CABLE REELS AND HOSE REELS

N° 223-AE

Manage your energy orderly
Packaging contains, depending on the articles, one or more of the following materials; they must be recycled in accordance with current regulations in the country of use. 

- cardboard
- polyethylene sack
- polystyrene paper
- wood
- nails
- plastic strap
- cellophane
- clips
- gummed paper

HELP THE NATURE

RAASM contributes with an eco-contribution at the recycling and the disposal of the electrical and electronic equipments at the end of life. Producer’s registry AEE N° IT1412000008678
DESIGN IS AN Art
founded in 1975

the human side

of Quality
the human side of Quality
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<td></td>
</tr>
</tbody>
</table>
All RAASM cable reels rewind automatically and are equipped with a spring tested for tens of thousands of cycles which ensure a constant force. They are sturdy, compact, easy to position and removable. They allow managing with extreme ease and safety electrical cables of various sizes and cross sections ensuring a tidy and safe work environment.

All models are equipped with:
- rewinding spring;
- cable stop rack work;
- protective shell in shockproof material;
- cable guide with rollers;
- fixing bracket;
- system for the manual reset of electrical power (to prevent damage from eventual overloads) with rewinded cable;
- inlet cable for connection to the mains.

ACCESSORIES

Each model of RAASM cable reels is customizable with the following accessories:
- fixing bracket
  with “bayonet” coupler;
- protection cap;
- rewinding clutch.

advantages

- Electric collector designed for better performances also with high currents.
- Thermal protector against overheating of the rewinded cable mounted in all the models.
- IP44 protection degree provided for all the electrical parts.
- Spring tested for more than 10 working years with the possibility to easily adjust the rewinding force.
- Cable guide with rollers equipped with 4 rollers in each model designed to save the work life of the cable.
- Different options for different needs: rewinding clutch, bayonet bracket and protection cap.
CABLE REEL
1 SPRING
Rewinding spring totally protected from the external environment. The spring is subjected to a durability test of 20000 cycles (each cycle corresponds to the complete unwinding and rewinding of the cable) thus simulating an average life of over 10 years. Possibility to intervene to adjust the spring force increasing or decreasing the preload.

2 REWINDING CLUTCH
Optional, devoid of complex and potentially wearing kinematic motions, allows the rewinding of the drum at a safe speed.

3 STOPPING RACK
It has an increased width and reinforcement ribs ensuring greater durability and sturdiness. It offers the possibility to block the cable every 0.5 m allowing the unwinding of the desired length.

4 PAWL
Easy to remove, of increased thickness with reinforcing ribs ensuring high stress resistance and durability.

5 STRUCTURE
Strong and compact made in shockproof material of high mechanical resistance designed to withstand over time.

6 CABLE GUIDE WITH ROLLERS
Sturdy and resistant with reinforced steel interior. Wide width which allows guiding the cable properly for correct rewind. Equipped with 4 rollers, 2 arranged horizontally (above and below) and 2 arranged vertically (left and right) that reduce cable wear.

7 ELECTRIC COLLECTOR
Replaceable in one single piece, it has sliding contacts each provided with 3 sliding lines to reduce the electrical resistance and the heating during operation. Equipped with double earth contact.

8 THERMAL PROTECTOR
Safety system against overheating of the rewinded cable.

9 SIDE CLUTCH
The bracket is equipped with a special clutch which controls the rotation speed on the right and on the left of the cable reels.

10 ADJUSTABLE BRACKET
Adjustable up to 90° per side, constructed with sturdy structure, with fixing slotted holes that facilitate wall mounting.

11 BAYONET BRACKET
A bracket with bayonet type quick coupling is available as optional it allows an easier movement of the cable reels in the various workstations.

12 PROTECTION CAP
Optional, in NBR synthetic rubber, it protects the cable reels from accidental entrance of foreign bodies through the cable guide.
The adjustable bracket of the cable reels may assume various positions:
The **position 1** is particularly suitable for “single” installation on the wall or ceiling. This position allows the rotation of the cable reels around the central axis supported by the bracket, allowing maximum flexibility to the operator in the use of the cable in all directions.

The **position 2** is suitable for installation of the cable reels “in series” (ceiling/wall/floor or bench) because the rotation is blocked by the bracket that creates an interlocking with the guards of the cable reels.

The **position 3** is suitable for specific installation schemes, that is when the pulling and exit direction of the cable is parallel to the wall where the cable reels is installed.

In order to pass from an installation position to another it is necessary to remove the bracket.
ACCESSORIES

REWINDING CLUTCH

Cable reels series 280 and series 290 can be equipped with a brake acting while rewinding the cable. This accessory limits the maximum rotation speed making secure even accidental and uncontrolled rewinding. The version with the clutch, is distinguished from the “SPEED CONTROL” plate.

PROTECTION CAP

P/N 728115
The protection cap of the cable guide, made of flexible black rubber, prevents accidental entry of foreign bodies and ensures to the cable reels the IP45 protection degree. On request it can be mounted on the cable reels you want to purchase using the appropriate customized code, see the following pages.

△ For a correct use during the rewinding phase, is important to align the cable with the protection cap’s axis.

BAYONET BRACKET

P/N 89003
A bracket with bayonet type quick coupling is available on request: (provided with wall bracket P/N 89001), it allows an easier movement of the cable reels in the various workstations.

P/N 89001
Wall bracket, to be bought separately in case you want to create multiple points for fitting the cable reels provided with bayonet bracket.
The denomination “electrical cable” indicates a conductor uniformly insulated or a set of insulated conductors, each from the others and towards the outside, combined into a single complex complete with protection covering.

**THE CABLE IS MADE OF SEVERAL PARTS:**

- **the metallic part** for conducting the current consists of a single wire or several stranded wires and their conductor;
- a layer of **insulating material** surrounds the conductor;
- the set of the conductor and its isolation constitutes the **cable core**; each cable may have more cores;
- **the sheath** has a protective function of the cable cores. The sheath in general is always in insulating material.

