DÜRKOPP ADLER

911

Additional Instructions

Adjustable belt clamp

IMPORTANT
READ CAREFULLY BEFORE USE
KEEP FOR FUTURE REFERENCE

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1 General information

These additional instructions describe how to assemble and connect the adjustable belt clamp.

Components of the kit

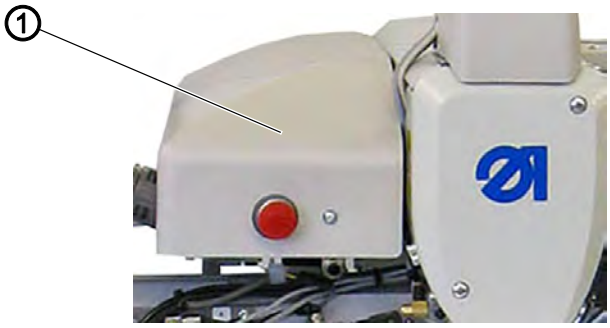
Check whether the scope of delivery for kit 0911 457644 is correct prior to installation.

Part number	Quantity	Description
0699 973927	1	Film (1.5 m)
0911 451220	1	Support plate
0911 451230	1	Support (large)
0911 451240	1	Clamping lever left
0911 451250	1	Clamping lever right
0911 451260	4	Bracket
0911 451280	1	Strip
0911 451360	2	Plate
0911 451370	6	Clip
0911 451380	1	Stop (10 mm)
0911 451390	1	Stop (20 mm)
0911 451400	1	Stop (40 mm)
0911 451410	1	Plate
0911 451420	2	Plate
0911 451430	2	Profile
0911 451440	38	Position stone (M4 for size 5 slot)
0911 451470	4	Cover cap (20x20)
0911 540180	1	Bracket
9217 300517	12	Pan-head screw (M4x8)
9231 110057	16	Hexagon nut (M4)
9203 001867	8	Cylinder-head bolt (M2x10)
9330 000087	34	Washer (A3.4)
9815 510001	4	Changeover microswitch
9840 120108	4	Cable holder (for M4 cable ties)
9870 911019	1	Cable (connect. clamp)
9870 911020	2	Cable (connection microswitch)
0791 911704 EN	1	Additional Instructions

2 Assembling the kit

1. Assemble the adjustable belt clamp as shown in the drawing (see **Appendix** 🕮 *p. 12*).

Flg. 1: Assembling the kit (1)

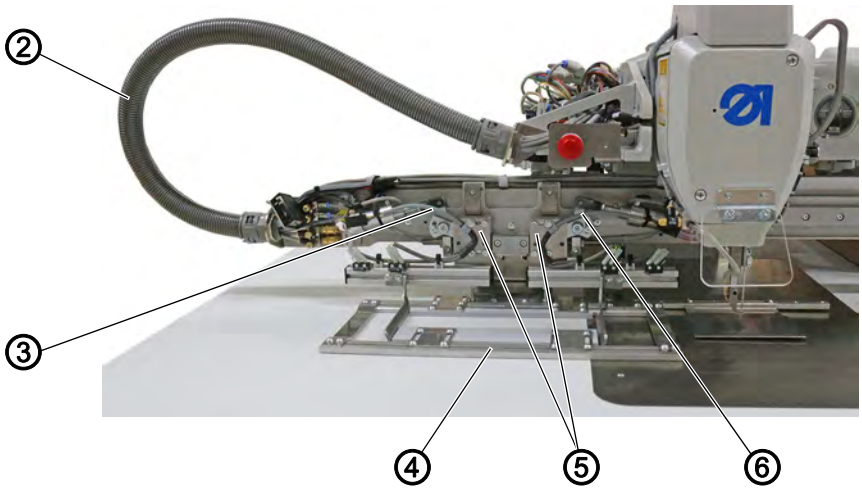


(1) - Left cover

To assemble the adjustable belt clamp:

1. Remove the left cover (1).

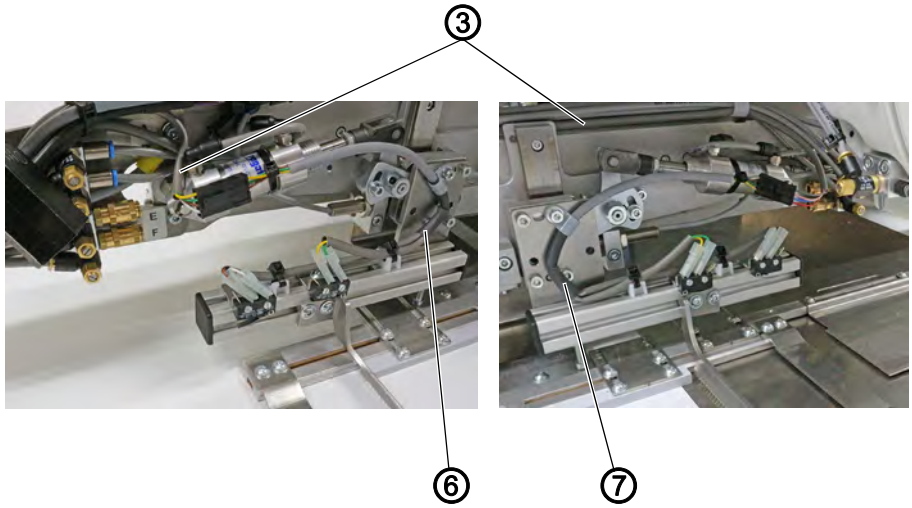
Flg. 2: Assembling the kit (2)



(2) - Hose
(3) - 8-pin cable (part number 9870 11019)
(4) - Adjustable belt clamp
(5) - Bracket

2. Tighten the adjustable belt clamp (4) on the X carriage using the brackets (5).

Flg. 3: Assembling the kit (3)



(3) - 8-pin cable (part number 9870 11019)
(6) - Cable (part number 9870 911020)
(7) - Cable (part number 9870 911020)

3. The 8-pin cable (3) splits into 2 4-pin cables of different lengths.
4. Connect the cable (3) on either side of the adjustable belt clamp using the two cables (6) and (7):
   - **left**: brown, white, yellow and green to the cable of the same color
   - **right**:
     white to gray
     brown to pink
     green to blue
     yellow to red
5. Fix the cable (3) in place on the X carriage using cable ties and guide it through the hose (2).

Flg. 4: Assembling the kit (4)

(3) - 8-pin cable
(8) - Socket strip

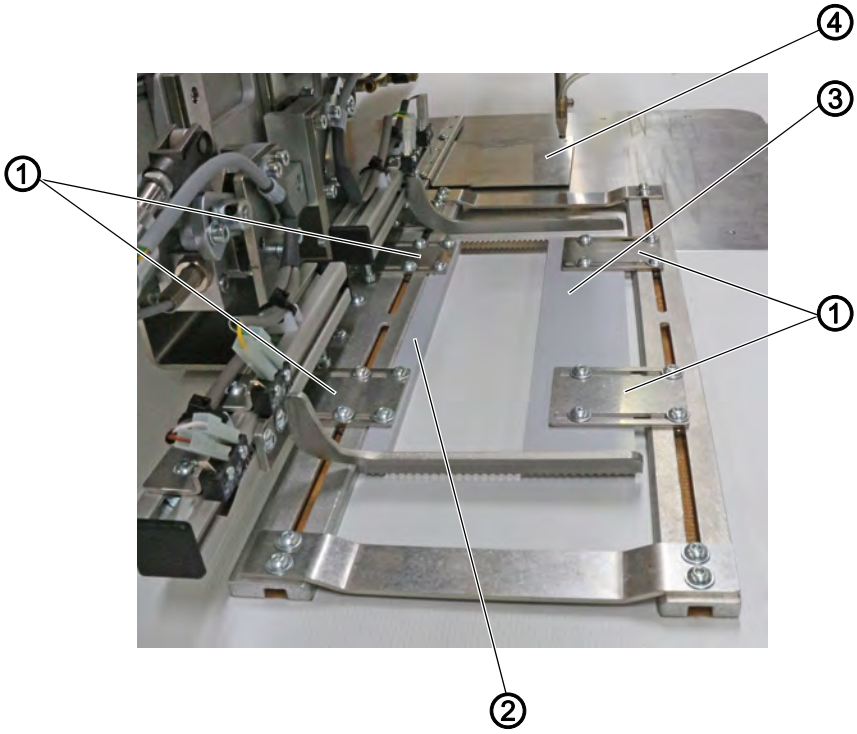
6. Connect the wires of the cable (3) to the socket strip (8) (see **Appendix** 🕮 *p. 12*).

