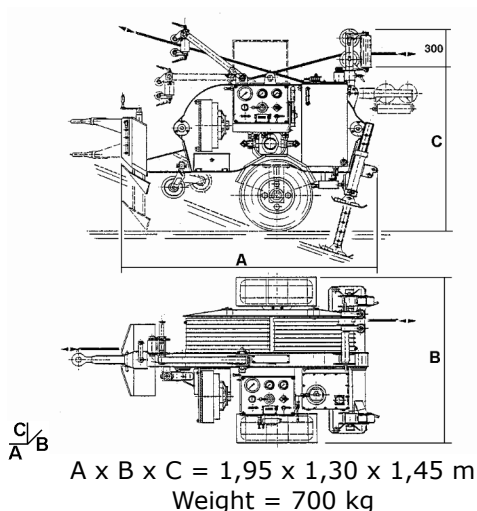


# 2

## HYDRAULIC TENSIONERS

Mod. **F104.15**

Hydraulic tensioner fit to tension one conductor.  
One hydraulic circuit lets 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.
- 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 workplace.
- Stabilisers, share and attachments for anchoring the machine.

**OPTIONAL DEVICES**

- 001.1 Freewheeling disconnection (neutral) of capstans.
- 010 - Arrangement to use the machine as a puller (fed by a separated hydraulic power unit).
- 026 - PVC cloth cover.
- 045.3 Manual clamp for rope/conductor.

**FEATURES**

Capstans	2 x Ø 700 mm
Capstan grooves	4 + 4
Max conductor diameter	24 mm




**TENSION PERFORMANCES**

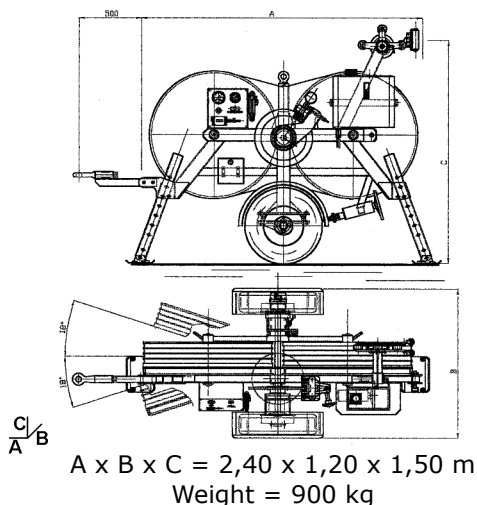
Max tension force	15 kN
Min tension force	1 kN
Max speed	5 km/h

**also available mod. F104.25**

max tension force	25 kN
min tension force	1 kN
max speed	5 km/h

equipped with heat exchanger to cool the oil  
in the hydraulic circuit

		
<b>700</b> mm capstan diameter	<b>22</b> mm conductor max diam.	<b>15</b> kN max tension

Mod. **F75.20****F75.30**

Hydraulic tensioner fit to tension one conductor, specially fit for optical-fiber wires (OPGW).

One hydraulic circuit lets 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, 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 workplace.
- Stabilisers, share and attachments for anchoring the machine.
- Heat exchanger to cool the oil in the hydraulic circuit.

**OPTIONAL DEVICES**

- 010 - Arrangement to use the machine as a puller (fed by a separated hydraulic power unit).
- 026 - PVC cloth cover.
- 045.3 Manual clamp for rope/conductor.

**FEATURES**

Capstans	2 x Ø 1000 mm
Capstan grooves	5 + 5
Max conductor diameter	26 mm

**TENSION PERFORMANCES**

Max tension force	20 kN
Min. tension force	1 kN
Max speed	5 km/h

**also available mod. F75.30**




max tension force	30 kN
min tension force	1,5 kN
max speed	5 km/h
dimensions AxBxC	2,85 x 1,60 x 1,50 m
weight with no optionals	1500 kg

**OMAC s.n.c.**

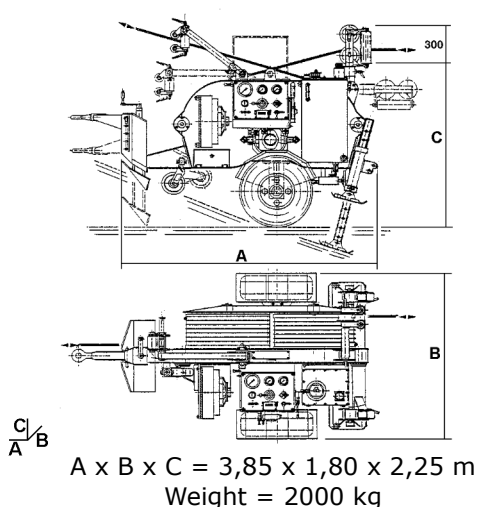
Via Pizzo Camino, 13  
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Performances of the machine without optional devices, at sea level and temperature 20°C. Dimensions and weights are without optional devices. All data may change without notice. Images and drawings are indicative only.

		
<b>1000</b> mm capstan diameter	<b>26</b> mm conductor max diam.	<b>20</b> kN max tension

**3120-0**  
rev. 05/12 EN

Mod. **F120.25**

Hydraulic tensioner fit to tension one conductor or fiber optic cable.

One hydraulic circuit lets 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 workplace.
- Stabilisers, share and attachments for anchoring the machine.
- Heat exchanger to cool the oil in the hydraulic circuit.

**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.
- 026 - PVC cloth cover.
- 045.3 Manual clamp for rope/conductor.

**FEATURES**

Capstans	2 x Ø 1500 mm
Capstan grooves	5 + 5
Max conductor diameter	34 mm




**TENSION PERFORMANCES**

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

**ELICORD – with opt. 024.1**

Max diameter of elicord cable	80 mm
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fit for three-polar cables  
**ELICORD**  
(with opt. 024.1)

		
<b>1500</b> mm capstan diameter	<b>34</b> mm conductor max diam.	<b>25</b> kN max tension

**OMAC s.n.c.**

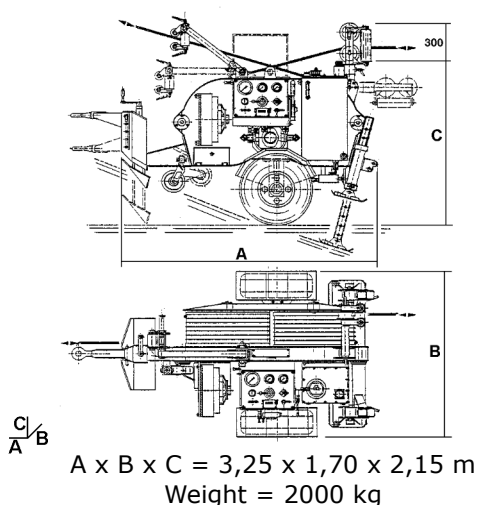
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Performances of the machine without optional devices, at sea level and temperature 20°C. Dimensions and weights are without optional devices. All data may change without notice. Images and drawings are indicative only.

**3140-2**  
rev. 02:12 EN



Mod. **F200.30**

Hydraulic tensioner fit to tension one conductor or fiber optic cable.

One hydraulic circuit lets 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 (1,5-15 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 workplace.
- Stabilisers, share and attachments for anchoring the machine.
- Heat exchanger to cool the oil in the hydraulic circuit.

**OPTIONAL DEVICES**

- 010 - Arrangement to use the machine as a puller (fed by a separated hydraulic power unit).
- 026 - PVC cloth cover.
- 045.3 Manual clamp for rope/conductor.

