

Instructions



External Rewinder

**ER1 / ER2 / ER3**

MADE IN GERMANY

Part No.	Description	Type
5948102.597	External Rewinder	ER1/210
5943251.597	External Rewinder	ER2/210
5945802.597	External Rewinder	ER3/210

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### Other Documentation

Instructions SQUIX

▷ <https://www.cab.de/media/pushfile.cfm?file=2771> 



Configuration Manual cab Printers

▷ <https://www.cab.de/media/pushfile.cfm?file=3257> 



Programming Manual cab Printers

▷ <https://www.cab.de/media/pushfile.cfm?file=3047> 



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## 1.1 Notes

Important information and instructions are designated as follows:

**Danger!**

Draws attention to an exceptionally great, imminent danger to your health or life due to hazardous voltages.

**Danger!**

Draws attention to a danger with high risk which, if not avoided, may result in death or serious injury.

**Warning!**

Draws attention to a danger with medium risk which, if not avoided, may result in death or serious injury.

**Caution!**

Draws attention to a danger with low risk which, if not avoided, may result in minor or moderate injury.

**Attention!**

Draws attention to potential risks of property damage or loss of quality.

**Note!**

Advices to make work routine easier or on important steps to be carried out.

**Environment!**

Advices on protecting the environment.



Handling instruction



Reference to section, position, illustration number or document.



Option (accessories, peripheral equipment, special fittings).

*Time*

Information in the display.

## 1.2 Intended Use

- The device is intended exclusively as a peripheral unit for the printers of cab's SQUIX Series to rewind suitable materials. Any other use or use going beyond this shall be regarded as improper use. The manufacturer/supplier shall not be liable for damage resulting from unauthorized use; the user shall bear the risk alone.
- Usage for the intended purpose also includes complying with that manual, including the manufacturer's specifications.
- The device is manufactured in accordance with the current technological status and the recognized safety rules. However, danger to the life and limb of the user or third parties and/or damage to the device and other tangible assets can arise during use.
- The device may only be used for its intended purpose and if it is in perfect working order, and it must be used with regard to safety and dangers as stated in the manual.

**Note!**

The complete documentation can also currently be found in the Internet.

### 1.3 Safety Instructions

**Caution!**

Risk of injury by rotating parts!

During operation, rotating parts are freely accessible.

- ▶ Ensure that people's clothing, hair, jewelry etc. do not come into contact with the exposed rotating parts.

**Attention!**

Risk of damage !

- ▶ Switch off the printer before mounting or removing the rewinder.

**Attention!**

Risk of damage !

- ▶ Do not change the rewinding direction, when the rewind axle is turning.

- The device may only be used in a dry environment, do not expose it to moisture (sprays of water, mists, etc.).
- Do not use the device in an explosive atmosphere.
- Do not use the device close to high-voltage power lines.
- Perform only those actions described in this operating manual.  
Work going beyond this may only be performed by trained personnel or service technicians.
- Unauthorized interference with electronic modules or their software can cause malfunctions.
- Other unauthorized work on or modifications to the device can also endanger operational safety.
- Always have service work done in a qualified workshop, where the personnel have the technical knowledge and tools required to do the necessary work.
- The maximum sound pressure level is less than 70 dB(A).

**Warning!**

This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

### 1.4 Environment



Obsolete devices contain valuable recyclable materials that should be sent for recycling.

- ▶ Send to suitable collection points, separately from residual waste.
- ▶ Send the parts for recycling.

2.1 Function

The External Rewinders ER1, ER2 and ER3 are peripheral devices for SQUIX Series printers to rewind the material after printing. The rewinder is powered and controlled directly by the peripheral port of the printer. The rewinder operates just then if the printer is carrying out a paper feed. After completion of the paper feed the rewinder runs maximum one more second.