### TECHNICAL TABLE READING GUIDE

<table>
<thead>
<tr>
<th>NUMBER OF CONDUCTORS</th>
<th>Number of conductors uniformly insulated that make up the cross section of the electrical cable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONDUCTOR’S CROSS SECTION</td>
<td>Area (in mm²) of the cross section of each conductor.</td>
</tr>
<tr>
<td>TYPE OF INSULATING MATERIAL</td>
<td>The type of material (e.g. PVC, natural rubber) acts as a protective covering to the conductor with mechanical or chemical protection function.</td>
</tr>
</tbody>
</table>

### EXAMPLE OF POWER CABLE DESIGNATION

<table>
<thead>
<tr>
<th>Number of conductors and conductor cross section (in mm²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 x 1</td>
</tr>
<tr>
<td>3G x 1</td>
</tr>
<tr>
<td>4G x 1</td>
</tr>
<tr>
<td>5G x 1</td>
</tr>
</tbody>
</table>

**Reference Standards**

- **H** Cable conforming to Harmonized standards CENELEC (HD 22.4 S2)
- **A** Cable of national type approved and listed in the supplements to the Harmonized standards CENELEC
- **xx - N** Other type of national cable

**Voltage rating**

- **03** Rated insulation voltage U0/U = 300/300V
- **05** Rated insulation voltage U0/U = 300/500V
- **07** Rated insulation voltage U0/U = 450/750V
- **1** Rated insulation voltage U0/U = 0.6/1kV

**Insulation material**

- **B** Ethylene propylene rubber
- **B3** Butyl rubber
- **J** Braided fiberglass
- **M** Mineral
- **N** Polychloroprene (or equivalent material)
- **R** Natural rubber or styrene-butadiene rubber
- **S** Silicone rubber
- **V** Polyvinyl chloride (PVC) commonly used
- **X** Cross-linked polyethylene

**Non-metallic sheath**

- **B** Ethylene propylene rubber
- **B3** Butyl rubber
- **J** Braided fiberglass
- **M** Mineral
- **N** Polychloroprene (or equivalent material)
- **R** Natural rubber or styrene-butadiene rubber
- **S** Silicone rubber
- **V** Polyvinyl chloride (PVC) commonly used
- **X** Cross-linked polyethylene

**Conductor form**

- **F** Flexible conductor of a flexible cable for mobile service
- **H** Highly flexible conductor of a flexible cable for mobile service
- **K** Flexible conductor of a cable for fixed installation
- **R** Rigid conductor, round, stringed
- **S** Rigid conductor, sectorial, stringed
- **U** Rigid conductor, round, single-wire
RAASM has produced a wide range of industrial cable reels that can meet the most complex and demanding requests for use fields such as industry, agriculture, petrochemical, mining, aeronautics, shipbuilding, fire departments, automotive, construction, etc.
**Cable reels series 280**  
**230 V SINGLE PHASE**

**without socket**

<table>
<thead>
<tr>
<th>Colour:</th>
<th>STANDARD</th>
<th>RAL 1004</th>
</tr>
</thead>
</table>

**Overall dimensions STANDARD (mm)**

<table>
<thead>
<tr>
<th>Weight (Kg)</th>
<th>No. packages per pallet</th>
<th>Packaging (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6,8 ÷ 7,4</td>
<td>40</td>
<td>440 x 195 x 485</td>
</tr>
</tbody>
</table>

**Overall dimensions WITH BRACKET (mm)**

<table>
<thead>
<tr>
<th>Weight (Kg)</th>
<th>No. packages per pallet</th>
<th>Packaging (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7,0 ÷ 8,8</td>
<td>40</td>
<td>440 x 195 x 485</td>
</tr>
</tbody>
</table>

**Other Specifications**

- **Number of Conductors:** 2 or 3
- **EN 61242**
- 2014/35/EU, 2014/30/EU, 2011/65/EU
- **Cable reels series 280**
- **STANDARD**
- **without socket**
- **Colour:** STANDARD, RAL 1004
- **With bracket**
- **Dimensions:**
  - **Overall dimensions**
  - **Packaging:** 440 x 195 x 485 mm
- **Weight:**
  - **Standard without socket:** 6.8 ÷ 7.4 kg
  - **With bracket:** 7.0 ÷ 8.8 kg
- **No. packages per pallet:** 40
**Usage environment temperature:** -5 °C to +40 °C

**Fixing bracket:** Fixed-Adjustable

**Cable inlet:** 1.2 m

**Protection degree of electrical parts**

Attention: The system is downgraded depending on the IP valve of the connected components.

**STANDARD ARTICLES**

<table>
<thead>
<tr>
<th>P/N standard</th>
<th>Number of conductors</th>
<th>Cable type</th>
<th>Cable length (m)</th>
<th>Max. power use (20 °C) Wound (kW)</th>
<th>Unwound (kW)</th>
<th>Thermal protector</th>
</tr>
</thead>
<tbody>
<tr>
<td>2210</td>
<td>2</td>
<td>2 x 1 - H05 VV-F</td>
<td>17 + 1 m</td>
<td>0.9 kW</td>
<td>1.4 kW</td>
<td>YES</td>
</tr>
<tr>
<td>3210</td>
<td>2</td>
<td>2 x 1 - H07 RN-F</td>
<td>12 + 1 m</td>
<td>0.9 kW</td>
<td>1.4 kW</td>
<td>YES</td>
</tr>
<tr>
<td>2215</td>
<td>2</td>
<td>2 x 1.5 - H05 VV-F</td>
<td>15 + 1 m</td>
<td>1.1 kW</td>
<td>2.3 kW</td>
<td>YES</td>
</tr>
<tr>
<td>2225</td>
<td>2</td>
<td>2 x 2.5 - H05 VV-F</td>
<td>10 + 1 m</td>
<td>1.9 kW</td>
<td>3.5 kW</td>
<td>YES</td>
</tr>
<tr>
<td>2310</td>
<td>3</td>
<td>3G x 1 - H05 VV-F</td>
<td>14 + 1 m</td>
<td>0.9 kW</td>
<td>1.4 kW</td>
<td>YES</td>
</tr>
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<td>3310</td>
<td>3</td>
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<tr>
<td>2315</td>
<td>3</td>
<td>3G x 1.5 - H05 VV-F</td>
<td>14 + 1 m</td>
<td>1.2 kW</td>
<td>2.3 kW</td>
<td>YES</td>
</tr>
<tr>
<td>3315</td>
<td>3</td>
<td>3G x 1.5 - H07 RN-F</td>
<td>9 + 1 m</td>
<td>1.2 kW</td>
<td>2.3 kW</td>
<td>YES</td>
</tr>
<tr>
<td>2325</td>
<td>3</td>
<td>3G x 2.5 - H05 VV-F</td>
<td>9 + 1 m</td>
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<td>YES</td>
</tr>
<tr>
<td>3325</td>
<td>3</td>
<td>3G x 2.5 - H07 RN-F</td>
<td>7 + 1 m</td>
<td>1.9 kW</td>
<td>3.5 kW</td>
<td>YES</td>
</tr>
</tbody>
</table>

**ARTICLES WITH SPEED CONTROL**

<table>
<thead>
<tr>
<th>P/N with speed control</th>
<th>Number of conductors</th>
<th>Cable type</th>
<th>Cable length (m)</th>
<th>Max. power use (20 °C) Wound (kW)</th>
<th>Unwound (kW)</th>
<th>Thermal protector</th>
</tr>
</thead>
<tbody>
<tr>
<td>2210F</td>
<td>2</td>
<td>2 x 1 - H05 VV-F</td>
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<td>3G x 2.5 - H07 RN-F</td>
<td>7 + 1 m</td>
<td>1.9 kW</td>
<td>3.5 kW</td>
<td>YES</td>
</tr>
</tbody>
</table>

⚠️ The following codes are considered devoid of accessories: protection cap - bayonet bracket.