**FEATURES**

Capstans	2 x Ø 1200 mm
Capstan grooves	5 + 5
Max conductor diameter	34 mm

**TENSION PERFORMANCES**

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




fit for  
fibre-optic cables

**OMAC s.n.c.**

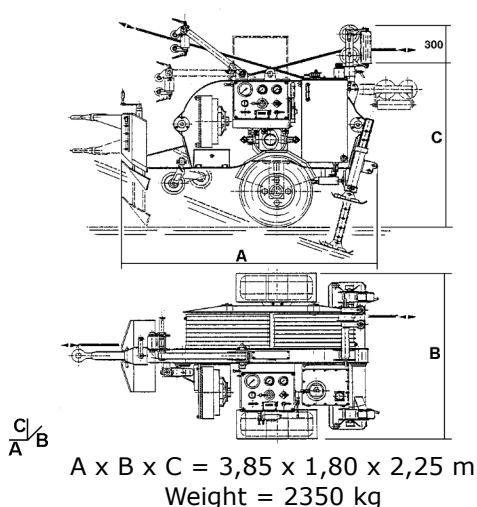
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Performances of the machine without optional devices, at sea level and temperature 20°C. Dimensions and weights are without optional devices. All data may change without notice. Images and drawings are indicative only.

		
<b>1200</b> mm capstan diameter	<b>34</b> mm conductor max diam.	<b>30</b> kN max tension

**3130-0**  
rev. 06:12 EN

Mod. **F120.30**

Hydraulic tensioner fit to tension one conductor or fiber optic cable.

One hydraulic circuit lets to tension at constant force even varying the speed of stringing.

Possibility to use the machine as a puller for recovering conductors.

- One pair of steel capstans lined with multi-grooved nylon sectors.
- Machine control panel equipped with electronic instrument that operates as dynamometer, preselector of max pull force, metercounter and speedometer.
- 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 workplace.
- Stabilisers, share and attachments for anchoring the machine.
- Heat exchanger to cool the oil in the hydraulic circuit.
- Auxiliary hydraulic circuit for controlling a reel-stand.

**OPTIONAL DEVICES**

- 007 - Chassis with amortised axle, overrun brake and drawbar for towing on road (homologation excluded).
- 024.1 Aluminium sectors with grooves, fit for tripolar cable ELICORD 80-mm dia.
- 026 - PVC cloth cover.
- 037 - Remote control by cable, with 10 m of cable.
- 038 - Radio-control (max distance 50 m).
- 045.2 Automatic clamp for rope/conductor.
- 045.3 Manual clamp for rope/conductor.
- 069.2 Electronic device with USB port, to save the data of the pull.
- 069.5 Printer for the electronic recorder, with accessories.

**FEATURES**

Capstans	2 x Ø 1500 mm
Capstan grooves	5 + 5
Max conductor diameter	34 mm

**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 system	acqua
Electric system	12 V

**PULL-BACK PERFORMANCES**

Max pull	30 kN
Max speed	1 km/h

fit for three-polar cables  
**ELICORD Ø 80 mm**  
(with opt. 024.1)

		
<b>1500</b> mm capstan diameter	<b>34</b> mm conductor max diam.	<b>30</b> kN max tension

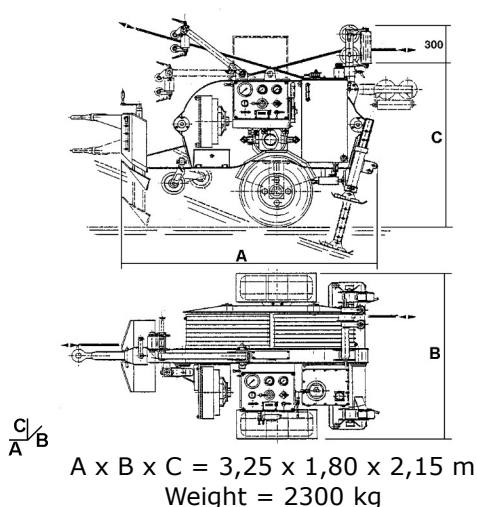
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Performances of the machine without optional devices, at sea level and temperature 20°C. Dimensions and weights are without optional devices. All data may change without notice. Images and drawings are indicative only.

**3150-1**  
rev. 02:12 EN

Mod. **F200.35**

Hydraulic tensioner fit to tension one conductor or fiber optic cable.

One hydraulic circuit lets to tension at constant force even varying the speed of stringing.

Possibility to use the machine as a puller for recovering conductors.

- One pair of steel capstans lined with multi-grooved nylon sectors.
- Machine control panel equipped with electronic instrument that operates as dynamometer, preselector of max pull force, metercounter and speedometer.
- Device to control low-force tensions (1,5-20 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 workplace.
- Stabilisers, share and attachments for anchoring the machine.
- Heat exchanger to cool the oil in the hydraulic circuit.
- Auxiliary hydraulic circuit for controlling a reel-stand.

**OPTIONAL DEVICES**

- 007 - Chassis with amortised axle, overrun brake and drawbar for towing on road (homologation excluded).
- 026 - PVC cloth cover.
- 037 - Remote control by cable, with 10 m of cable.
- 038 - Radio-control (max distance 50 m).
- 045.2 Automatic clamp for rope/conductor.
- 045.3 Manual clamp for rope/conductor.
- 069.2 Electronic device with USB port, to save the data of the pull.
- 069.5 Printer for the electronic recorder, with accessories.

**FEATURES**

Capstans	2 x Ø 1200 mm
Capstan grooves	5 + 5
Max conductor diameter	34 mm

**TENSION PERFORMANCES**




Max tension force	35 kN
Min. tension force	1,5 kN
Max speed	5 km/h

**ENGINE**

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

**PULL-BACK PERFORMANCES**

Max pull force	35 kN
Max speed	0,9 km/h

		
<b>1200</b> mm capstan diameter	<b>34</b> mm conductor max diam.	<b>35</b> kN max tension

**OMAC s.n.c.**

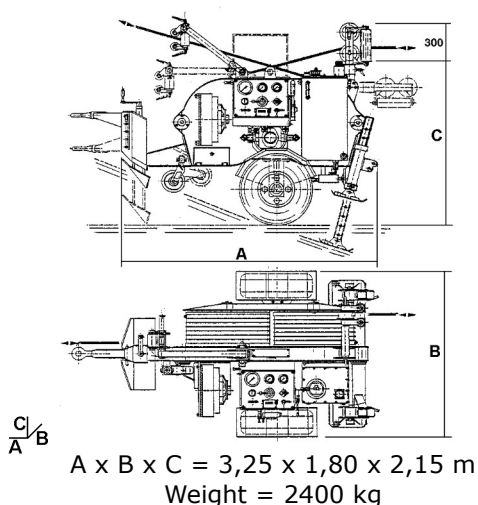
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Performances of the machine without optional devices, at sea level and temperature 20°C. Dimensions and weights are without optional devices. All data may change without notice. Images and drawings are indicative only.

**3132-0**  
rev. 00:12 EN



Mod. **F200.40.2**

Hydraulic tensioner fit to tension one or two conductors or optical fibre cables.

One hydraulic circuit lets 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 (1,5-20 kN), specially fit for optical fibers.
- Freewheeling disconnection (neutral) of capstans.
- Safety negative hydraulic brake.
- Two back fix conductor-driver with nylon rollers.
- Chassis with rigid axle, manual brake and detachable drawbar for towing at low speed in workplace.
- Stabilisers, share and attachments for anchoring the machine.
- Heat exchanger to cool the oil in the hydraulic circuit.

