

# RAILWAY CATENARY INSTALLATION

MACHINES AND EQUIPMENT



# **MACHINES AND EQUIPMENT RAILWAY LINES STRINGING**

**CATALOGUE F14.1  
=ENGLISH=**



SYSTEMS FOR RAILWAY CATENARY INSTALLATIONS 1

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# 1

## SYSTEMS FOR RAILWAY CATENARY INSTALLATIONS



Mod. **RU20.20.1**

## RECOVERY/STRINGING GROUP FOR WIRES/CABLES

### CHARACTERISTICS

Max reel diameter	2250 mm
Max reel width	1100 mm
Max weight of reel with cable	5000 kg
Max quantity of cable that can be wound up on the reel:	variable

### ENGINE

Feeding	Diesel
Power	46 kW / 62 HP
Cooling	Water

### PULL/RECOVERY PERFORMANCES (1)

Max pull/recovery force	20 kN
Speed at max pull	1,5 km/h
Continuous pull	15 kN @ 2,5 km/h
Continuous pull	0,8 kN @ 5 km/h
(1)referred to layer diam.	1500 mm

### TENSION PERFORMANCES

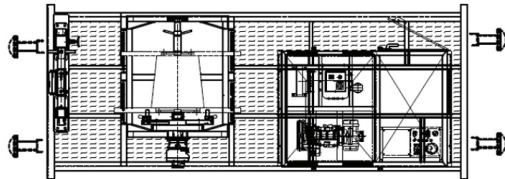
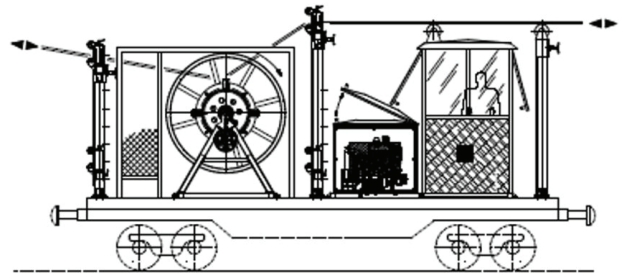
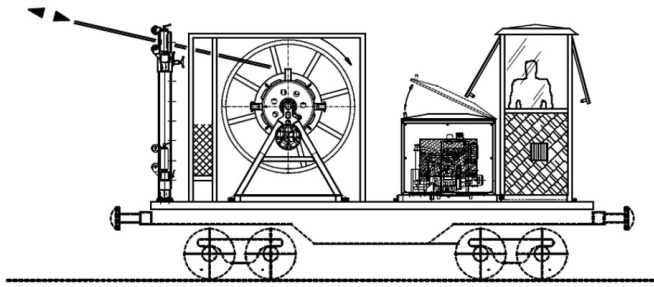
Max tension force	20 kN
Max speed	5 km/h

### ALSO AVAILABLE mod.RU20.40.2

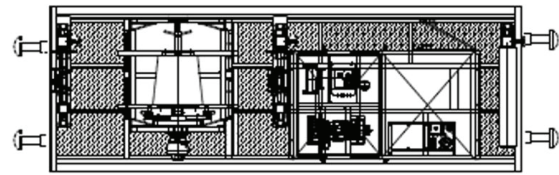
Max pull/recovery	40 kN (2x20 kN)
Speed at max pull	1,5 km/h
Max speed	5 km/h



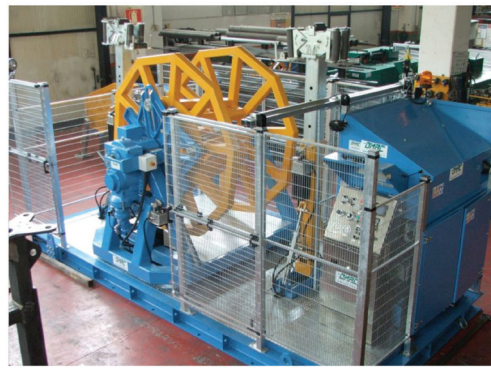
Mod. **RU20.20.1**



**1 DIRECTION (STANDARD)**



**2 DIRECTIONS (OPTIONAL)**



Mod. **RW30.60.2****2 WIRES/CABLES, 2 REEL-STANDS (ELECTRONIC SYSTEM)****CHARACTERISTICS**

Capstan diameter	1500 mm
Grooves material	Nylon
Wires/Cables max diameter	25 mm
Hydraulic circuits	2
Wires/Cables	2
Reel-Stands	2 (max reel weight 4000 kg - max Ø2000 mm)
Mass (wagon excluded)	14000 kg
Dimensions	9,00 x 2,48 x 2,9 m