★ The values are intended with cable completely unwound.

**ACCESSORIES**

**SPEED CONTROL**

The version equipped with a clutch that allows a cable rewinding at a controlled rate, is characterized by the plate.

**P/N 728115**

Protection cap, made of oil resistant rubber is useful against the accidental entry of water or foreign objects inside the cable reels.

**P/N 89003**

Bayonet bracket, it allows an easier movement of the cable reels in the various workstations. For the use of the adjustable bracket see page 10.
Cable reels series 280
400 V THREE PHASE

without socket

Overall dimensions STANDARD (mm)

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<thead>
<tr>
<th>Weight (Kg)</th>
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Overall dimensions WITH BRACKET (mm)

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### STANDARD ARTICLES

<table>
<thead>
<tr>
<th>P/N standard</th>
<th>Number of conductors</th>
<th>Cable type</th>
<th>Cable length (m)</th>
<th>Max. power use (20 °C)</th>
<th>Thermal protector</th>
</tr>
</thead>
<tbody>
<tr>
<td>4410</td>
<td>4</td>
<td>4G x 1 - H05 VV-F</td>
<td>11 + 1 m</td>
<td>1,1 kW</td>
<td>YES</td>
</tr>
<tr>
<td>4415</td>
<td>4</td>
<td>4G x 1,5 - H05 VV-F</td>
<td>10 + 1 m</td>
<td>1,4 kW</td>
<td>YES</td>
</tr>
<tr>
<td>5415</td>
<td>4</td>
<td>4G x 1,5 - H07 RN-F</td>
<td>8 + 1 m</td>
<td>1,4 kW</td>
<td>YES</td>
</tr>
<tr>
<td>4425</td>
<td>4</td>
<td>4G x 2,5 - H05 VV-F</td>
<td>8 + 1 m</td>
<td>2 kW</td>
<td>YES</td>
</tr>
<tr>
<td>5425</td>
<td>4</td>
<td>4G x 2,5 - H07 RN-F</td>
<td>5 + 1 m</td>
<td>2 kW</td>
<td>YES</td>
</tr>
<tr>
<td>4510</td>
<td>5</td>
<td>5G x 1 - H05 VV-F</td>
<td>11 + 1 m</td>
<td>1 kW</td>
<td>YES</td>
</tr>
<tr>
<td>4517</td>
<td>5</td>
<td>5G x 1,5 - H05 VV-F</td>
<td>8 + 1 m</td>
<td>1,4 kW</td>
<td>YES</td>
</tr>
<tr>
<td>5515</td>
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<td>5G x 1,5 - H07 RN-F</td>
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</table>

### ARTICLES WITH SPEED CONTROL

<table>
<thead>
<tr>
<th>P/N with speed control</th>
<th>Number of conductors</th>
<th>Cable type</th>
<th>Cable length (m)</th>
<th>Max. power use (20 °C)</th>
<th>Thermal protector</th>
</tr>
</thead>
<tbody>
<tr>
<td>4410F</td>
<td>4</td>
<td>4G x 1 - H05 VV-F</td>
<td>11 + 1 m</td>
<td>1,1 kW</td>
<td>YES</td>
</tr>
<tr>
<td>4415F</td>
<td>4</td>
<td>4G x 1,5 - H05 VV-F</td>
<td>10 + 1 m</td>
<td>1,4 kW</td>
<td>YES</td>
</tr>
<tr>
<td>5415F</td>
<td>4</td>
<td>4G x 1,5 - H07 RN-F</td>
<td>8 + 1 m</td>
<td>1,4 kW</td>
<td>YES</td>
</tr>
<tr>
<td>4425F</td>
<td>4</td>
<td>4G x 2,5 - H05 VV-F</td>
<td>8 + 1 m</td>
<td>2 kW</td>
<td>YES</td>
</tr>
<tr>
<td>5425F</td>
<td>4</td>
<td>4G x 2,5 - H07 RN-F</td>
<td>5 + 1 m</td>
<td>2 kW</td>
<td>YES</td>
</tr>
<tr>
<td>4510F</td>
<td>5</td>
<td>5G x 1 - H05 VV-F</td>
<td>11 + 1 m</td>
<td>1 kW</td>
<td>YES</td>
</tr>
<tr>
<td>4517F</td>
<td>5</td>
<td>5G x 1,5 - H05 VV-F</td>
<td>8 + 1 m</td>
<td>1,4 kW</td>
<td>YES</td>
</tr>
<tr>
<td>5515F</td>
<td>5</td>
<td>5G x 1,5 - H07 RN-F</td>
<td>7 + 1 m</td>
<td>1,4 kW</td>
<td>YES</td>
</tr>
</tbody>
</table>

⚠️ The following codes are considered devoid of accessories: protection cap - bayonet bracket.
★ The values are intended with cable completely unwound.

---

**Usage environment temperature:** -5 °C to +40 °C

**Fixing bracket:** Fixed-Adjustable

**Cable inlet:** 1.2 m

**Protection degree of electrical parts**

- IP44 without protection cap
- IP45 with protection cap

Attention: The system is downgraded depending on the IP valve of the connected components.

---

**ACCESSORIES**

**SPEED CONTROL**

The version equipped with a clutch that allows a cable rewinding at a controlled rate, is characterized by the plate.

**P/N 728115**

Protection cap, made of oil resistant rubber is useful against the accidental entry of water or foreign objects inside the cable reels.

**P/N 89003**

Bayonet bracket, it allows an easier movement of the cable reels in the various workstations.

For the use of the adjustable bracket see page 10.
Cable reels series 280
230 V SINGLE PHASE

with one socket and Schuko plug IP44

Colour:
☐ STANDARD ☐ RAL 1004

Overall dimensions STANDARD (mm)

<table>
<thead>
<tr>
<th>Weight (Kg)</th>
<th>No. packages per pallet</th>
<th>Packaging (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6,9</td>
<td>40</td>
<td>440 x 195 x 485</td>
</tr>
</tbody>
</table>

Overall dimensions WITH BRACKET (mm)

<table>
<thead>
<tr>
<th>Weight (Kg)</th>
<th>No. packages per pallet</th>
<th>Packaging (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8,2</td>
<td>40</td>
<td>440 x 195 x 485</td>
</tr>
</tbody>
</table>
Usage environment temperature: -5 °C ÷ +40 °C

Fixing bracket: Fixed-Adjustable

Cable inlet: 1,2 m

Protection degree of electrical parts

Attention: The system is downgraded depending on the IP valve of the connected components.

