



174196

174221

174251

174276

174301

ENGLISH

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Read this instruction manual before using and keep them available at all times!

This instruction manual contains information about the installation, operation and maintenance of the device and should be consulted as an important source of information and reference guide.

Awareness of the safety instructions and instructions for use in this manual will ensure the safe and correct use of the device.

In addition to the information given here, you should comply with any local Health and safety Controls and generally applicable safety regulations.

The instruction manual forms part of the product and should be kept near the device and easily accessible for anyone carrying out the installation, servicing, maintenance or cleaning.

Please keep these instructions and give them to future owners of the device.

1. Safety

This device is designed in accordance with the presently applicable technological standards. However, the device can pose a danger if handled improperly and inappropriately.

All persons using the device must follow the recommendations and instructions in this instruction manual.

1.1 Key to symbols

In this manual, symbols are used to highlight important safety instructions and any advice relating to the device. The instructions should be followed very carefully to avoid any risk of accident, personal injury or material damage.



DANGER!

This symbol highlights hazards which could lead to injury.



WARNING!

This symbol highlights dangerous situations which could lead to injury or death.



CAUTION!

This symbol highlights dangerous situations which could lead to light injuries, or damage, malfunction, and/or destruction of the device.



NOTE!

This symbol highlights recommendations and information aimed for effective and trouble-free device operation.

1.2 Safety instructions

- The device is not intended for use by individuals (including children) with physical or mental disabilities, insufficient experience, and/or insufficient knowledge unless such persons are under the care of a person responsible for their safety or have received instructions regarding appropriate use of the device.
- Children should be observed to ensure that they are not playing with or starting the device.
- **Never** leave the device unattended when in use.
- Prevent access of children to the package materials like plastic bags and foamed polystyrene elements. **Suffocation hazard!**
- Only use the device indoors.
- The device may be operated only when it is in good working order and is safe to use. In case of any malfunction, disconnect the device from the power supply (pull the plug from the socket) and call the technical service.

- Only a qualified technician and using original spare parts and accessories should carry out repairs and maintenance of the device. **Do not attempt to repair the device yourself.**
- Do not use any accessory or spare parts that have not been recommended by the manufacturer. These can be dangerous for the user or lead to damages of the device or personal injury, and further, the warranty expires.
- To prevent hazards and to ensure optimum efficiency, no modifications or alterations to the device that are not explicitly approved by the manufacturer may be undertaken.



DANGER! Electric shock hazard!

To avoid the hazard results please follow the safety instructions below.

- Never allow the power cable to come into contact with heat sources or sharp edges. The power cable should not hang over the side of the working surface. Ensure that no one can step on or trip over the cable.
- The power cable must not be folded, bent or tangled, and must always remain fully unrolled. Never place the device or other objects on the power cable.
- Do not cover the cable. Keep away the cable from operating range and do not immerse it into water.
- Check the power cord regularly for damage. Do not use the appliance if the power cord is damaged. If this cable is damaged, it must be replaced by customer service or a qualified electrician in order to avoid dangers.

- The supply cable must be disconnected from the socket only by pulling the plug.
- Never carry or lift the device by the supply cable.
- In any case do not open the device housing. In case of electrical or mechanical modifications the **electric shock hazard** will occur.
- Do not use any acid agents and make sure no water ingresses the device.
- **Never** operate the device with moist hands or standing on wet floor.
- Disconnect the device from the electric power supply.
 - when the device is not used,
 - in case of anomalies during operation,
 - before cleaning.



WARNING! Injury hazard!

To avoid the hazard results please follow the safety instructions below.

- Never put hands between the knife and the pusher handle or the movable slice thickness wall, until it is safely fixed (slice thickness adjustment set to “0”)
- During operation keeps your hands away from the knife in order to avoid cuts and accidents. Use the pusher and carriage handle.
- In order to avoid accidents, always use the pusher handle to push the sliced product to the cut thickness movable wall!

1.3 Proper use

The operational safety of the device is assured only in case of proper use, according to the operation manual.