3 Setting the adjustable belt clamp

The belt clamp can be set to different belt widths and - depending on the seam length - to different clamping lever positions.

3.1 Setting the width of the adjustable belt clamp

FIg. 5: Setting the width of the adjustable belt clamp



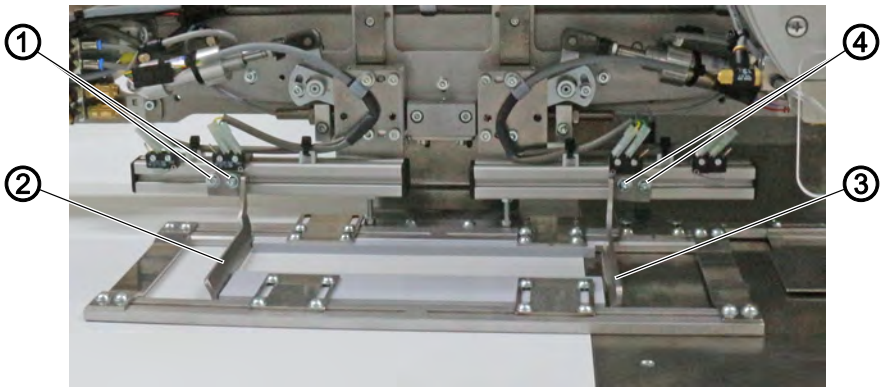
(1) - Clips
(2) - Stop
(3) - Stop
(4) - Support

To set the width of the adjustable belt clamp:

1. To limit the width of the belt, tighten the stops (2) and (3) (10 mm, 20 mm or 40 mm) to the clips (1) using the screws.
2. Adjust the stops (2) and (3) inside the clips (1) using the slotted holes.
3. The support (4) can be assembled on the right or the left as necessary.

3.2 Setting the clamping lever position

Flg. 6: Setting the clamping lever position (1)



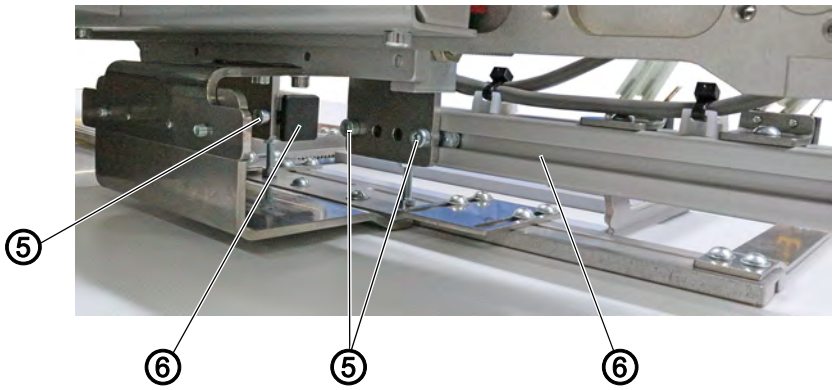
(1) - Screws
(2) - Clamping lever
(3) - Clamping lever
(4) - Screws

To set the clamping lever position:

1. Loosen screws (1) and (4).
2. Set the clamping levers (2) and (3) to the desired position.
3. Shorten the stops if necessary.
4. Tighten screws (1) and (4).

Information

Flg. 7: Setting the clamping lever position (2)



(5) - Screws
(6) - Profiles

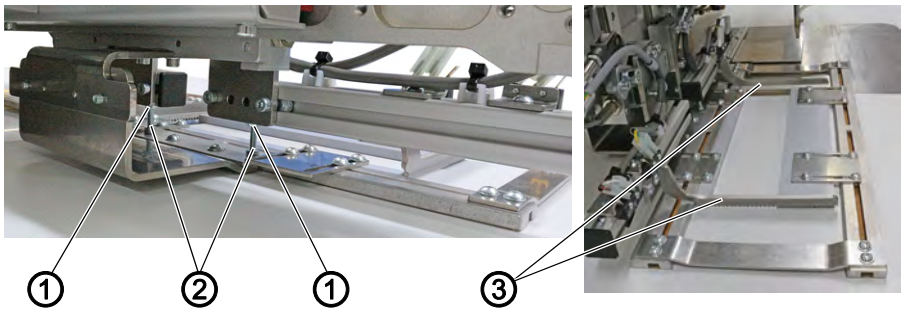
If the adjusting range of the clamping levels relative to the center of the clamp is insufficient, you can vary the position of the profiles (6).