**OPTIONAL DEVICES**

- 010 - Arrangement to use the machine as a puller (fed by a separated hydraulic power unit).
- 026 - PVC cloth cover.
- 045.3 Manual clamp for 2 ropes/conductors.

**FEATURES**

Capstans	2 x Ø 1200 mm
Capstan grooves	6 + 6
Max conductor diameter	2 x 34 mm

**TENSION PERFORMANCES**




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

**OMAC s.n.c.**

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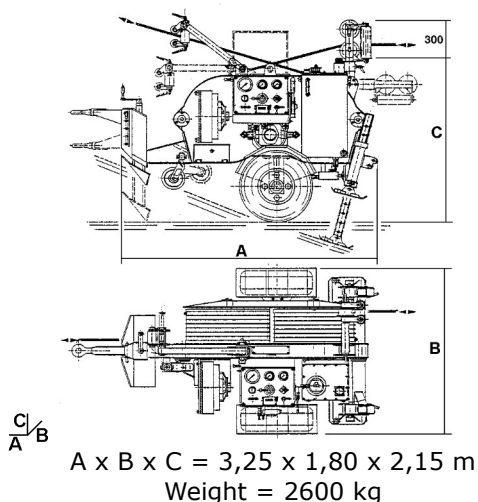
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Performances of the machine without optional devices, at sea level and temperature 20°C. Dimensions and weights are without optional devices. All data may change without notice. Images and drawings are indicative only.

		
<b>1200</b> mm capstan diameter	<b>2 x 34</b> mm conductor max diam.	<b>40</b> kN max tension

**3170-0**  
rev. 07:12 EN



Mod. **F120.40.2**

Hydraulic tensioner fit to tension one or two conductors or optical fibre cables.

One hydraulic circuit lets 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-driver with nylon rollers.
- Chassis with rigid axle, manual brake and detachable drawbar for towing at low speed in workplace.
- Stabilisers, share and attachments for anchoring the machine.
- Heat exchanger to cool the oil in the hydraulic circuit.

**OPTIONAL DEVICES**

- 010 - Arrangement to use the machine as a puller (fed by a separated hydraulic power unit).
- 026 - PVC cloth cover.
- 045.3 Manual clamp for 2 ropes/conductors.

**FEATURES**

Capstans	2 x Ø 1500 mm
Capstan grooves	8 + 8
Max conductor diameter	2 x 34 mm

**TENSION PERFORMANCES**




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

**OMAC s.n.c.**

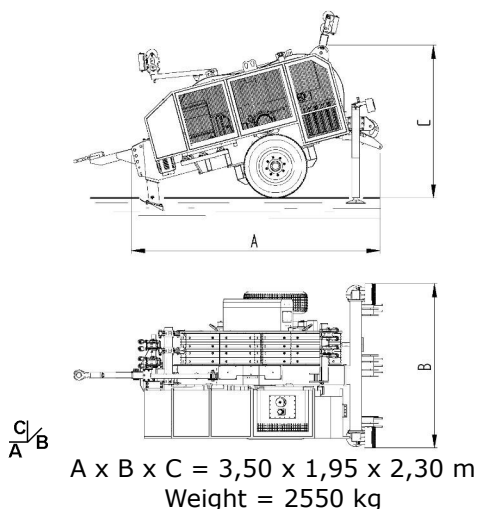
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Performances of the machine without optional devices, at sea level and temperature 20°C. Dimensions and weights are without optional devices. All data may change without notice. Images and drawings are indicative only.

		
<b>1500</b> mm capstan diameter	<b>2 x 34</b> mm conductor max diam.	<b>40</b> kN max tension

**3190-0**  
rev. 05:12 EN

Mod. **F200.45.2**

Hydraulic tensioner fit to tension one or two conductors or optical fibre cables.

One hydraulic circuit lets to tension at constant force even varying the speed of stringing.

Possibility to use the machine as a puller for recovering conductors.

- One pair of steel capstans lined with multi-grooved nylon sectors.
- Machine control panel equipped with electronic instrument that operates as dynamometer, preselector of max pull force, metercounter and speedometer.
- 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-driver with nylon rollers.
- Chassis with rigid axle, manual brake and detachable drawbar for towing at low speed in workplace.
- Stabilisers, share and attachments for anchoring the machine.
- Heat exchanger to cool the oil in the hydraulic circuit.
- Two auxiliary hydraulic circuits for controlling 1 or 2 reel-stands.

**OPTIONAL DEVICES**

- 008 - Amortised axle, air brake, drawbar and lights for towing on the road (homologation excluded).
- 026 - PVC cloth cover.
- 037 - Remote control by cable, with 10 m of cable.
- 038 - Radio-control (max distance 50 m).
- 045.2 Automatic clamp for 2 ropes/conductors.
- 045.3 Manual clamp for 2 ropes/conductors.
- 069.2 Electronic device with USB port, to save the data of the pull.
- 069.5 Printer for the electronic recorder, with accessories.

**FEATURES**

Capstans	2 x Ø 1200 mm
Capstan grooves	8 + 8
Max conductor diameter	2 x 34 mm

**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 system	water
Electric system	12 V

**PULL-BACK PERFORMANCES**





Pull force	45 kN
Max speed	0,8 km/h

**OMAC s.n.c.**

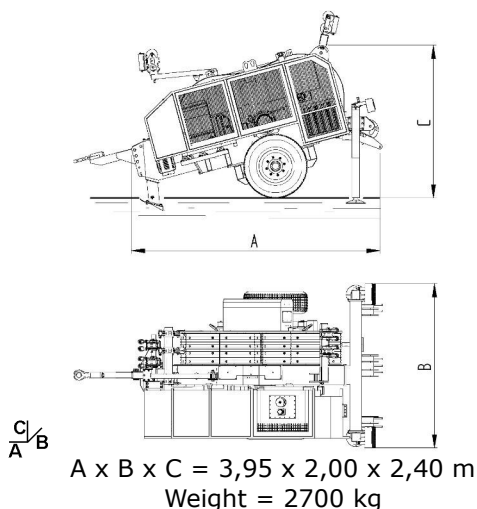
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Performances of the machine without optional devices, at sea level and temperature 20°C. Dimensions and weights are without optional devices. All data may change without notice. Images and drawings are indicative only.

			
<b>1200</b> mm capstan diameter	<b>2 x 34</b> mm conductor max diam.	<b>28</b> kW engine power	<b>45</b> kN max tension

**3175-0**  
rev. 01:12 EN

Mod. **F120.45.2**

Hydraulic tensioner fit to tension one or two conductors or optical fibre cables.

One hydraulic circuit lets to tension at constant force even varying the speed of stringing.

Possibility to use the machine as a puller for recovering conductors.

- One pair of steel capstans lined with multi-grooved nylon sectors.
- Machine control panel equipped with electronic instrument that operates as dynamometer, preselector of max pull force, metercounter and speedometer.
- 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-driver with nylon rollers.
- Chassis with rigid axle, manual brake and detachable drawbar for towing at low speed in workplace.
- Stabilisers, share and attachments for anchoring the machine.
- Heat exchanger to cool the oil in the hydraulic circuit.
- Two auxiliary hydraulic circuits for controlling 1 or 2 reel-stands.

**OPTIONAL DEVICES**

- 008 - Amortised axle, air brake, drawbar and lights for towing on the road (homologation excluded).
- 026 - PVC cloth cover.
- 037 - Remote control by cable, with 10 m of cable.
- 038 - Radio-control (max distance 50 m).
- 045.2 Automatic clamp for 2 ropes/conductors.
- 045.3 Manual clamp for 2 ropes/conductors.
- 069.2 Electronic device with USB port, to save the data of the pull.
- 069.5 Printer for the electronic recorder, with accessories.