STANDARD ARTICLES

<table>
<thead>
<tr>
<th>P/N standard</th>
<th>Number of conductors</th>
<th>Cable type</th>
<th>Cable length (m)</th>
<th>Max. power use (20 °C)</th>
<th>Thermal protector</th>
</tr>
</thead>
<tbody>
<tr>
<td>2315S</td>
<td>3</td>
<td>3G x 1,5 - H05 VV-F</td>
<td>14 + 1 m</td>
<td>1,2 kW</td>
<td>2,3 kW</td>
</tr>
</tbody>
</table>

ARTICLES WITH SPEED CONTROL

<table>
<thead>
<tr>
<th>P/N with speed control</th>
<th>Number of conductors</th>
<th>Cable type</th>
<th>Cable length (m)</th>
<th>Max. power use (20 °C)</th>
<th>Thermal protector</th>
</tr>
</thead>
<tbody>
<tr>
<td>2315SF</td>
<td>3</td>
<td>3G x 1,5 - H05 VV-F</td>
<td>14 + 1 m</td>
<td>1,2 kW</td>
<td>2,3 kW</td>
</tr>
</tbody>
</table>

The following codes are considered devoid of accessories: protection cap - bayonet bracket.

SPEED CONTROL
The version equipped with a clutch that allows a cable rewinding at a controlled rate, is characterized by the plate.

P/N 728115
Protection cap, made of oil resistant rubber is useful against the accidental entry of water or foreign objects inside the cable reels.

P/N 89003
Bayonet bracket, it allows an easier movement of the cable reels in the various workstations.
For the use of the adjustable bracket see page 10.
Cable reels series 280
230 V SINGLE PHASE

with triple socket and Schuko plug IP44

**EN 61242**
2014/35/EU  2014/30/EU  2011/65/EU

Colour:
- STANDARD
- RAL 1004

### Overall dimensions STANDARD (mm)

<table>
<thead>
<tr>
<th>Weight (Kg)</th>
<th>No. packages per pallet</th>
<th>Packaging (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7,1</td>
<td>40</td>
<td>440 x 195 x 485</td>
</tr>
</tbody>
</table>

### Overall dimensions WITH BRACKET (mm)

<table>
<thead>
<tr>
<th>Weight (Kg)</th>
<th>No. packages per pallet</th>
<th>Packaging (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8,4</td>
<td>40</td>
<td>440 x 195 x 485</td>
</tr>
</tbody>
</table>
STANDARD ARTICLES

<table>
<thead>
<tr>
<th>P/N standard</th>
<th>Number of conductors</th>
<th>Cable type</th>
<th>Cable length (m)</th>
<th>Max. power use (20 °C)</th>
<th>Thermal protector</th>
</tr>
</thead>
<tbody>
<tr>
<td>2315T</td>
<td>3</td>
<td>3G x 1,5 - H05 VV-F</td>
<td>14 + 1 m</td>
<td>1,2 kW</td>
<td>YES</td>
</tr>
</tbody>
</table>

ARTICLES WITH SPEED CONTROL

<table>
<thead>
<tr>
<th>P/N with speed control</th>
<th>Number of conductors</th>
<th>Cable type</th>
<th>Cable length (m)</th>
<th>Max. power use (20 °C)</th>
<th>Thermal protector</th>
</tr>
</thead>
<tbody>
<tr>
<td>2315TF</td>
<td>3</td>
<td>3G x 1,5 - H05 VV-F</td>
<td>14 + 1 m</td>
<td>1,2 kW</td>
<td>YES</td>
</tr>
</tbody>
</table>

Attention: The system is downgraded depending on the IP valve of the connected components.

PARCHEMENT

Usage environment temperature: -5 °C to +40 °C

Fixing bracket: Fixed-Adjustable

Cable inlet: 1,2 m

The following codes are considered devoid of accessories: protection cap - bayonet bracket.

The values are intended with cable completely unwound.

SPEED CONTROL

The version equipped with a clutch that allows a cable rewinding at a controlled rate, is characterized by the plate.

P/N 728115 Protection cap, made of oil resistant rubber is useful against the accidental entry of water or foreign objects inside the cable reels.

P/N 89003 Bayonet bracket, it allows an easier movement of the cable reels in the various workplaces.

For the use of the adjustable bracket see page 10.
Cable reels series 280
without transformer

with fluorescent portable lamp
11 W series
F230 - F12 - F24

Colour:

STANDARD
RAL 1004

Overall dimensions STANDARD (mm)

<table>
<thead>
<tr>
<th>Weight (Kg)</th>
<th>No. packages per pallet</th>
<th>Packaging (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8,0</td>
<td>40</td>
<td>440 x 195 x 485</td>
</tr>
</tbody>
</table>

Overall dimensions WITH BRACKET (mm)

<table>
<thead>
<tr>
<th>Weight (Kg)</th>
<th>No. packages per pallet</th>
<th>Packaging (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9,3</td>
<td>40</td>
<td>440 x 195 x 485</td>
</tr>
</tbody>
</table>
Usage environment temperature: \(-5 \div +40 \, ^\circ C\)

**Fixing bracket:** Fixed-Adjustable

**Cable inlet:** 1.2 m

---

### STANDARD ARTICLES

<table>
<thead>
<tr>
<th>P/N standard</th>
<th>Number of conductors</th>
<th>Cable type</th>
<th>Cable length (m)</th>
<th>Inlet voltage</th>
<th>Lamp (page 32)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2210F23</td>
<td>2</td>
<td>2 x 1 - H05 RN-F</td>
<td>14 + 1 m</td>
<td>230 V AC-50 Hz</td>
<td>F230</td>
</tr>
<tr>
<td>2210F12</td>
<td>2</td>
<td>2 x 1 - H05 RN-F</td>
<td>14 + 1 m</td>
<td>12 V DC</td>
<td>F12</td>
</tr>
<tr>
<td>2210F24</td>
<td>2</td>
<td>2 x 1 - H05 RN-F</td>
<td>14 + 1 m</td>
<td>24 V DC</td>
<td>F24</td>
</tr>
</tbody>
</table>

### ARTICLES WITH SPEED CONTROL

<table>
<thead>
<tr>
<th>P/N with speed control</th>
<th>Number of conductors</th>
<th>Cable type</th>
<th>Cable length (m)</th>
<th>Inlet voltage</th>
<th>Lamp (page 32)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2210F23F</td>
<td>2</td>
<td>2 x 1 - H05 RN-F</td>
<td>14 + 1 m</td>
<td>230 V AC-50 Hz</td>
<td>F230</td>
</tr>
<tr>
<td>2210F12F</td>
<td>2</td>
<td>2 x 1 - H05 RN-F</td>
<td>14 + 1 m</td>
<td>12 V DC</td>
<td>F12</td>
</tr>
<tr>
<td>2210F24F</td>
<td>2</td>
<td>2 x 1 - H05 RN-F</td>
<td>14 + 1 m</td>
<td>24 V DC</td>
<td>F24</td>
</tr>
</tbody>
</table>

⚠️ The following codes are considered devoid of accessories: protection cap - bayonet bracket.

