kN
Max speed	5 km/h

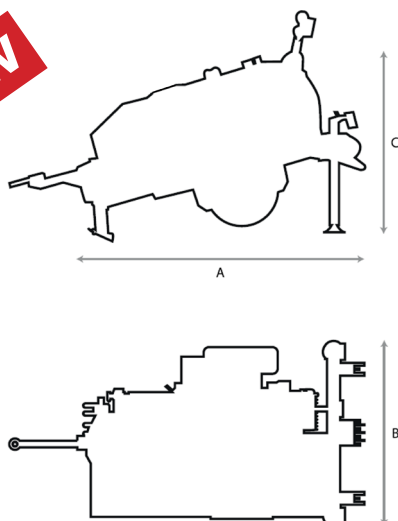
ENGINE

Feeding	diesel
Power	60 hp / 44 kW
Cooling	water
Electric plant	12 V

PULL-BACK PERFORMANCES

Max pull	75 kN
Max speed	1 km/h

**ALSO AVAILABLE VERSION WITH
Ø1200 mm CAPSTANS**

NEW


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.

- One pair of steel capstans lined with multi-grooved nylon sectors.
- Machine control panel equipped with built-in electronic instrument featuring a large graphic color display and a USB port. Main functions include display of pull-force, speed and length of cable in real time, max pull force setting, display of working hours, data recording and storage on a pen-drive (data processing software provided).
- Device to control low-force tensions (4-30 kN), specially fit for fibre-optic cables.
- Freewheeling disconnection (neutral) of capstans.
- 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.
- Two auxiliary hydraulic circuits for controlling 1 or 2 reel-stands.
- Grounding connection point.

OPTIONAL DEVICES

- 008 Damped axle, air brake, drawbar and lights for towing on the road (homologation excluded).
- 006.1 Lights for towing on the road.
- 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 50 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.

FEATURES

Capstans	2 x Ø 1500 mm
Capstans grooves	8 + 8
Max conductor diameter	2 x 42 mm
Dimensions AxBxC	3,80x2,05x2,40 m
Weight	3500 kg

TENSION PERFORMANCES

Max tension force	90 kN
Min tension force	4 kN
Max speed	5 km/h

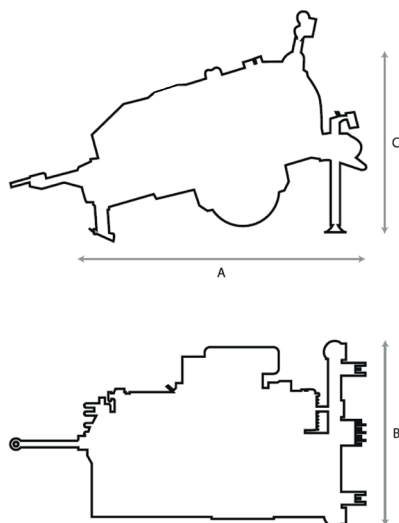
ENGINE

Feeding	diesel
Power	60 hp / 44 kW
Cooling	water
Electric plant	12 V

PULL-BACK PERFORMANCES

Max pull	90 kN
Max speed	0,8 km/h

**ALSO AVAILABLE VERSION WITH
Ø1800 mm CAPSTANS**



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.

- Two pairs of steel capstans lined with multi-grooved nylon sectors.
- Machine control panel equipped with 2 built-in electronic instruments featuring a large graphic color display and a USB port. Main functions include display of pull-force, speed and length of cable in real time, max pull force setting, display of working hours, data recording and storage on a pen-drivers (data processing software provided).
- 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.
- Device for coupling the two pairs of capstans.
- Two auxiliary hydraulic circuits for controlling 1 or 2 reel-stands.
- 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 for towing on the road (homologation excluded).
- 006.1 Lights for towing on the road.
- 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 (3-30 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 50 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).