**FEATURES**

Capstans	2 x Ø 1500 mm
Capstan grooves	8 + 8
Max conductor diameter	2 x 34 mm

**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 system	water
Electric system	12 V

**PULL-BACK PERFORMANCES**





Pull force	45 kN
Max speed	0,8 km/h

**OMAC s.n.c.**

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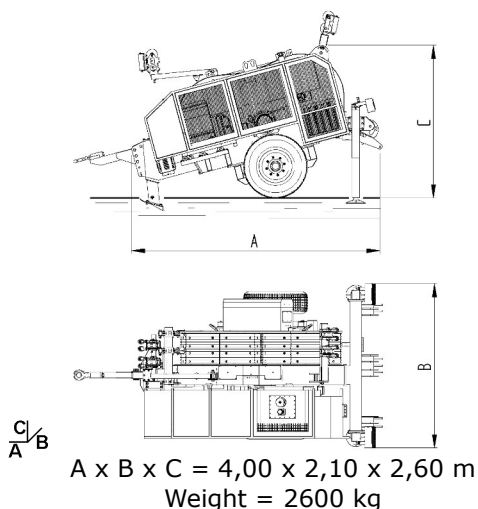
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Performances of the machine without optional devices, at sea level and temperature 20°C. Dimensions and weights are without optional devices. All data may change without notice. Images and drawings are indicative only.

			
<b>1500</b> mm capstan diameter	<b>2 x 34</b> mm conductor max diam.	<b>28</b> kW engine power	<b>45</b> kN max tension

**3195-0**  
rev. 01:12 EN



Mod. **F200.70.2**

Hydraulic tensioner fit to tension one or two conductors or optical fibre cables.

One hydraulic circuit lets 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 (4-30 kN), specially fit for fibre-optic cables.
- Freewheeling disconnection (neutral) of capstans.
- Safety negative hydraulic brake.
- Two back fix conductor-driver with nylon rollers.
- Chassis with rigid axle, manual brake and detachable drawbar for towing at low speed in workplace.
- Stabilisers, share and attachments for anchoring the machine.
- Heat exchanger to cool the oil in the hydraulic circuit.

**OPTIONAL DEVICES**




- 010 - Arrangement to use the machine as a puller (fed by a separated hydraulic power unit).
- 026 - PVC cloth cover.
- 045.3 Manual clamp for 2 ropes/conductors.

**FEATURES**

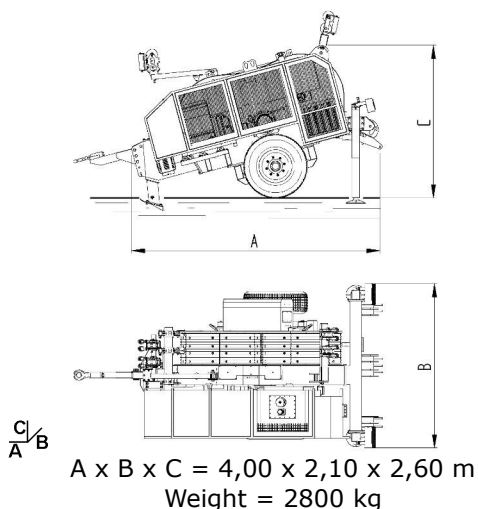
Capstans	2 x Ø 1200 mm
Capstan grooves	10 + 10
Max conductor diameter	2 x 38 mm

**TENSION PERFORMANCES**

Max tension force	70 kN
Max speed	5 km/h

		
<b>1200</b> mm capstan diameter	<b>2 x 38</b> mm conductor max diam.	<b>70</b> kN max tension



Mod. **F120.70.2**

Hydraulic tensioner fit to tension one or two conductors or optical fibre cables.

One hydraulic circuit lets 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 (4-30 kN), specially fit for fibre-optic cables.
- Freewheeling disconnection (neutral) of capstans.
- Safety negative hydraulic brake.
- Two back fix conductor-driver with nylon rollers.
- Chassis with rigid axle, manual brake and detachable drawbar for towing at low speed in workplace.
- Stabilisers, share and attachments for anchoring the machine.
- Heat exchanger to cool the oil in the hydraulic circuit.

**OPTIONAL DEVICES**




- 010 - Arrangement to use the machine as a puller (fed by a separated hydraulic power unit).
- 026 - PVC cloth cover.
- 045.3 Manual clamp for 2 ropes/conductors.

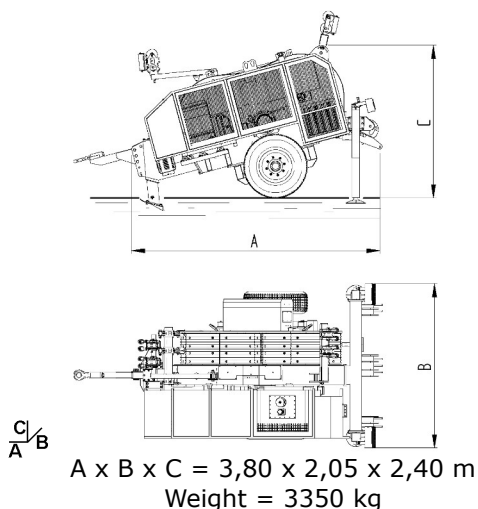
**FEATURES**

Capstans	2 x Ø 1500 mm
Capstan grooves	10 + 10
Max conductor diameter	2 x 40 mm

**TENSION PERFORMANCES**

Max tension force	70 kN
Max speed	5 km/h

		
<b>1500</b> mm capstan diameter	<b>2 x 40</b> mm conductor max diam.	<b>75</b> kN max tension

Mod. **F200.75.2**

Hydraulic tensioner fit to tension one or two conductors or optical fibre cables.

One hydraulic circuit lets to tension at constant force even varying the speed of stringing.

Possibility to use the machine as a puller for recovering conductors.

- One pair of steel capstans lined with multi-grooved nylon sectors.
- Machine control panel equipped with electronic instrument that operates as dynamometer, preselector of max pull force, metercounter and speedometer.
- Device to control low-force tensions (4-25 kN), specially fit for fibre-optic cables.
- Freewheeling disconnection (neutral) of capstans.
- Safety negative hydraulic brake.
- Two back fix conductor-driver with nylon rollers.
- Chassis with rigid axle, manual brake and detachable drawbar for towing at low speed in workplace.
- Stabilisers, share and attachments for anchoring the machine.
- Heat exchanger to cool the oil in the hydraulic circuit.
- Two auxiliary hydraulic circuits for controlling 1 or 2 reel-stands.

**OPTIONAL DEVICES**

- 008 - Amortised axle, air brake, drawbar and lights for towing on the road (homologation excluded).
- 026 - PVC cloth cover.
- 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 ropes/conductors.
- 045.3 Manual clamp for 2 ropes/conductors.
- 069.2 Electronic device with USB port, to save the data of the pull.
- 069.5 Printer for the electronic recorder, with accessories.
- 174.2 Synchroniser device for matching 2 machines to tension more conductors simultaneously, complete with cable-control (20 m) for controlling the 2 machines.