---

### ACCESSORIES

#### SPEED CONTROL

The version equipped with a clutch that allows a cable rewinding at a controlled rate, is characterized by the plate.

**P/N 728115**

Protection cap, made of oil resistant rubber is useful against the accidental entry of water or foreign objects inside the cable reels.

**P/N 89003**

Bayonet bracket, it allows an easier movement of the cable reels in the various workstations. For the use of the adjustable bracket see page 10.
Cable reels series 280
without transformer from 12 V to 24 V AC/DC

with led portable lamp series L1224
Usage environment temperature: -5 ÷ +40 °C

Fixing bracket: Fixed-Adjustable

Cable inlet: 1,2 m

Lamp protection degree

Protection degree of electrical parts

<table>
<thead>
<tr>
<th>LED</th>
<th>3,6W</th>
</tr>
</thead>
</table>

560 LUMEN
5000 °K

STANDARD ARTICLES

<table>
<thead>
<tr>
<th>P/N standard</th>
<th>Number of conductors</th>
<th>Cable type</th>
<th>Cable length (m)</th>
<th>Inlet voltage</th>
<th>Lamp (page 33)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2210L</td>
<td>2</td>
<td>2 x 1 - H05 RN-F</td>
<td>14 + 1 m</td>
<td>da 12 V a 24 V AC/DC</td>
<td>L1224</td>
</tr>
</tbody>
</table>

ARTICLES WITH SPEED CONTROL

<table>
<thead>
<tr>
<th>P/N with speed control</th>
<th>Number of conductors</th>
<th>Cable type</th>
<th>Cable length (m)</th>
<th>Inlet voltage</th>
<th>Lamp (page 33)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2210LF</td>
<td>2</td>
<td>2 x 1 - H05 RN-F</td>
<td>14 + 1 m</td>
<td>da 12 V a 24 V AC/DC</td>
<td>L1224</td>
</tr>
</tbody>
</table>

⚠️ The following codes are considered devoid of accessories: protection cap - bayonet bracket.

ACCESSORIES

SPEED CONTROL
The version equipped with a clutch that allows a cable rewinding at a controlled rate, is characterized by the plate.

P/N 728115
Protection cap, made of oil resistant rubber is useful against the accidental entry of water or foreign objects inside the cable reels.

P/N 89003
Bayonet bracket, it allows an easier movement of the cable reels in the various workstations. For the use of the adjustable bracket see page 10.
Cable reels series 290
with transformer 230 V

with led portable lamp series L1224

ENERGY SAVER

Overall dimensions STANDARD (mm)

<table>
<thead>
<tr>
<th>Weight (Kg)</th>
<th>No. packages per pallet</th>
<th>Packaging (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9,0</td>
<td>40</td>
<td>440 x 195 x 485</td>
</tr>
</tbody>
</table>

Overall dimensions WITH BRACKET (mm)

<table>
<thead>
<tr>
<th>Weight (Kg)</th>
<th>No. packages per pallet</th>
<th>Packaging (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10,4</td>
<td>40</td>
<td>440 x 195 x 485</td>
</tr>
</tbody>
</table>
Usage environment temperature: -5 ÷ +40 °C

Fixing bracket:
Fixed-Adjustable

Cable inlet: 1,2 m

Lamp protection degree

Protection degree of electrical parts

STANDARD ARTICLES

<table>
<thead>
<tr>
<th>P/N standard</th>
<th>Number of conductors</th>
<th>Cable type</th>
<th>Cable length (m)</th>
<th>Inlet voltage</th>
<th>Lamp (page 33)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2210TL</td>
<td>2</td>
<td>2 x 1 - H05 RN-F</td>
<td>14 + 1 m</td>
<td>230 V AC - 50 Hz</td>
<td>L1224</td>
</tr>
</tbody>
</table>

ARTICLES WITH SPEED CONTROL

<table>
<thead>
<tr>
<th>P/N with speed control</th>
<th>Number of conductors</th>
<th>Cable type</th>
<th>Cable length (m)</th>
<th>Inlet voltage</th>
<th>Lamp (page 33)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2210TLF</td>
<td>2</td>
<td>2 x 1 - H05 RN-F</td>
<td>14 + 1 m</td>
<td>230 V AC - 50 Hz</td>
<td>L1224</td>
</tr>
</tbody>
</table>

△ The following codes are considered devoid of accessories: protection cap - bayonet bracket.

ACCESSORIES

SPEED CONTROL
The version equipped with a clutch that allows a cable rewinding at a controlled rate, is characterized by the plate.

P/N 728115
Protection cap, made of oil resistant rubber is useful against the accidental entry of water or foreign objects inside the cable reels.

P/N 89003
Bayonet bracket, it allows an easier movement of the cable reels in the various workstations. For the use of the adjustable bracket see page 10.
RAASM portable lamps are strong and ideal for use in many fields of application. The adjustable hook and magnetic support allow their correct positioning in any situation. Depending on the model, they emit yellow or white light without generating heat and guarantee a large area of uniform illumination that ensures a large visual field.

**Advantages**

- Longer service life than a classic incandescent light bulb.
- Increased light output.
- Emits light at 5000 °K, comparable with the sun light (led version).
- Light diffusor to make uniform the led’s beam.
- Lower heating.
- Lower energy consumption.
- Easy positioning thanks to the swivelling hook and the magnetic support.
- Switch protected from accidental actuation.
- Bicomponent non-slip handgrip.

**WARNING**

The model with fluorescent lamp is supplied with light bulb. Fluorescent portable lamp that fits only energy saving light bulbs E27 max 11 W.
1 ADJUSTABLE HOOK
360° rotating, with locking loop device, allows to securely hook the lamp to various types of supports. The innovative closed loop system ensures a safe hooking also on moving equipment.

2 TRANSPARENT PROTECTION COVER
In high resistance polymer, it protects the lamp from accidental shocks and against entry of dust, dirt and liquids. Replaceable screen.

3 FLUORESCENT LIGHT BULB 11 W
For voltages from 12 V DC a 24 V DC - 230 V AC - 50 Hz. Series F280 - F12 - F24

4 LED HOLDER UNIT
For voltages from 12 V AC/DC a 24 V AC/DC. It includes 12 white LEDs (5000 °K) for a total of 3.6 W. Easily replaceable. Series L1224

5 MAGNETIC SUPPORT
Integrated in the handgrip, allows the adhesion of the lamp to any surface. This simple and practical device is useful when there are no holds for the hook of the lamp.