**ENGINE**

Feeding	Diesel
Power	62 kW, 84 HP, 2200 rpm
Cooling	Water

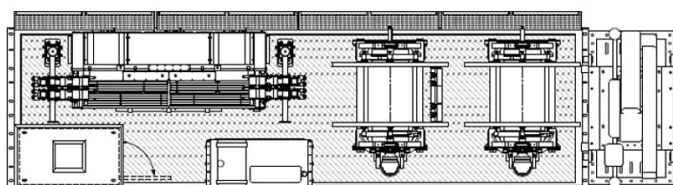
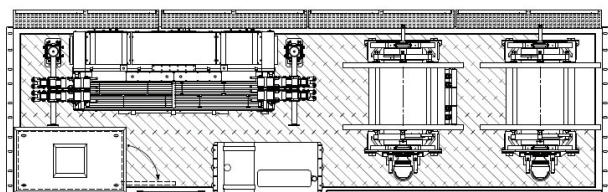
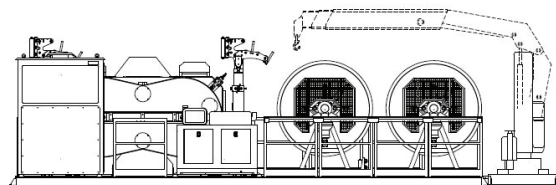
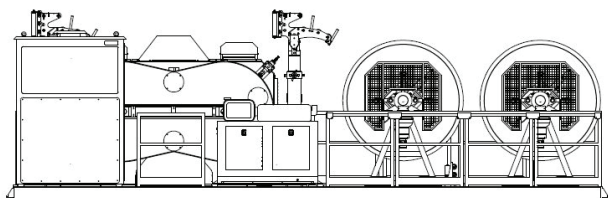
**PULL/TENSION PERFORMANCES**

Max pull/tension	60 kN (2x30 kN)
Continuous speed	5 km/h
Max speed	6 km/h

**ALSO AVAILABLE mod.RW30.40.2**

Max pull/tension	40 kN (2x20 kN)
Continuous speed	5 km/h
Max speed	6 km/h

Mod. **RW30.60.2**



WITH HYDRAULIC CRANE (OPT.106)



Mod. **RW30.60.4****2 WIRES/CABLES, 4 REEL-STANDS (ELECTRONIC SYSTEM)****CHARACTERISTICS**

Capstan diameter	1500 mm
Grooves material	Nylon
Wires/Cables max diameter	25 mm
Hydraulic circuits	2
Wires/Cables	2
Reel-Stands	4 (max reel weight 4000 kg - max Ø2000)
Mass (Puller-Tensioner module)	14400 kg
Mass (Reel-Stands module)	11000 kg
Dimensions (Puller-Tensioner module)	9,00 x 2,50 x 2,90 m
Dimensions (Reel-Stands module)	10,00 x 2,50 x 2,90 m