**FEATURES**

Capstans	2 x Ø 1200 mm
Capstan grooves	10 + 10
Max conductor diameter	2 x 38 mm

**TENSION PERFORMANCES**

Max tension	70 kN
Min. tension	4 kN
Max speed	5 km/h

**ENGINE**

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

**PULL-BACK PERFORMANCES**





Max pull	75 kN
Max speed	1 km/h

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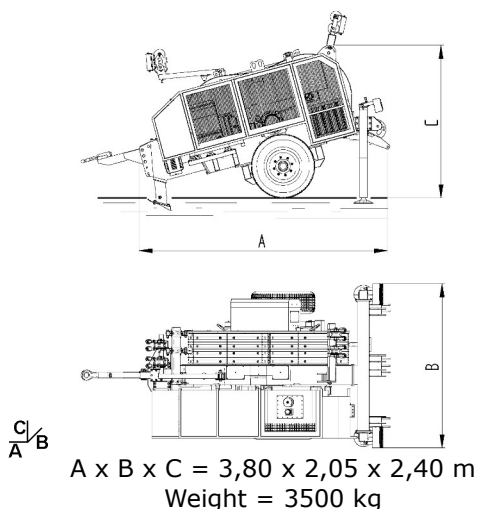
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Performances of the machine without optional devices, at sea level and temperature 20°C. Dimensions and weights are without optional devices. All data may change without notice. Images and drawings are indicative only.

			
<b>1200</b> mm capstan diameter	<b>2 x 38</b> mm max. cond. diameter	<b>44</b> kW engine power	<b>75</b> kN max pull force

**3186-0**  
rev. 00:12 EN

Mod. **F120.75.2**

Hydraulic tensioner fit to tension one or two conductors or optical fibre cables.  
One hydraulic circuit lets to tension at constant force even varying the speed of stringing.  
Possibility to use the machine as a puller for recovering conductors.

- One pair of steel capstans lined with multi-grooved nylon sectors.
- Machine control panel equipped with electronic instrument that operates as dynamometer, preselector of max pull force, metercounter and speedometer.
- 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-driver with nylon rollers.
- Chassis with rigid axle, manual brake and detachable drawbar for towing at low speed in workplace.
- Stabilisers, share and attachments for anchoring the machine.
- Heat exchanger to cool the oil in the hydraulic circuit.
- Two auxiliary hydraulic circuits for controlling 1 or 2 reel-stands.

**OPTIONAL DEVICES**

- 008 - Amortised axle, air brake, drawbar and lights for towing on the road (homologation excluded).
- 026 - PVC cloth cover.
- 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 ropes/conductors.
- 045.3 Manual clamp for 2 ropes/conductors.
- 069.2 Electronic device with USB port, to save the data of the pull.
- 069.5 Printer for the electronic recorder, with accessories.
- 174.2 Synchroniser device for matching 2 machines to tension more conductors simultaneously, complete with cable-control (20 m) for controlling the 2 machines.

**FEATURES**

Capstans	2 x Ø 1500 mm
No. of grooves	10 + 10
Max conductor diameter	2 x 40 mm

**TENSION PERFORMANCES**





Max tension	70 kN
Min. tension	4 kN
Max speed	5 km/h

**ENGINE**

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

**PULL-BACK PERFORMANCES**

Max pull	75 kN
Max	1 km/h

			
<b>1500</b> mm capstan diameter	<b>2 x 40</b> mm max. cond. diameter	<b>44</b> kW engine power	<b>75</b> kN max pull force

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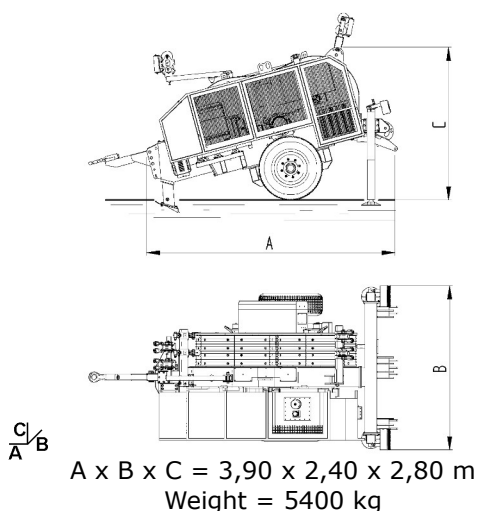
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Performances of the machine without optional devices, at sea level and temperature 20°C. Dimensions and weights are without optional devices. All data may change without notice. Images and drawings are indicative only.

**3215-0**  
rev. 02/13 EN



## Mod. F120.100.22



Hydraulic tensioner fit to string one or two conductors.

Two hydraulic circuits let to tension at constant force even varying the speed of stringing. The two circuits can be used independently or simultaneously, with automatic partition of the forces.

The machine is equipped with an engine for pull-back operations. In pulling-back usage, one hydraulic circuit lets to vary in continuous 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, fit for 2 conductors totally.
- Machine control panel equipped with 2 electronic instruments that operate as dynamometer, preselector of max pull force, metercounter and speedometer.
- 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 workplace.
- Hydraulic share, hydraulic back stabilisers and eyes for anchoring and for lifting the machine.
- Heat exchanger to cool the oil in the hydraulic circuit.
- Mechanism to synchronise the motion of the capstans.
- Device with handle for coupling mechanically the 2 pairs of capstans.
- Two auxiliary hydraulic circuits for controlling 1 or 2 reel-stands.

**OPTIONAL DEVICES**

- 005.1 Chassis with 2 dumped axles (tandem), air braking system and lights.
- 008 - Amortised axle, air brake, drawbar and lights for towing on the 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 braking values (3-30 kN), fit to string fiber optics.
- 026 - PVC cloth cover.
- 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 ropes/conductors.
- 045.3 Manual clamp for 2 ropes/conductors.
- 069.2 Two electronic devices with USB port, to save the data of the pull (n.1 each circuit).
- 069.5 Printer for the electronic recorder, with accessories.
- 174.2 Synchroniser device for matching 2 machines to tension more conductors simultaneously, complete with cable-control (20 m) for controlling the 2 machines.

**FEATURES**

Capstans	4 x Ø 1500 mm
Capstan grooves	10 + 10
Max conductor diameter	2 x 42 mm

**TENSION PERFORMANCES**

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

**ENGINE**

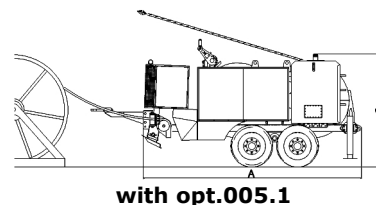
Feeding	diesel
Power	55 hp / 49 kW
Cooling	water
Electric system	12 V





**PULL-BACK PERFORMANCES**

Max pull force	2 x 50 kN or 1 x 100 kN
Max speed	0,8 km/h

**also available mod. F120.80.22**

max tension force	2 x 40 kN or 1 x 80 kN
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<b>1500</b> mm capstan diameter	<b>2 x 42</b> mm conductor max diam.	<b>49</b> kW engine power	<b>100</b> kN max tension

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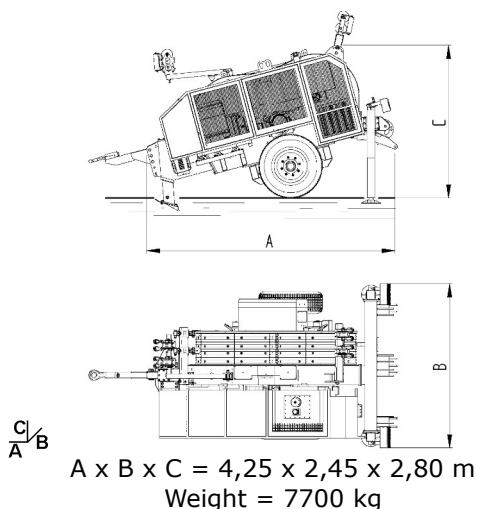
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Performances of the machine without optional devices, at sea level and temperature 20°C. Dimensions and weights are without optional devices. All data may change without notice. Images and drawings are indicative only.