6 PROTECTED SWITCH
Incorporated inside the handle grip, it is protected from accidental shocks and against entry of dust, dirt and liquids.

7 HANDGRIP
In anti-skidding bicomponent, it allows a rapid and safe grip of the lamp.

8 PROTECTION FUSE
2 A, electrically protects the lamp from eventual short circuits. In the fluorescent lamp version is user replaceable.

9 PROTECTION DEGREE
IP65 - IK09.

Guarantee and quality of the components are our priority!
Portable lamp series F230 - F12 - F24
supplied with fluorescent bulb

powered by:
- 12 V DC
- 24 V DC
- 230 V AC

Technical characteristics:
Magnetic support
Transparent replaceable protection cover
Anti-skidding grip

Lamp protection degree
IP65
IK09

Overall dimensions (mm)

FLUORESCENT PORTABLE LAMP SERIES F230 - F12 - F24

<table>
<thead>
<tr>
<th>Fluorescent lamp P/N</th>
<th>Power supply voltage</th>
<th>Light bulb coupling</th>
<th>Max power (W)</th>
<th>Lamp protection degree</th>
<th>Light bulb supplied</th>
</tr>
</thead>
<tbody>
<tr>
<td>F230</td>
<td>230 V AC - 50 Hz</td>
<td>E27</td>
<td>11</td>
<td>IP65</td>
<td>P/N 728001</td>
</tr>
<tr>
<td>F12</td>
<td>12 V DC</td>
<td>E27</td>
<td>11</td>
<td>IP65</td>
<td>P/N 728002</td>
</tr>
<tr>
<td>F24</td>
<td>24 V DC</td>
<td>E27</td>
<td>11</td>
<td>IP65</td>
<td>P/N 728003</td>
</tr>
</tbody>
</table>

The above-mentioned codes refer to the lamp supplied without cable.

All the models can be supplied with light bulbs belonging to energetic efficiency class B, A and A+ in accordance with European regulation EU 874/2012. Fluorescent light bulbs can be replaced only with same energetic efficiency class.

LIGHT BULBS AVAILABLE
P/N 728001 Lamp 11 W 230 V AC - 50 Hz
P/N 728002 Lamp 11 W 12 V DC
P/N 728003 Lamp 11 W 24 V DC

Weight (Kg) | No. packages per pallet | Packaging (mm)
---|-------------------------|-------------------|
0.6         | 40                      | 525 x 135 x 80

Feed the lamp exclusively with the correct voltage. Using it with different voltages irremediably damages the lamp, and invalidate any warranty.

© RARSM
EN 60598-1  EN 60598-2-8
2014/35/EU  2014/30/EU
2011/65/EU  EU 874/2012

SERIES F230

SERIES F12 - F24
Portable lamp series L1224
supplied with led holder unit

powered by:
12 V ÷ 24 V AC/DC

Technical characteristics:
Magnetic support
Transparent replaceable protection cover
Anti-skidding grip

<table>
<thead>
<tr>
<th>LED PORTABLE LAMP SERIES L1224</th>
</tr>
</thead>
<tbody>
<tr>
<td>Led lamp P/N</td>
</tr>
<tr>
<td>---------------</td>
</tr>
<tr>
<td>L1224</td>
</tr>
</tbody>
</table>

Lamp protection degree

- IP65
- IK09

Overall dimensions (mm)

- 62
- 61
- 390
- 62
- 61

Technical characteristics:
- Magnetic support
- Transparent replaceable protection cover
- Anti-skidding grip

LED HOLDER UNIT

P/N 728005
Kit led holder unit, with 12 leds each of 0,3 W.
Led holder unit cannot be replaced by others available in the market.

Weight (Kg) | No. packages per pallet | Packaging (mm) |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>0,6</td>
<td>40</td>
<td>525 x 135 x 80</td>
</tr>
</tbody>
</table>
EARTHING CABLE REELS
The cable reels easily meet the need to ground the tanks containing flammable liquids during the operations of transfer in order to avoid the accumulation of dangerous electrostatic charges.

**ALTERNATIVE:**
The cable reels can be installed on the mobile tank and the pliers connected to the appropriate ground plate (pict. 2).

**FUNCTIONING:**
The assigned operator, before performing the transfer of the fluids, must connect the clamp on the end of the cable to the proper connecting plate obligatorily foreseen on all portable tanks (pict. 1).

**APPLICATION FIELDS**
Deposits and refineries, aviation, tank trucks, naval

The cable reels series 350 is marked according to ATEX directive, category 3 (zone 2). The anti-deflagration pliers, standard on some models, can be placed instead in a potentially explosive area (zone 1) as indicated in the relative marking.
Cable reels series 280 earthing

covered in shockproof plastic material

Overall dimensions STANDARD (mm)

<table>
<thead>
<tr>
<th>Weight (Kg)</th>
<th>No. packages per pallet</th>
<th>Packaging (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5,0 ÷ 9,0</td>
<td>40</td>
<td>440 x 195 x 485</td>
</tr>
</tbody>
</table>

Overall dimensions WITH BRACKET (mm)

<table>
<thead>
<tr>
<th>Weight (Kg)</th>
<th>No. packages per pallet</th>
<th>Packaging (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6,3 ÷ 10,3</td>
<td>40</td>
<td>440 x 195 x 485</td>
</tr>
</tbody>
</table>
Usage environment temperature: -5 ÷ +40 °C

Fixing bracket: Fixed-Adjustable

Cable inlet: 1.2 m

**Protection degree of electrical parts**

| IP44 without protection cap | IP45 with protection cap |

Attention: The system is downgraded depending on the IP valve of the connected components.