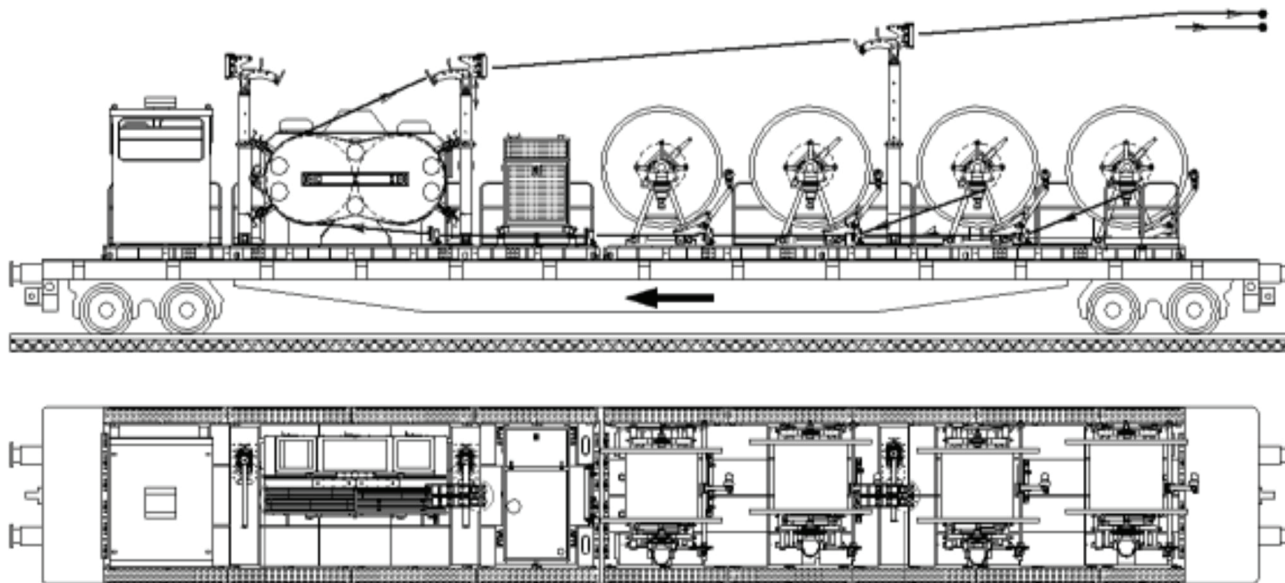
**ENGINE**

Feeding	Diesel
Power	82 kW, 110 HP, 2200 rpm
Cooling	Water

**PULL/TENSION PERFORMANCES**

Max pull/tension	60 kN (2x30 kN)
Continuous speed	5 km/h
Max speed	6 km/h

Mod. **RW30.60.4**



Mod. **RW30.120.4**
**2+2 WIRES/CABLES, 2+2 REEL-STANDS (ELECTRONIC SYSTEM)  
(COMPOSED BY 2 UNITS)**
**CHARACTERISTICS (for each unit)**

Capstan diameter	1500 mm
Grooves material	Nylon
Wires/Cables max diameter	25 mm
Hydraulic circuits	2
Wires/Cables	2
Reel-Stands	2 (max reel weight 4000 kg - max Ø2000 mm)
Mass	14400 kg
Dimensions	9,00 x 2,48 x 2,90 m

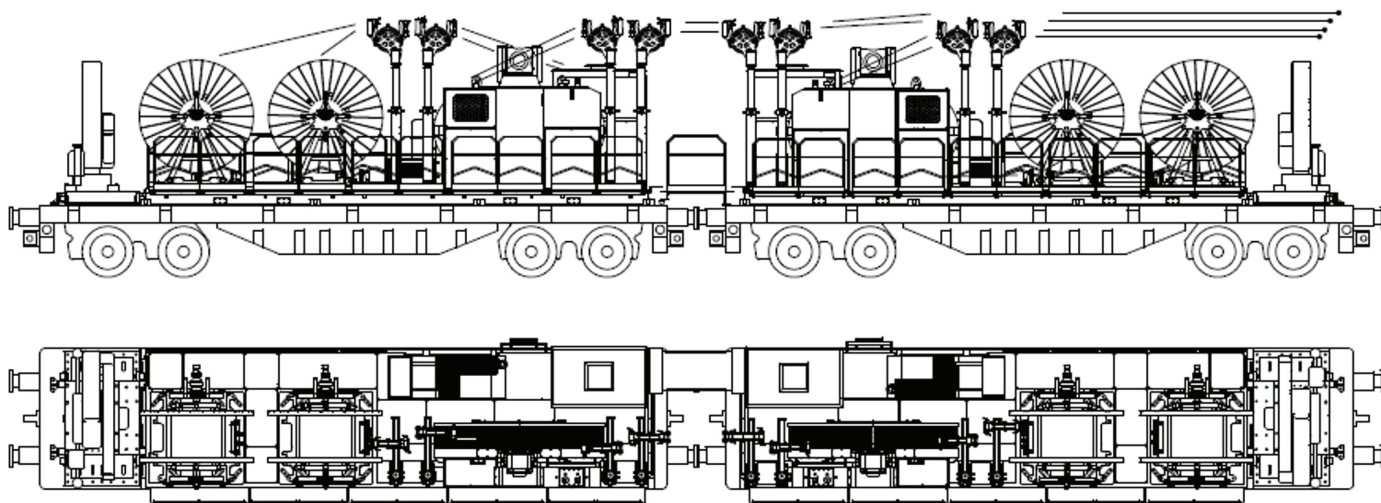
**ENGINE (for each unit)**

Feeding	Diesel
Power	62 kW, 84 HP, 2200 rpm
Cooling	Water

**PULL/TENSION PERFORMANCES  
(for each unit)**

Max pull/tension	60 kN (2x30 kN)
Continuous speed	5 km/h
Max speed	6 km/h

Mod. **RW30.120.4**



Mod. **RW40.80.4****4 WIRES/CABLES, 4 REEL-STANDS (ELECTRONIC SYSTEM)****CHARACTERISTICS**

Capstan diameter	1500 mm
Grooves material	Nylon
Wires/Cables max diameter	25 mm
Hydraulic circuits	4
Wires/Cables	4
Reel-Stands	4 (max reel weight 4000 kg - max Ø2000 mm)
Mass (Puller-Tensioner module)	13000 kg
Mass (Reel-Stands module)	11000 kg
Dimensions (Puller-Tensioner module)	9,00 x 2,50 x 2,90 m
Dimensions (Reel-Stands Module)	10,00 x 2,50 x 2,90 m