**3327-0**  
rev. 05:13 EN



## Mod. F110.140.22



Hydraulic tensioner fit to string one or two conductors.

Two hydraulic circuits let to tension at constant force even varying the speed of stringing. The two circuits can be used independently or simultaneously, with automatic partition of the forces.

The machine is equipped with an engine for pull-back operations. In pulling-back usage, one hydraulic circuit lets to vary in continuous 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, fit for 2 conductors totally.
- Machine control panel equipped with 2 electronic instruments that operate as dynamometer, preselector of max pull force, metercounter and speedometer.
- 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 workplace.
- Hydraulic share, hydraulic back stabilisers and eyes for anchoring and for lifting the machine.
- Heat exchanger to cool the oil in the hydraulic circuit.
- Mechanism to synchronise the motion of the capstans.
- Device with handle for coupling mechanically the 2 pairs of capstans.
- Two auxiliary hydraulic circuits for controlling 1 or 2 reel-stands.

## OPTIONAL DEVICES

- 005.1 Chassis with 2 dumped axles (tandem), air braking system and lights.
- 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 braking values (4-40 kN), fit to string fiber optics.
- 026 - PVC cloth cover.
- 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 ropes/conductors.
- 045.3 Manual clamp for 2 ropes/conductors.
- 069.2 Two electronic devices with USB port, to save the data of the pull (n.1 each circuit).
- 069.5 Printer for the electronic recorder, with accessories.
- 174.2 Synchroniser device for matching 2 machines to tension more conductors simultaneously, complete with cable-control (20 m) for controlling the 2 machines.

## FEATURES

Capstans	4 x Ø 1700 mm
Capstan grooves	10 + 10
Max conductor diameter	2 x 46 mm

## TENSION PERFORMANCES

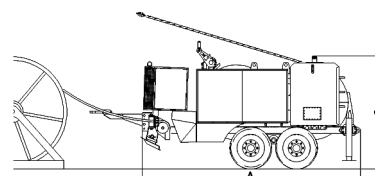
Max tension force	2 x 70 kN
or	1 x 140 kN
Max speed	5 km/h

## ENGINE





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

## PULL-BACK PERFORMANCES

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



with opt.005.1

			
<b>1700</b> mm capstan diameter	<b>2 x 46</b> mm conductor max diam.	<b>64</b> kW engine power	<b>140</b> kN max tension

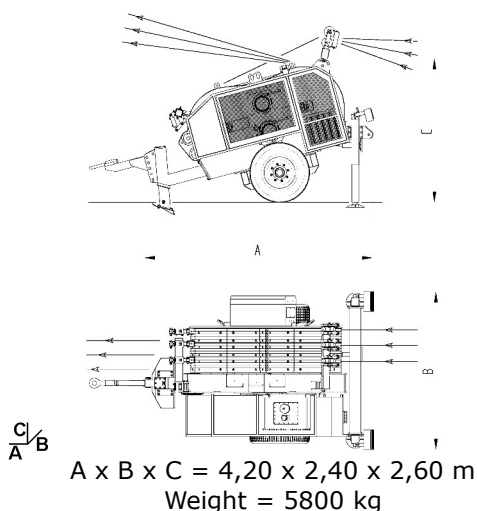
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Performances of the machine without optional devices, at sea level and temperature 20°C. Dimensions and weights are without optional devices. All data may change without notice. Images and drawings are indicative only.

**3340-0**  
rev. 02:12 EN

Mod. **F120.120.3**

Hydraulic tensioner fit to tension 1, 2 or 3 conductors.  
 One hydraulic circuit lets to tension at constant force even varying the speed of stringing.  
 Possibility to use the machine as a puller for recovering conductors.

- One pair of steel capstans lined with multi-grooved nylon sectors.
- Machine control panel equipped with electronic instrument that operates as dynamometer, preselector of max pull force, metercounter and speedometer.
- Safety negative hydraulic brake.
- Three back fix conductor-driver with nylon rollers.
- Chassis with rigid axle, manual brake and detachable drawbar for towing at low speed in workplace.
- Stabilisers, share and attachments for anchoring the machine.
- Heat exchanger to cool the oil in the hydraulic circuit.
- Three auxiliary hydraulic circuits for controlling 1, 2 or 3 reel-stands.

**OPTIONAL DEVICES**

- 005.4 Chassis with 2 rigid axles (tandem).
- 012 - Predisposition of one hydraulic circuit to feed a press for high pressure joints (max. 700 bar).
- 017 - Device to control low-force tensions, specially fit for fibre-optic cables.
- 026 - PVC cloth cover.
- 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 ropes/conductors.
- 045.3 Manual clamp for wire for 3 conductors.
- 069.2 Electronic device with USB port, to save the data of the pull.
- 069.5 Printer for the electronic recorder, with accessories.
- 174.2 Synchroniser device for matching 2 machines to tension more conductors simultaneously, complete with cable-control (20 m) for controlling the 2 machines.

**FEATURES**

Capstans	2 x Ø 1500 mm
Capstan grooves	12 + 12
Max wire diameter	3 x 44 mm

**TENSION PERFORMANCES**

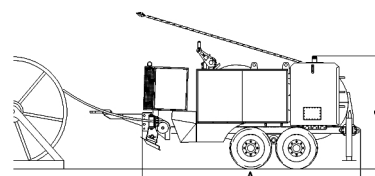
Max tension	120 kN
Max speed	5 km/h

**ENGINE**





Feeding	Diesel
Power	92 hp / 68 kW
Cooling system	water
Electric system	12 V

**PULL-BACK PERFORMANCES**

Max pull	120 kN
Max speed	1 km/h



with opt.005.4

			
<b>1500</b> mm capstan diameter	<b>3 x 44</b> mm conductor max diam.	<b>68</b> kW engine power	<b>120</b> kN max tension

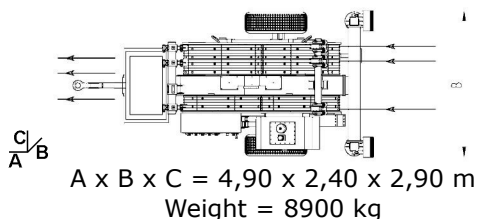
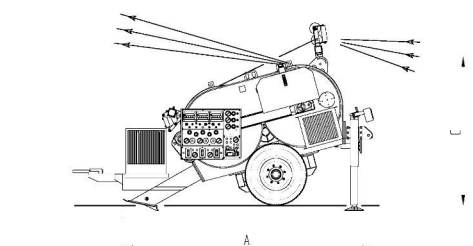
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Performances of the machine without optional devices, at sea level and temperature 20°C. Dimensions and weights are without optional devices. All data may change without notice. Images and drawings are indicative only.

**3250-1**  
 rev. 06/12 EN

Mod. **F120.135.33**

Hydraulic tensioner fit to tension 1, 2 or 3 conductors.

Three hydraulic circuits let to tension at constant force even varying the speed of stringing. The three circuits can be used independently or simultaneously, with automatic partition of the forces.

The machine is equipped with an engine for pull-back operations. In pull-back usage, one hydraulic circuit lets to vary in continuously the speed in both directions, allowing to use one of the hydraulic circuits or all of them.