---

**EARTHING PLIERS**

- **100 A**
- **50 A**
- **10 A**

P/N 735111

P/N 735112

ANTI-DEFLAGRATION

**STANDARD ARTICLES**

<table>
<thead>
<tr>
<th>P/N standard</th>
<th>Number of conductors</th>
<th>Cable type</th>
<th>Cable length (m)</th>
<th>Cable inlet (m)</th>
<th>Earthing pliers</th>
</tr>
</thead>
<tbody>
<tr>
<td>1065</td>
<td>1</td>
<td>1 x 6 - H07 V-K</td>
<td>15 + 1</td>
<td>1.2</td>
<td>without</td>
</tr>
<tr>
<td>1161</td>
<td>1</td>
<td>1 x 6 - H07 V-K</td>
<td>10 + 1</td>
<td>1.2</td>
<td>without</td>
</tr>
<tr>
<td>1065P</td>
<td>1</td>
<td>1 x 6 - H07 V-K</td>
<td>15 + 1</td>
<td>1.2</td>
<td>P/N 735112</td>
</tr>
<tr>
<td>1161P</td>
<td>1</td>
<td>1 x 6 - H07 V-K</td>
<td>10 + 1</td>
<td>1.2</td>
<td>P/N 735111</td>
</tr>
<tr>
<td>1064P</td>
<td>1</td>
<td>1 x 6 - PUR</td>
<td>14.5</td>
<td>1.2</td>
<td>anti-deflagration 10 A</td>
</tr>
</tbody>
</table>

**ARTICLES WITH SPEED CONTROL**

<table>
<thead>
<tr>
<th>P/N with speed control</th>
<th>Number of conductors</th>
<th>Cable type</th>
<th>Cable length (m)</th>
<th>Cable inlet (m)</th>
<th>Earthing pliers</th>
</tr>
</thead>
<tbody>
<tr>
<td>1065F</td>
<td>1</td>
<td>1 x 6 - H07 V-K</td>
<td>15 + 1</td>
<td>1.2</td>
<td>without</td>
</tr>
<tr>
<td>1161F</td>
<td>1</td>
<td>1 x 6 - H07 V-K</td>
<td>10 + 1</td>
<td>1.2</td>
<td>without</td>
</tr>
<tr>
<td>1065PF</td>
<td>1</td>
<td>1 x 6 - H07 V-K</td>
<td>15 + 1</td>
<td>1.2</td>
<td>P/N 735112</td>
</tr>
<tr>
<td>1161PF</td>
<td>1</td>
<td>1 x 6 - H07 V-K</td>
<td>10 + 1</td>
<td>1.2</td>
<td>P/N 735111</td>
</tr>
<tr>
<td>1064PF</td>
<td>1</td>
<td>1 x 6 - PUR</td>
<td>14.5</td>
<td>1.2</td>
<td>anti-deflagration 10 A</td>
</tr>
</tbody>
</table>

⚠️ The following codes are considered devoid of accessories: protection cap - bayonet bracket.

---

**ACCESSORIES**

**SPEED CONTROL**

The version equipped with a clutch that allows a cable rewinding at a controlled rate, is characterized by the plate.

**P/N 728115**

Protection cap, made of oil resistant rubber is useful against the accidental entry of water or foreign objects inside the cable reels.

**P/N 89003**

Bayonet bracket, it allows an easier movement of the cable reels in the various workstations. For the use of the adjustable bracket see page 10.
open with painted steel drum

In accordance with directive II 3 GD

Colour:
- STANDARD
- RAL 1004

Usage environment
- temperature: -5 °C to +40 °C

Fixing bracket: Fixed

Cable inlet: 1.2 m

EARTHING PLIERS

- 100 A
- 50 A
- 10 A

P/N 735111
P/N 735112
ANTI-DEFLAGRATION

STANDARD ARTICLES

<table>
<thead>
<tr>
<th>P/N standard</th>
<th>Number of conductors</th>
<th>Cable type</th>
<th>Conducting cable material</th>
<th>Conducting cable insulation</th>
<th>Cable length (m)</th>
<th>Earthing pliers</th>
</tr>
</thead>
<tbody>
<tr>
<td>735000</td>
<td>1</td>
<td>without cable</td>
<td>max cable capacity 30 m - cross section 16 mm²</td>
<td>without</td>
<td>without</td>
<td></td>
</tr>
<tr>
<td>735131.60141</td>
<td>1</td>
<td>1 x 6</td>
<td>Copper</td>
<td>PUR</td>
<td>14.5</td>
<td>anti-deflagration 10 A</td>
</tr>
<tr>
<td>735131.60261</td>
<td>1</td>
<td>1 x 6</td>
<td>Copper</td>
<td>PUR</td>
<td>26</td>
<td>anti-deflagration 10 A</td>
</tr>
<tr>
<td>735131.60152</td>
<td>1</td>
<td>1 x 6</td>
<td>Copper</td>
<td>PUR</td>
<td>15</td>
<td>P/N 735112</td>
</tr>
<tr>
<td>735131.60252</td>
<td>1</td>
<td>1 x 6</td>
<td>Copper</td>
<td>PUR</td>
<td>25</td>
<td>P/N 735112</td>
</tr>
<tr>
<td>735141.60152</td>
<td>1</td>
<td>1 x 7</td>
<td>Steel</td>
<td>PVC</td>
<td>15</td>
<td>P/N 735112</td>
</tr>
<tr>
<td>735141.60252</td>
<td>1</td>
<td>1 x 7</td>
<td>Steel</td>
<td>PVC</td>
<td>25</td>
<td>P/N 735112</td>
</tr>
</tbody>
</table>
1. **REWINDING SPRING**
   - With constant force fully closed and protected.

2. **STOP RACK**
   - Allows the blocking of the cable to the wanted measure.

3. **PAWL**
   - Of increased thickness with reinforcement ribs to ensure high resistance to stresses. Actuated by a spring in stainless steel.

4. **MULTI POSITION ARMS**
   - To facilitate the release of the cable according to the installation of the cable reels.

5. **SELF-LUBRICATING CABLE GUIDE ROLLERS**
   - Wide omnidirectional nozzle.

6. **CABLE CLAMP PAD**
   - Adjustable.

7. **CABLE REELS DRUM**
   - Sturdy and practical with ribs and rounded edges.

8. **HOOKING BRACKET**
   - It is provided with four slotted holes that allow easy and safe installation.

9. **EARTHING PLIERS**
   - To eliminate the accumulation of electrostatic energy.

10. **EARTHING CONNECTION**

---

**Overall dimensions STANDARD (mm)**

<table>
<thead>
<tr>
<th>Weight (Kg)</th>
<th>No. packages per pallet</th>
<th>Packaging (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>12,3 ÷ 14,1</td>
<td>36</td>
<td>390 x 188 x 403</td>
</tr>
</tbody>
</table>
HOSE REELS

Air-Water
20 bar
40 °C
Guarantee and quality of the components are our priority!

**TECHNICAL CHARACTERISTICS**

1. **SPRING**
   Rewinding spring totally protected from the external environment. The spring is subjected to a durability test of 20000 cycles (each cycle corresponds to the complete unwinding and rewinding of the hose) thus simulating an average life of over 10 years. Possibility to intervene to adjust the spring force increasing or decreasing the preload.

2. **REWINING CLUTCH**
   Optional, devoid of complex and potentially wearing kinematic motions, allows the rewinding of the drum at a safe speed.

3. **STOPPING RACK**
   It has an increased width and reinforcement ribs ensuring greater durability and sturdiness.

4. **PAWL**
   Of increased thickness with reinforcing ribs ensuring high stress resistance and durability.