FEATURES

Capstans	4 x Ø 1500 mm
Capstans grooves	8 + 8
Max conductor diameter	2 x 42 mm
Dimensions AxBxC	3,90x2,40x2,80 m
Weight	5400 kg

TENSION PERFORMANCES

Max tension force	1 x 100 kN or 2 x 50 kN
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Max speed	5 km/h
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ENGINE

Feeding	diesel
Power	66 hp / 49 kW
Cooling	water
Electric plant	12 V

PULL-BACK PERFORMANCES

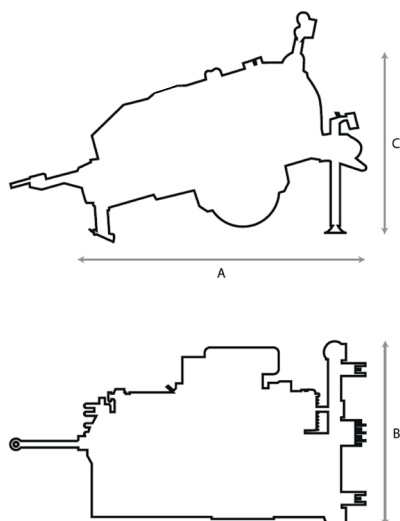
Max pull	1 x 100 kN or 2 x 50 kN
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Max speed	0,8 km/h
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ALSO AVAILABLE F120.90.22

max tension force	1 x 90 kN or 2 x 45 kN
max speed	5 km/h
max pull force	1 x 90 kN or 2 x 45 kN
max speed	1 km/h

ALSO AVAILABLE VERSION WITH Ø1800 mm CAPSTANS



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.

- Two pairs of steel capstans lined with multi-grooved nylon sectors.
- Machine control panel equipped with 2 built-in electronic instruments featuring a large graphic color display and a USB port. Main functions include display of pull-force, speed and length of cable in real time, max pull force setting, display of working hours, data recording and storage on a pen-drive (data processing software provided).
- Two safety negative hydraulic brakes.
- Back fix conductor-driver 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.
- Grounding connection point.

OPTIONAL DEVICES

- 005.1 Chassis with 2 damped axles (tandem), air braking system and lights.
- 006.1 Lights for towing on the road.
- 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 50 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).

FEATURES

Capstans	4 x Ø 1800 mm
Capstans grooves	10 + 10
Max conductor diameter	2 x 46 mm
Dimensions AxBxC	4,25x2,48x2,80 m
Weight	7700 kg

TENSION PERFORMANCES

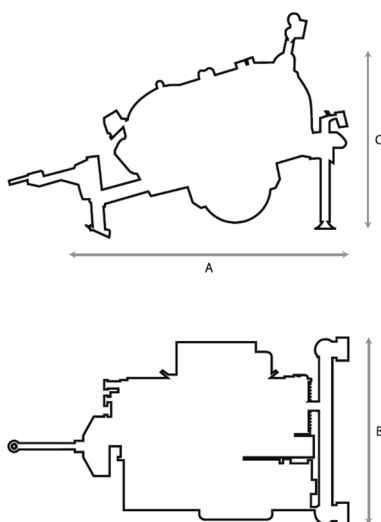
Max tension force	1 x 140 kN or 2 x 70 kN
Max speed	5 km/h

ENGINE

Feeding	diesel
Power	87 hp / 64 kW
Cooling	water
Electric plant	24 V

PULL-BACK PERFORMANCES

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



Hydraulic tensioner fit to string 1, 2 or 3 conductors. One hydraulic circuit allows to tension at constant force even varying the speed of stringing. Equipped with engine for pull-back performances.

- One pair of steel capstans lined with multi-grooved nylon sectors.
- Machine control panel equipped with built-in electronic instrument featuring a large graphic color display and a USB port. Main functions include display of pull-force, speed and length of cable in real time, max pull force setting, display of working hours, data recording and storage on a pen-drive (data processing software provided).
- Safety negative hydraulic brake.
- Three 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.
- Three auxiliary hydraulic circuits for controlling 1, 2 or 3 reel-stands.
- Grounding connection point.

OPTIONAL DEVICES

- 005.4 Chassis with 2 rigid axles (tandem).
- 006.1 Lights for towing on the road.
- 012 Predisposition of one hydraulic circuit to feed a press for high pressure joints (max. 700 bar).
- 017 Device to control low-force tension values, specially fit for fibre-optic cables.
- 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 50 m).
- 045.2 Automatic clamp for 3 conductors.
- 045.3 Manual clamp for 3 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).