**ENGINE**

Feeding	Diesel
Power	84 kW, 110 HP, 2200 rpm
Cooling	Water

**PULL/TENSION PERFORMANCES**

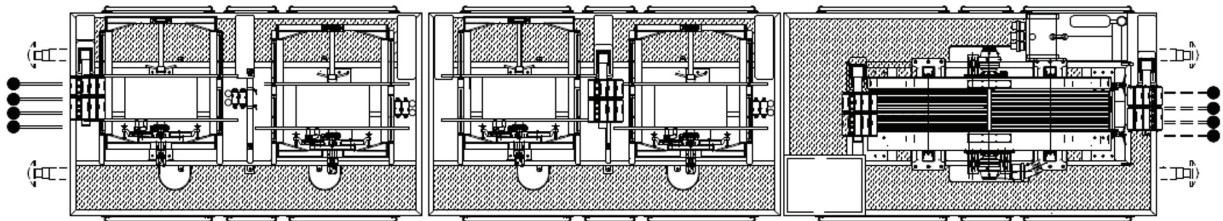
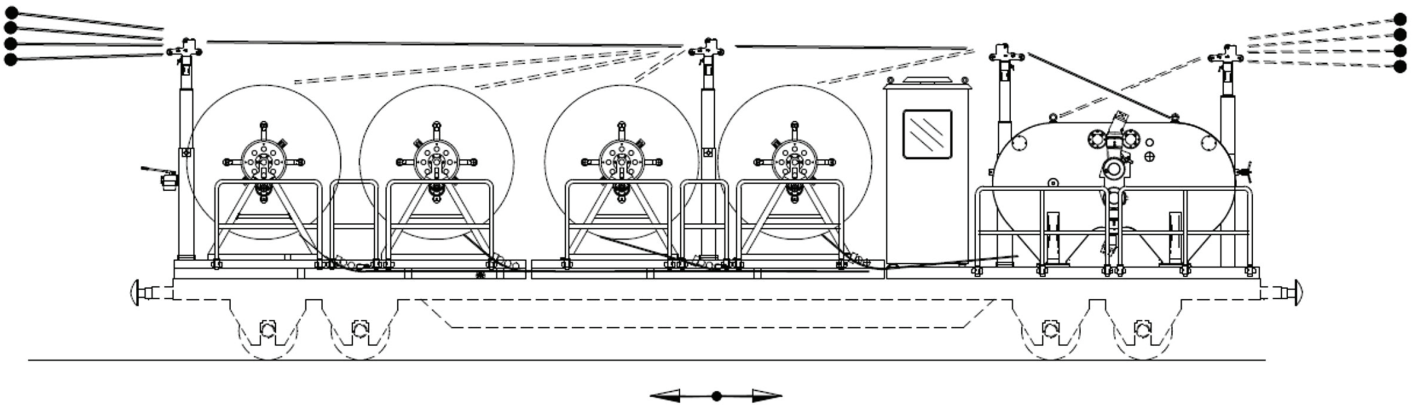
Max pull/tension	80 kN (4 X 20 kN)
Continuous Speed	5 km/h
Max Speed	6 km/h

