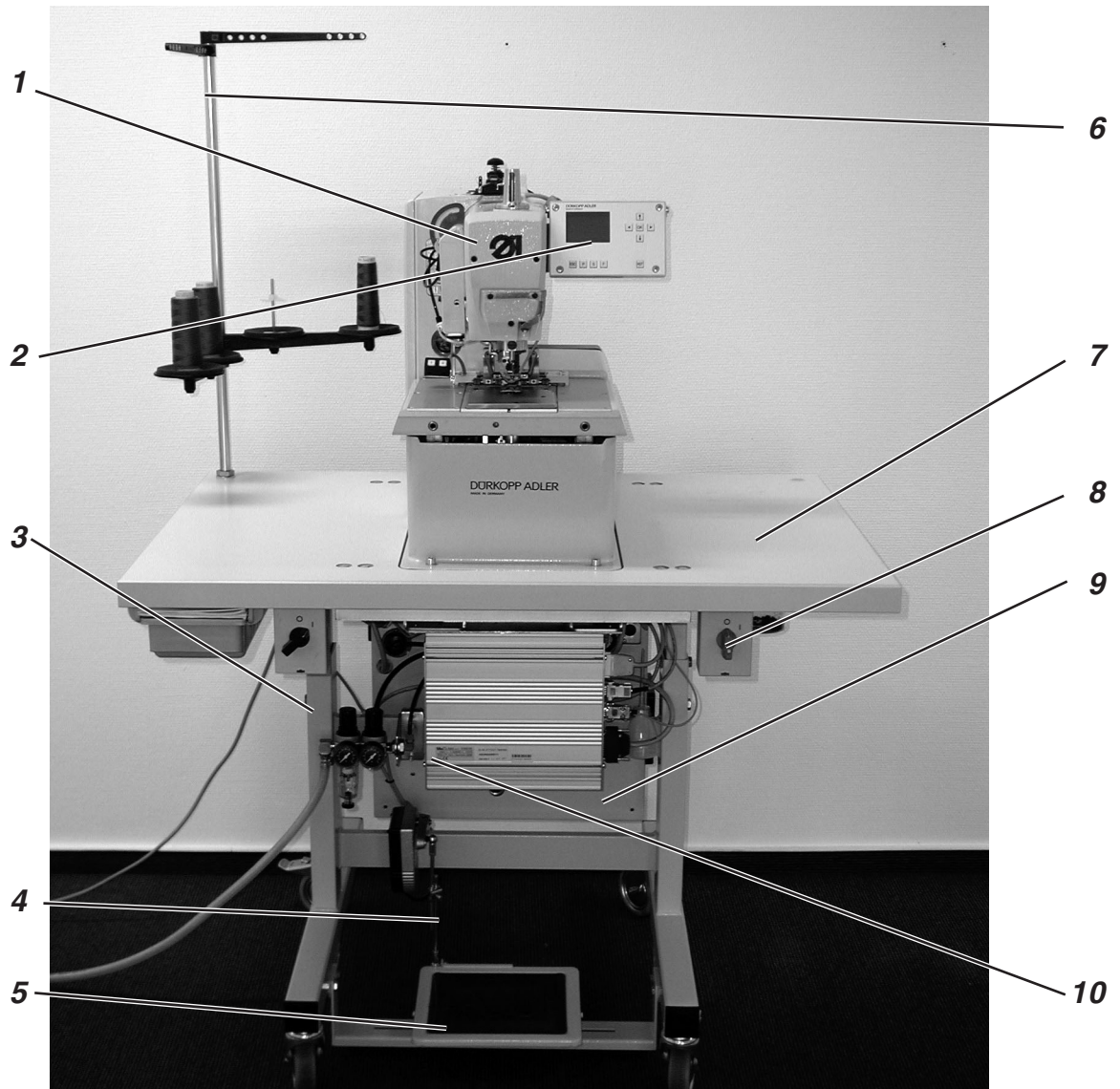


Part 2: Class 579: Installation instructions

1.	Items supplied	3
2.	General and shipping braces	3
3.	Installing the machine	
3.1	Adjusting the working height.	4
3.2	Attaching the yarn stand	4
3.3	aligning and connecting the pedal	5
4.	Electrical connection	6
5.	Pneumatic connection	
5.1	Connecting the maintenance unit.	7
5.2	Setting the operating pressure	7
6.	Lubrication	
6.1	Filling the oil reservoirs.	8
7.	Sewing test	9



1. Items supplied

What items are supplied depends on your order. Prior to installation please check that all the required parts are present.