FEATURES

Capstans	2 x Ø 1500 mm
Capstans grooves	12 + 12
Max conductor diameter	3 x 42 mm
Dimensions AxBxC	4,20x2,40x2,60 m
Weight	5800 kg

TENSION PERFORMANCES

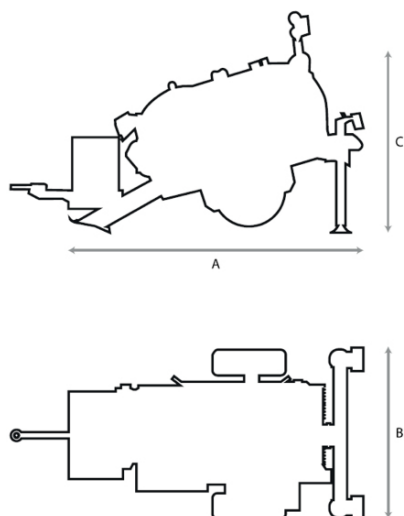
Max tension force	120 kN
Max speed	5 km/h

ENGINE

Feeding	diesel
Power	92 hp / 68 kW
Cooling	water
Electric plant	12 V

PULL-BACK PERFORMANCES

Max pull	120 kN
Max speed	1 km/h



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

- Three pairs of steel capstans lined with multi-grooved nylon sectors.
- Machine control panel equipped with 3 built-in electronic instruments featuring a large graphic color display and a USB port. Main functions include display of pull-force, speed and length of cable in real time, max pull force setting, display of working hours, data recording and storage on a pen-drive (data processing software provided).
- Three safety negative hydraulic brakes.
- Back 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 three of pairs of capstans.
- Three auxiliary hydraulic circuits for controlling 1, 2 or 3 reel-stands.
- Grounding connection point.

OPTIONAL DEVICES

- 005.1 Chassis with 2 damped axles (tandem), air braking system and lights.
- 006.1 Lights for towing on the road.
- 012 Predisposition of one hydraulic circuit to feed a press for high pressure joints (max. 700 bar).
- 017 Hydraulic/mechanical device (no.1, on 1 circuit) to control low tension values, 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 50 m).
- 045.2 Automatic clamp for 3 conductors.
- 045.3 Manual clamp for 3 conductors.
- 069.5 Printer for the electronic recorder, with accessories.

FEATURES

Capstans	6 x Ø 1500 mm
Capstans grooves	5 (tot.30)
Max conductor diameter	3 x 42 mm
Dimensions AxBxC	4,90x2,40x2,90 m
Weight	8900 kg

TENSION PERFORMANCES

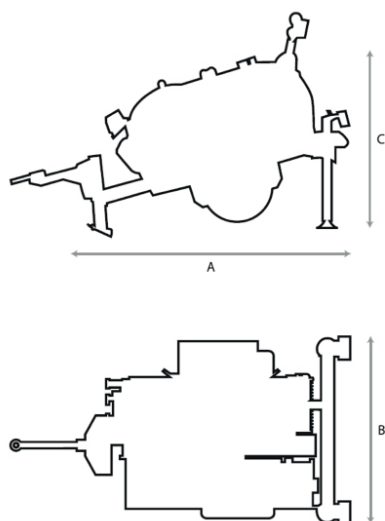
Max tension force	135 kN = 3 x 45 kN or 1 x 90+1 x 45 kN
Max speed	5 km/h

ENGINE

Feeding	diesel
Power	87 hp / 64 kW
Cooling	water
Electric plant	12 V

PULL-BACK PERFORMANCES

Max pull	135 kN = 3 x 45 kN or 1 x 90+1 x 45 kN
Max speed	1,5 km/h



Hydraulic tensioner fit to string 1, 2, 3 or 4 (up to 6 on demand) conductors. One hydraulic circuit allows to tension at constant force even varying the speed of stringing. Equipped with engine for pull-back performances.

- One pair of steel capstans lined with multi-grooved nylon sectors.
- Machine control panel equipped with built-in electronic instrument featuring a large graphic color display and a USB port. Main functions include display of pull-force, speed and length of cable in real time, max pull force setting, display of working hours, data recording and storage on a pen-drive (data processing software provided).
- Safety negative hydraulic brakes.
- Back fix conductor-driven with nylon rollers for 4 conductors.
- 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.
- Four auxiliary hydraulic circuits for controlling 1, 2 or 3 reel-stands.
- Grounding connection point.