To set the adjusting range of the clamping levers relative to the center of the clamp:

1. Loosen the screws (5).
2. Slide the profiles (6) to the desired length.
3. Tighten the screws (5).

3.3 Setting the height of the clamping levers

Flg. 8: Setting the height of the clamping levers



(1) - Nuts
(2) - Screws
(3) - Clamping lever

Proper setting

The clamping levers clamp the belt in place during sewing. If no sewing material has been inserted, the clamping levers will not touch the tabletop.

To set the height of the clamping levers:

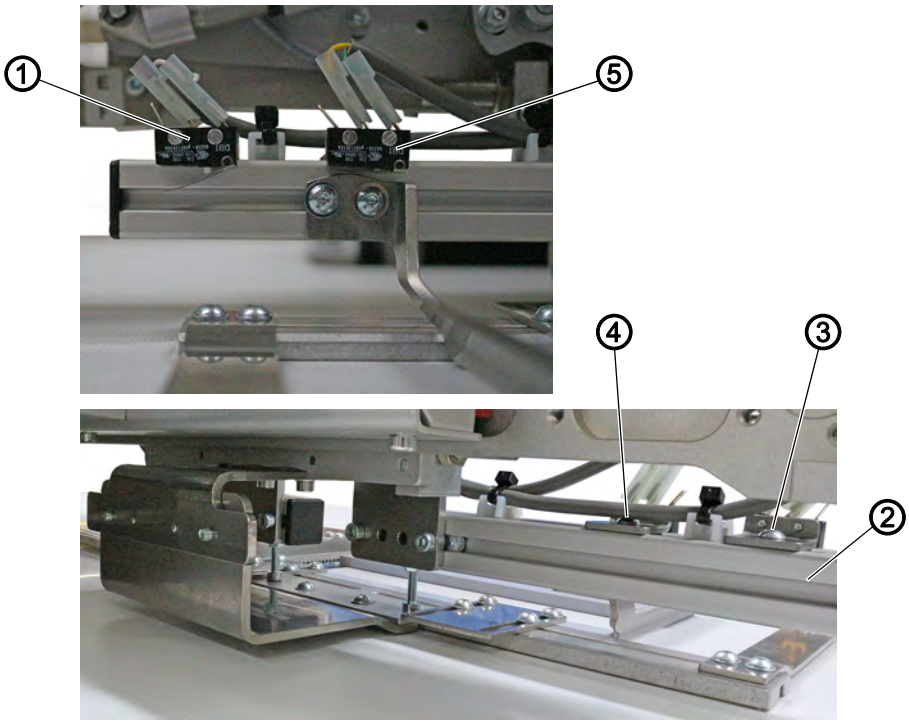
1. Set the screws (2) such that the clamping levers (3) will float above the tabletop at a short distance.
2. Tighten the nuts (1) to lock the setting in place.

3.4 Setting the buttons

The buttons can be set so that they will serve as an additional safety scan. The buttons perform a scan to determine whether the clamping lever position matches the seam program.

It is possible to preset 2 positions on each side of the belt clamp. These positions must be scanned in the corresponding seam program.

Flg. 9: Setting the buttons



(1) - Button
(2) - Strip
(3) - Screw
(4) - Screw
(5) - Button

To set the buttons:

1. Loosen screws (3) or (4).
2. Set the button (1) or (5) on the profile to the position of the clamping lever.
3. Tighten screws (3) or (4).
4. Set the buttons on the other side of the clamp in the same manner.

3.5 Scanning the buttons in the seam program

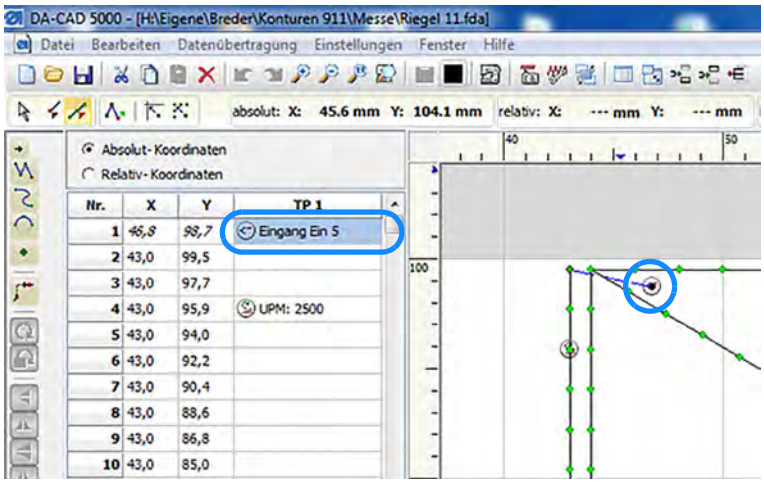
The button sets an input that can be scanned in the seam program.