- 1 head
- 2 operating panel
- 3 stand
- 4 pedal linkage
- 5 pedal
- 6 yarn stand
- 7 table plate
- 8 main switch
- 9 control box
- 10 maintenance unit
- optional extras (depending on the order)
- tools and minor components in the accessory kit

2. General and shipping braces



CAUTION:

The machine must be set up by trained specialist personnel.

All work on the electrical equipment of this special sewing machine may only be carried out by qualified electricians or other appropriately trained persons.

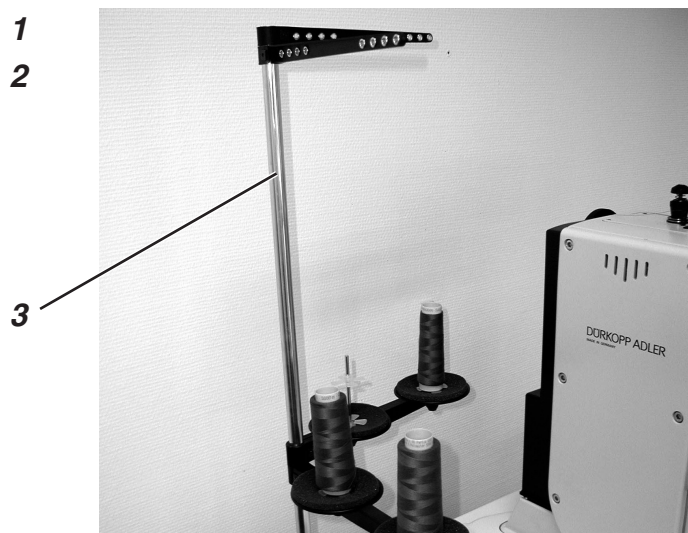
The mains plug must be removed.

Shipping braces

All shipping braces must be removed before the machine is installed.

- Remove safety straps and battens on the machine head, table and stand.

3. Installing the machine

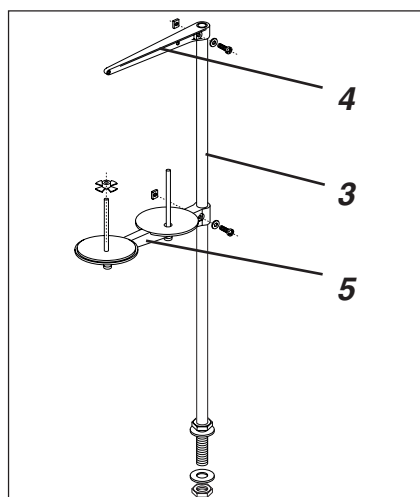
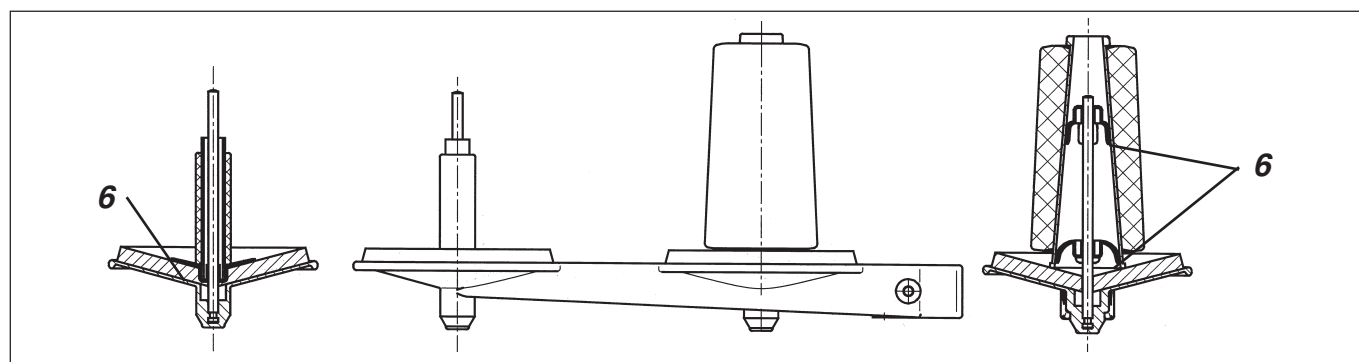


3.1 Adjusting the working height

The working height is continuously adjustable between 85 and 120 cm (measured to the upper edge of the table plate).