OPTIONAL DEVICES

- 005.4 Chassis with 2 rigid axles (tandem).
- 006.1 Lights for towing on the road.
- 012 Predisposition of one hydraulic circuit to feed a press for high pressure joints (max. 700 bar).
- 017 Device to control low-force tension values, specially fit for fibre-optic cables.
- 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 50 m).
- 045.2 Automatic clamp for conductors.
- 045.3 Manual clamp for 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).

FEATURES

Capstans	2 x Ø 1500 mm
Capstans grooves	16 + 16
Max conductor diameter	4 x 42 mm
Dimensions AxBxC	4,20x2,50x2,70 m
Weight	6900 kg

TENSION PERFORMANCES

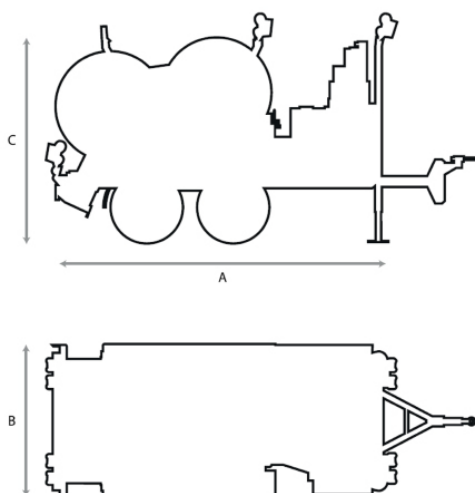
Max tension force	150 kN
Max speed	5 km/h

ENGINE

Feeding	diesel
Power	92 hp / 68 kW
Cooling	water
Electric plant	24 V

PULL-BACK PERFORMANCES

Max pull	150 kN
Max speed	1,6 km/h



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.

- Two pairs of steel capstans lined with multi-grooved nylon sectors.
- Machine control panel equipped with 2 built-in electronic instruments featuring a large graphic color display and a USB port. Main functions include display of pull-force, speed and length of cable in real time, max pull force setting, display of working hours, data recording and storage on a pen-drive (data processing software provided).
- 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.
- Four auxiliary hydraulic circuits for controlling 1, 2, 3 or 4 reel-stands.
- Grounding connection point.

OPTIONAL DEVICES

- 005.1 Chassis with 2 damped axles (tandem), air braking system and lights.
- 006.1 Lights for towing on the road.
- 012 Predisposition of one hydraulic circuit to feed a press for high pressure joints (max. 700 bar).
- 017 Hydraulic/mechanical device (no.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 50 m).
- 045.2 Automatic clamp for 4 conductors.
- 045.3 Manual clamp for 4 conductors.
- 069.5 Printer for the electronic recorder, with accessories.

FEATURES

Capstans	4 x Ø 1500 mm
Capstans grooves	10 (tot.40)
Max conductor diameter	4 x 42 mm
Dimensions AxBxC	5,10x2,45x3,00 m
Weight	8000 kg

TENSION PERFORMANCES

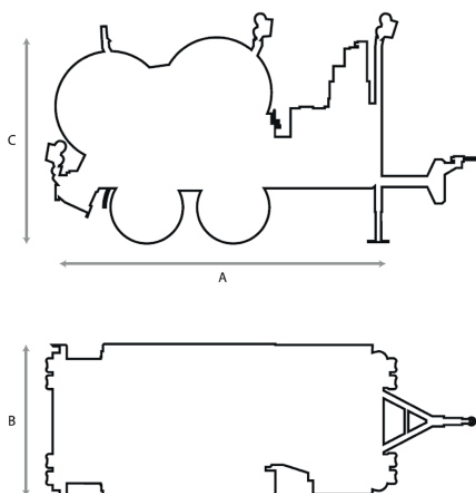
Max tension force	150 kN = 2 x 75 kN
Max tension per conductor	37,5 kN
Max speed	5 km/h

ENGINE

Feeding	diesel
Power	87 hp / 64 kW
Cooling	water
Electric plant	12 V

PULL-BACK PERFORMANCES

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



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

- Four pairs of steel capstans lined with multi-grooved nylon sectors.
- Machine control panel equipped with 4 built-in electronic instruments featuring a large graphic color display and a USB port. Main functions include display of pull-force, speed and length of cable in real time, max pull force setting, display of working hours, data recording and storage on a pen-drive (data processing software provided).
- Four 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 four of pairs of capstans.
- Four auxiliary hydraulic circuits for controlling 1, 2, 3 or 4 reel-stands.
- Grounding connection point.