2.2 Technical Data

		ER1	ER2	ER3
<b>Label width</b>		up to 120 mm (4.7 in)	up to 180 mm (7 in)	up to 235 mm (9.1 in)
<b>Rewind diameter</b>		up to 203 mm (8.1 in)		
<b>Core diameter</b>		40 mm (1.6 in) on rewind axle 40 mm (1.6 in) on cardboard core 76 mm (3 in) with adapters on cardboard core		
<b>Rewind speed</b>		50 - 300 mm/s (2 - 12 ips)		
<b>Label rewinding</b>		Labels outside / inside		
<b>Dimensions</b>	<b>Height</b>	280 mm (11 in)		
	<b>Width</b>	250 mm (9.8 in)	310 mm (12.1 in)	365 mm (14.3 in)
	<b>Length</b>	285 mm (11.1 in)		
<b>Weight</b>		4.5 kg (9.9 lbs)	4.8 kg (10.5 lbs)	5.1 kg (11.1 lbs)
<b>Operating temperature</b>		5 - 40 °C, at humidity 10 - 85 % not condensing		
<b>Storage Temperature</b>		0 - 60 °C, at humidity 20 - 80 % not condensing		
<b>Transport Temperature</b>		-25 - 60 °C, at humidity 20 - 80 % not condensing		

Table 1 Technical data

2.3 Device Overview

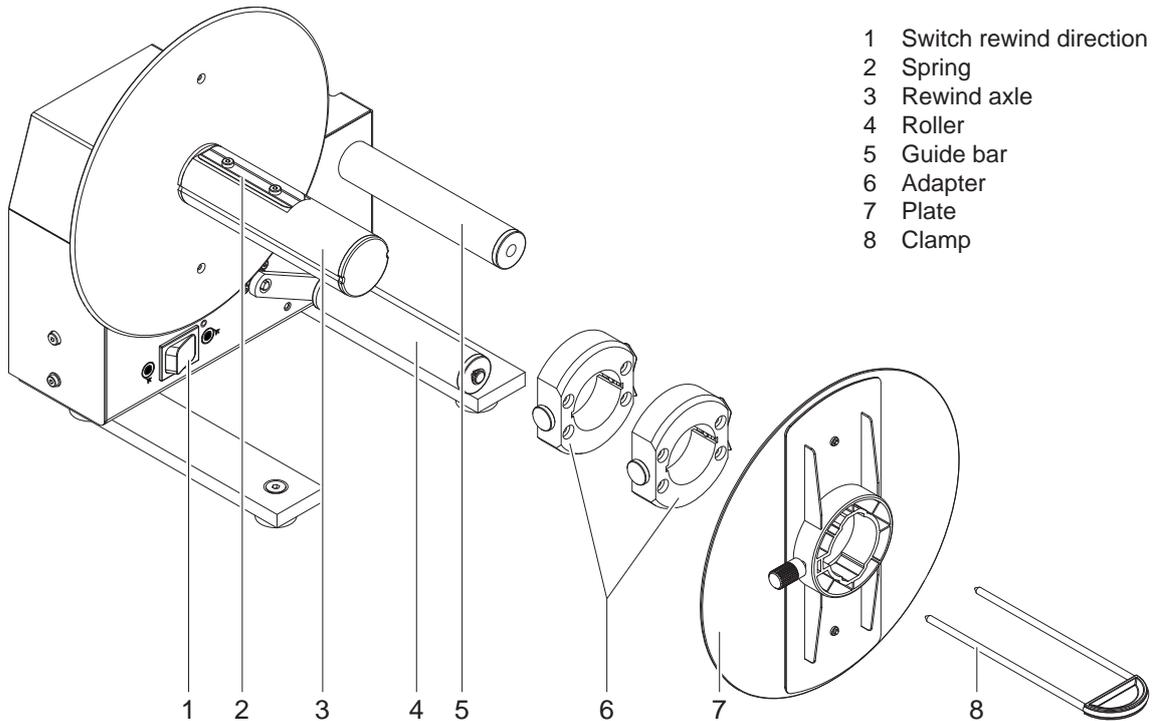


Figure 1 Device overview

### 3.1 Unpacking

- ▶ Check rewinder for damage which may have occurred during transport.
- ▶ Check delivery for completeness.