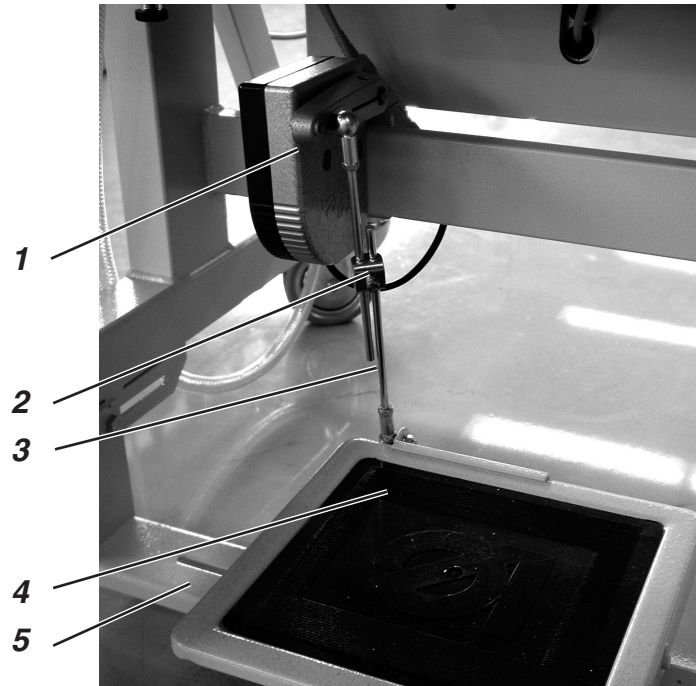
- Undo locking screws 1 and 2 on both sides of the stand.
- Adjust the table of the machine to the required working height.
- Tighten locking screws 1 and 2.

3.2 Attaching the yarn stand



- Insert the reel stand 3 in the hole in the table plate and secure it with the nuts and washers.
- Fit and align the yarn-reel bracket 5 and unwinding arm 3 as shown in the illustration.
NB: the yarn-reel holder and the unwinding arm must be vertically in line.
- Depending on the type of yarn reel the centring piece 6 must be set as shown in the above illustration. Incorrect settings may lead to faults in operation.

3.3 Aligning and connecting the pedal



- Align the pedal 4 laterally on the stand brace 5 so that the middle of the pedal is roughly beneath the needle.
- Screw the pedal 4 firmly to the stand brace.
- Screw the set value initiator 1 firmly to the stand brace.
- Attach the pedal linkage 3 to the set value initiator 1.
- Slightly undo clamping screw 2.
- Adjust the pedal linkage so that when released the pedal 4 is at an angle of about 10°.
- Tighten clamping screw 2.

4. Electrical connection

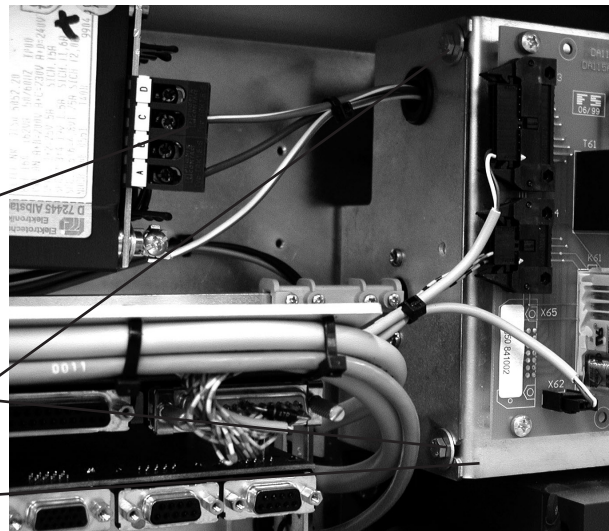


1

2

3

4



CAUTION:

The mains voltage must coincide with the rated voltage specified on the name plate.