OPTIONAL DEVICES

- 005.1 Chassis with 2 damped axles (tandem), air braking system and lights.
- 006.1 Lights for towing on the road.
- 012 Predisposition of one hydraulic circuit to feed a press for high pressure joints (max. 700 bar).
- 017 Hydraulic/mechanical device (no.1, on 1 circuit) to control low tension values, 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 50 m).
- 045.2 Automatic clamp for 4 conductors.
- 045.3 Manual clamp for 4 conductors.
- 069.5 Printer for the electronic recorder, with accessories.

FEATURES

Capstans	8 x Ø 1500 mm
Capstans grooves	5 (tot.40)
Max conductor diameter	4 x 42 mm
Dimensions AxBxC	5,10x2,50x3,10 m
Weight	11000 kg

TENSION PERFORMANCES

Max tension force	200 kN = 2 x 100 kN or 4 x 50 kN
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Max speed	5 km/h
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ENGINE

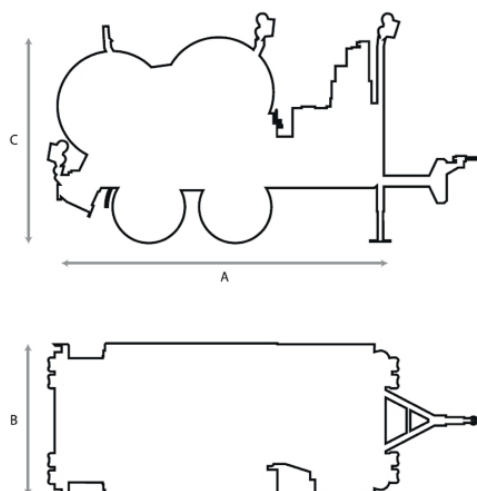
Feeding	diesel
Power	125 hp / 92 kW
Cooling	water
Electric plant	12 V

PULL-BACK PERFORMANCES

Max pull	200 kN = 2 x 100 kN or 4 x 50 kN
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Max speed	1 km/h
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**ALSO AVAILABLE VERSION WITH
Ø1800 mm CAPSTANS**



Hydraulic tensioner fit to string 1, 2, 3 or 4 (up to 6 on demand) 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 of them matched

- Two pairs of steel capstans lined with multi-grooved nylon sectors, fit for 4 conductors totally.
- Machine control panel equipped with 2 built-in electronic instruments featuring a large graphic color display and a USB port. Main functions include display of pull-force, speed and length of cable in real time, max pull force setting, display of working hours, data recording and storage on a pen-drive (data processing software provided).
- 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 of pairs of capstans.
- Four auxiliary hydraulic circuits for controlling up to 4 reel-stands.
- Grounding connection point.

OPTIONAL DEVICES

- 005.1 Chassis with 2 damped axles (tandem), air braking system and lights.
- 006.1 Lights for towing on the road.
- 012 Predisposition of one hydraulic circuit to feed a press for high pressure joints (max. 700 bar).
- 020.3 Set of nylon sectors with grooves fit for 6 conductors Ømax 38,5 mm (instead of standard set) and 2 additional hydraulic circuits to control 2 extra reel-stand (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 50 m).
- 045.2 Automatic clamp for 6 conductors.
- 069.5 Printer for the electronic recorder, with accessories.

FEATURES

Capstans	4 x Ø 1800 mm
Max conductor diameter	4 x 51 mm
Dimensions AxBxC	5,40x2,45x3,00 m
Weight	14500 kg

TENSION PERFORMANCES

Max tension force 280 kN = 2 x 140 kN

Max speed 5 km/h

ENGINE

Feeding	diesel
Power	176 hp / 130 kW
Cooling	water
Electric plant	24 V

PULL-BACK PERFORMANCES

Max pull	280 kN = 2 x 140 kN
Max speed	1 km/h