Contents of delivery:

- External Rewinder
- 2 Adapters
- Plate
- Clamp
- Assembly Instructions



#### Note!

- ▶ Please keep the original packaging in case the printer must be returned.



#### Attention!

The device and printing materials will be damaged by moisture and wetness.

- ▶ Set up label printers only in dry locations protected from splash water.

### 3.2 Mounting the Rewinder to the Printer



#### Attention!

Risk of damage !

- ▶ Switch off the printer before mounting or removing the rewinder.

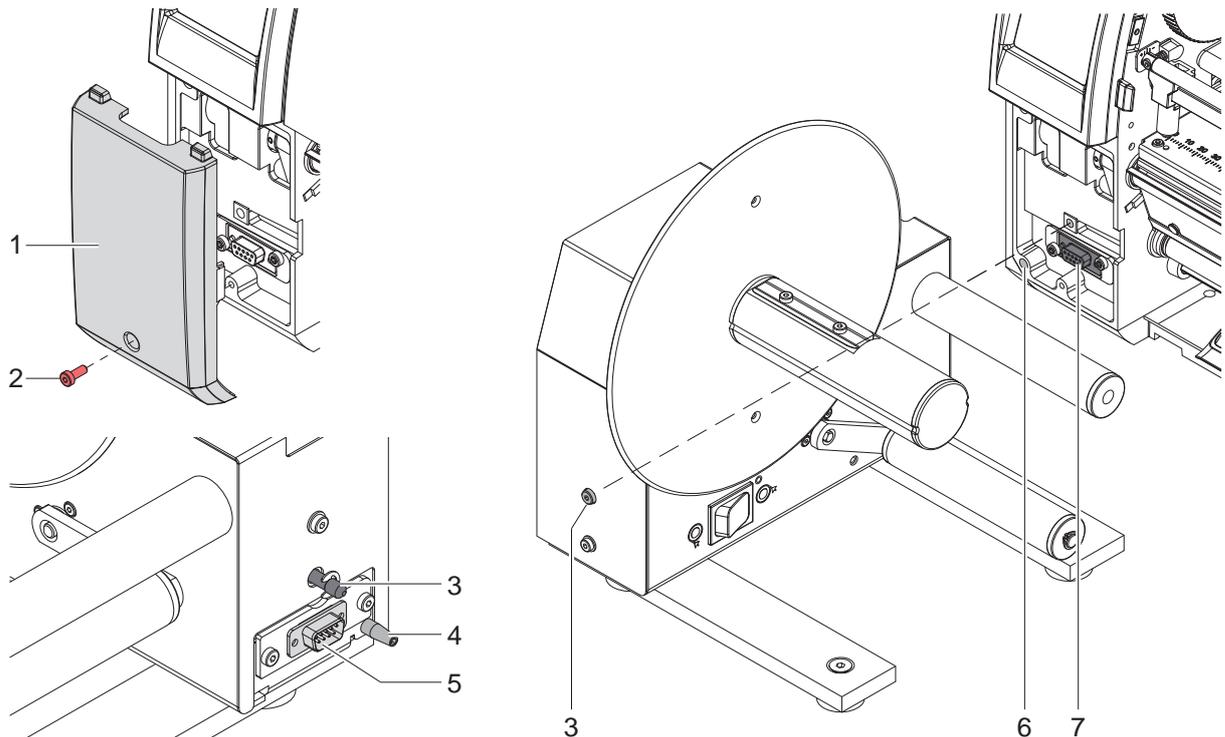


Figure 2 Mounting the rewinder

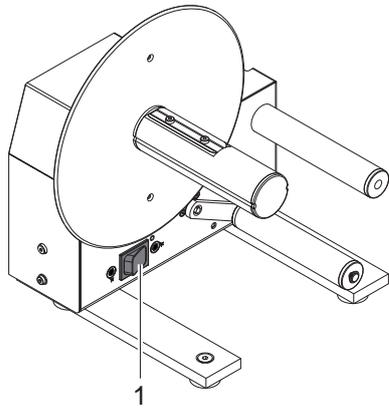
1. Loosen screw (2) and remove front cover (1).
2. Insert the pin (4) of the rewinder into the hole (6) of the printer.
3. Press the rewinder against the printer. That way the plug (5) of the rewinder will be connected to the peripheral port (7) of the printer.
4. Secure the rewinder by tightening the spindle (3).

## 4.1 Setting the Rewind Direction

**Attention!**

Risk of damage !

▶ Do not change the rewinding direction, when the rewind axle is turning.