To scan to determine which button has been assigned to which input:

1. Tap on the menu item *Extras > Service > Multitest* and call up the option *Test inputs/outputs* (see 🕮 *Operating Instructions*, 🕮 *Service Instructions*).
2. Press the desired button.

↳ The OP7000 control panel indicates which input has been assigned to the corresponding button.
For the assignment of the inputs, refer to the **Appendix** (🕮 *p. 12*).

FIg. 10: Scanning the buttons in the seam program



To scan the buttons in the seam program:

1. Open the desired seam program in the DA-CAD 5000 application.
2. Define a brief empty run for the beginning of the seam program.
Make sure the empty run will not collide with the clamping lever position.
3. Add the TP *Scan input* to the empty run.
It is possible to set a second input for the other side of the belt clamp along the same section.

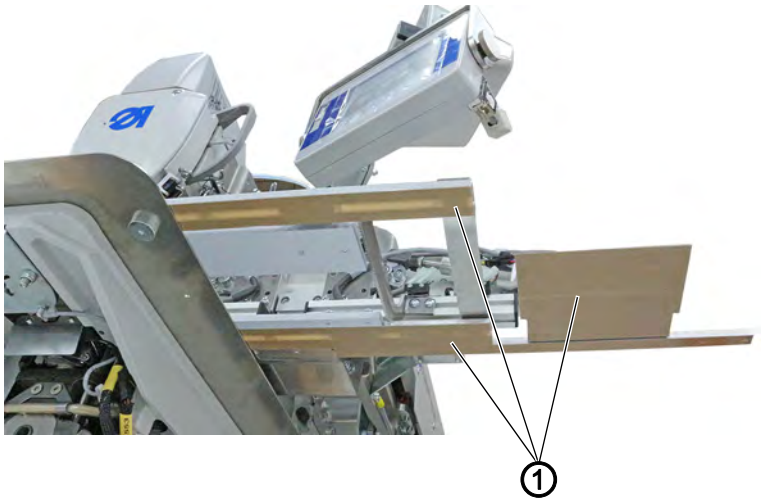
↳ The buttons will be scanned jointly as soon as the seam program is launched.

3.6 Applying film to the adjustable belt clamp

To prevent the tabletop from scratching, apply the film (part number 0699 973927) to the underside of the adjustable belt clamp.

Make sure that the screws do not protrude downward.