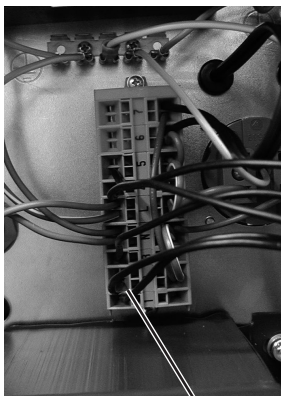
The machine adapts the local mains voltage via connection terminals 1 to 5 and A to D of the transformers in the control box.

Both the transformer terminals are factory-set to a mains voltage of 230 V.

For different mains voltages the terminals must be connected as follows:

Strip terminal 2:

Voltage	blue	brown-and-white
200V	A	B
230V	A	C
240V	A	D



5

On strip terminal 5 the brown-and-white and blue-and-white wire jumpers must be changed. Both connection terminals are given in the table.

Example:

"L-4" means place the wire jumper between terminals L and 4.

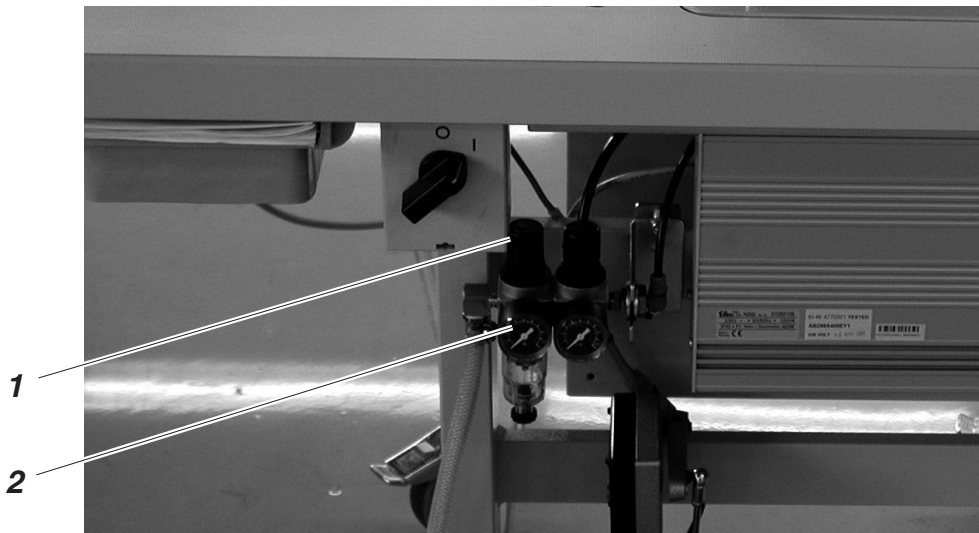
Strip terminal 5:

Voltage	brown-and-white	blue-and-white
190V	L - 4	N - 3
200V	L - 4	N - 2
210V	L - 4	N - 1
220V	L - 5	N - 3
230V	L - 5	N - 2
240V	L - 5	N - 1

- Undo screws 3.
- Carefully remove the cover 4.
- Check the configuration of the connections to the transformer plug strips.
- If necessary change the connections in line with the mains voltage.
- Re-attach the cover 4 with screws 3.

5. Pneumatic connection

5.1 Connecting the maintenance unit



The pneumatic system of the machine and its auxiliary equipment must be supplied with compressed air containing absolutely no water or oil.



CAUTION:

For the pneumatic control processes to function properly the compressed-air supply must be able to provide air at a pressure of 6 ± 0.5 bar.

The compressed-air should be clean (oil-free).

Pneumatic connection pack

A pneumatic connection pack (item no. 0797 003031) is available for frames with compressed-air maintenance units.