▶ Set the switch (1) to the intended rewind direction.



Rewinding with labels inside



Rewinding with labels outside

Figure 3 Setting the rewind direction

## 4.2 Rewinding directly onto the Rewind Axle

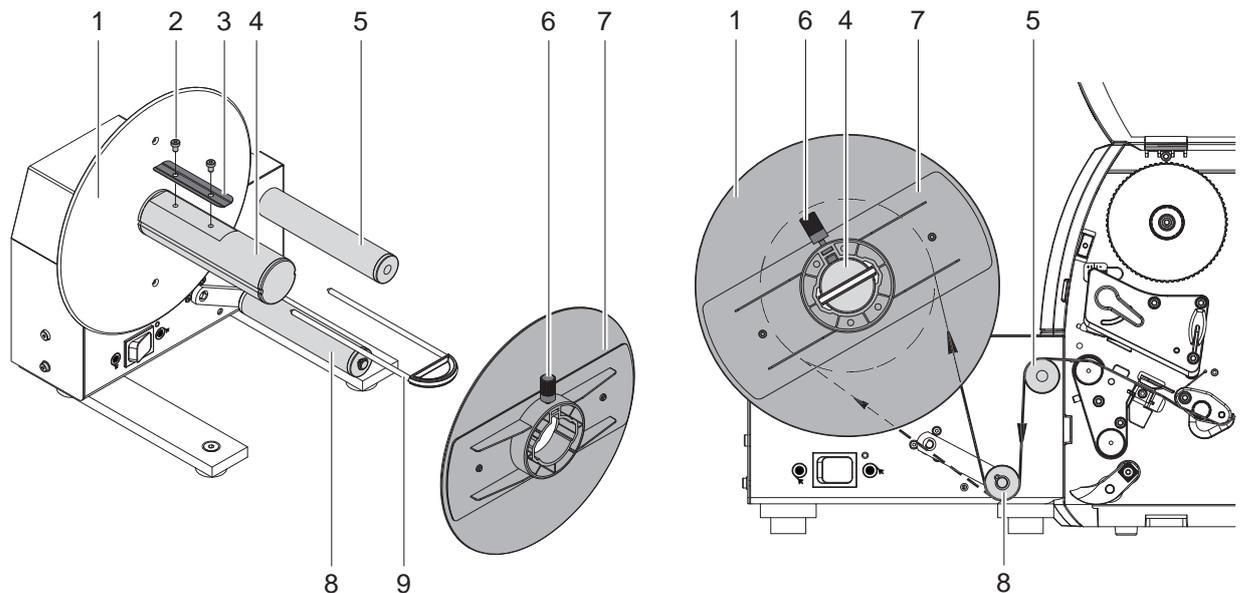


Figure 4 Rewinding directly onto the Rewind Axle

1. Loosen screws (2) and remove spring (3).
2. Feed the label strip over the guide bar (5) and under the roller (8) to the rewind axle (4). Ensure that the label strip is even with the disc (1).
3. Attach the label strip to the rewind axle by setting the clamp (9) over the label strip in the groove of the rewind axle (4). Consider the rewind direction :
  - The full line is valid for outside wound labels.
  - The broken line is valid for inside wound labels.
4. Slide the clamp (9) as far as possible towards the disc (1).
5. Slide the plate (7) onto the rewind axle so that it slightly touches the label strip. The label strip must be able to move slightly between the disc and the plate.
6. Tighten the knurled screw (6).