5. **STRUCTURE**
   Strong and compact made of highly resistant shockproof material mechanical, designed to withstand over time.

6. **HOSE GUIDE WITH ROLLERS**
   Sturdy and resistant with reinforced steel interior. Wide width which allows to guide properly the hose for correct rewind. Equipped with 4 rollers, 2 arranged horizontally (above and below) and 2 arranged vertically (left and right) that reduce hose wear.

7. **FITTINGS AND CENTRAL PIN**
   Built in suitable material to withstand harsh products (Delrin®) and with passages dimensioned so as to avoid flow resistance.

8. **ENTRY ARTICULATION**
   With internal passage properly sized to the used pipes. The 90° fitting can be oriented in eight different positions, 45° equitably spaced to facilitate the connection of the inlet hose (supplied).

9. **HOSE**
   Polyurethane hose with hose stop pad and outlet articulation that ease the use of the pneumatic equipment (inflating guns, screwers, etc.) to which it is connected. Two metal coils positioned at either end of the hose are a safe reinforcement to its structure.

10. **SIDE CLUTCH**
    The bracket is equipped with a special clutch that controls the rotational speed on the right and on the left of the hose reels.

11. **ADJUSTABLE BRACKET**
    Adjustable up to 90° per side, of a sturdy structure with loop fixing holes that facilitate wall mounting.

12. **BAYONET BRACKET**
    The bracket with bayonet type quick coupling is available as optional and it allows an easier movement of the hose reels in the various workstations.
Hose reels series 280
Air-Water - 20 bar - 40 °C

enclosed in shockproof plastic material

Colour:

STANDARD  RAL 1004

Overall dimensions STANDARD (mm)

Overall dimensions WITH BRACKET (mm)

<table>
<thead>
<tr>
<th>Weight (Kg)</th>
<th>No. packages per pallet</th>
<th>Packaging (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6,0 ÷ 7,9</td>
<td>40</td>
<td>470 x 260 x 490</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Weight (Kg)</th>
<th>No. packages per pallet</th>
<th>Packaging (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7,3 ÷ 9,2</td>
<td>40</td>
<td>470 x 260 x 490</td>
</tr>
</tbody>
</table>
Usage environment temperature: -5 ÷ +40 °C

Fixing bracket:
Fixed-Adjustable

<table>
<thead>
<tr>
<th>P/N standard</th>
<th>Hose length and ø</th>
<th>Coupling</th>
<th>Hose working temperature min/max</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>inlet</td>
<td>outlet</td>
</tr>
<tr>
<td>92808.101</td>
<td>10 m - 8 x 12 mm</td>
<td>G 3/8&quot; (m)</td>
<td>G 1/4&quot; (m)</td>
</tr>
<tr>
<td>92808.102</td>
<td>14 m - 8 x 12 mm</td>
<td>G 3/8&quot; (m)</td>
<td>G 1/4&quot; (m)</td>
</tr>
<tr>
<td>92808.105</td>
<td>8 + 1 m - 10 x 14,5 mm</td>
<td>G 3/8&quot; (m)</td>
<td>G 3/8&quot; (m)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>P/N with speed control</th>
<th>Hose length and ø</th>
<th>Coupling</th>
<th>Hose working temperature min/max</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>inlet</td>
<td>outlet</td>
</tr>
<tr>
<td>92848.101</td>
<td>10 m - 8 x 12 mm</td>
<td>G 3/8&quot; (m)</td>
<td>G 1/4&quot; (m)</td>
</tr>
<tr>
<td>92848.102</td>
<td>14 m - 8 x 12 mm</td>
<td>G 3/8&quot; (m)</td>
<td>G 1/4&quot; (m)</td>
</tr>
<tr>
<td>92848.105</td>
<td>8 + 1 m - 10 x 14,5 mm</td>
<td>G 3/8&quot; (m)</td>
<td>G 3/8&quot; (m)</td>
</tr>
</tbody>
</table>

EQUIPPED WITH:
- hose outlet with swivel joint
- polyurethane hose (blue) with protection spring on fittings
- galvanized steel fittings
- brass joint
- seals in Viton®
- length in entrance 1,5 m

OUTPUT HOSE DETAIL

- Swivel joint to facilitate the use of pneumatic tools
- Hose anti-folding spring

The following codes are considered devoid of bayonet bracket.

some examples of use

ACCESSORIES

SPEED CONTROL
The version equipped with a clutch that allows a cable rewinding at a controlled rate, is characterized by the plate.

P/N 89003
Bayonet bracket, it allows an easier movement of the cable reels in the various workstations. For the use of the adjustable bracket see page 10.

P/N 89001
Wall bracket, to buy separately in case you want to create multiple points for fitting the hose reel provided with bayonet bracket.
SPECIFIC TESTS AND OVERALL TESTING
The spare parts catalogue advantages

With a complete, intuitive and competitive catalogue the cable reels maintenance is every day easier and more profitable.

**strength points**

**LONG-TERM QUALITY**
The availability of spare parts kits extends the product's lifetime, improving the investment over time.

**IMMEDIATE MAINTENANCE, AT THE WORKING SITE**
Kits are easy to install, they don’t need the presence of specialized technicians and they can be used at the working place.

**SIMPLE AND EFFICIENT**
The already available spare parts kits simplify the purchase procedure and make the stock more efficient.

**POWER TO THE COLOURS**
The colours in the exploded view make the consultation easy, evident and immediate.

**ALWAYS AVAILABLE**
The exploded view of all the catalogue’s products can be downloaded on-line.
**PRODUCT CUSTOMIZATION**

**RAASM** offers the opportunity to order the products of its production in **2 different colours**. The customer **without the constraints of minimum quantity, nor additional costs, can request the colour choosing from the proposed range.**

This customization concerns only the colour and **does not include**: instruction booklets, labels, brands, etc. **Delivery times for the colour that is not standard may vary.** Different colours, in addition to those available or other customizations, must be valued each time and will be bound to minimum quantities and additional costs.

**AVAILABLE COLOURS**

The products for which a customized colour is not specified, are supplied with standard grey colour as per catalogue

<table>
<thead>
<tr>
<th>STANDARD COLOUR</th>
<th>AVAILABLE COLOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAL 7035</td>
<td>RAL 1004</td>
</tr>
</tbody>
</table>

To order an item with a **different colour from the standard**, it is necessary to add the suffix:

/C2 for yellow colour **Ral 1004**
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■ Technology
The starting point for the entire production cycle is the research and development of cutting-edge new solutions which lead to the development of high quality products, fully produced in Italy.

■ Quality
The quality of our product manufacturing has always been our absolute priority. To reach this goal rigorous testing accompanies every phase of the manufacturing process.

■ Functionality
RAASM offers the most complete range of lubrication products suited to many sectors. Our aim is to always be available to provide solutions to our customers.