- Three pairs of steel capstans lined with multi-grooved nylon sectors.
- Machine control panel equipped with 3 electronic instruments that operate as dynamometer, preselector of max pull force, metercounter and speedometer.
- Three safety negative hydraulic brakes.
- Front and back conductor-driver with nylon rollers.
- Chassis with rigid axle, manual brake and detachable drawbar for towing at low speed in workplace.
- Stabilisers, share and attachments for anchoring the machine.
- Heat exchanger to cool the oil in the hydraulic circuit.
- Mechanism to synchronise the motion of the capstans.
- Three auxiliary hydraulic circuits for controlling 1, 2 or 3 reel-stands.

**OPTIONAL DEVICES**

- 005.1 Chassis with 2 dumped axles (tandem), air braking system and lights.
- 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 braking values, fit to string fiber optics.
- 026 - PVC cloth cover.
- 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 ropes/conductors.
- 045.3 Manual clamp for wire for 3 conductors.
- 069.2 Three electronic devices with USB port, to save the data of the pull (n.1 each circuit).
- 069.5 Printer for the electronic recorder, with accessories.

**FEATURES**

Capstans	6 x Ø 1500 mm
Max conductor diameter	3 x 40 mm
Max joint diameter	50 mm

**TENSION PERFORMANCES**

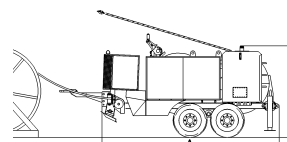
Max tension force	3 x 45 kN
or	1 x 90 + 1 x 45 kN
Max speed	5 km/h

**ENGINE**





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

**PULL-BACK PERFORMANCES**

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



with opt. 005.1

			
<b>1500</b> mm capstan diameter	<b>3 x 40</b> mm conductor max diam.	<b>64</b> kW engine power	<b>135</b> kN max tension

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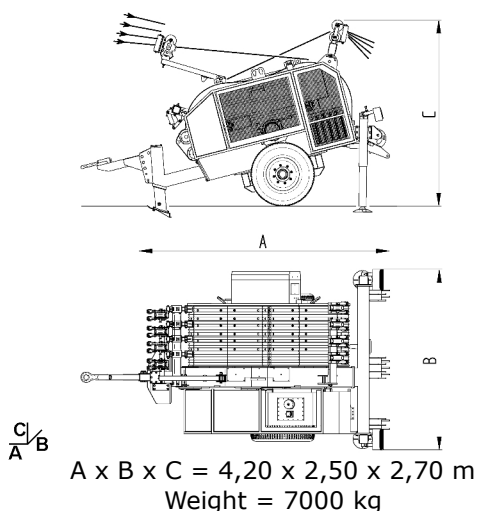
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Performances of the machine without optional devices, at sea level and temperature 20°C. Dimensions and weights are without optional devices. All data may change without notice. Images and drawings are indicative only.

**3562-0**  
rev. 00:12 EN



## Mod. F120.150.4



Hydraulic tensioner fit to tension 1, 2, 3 or 4 (up to 6 on demand) conductors.  
One hydraulic circuit lets to tension at constant force even varying the speed of stringing.  
Possibility to use the machine as a puller for recovering conductors.

- One pair of steel capstans lined with multi-grooved nylon sectors.
- Machine control panel equipped with electronic instrument that operates as dynamometer, preselector of max pull force, metercounter and speedometer.
- Safety negative hydraulic brake.
- Back fix conductor-driver with nylon rollers for 4 cond.
- Chassis with rigid axle, manual brake and detachable drawbar for towing at low speed in workplace.
- Stabilisers, share and attachments for anchoring the machine.
- Heat exchanger to cool the oil in the hydraulic circuit.
- Four auxiliary hydraulic circuits for controlling 1, 2, 3 or 4 reel-stands.

## OPTIONAL DEVICES

- 005.4 Chassis with 2 rigid axles (tandem).
- 012 - Predisposition of one hydraulic circuit to feed a press for high pressure joints (max. 700 bar).
- 017 - Device to control low-force tensions, 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 hydraulic circuits to control 2 additional reel-stands (total 6).
- 026 - PVC cloth cover.
- 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 ropes/conductors.
- 045.3 Manual clamp for locking the conductor (for 3 and 4 conductors).
- 069.2 Electronic device with USB port, to save the data of the pull.
- 069.5 Printer for the electronic recorder, with accessories.
- 174.2 Synchroniser device for matching 2 machines to tension more conductors simultaneously, complete with cable-control (20 m) for controlling the 2 machines.

## FEATURES

Capstans	2 x Ø 1500 mm
Capstan grooves	16 + 16
Max conductor diameter	4 x 45 mm

## TENSION PERFORMANCES

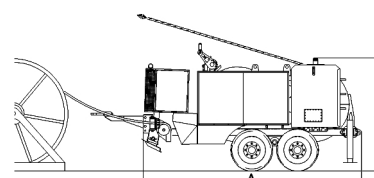
Max tension	150 kN
Max speed	5 km/h

## ENGINE

Feeding	Diesel
Power	92 hp / 68 kW
Cooling system	water
Electric system	24 V

## PULL-BACK PERFORMANCES

Max pull	150 kN
Max speed	0,8 km/h



with opt.005.4

<b>1500</b> mm capstan diameter	<b>4 x 45</b> mm conductor max diam.	<b>68</b> kW engine power	<b>150</b> kN max tension

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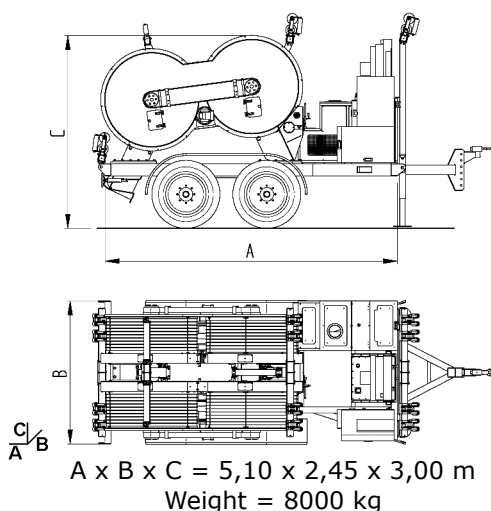
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Performances of the machine without optional devices, at sea level and temperature 20°C. Dimensions and weights are without optional devices. All data may change without notice. Images and drawings are indicative only.

**3265-0**  
rev. 04/13 EN



Mod. **F120.150.42**

Hydraulic tensioner fit to tension 1, 2, 3 or 4 conductors. Two hydraulic circuits let to tension at constant force even varying the speed of stringing. The two circuits can be used independently or simultaneously, with automatic partition of the forces. The machine is equipped with an engine for pull-back operations. In pulling-back usage, one hydraulic circuit lets to vary in continuous 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, fit for 2 conductors totally.
- Machine control panel equipped with 2 electronic instruments that operate as dynamometer, preselector of max pull force, metercounter and speedometer.
- 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 workplace.
- Hydraulic share, hydraulic back stabilisers and eyes for anchoring and for lifting the machine.
- Heat exchanger to cool the oil in the hydraulic circuit.
- Mechanism to synchronise the motion of the capstans.
- Four auxiliary hydraulic circuits for controlling 1, 2, 3 or 4 reel-stands.

**OPTIONAL DEVICES**

- 005.1 Chassis with 2 dumped axles (tandem), air braking system and lights.
- 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 braking values, fit to string fiber optics.
- 020.3 Set of nylon sectors with grooves fit for 6 conductors (3+3).
- 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 ropes/conductors.
- 045.3 Manual clamp for locking the conductor (for 3 and 4 conductors).
- 069.2 Two electronic devices with USB port, to save the data of the pull (n.1 each circuit).
- 069.5 Printer for the electronic recorder, with accessories.