The rewinder is ready for operation. If the printer carries out a paper feed the rewinder also starts to operate.

### 4.3 Rewinding onto 76 mm Cardboard Core

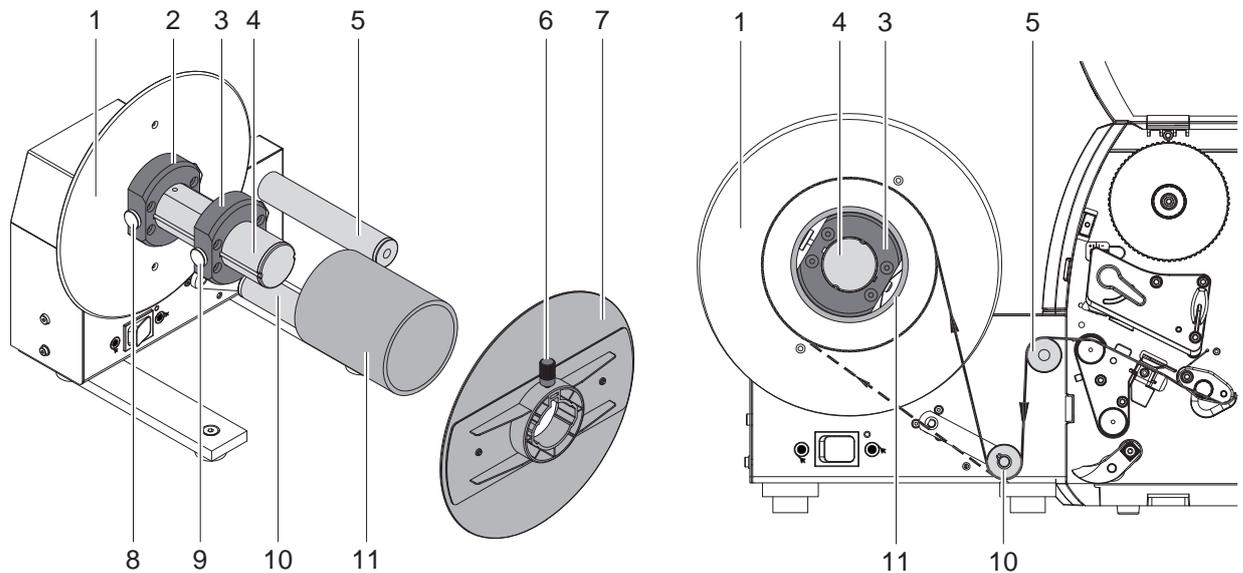


Figure 5 Rewinding onto 76 mm cardboard core



#### Note!

► Use a cardboard core which is about 1 mm wider than the label strip.

1. Remove the spring from the rewind axle ▷ 4.2 on page 7.
2. Put the first adapter (2) onto the rewind axle (4) and slide it to the disc (1).
3. Tighten the knurled screw (8).
4. Put the second adapter (3) onto the rewind axle (4) and slide it towards the first adapter until the distance between the outer edge of the adapter (3) and the disc (1) is a little less than the width of the cardboard core.
5. Tighten the knurled screw (9).
6. Slide the cardboard core (11) over the two adapters (2,3) until it is touching the disc (1).
7. Feed the label strip over the guide bar (5) and under the roller (10) to the rewind axle (4). Ensure that the label strip is even with the disc (1).
8. Using adhesive tape or label, affix the end of the label strip to the cardboard core.  
Consider the rewind direction :
  - The full line is valid for outside wound labels.
  - The broken line is valid for inside wound labels.
9. Slide the plate (7) onto the rewind axle (4) until it stops.
10. Tighten the knurled screw (6).