**ALSO AVAILABLE mod.RW40.120.4**

Max pull/tension	120 kN (4x30 kN)
Continuous speed	5 km/h
Max speed	6 km/h



Mod. **RW40.80.4**



# 2

MAIN UNITS



## Operator Cabin



## Capstan Assembly

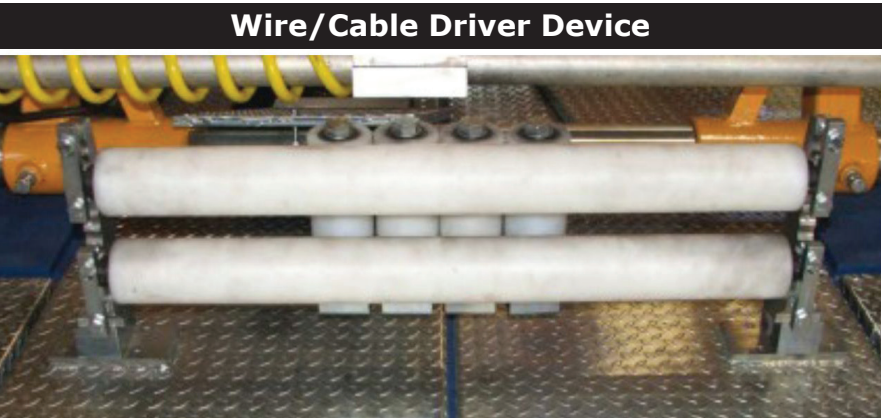
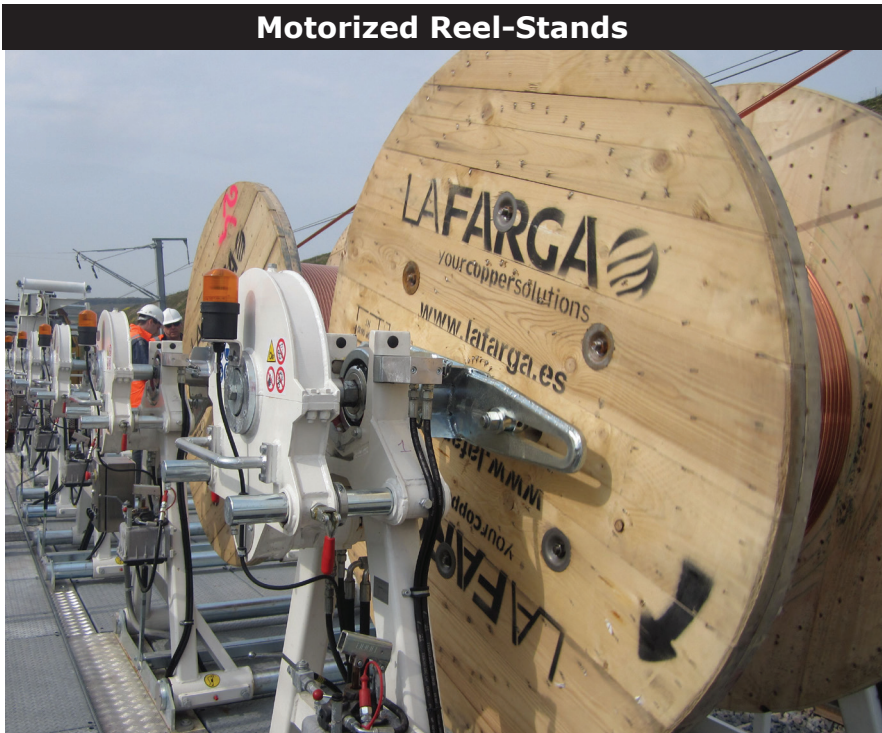


Control Panel



Coverage of the Hydraulic Circuit







# 3

OPTIONS

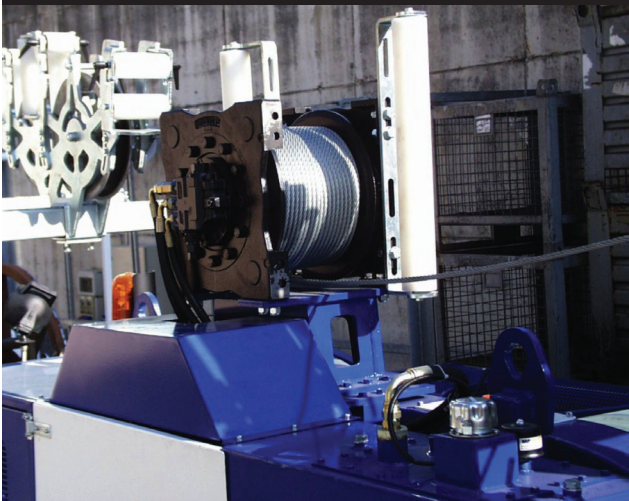




**Hydraulic Crane (opt. 106)**



**Service Winch (opt. 136)**



**Compensator Devices (opt. 160)**



**Translating and Swinging Telescopic Mast for final positioning (opt. 131.1)**



**Automatic Wire/Cable Winder on the Last Reel-Stand (opt. 439)**



**Device to rotate the Reel-Stand by  $\pm 90^\circ$  (opt. 419.2)**



**Automatic Wire/Cable Winders, Mounted on the Mast (opt. 445.2)**



Automatic Swinging Wire/Cable Winder (opt. 445.1)



**Translating Telescopic Fingers**  
(opt. 131.3) (Radio Control available)



**Lifting Beams with Accessories** (opt. 018.8)