**FEATURES**

Capstans	4 x Ø 1500 mm
Grooves per capstan	10 (tot.40)
Max wire diameter	4 x 40 mm

**TENSION PERFORMANCES**





Max tension	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 system	water
Electric system	12 V

**PULL-BACK PERFORMANCES**

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

			
<b>1500</b> mm capstan diameter	<b>4 x 40</b> mm conductor max diam.	<b>64</b> kW engine power	<b>150</b> kN max tension

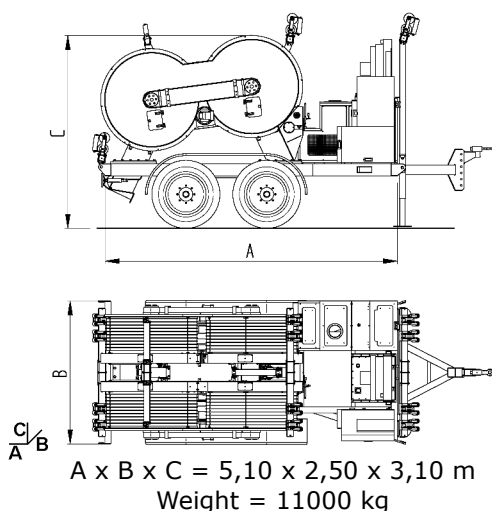
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Performances of the machine without optional devices, at sea level and temperature 20°C. Dimensions and weights are without optional devices. All data may change without notice. Images and drawings are indicative only.

**3512-0**  
rev. 02:13 EN

Mod. **F120.200.44**

Hydraulic tensioner fit to tension 1, 2, 3 or 4 conductors.

Four hydraulic circuits let to tension at constant force even varying the speed of stringing. The 4 circuits can be used independently or simultaneously, with automatic partition of the forces.

The machine is equipped with an engine for pull-back operations. In pull-back usage, one hydraulic circuit lets to vary in continuously the speed in both directions, allowing to use one of the hydraulic circuits per time.

- Four pairs of steel capstans lined with multi-grooved nylon sectors.
- Machine control panel equipped with 4 electronic instruments that operate as dynamometer, preselector of max pull force, metercounter and speedometer.
- 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 workplace.
- Stabilisers, share and attachments for anchoring the machine.
- Heat exchanger to cool the oil in the hydraulic circuit.
- Mechanism to synchronise the motion of the capstans.
- Four auxiliary hydraulic circuits for controlling 1, 2, 3 or 4 reel-stands.

**OPTIONAL DEVICES**

- 005.1 Chassis with 2 dumped axles (tandem), air braking system and lights.
- 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 braking 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 ropes/conductors.
- 045.3 Manual clamp for locking the conductor (for 3 and 4 conductors).
- 069.2 Four electronic devices with USB port, to save the data of the pull (n.1 each circuit).
- 069.5 Printer for the electronic recorder, with accessories.

**FEATURES**

Capstans	8 x Ø 1500 mm
Max conductor diameter	4 x 46 mm

**TENSION PERFORMANCES**

Max tension	2 x 100 kN
or	4 x 50 kN
Max speed	5 km/h

**ENGINE**





Feeding	Diesel
Power	125 hp / 92 kW
Cooling system	water
Electric system	12 V

**PULL-BACK PERFORMANCES**

Max pull	2 x 100 kN
or	4 x 50 kN
Max speed	1 km/h

**also available mod. F120.180.44**

max tension	2 x 90 kN
or	4 x 45 kN

			
<b>1500</b> mm capstan diameter	<b>4 x 46</b> mm conductor max diam.	<b>92</b> kW engine power	<b>200</b> kN max tension

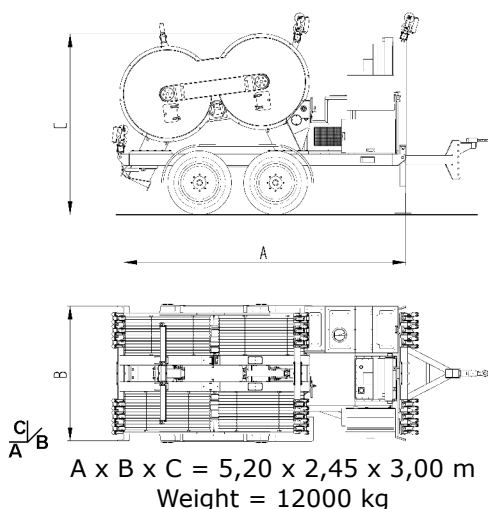
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Performances of the machine without optional devices, at sea level and temperature 20°C. Dimensions and weights are without optional devices. All data may change without notice. Images and drawings are indicative only.

**3630-0**  
rev. 07:13 EN

Mod. **F120.240.62**

Hydraulic tensioner fit to string 1, 2, 3, 4 or 6 conductors.

Two hydraulic circuits let to tension at constant force even varying the speed of stringing. The two circuits can be used independently or simultaneously, with automatic partition of the forces.

The machine is equipped with an engine for doing pull-back operations. In pulling-back usage, one hydraulic circuit lets to vary in continuous the speed in both directions, allowing to use one of the hydraulic circuits or both coupled.

- Two pairs of steel capstans lined with multi-grooved nylon sectors, fit for 2 conductors totally.
- Machine control panel equipped with 2 electronic instruments that operate as dynamometer, preselector of max pull force, metercounter and speedometer.
- Two safety negative hydraulic brakes.
- Front and back conductor-drivers with nylon rollers, for 6 cond.
- Chassis with two rigid axles (tandem), tires and drawbar for towing at low speed in workplace.
- Hydraulic share, hydraulic back stabilisers and eyes for anchoring and for lifting the machine.
- Heat exchanger to cool the oil in the hydraulic circuit.
- Mechanism to synchronise the motion of the capstans.
- Six auxiliary hydraulic circuits for controlling up to 6 reel-stands.

**OPTIONAL DEVICES**

- 005.1 Chassis with 2 dumped axles (tandem), air braking system and lights.
- 012 - Predisposition of one hydraulic circuit to feed a press for high pressure joints (max. 700 bar).
- 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 ropes/conductors.
- 069.2 Two electronic devices with USB port, to save the data of the pull (n.1 each circuit).
- 069.5 Printer for the electronic recorder, with accessories.

**FEATURES**

Capstans	4 x Ø 1500 mm
Grooves per capstan	12 (tot.48)
Max wire diameter	6 x 40 mm 4 x 46 mm

**TENSION PERFORMANCES**

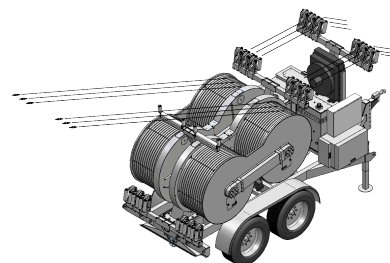
Max tension	240 kN = 2 x 120 kN
Max tension per cond.	6 x 40 kN
Max speed	5 km/h





**ENGINE**

Feeding	Diesel
Power	142 hp / 105 kW
Cooling system	water
Electric system	24 V

**PULL-BACK PERFORMANCES**

Max pull	2 x 120 kN
Max speed	0,8 km/h



			
<b>1500</b> mm capstan diameter	<b>6 x 40</b> mm conductor max diam.	<b>105</b> kW engine power	<b>240</b> kN max tension