The rewinder is ready for operation. If the printer carries out a paper feed the rewinder also starts to operate.

## 4.4 Rewinding onto 40 mm Cardboard Core

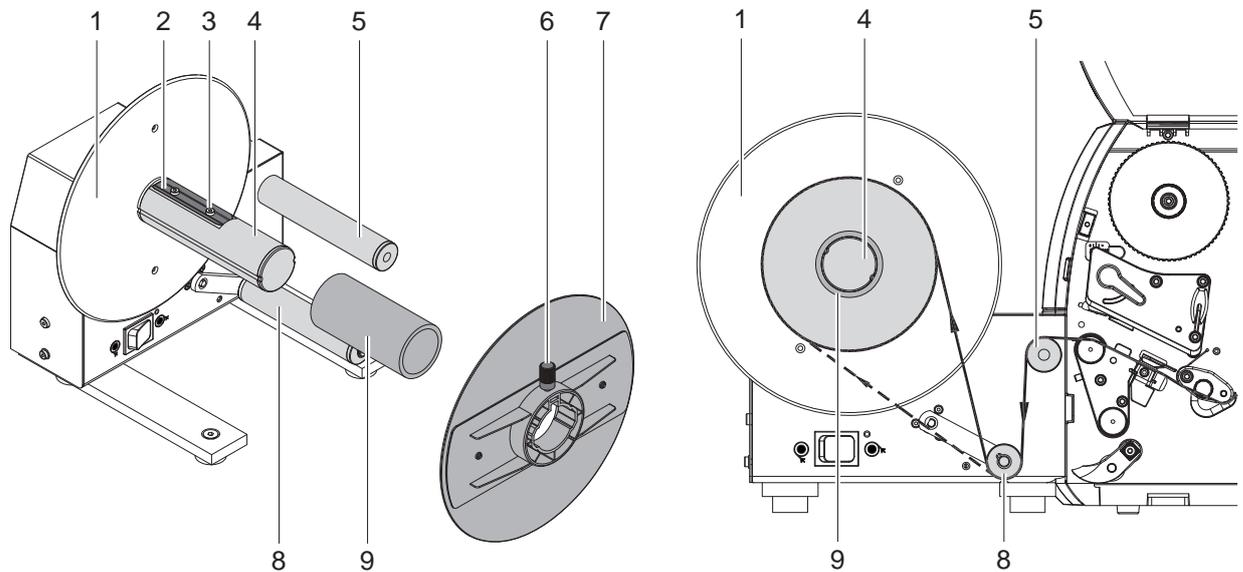


Figure 6 Rewinding onto 40 mm cardboard core

**Note!**

► Use a cardboard core which is about 1 mm wider than the label strip.

1. Mount the spring (2) with the screws (3) to the rewind axle (4).
2. Slide the cardboard core (9) onto the rewind axle (4) until it is touching the disc (1).
3. Feed the label strip over the guide bar (5) and under the roller (8) to the rewind axle (4). Ensure that the label strip is even with the disc (1).
4. Using adhesive tape or label, affix the end of the label strip to the cardboard core.  
Consider the rewind direction :
  - The full line is valid for outside wound labels.
  - The broken line is valid for inside wound labels.
5. Slide the plate (7) onto the rewind axle (4) until it stops.

**Note!**

**When using small labels it is possible that the cardboard core not covers the spring over the whole length.**

► In this case align the groove on the plate so that it fits to the spring of the rewind axle.

6. Tighten the knurled screw (6).

The rewinder is ready for operation. If the printer carries out a paper feed the rewinder also starts to operate.

The External Rewinders ER1, ER2 and ER3 comply with the relevant fundamental regulations of the EU Rules for Safety and Health:

- Directive 2014/30/EU relating to electromagnetic compatibility
- Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment
- Delegated directive (EU) 2015/863 as regards the list of restricted substances

#### EU Declaration of Conformity

▷ <https://www.cab.de/media/pushfile.cfm?file=2706> 

