

# DROUAIRE

L'EXCELLENCE POUR VOS CâBLES

## BOBICAB 2N



*Made in  
FRANCE*



*Certified  
Compliant*



*MID  
Approval*



**Winding on coils**  
**Winding on reels Ø1400**

**More info**

[www.drouaire.com](http://www.drouaire.com)



*Handling of  
the reels*



*Layering  
unit*



*HMI Programmable  
Counter and Control*

# Winder for cable drums Ø 1400 max. and coils

For the storage of flexible cables Ø 55 mm max  
Quick change for storage on coiling head or cable drums

# BOBICAB 2N

## Presentation

- Wide, compact, mechanically-welded chassis fitted with 4 wheels, including 2 braking pivotal wheels.
- Hydraulic jack for raising and lowering the 2 arms supporting the cable drum or the coiling head. Hydraulic system integrated in the chassis.
- Coiling head with separate motor, no dismantling required for making coils.
- Sliding safety case with a gas cylinder for the protection of third parties.

## Coiling head with separate motor

- Coils on easy-to-use coiling head. Unit positioned on the right arm.
- Internal diameter : 350 mm.
- Outer diameter : 900 mm (flanges).
- Adjustable width from 50 to 250 mm.
- Max. weight : 80 kg.
- Conical inside shaft with cut-out blade for tying.
- Quick cable-blocking mechanism with jam cleat, under a spoke on the coiling head.
- Movable external flange, quick to dismantle.
- Separate 1.1 kW hollow-shaft motor: no pinions or chains.
- Integrated acceleration ramp.

## Cable drum

- Max. outer diameter : 1400 mm.
- Maximum width : 958 mm.
- Maximum weight : 1000 kg.
- Separate hollow-shaft motor: no pinions or chains.
- 2.2 kW motor with electronic frequency variable rotation speed from 0 to 85 rpm.
- Driven by adherence of 8 rubber buffers.
- Integrated acceleration ramp.

## Hydraulic cable-drum positioning and raising system

- Cable drums positioned between pintles with a raising and positioning system using hydraulic jacks, controlled by button pad.
- Anti-return piloted electro-compressor valves for safety in case of hose rupture.

## Layering unit

- The movable trolley allows cable layering with adjustable wire guides on entry and exit.
- High-speed winding then slowing before stopping automatically at the pre-selected length.
- Calibrated measuring wheel : 2 turns = 1 meter.
- Two-direction, hollow-shaft precision encoder for reliable, precise counting. Mounted on the measuring wheel support.
- Cable cutter with double-effect hydraulic shear, 55 mm capacity (85 mm opening).
- New system with spring on the measuring wheel for better precision.

## Electrical equipment

Fully integrated in the chassis – shock-proof. Accessed by dismantling two screws.

- 1 or 2 Schneider variable speed controllers (winding on cable drum or coiling head, optional layering).
- 1 PLC (Programmable Logic Controller) Schneider.
- Wattage : 4 kW.
- Voltage : 230 V mono 50 Hz + earth.
- Quick stop function on winding mechanism, operated by emergency stop button or triggered by a power cut.

- 1 "start" button for safety.
- Color 4.3" HMI (Human Machine Interface) for counter and controls.
- Cut history of the 3 last months.
- Cut counter integrated in HMI.
- 1 emergency stop button.
- 2 buttons for controlling the hydraulic cutting, so that both hands are occupied at the same time.

## Accessories

- Round mirror to allow users to see the cable properly during winding on the right arm.
- Hold-all tray.
- String dispenser with integrated cutter.
- Electrical insulating stick.

## Paint

- RAL Blue 5010 and Orange 2008.

## Option : Electronic layering

- Allows the cable to be stored on the drum or coiling head by setting the speed of the trolley in relation to the external diameter of the cable.
- Proportional to winding.
- Inversion parameters can be set on the HMI, with self-learning.
- Can be released for manual use.
- Motor driven by speed controller.

## Option : Return pulley

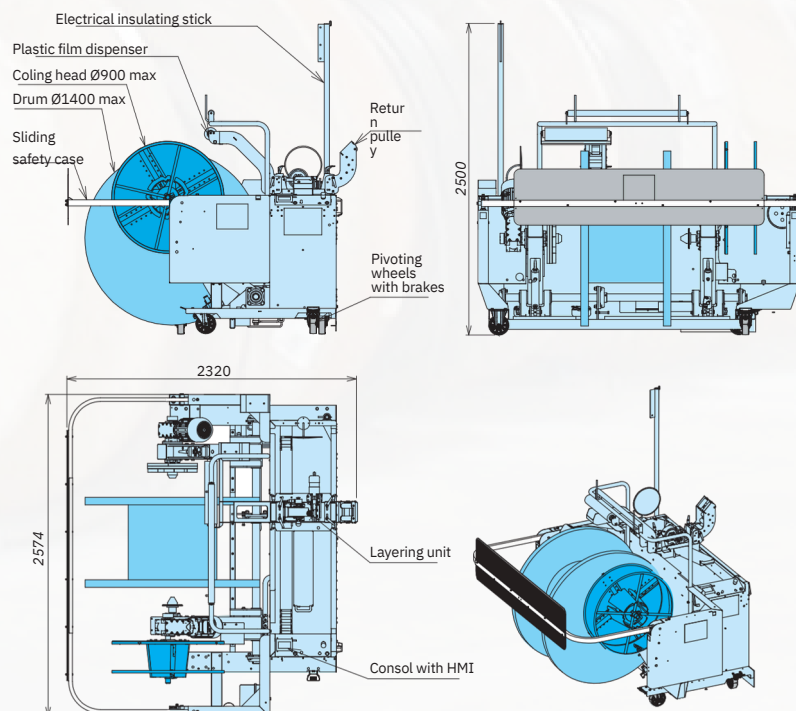
- Allows unwinding of cable drums situated on either side of the BOBICAB 2, thus preventing the operator from turning the machine 180° (see principle in Racks manual).
- Transmission system fixed on the layering trolley.
- Improved curvature radius in order to pass larger cables.

## Option: Expandable coiling head

- For winding coils with varying internal diameters.
- Quick and easy adjustment of the 4 sections of the coiling head simultaneously.
- Adjustable internal diameter from 300 to 800 mm.
- Max. external diameter : 900 mm.
- Adjustable width from 50 to 250 mm.

## Option: Moving motorized assistant

- Motorized wheel to move the BOBICAB 2 N without effort.
- Easy use thanks to his ergonomic handles.



• Weight : 600 kg.

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