It contains the following components:

- 5-metre connection hose ($\varnothing = 9$ mm)
- hose nozzles and ties
- R 1/4" plug-and-socket connector with cover

5.2 Setting the operating pressure

The machine's operating pressure is **6 bar**.

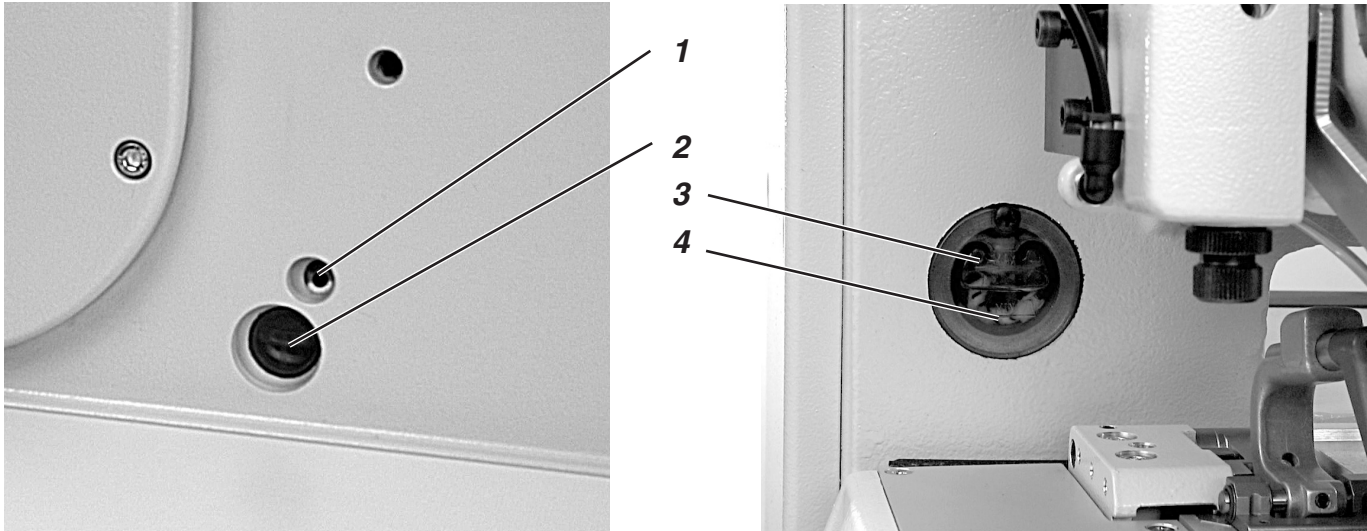
It can be read off at the pressure gauge 2.

- To adjust the operating pressure pull up and rotate the handle 2:

Clockwise = to increase pressure

Anti-clockwise = to decrease pressure.

6. Lubrication



Caution: danger of injury

Oil can cause skin eruptions.
Avoid protracted contact with the skin.
In the event of contact, thoroughly wash the affected area.



CAUTION:

The handling and disposal of mineral oils is subject to legal regulation.
Deliver used oil to an authorised collection point.
Protect your environment. Take care not to spill oil.

Use only **ESSO SP-NK 10** lubricating oil or an equivalent oil of the following specification:

- viscosity at 40°C: 10 mm²/s
- flashpoint: 150° C

This oil is available from **DÜRKOPP ADLER AG** retail outlets under the following part numbers:

- 2-litre container: 9047 000013
- 5-litre container: 9047 000014

6.1 Filling the oil reservoirs

- Top up oil reservoirs 2 and 4 to the “max” mark through filler holes 1 and 3.

7. Sewing test

A sewing test must be carried out when setting-up is complete.

- Insert the mains plug.



Caution: danger of injury

Turn off the main switch.

The needle, looper and gimp threads may only be threaded with the sewing machine switched off.

- Thread the looper thread (see Operating instructions).
- Thread the needle thread (see Operating instructions).
- On subclasses with gimp, thread the gimp thread (see Operating instructions).
- Turn on the main switch.
- Insert the material to be sewn.
- Select a buttonhole shape and begin sewing, initially at low speed (see Operating instructions).
- Gradually increase the speed.
- Check that the buttonhole meets requirements.

If not:

- Alter the thread tension (see Operating instructions).