Flg. 11: Applying film to the adjustable belt clamp



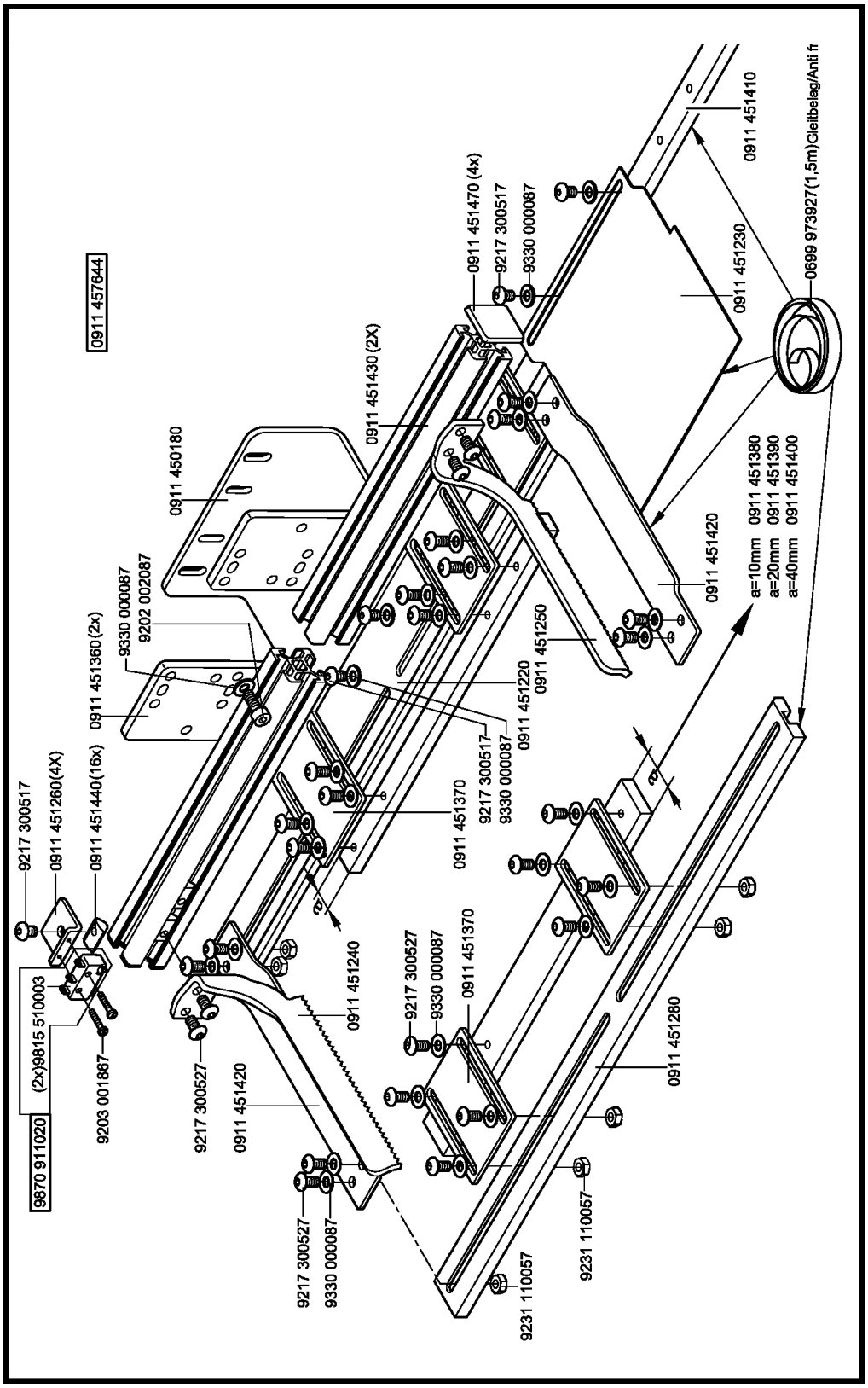
(1) - Film (part number 0699 973927)

To apply the film to the adjustable belt clamp:

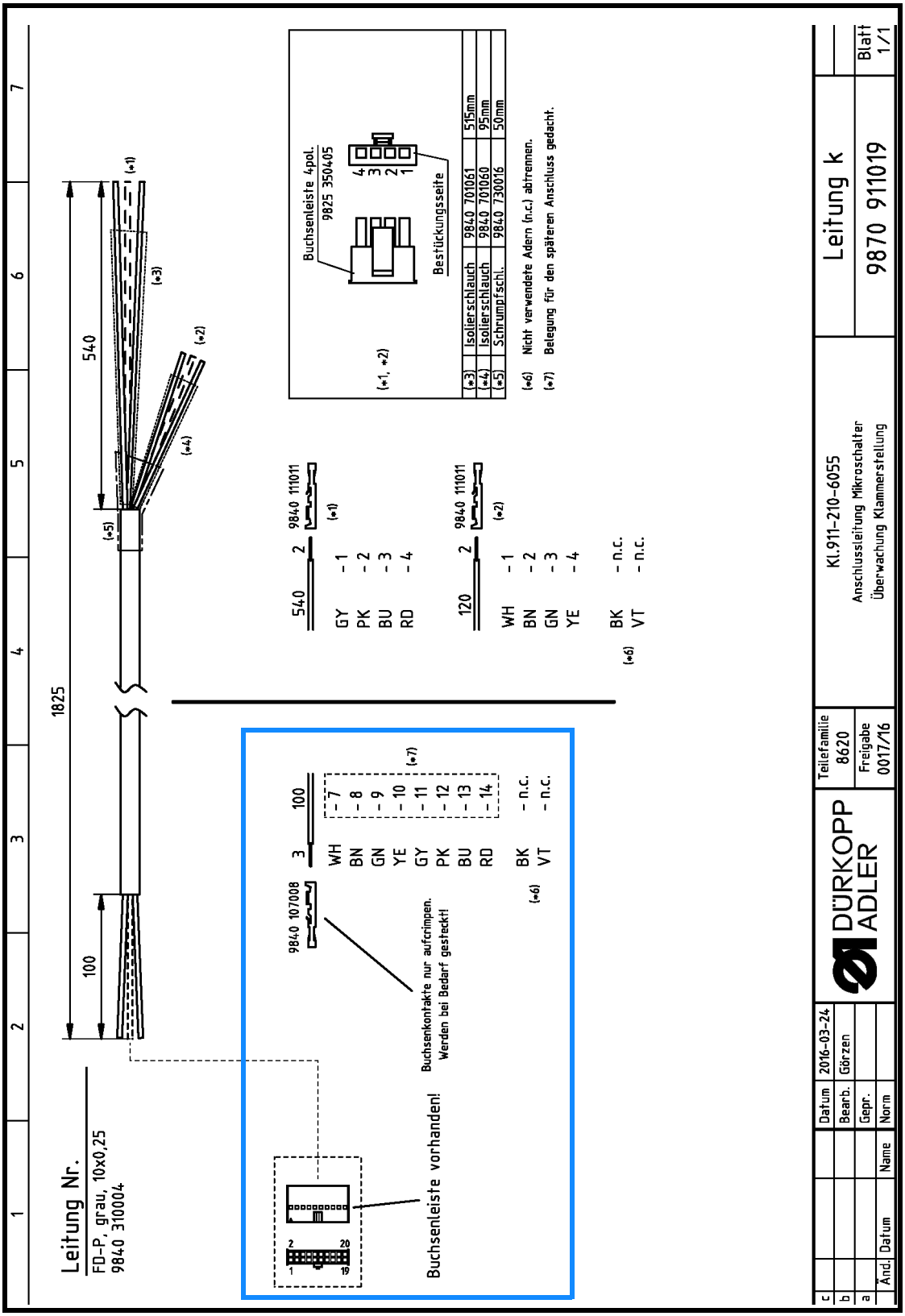
1. Apply the film (1) to the underside of the belt clamp.
2. Use a sharp knife to cut off any protruding film (1) along the edge.

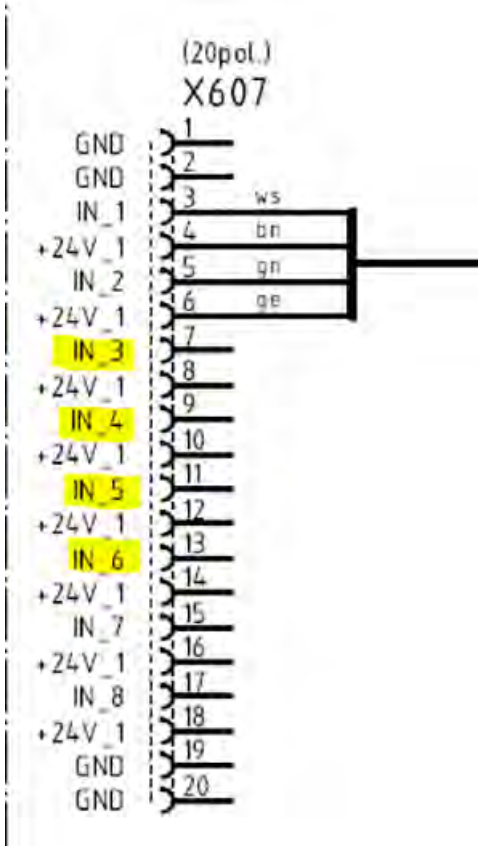
4 Appendix

Assembly of the belt clamp



Connection to the socket strip




(20pol.)
X607
GND
GND
IN_1
+24V_1
IN_2
+24V_1
IN_3
+24V_1
IN_4
+24V_1
IN_5
+24V_1
IN_6
+24V_1
IN_7
+24V_1
IN_8
+24V_1
GND
GND
1
2
3
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DÜRKOPP ADLER AG
Potsdamer Str. 190
33719 Bielefeld
Germany
Phone: +49 (0) 521 925 00
Email: service@duerkopp-adler.com
www.duerkopp-adler.com

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