All technical activities like installation and maintenance must be performed by the qualified service personnel only.

The slicer has been designed to cut sausages only.



CAUTION!

Any use going beyond the intended purpose and/or any different use of the device is forbidden and is not considered as conventional.

Any claims against the manufacturer or his authorized representative as a consequence of experiencing damages resulting from unconventional use are impossible.

The operator is liable for all damages resulting from inappropriate use.

2. General information

2.1 Liability and Warrantees

All the information and instructions in this manual take into account standard safety regulations, current levels of technical engineering as well as the expertise and experience we have developed over the years.

The instruction manual was translated with all due care and attention. However, we do not accept liability for any translation errors. The German version of this instruction manual is definitive.

If the delivery consists of a special model, the actual scope of delivery may differ from the descriptions and illustrations in this manual. This is also the case for special orders or when the device has been modified in line with new technology.



CAUTION!

Read this manual carefully and thoroughly before any operation of the device, and especially before turning it on!

Manufacturer **is not liable** for any damages or faults caused by:

- violation of advice concerning operation and cleaning;
- use other than designed;
- alterations made by user;
- use of inadequate spare parts.

We reserve the right to make technical changes for purposes of developing and improving the useful properties.

2.2 Copyright protection

The instruction manual including any texts, drawings, images or other illustrations is copyright. No part of this publication may be reproduced, transmitted or used in any form or by any means without permission in writing from the manufacturer. Any person who commits any unauthorized act in relation to this publication shall be liable to claims for damages. All rights reserved.



NOTE!

The contents, texts, drawings, pictures and any other illustrations are copyright and subject to other protection rights. Any person unlawfully using this publication is liable to criminal prosecution.

2.3 Declaration of conformity



The device complies with the current standards and directives of the EU. We certify this in the EC declaration of conformity. If required we will be glad to send you the according declaration of conformity.

3. Transport, packaging and storage

3.1 Delivery check

Please check the delivery upon completeness and transport damage immediately after receipt. In case of visible damage do not accept or accept the delivery with reservation only.

Note the extent of damage on the carrier's bill of delivery. Trigger off the complaint.

Hidden damages should be reclaimed immediately after notice, as claims for damages can only be asserted within the effective period for complaints.

3.2 Packaging

Please do not throw away the covering carton of your device as it might be useful for storage purposes, when moving or, in case of damages, when the device must be sent back to a repair center. The outer and inner packing material should be removed completely from the device before installation.



If you liked to dispose the packing, consider the regulations applicable in your country. Supply re-usable packing materials to the recycling.

Please inspect the device upon completeness. In case any part is missing please contact our customer service center immediately.

3.3 Storage

Keep the package closed until installation and under consideration of the outside indicated positioning- and storage markings.

Packages should be stored under consideration of the following:

- do not store outdoors,
- keep it dry and dust-free,
- do not expose it to aggressive media,
- do not expose it to direct sunlight,
- avoid mechanical shocks and vibration,
- in case of longer storage (> 3 months) make sure you check the state of the packaging and the parts regularly, if required refresh or renew.

4. Technical data

4.1 Technical specification

Name	Slicing machines				
Code-No.:	174196	174221	174251	174276	174301
Model:	195 Plus	220 Plus	250 Plus	275 Plus	300 Plus
Material:	Aluminum, organic glass, plastic				
Design:	▪ Oblique slicer / high power slicer ▪ Designed for: sausage ▪ Carriage design: removable (except for Code-No. 174196), 2 handles ▪ Food carriage tray ▪ Slice cutting guide ▪ with sharpener ▪ Solenoid switch ▪ Blade guard: 2-fold ▪ Protection class: IP33 ▪ ON/OFF switch with indicator light ▪ Cable length: 1.4 m				
Power:	0,11 kW	0,13 kW	0,13 kW	0,13 kW	0,2 kW
Power supply:	230 V 50 Hz				
Knife diameter, Ø:	195 mm	220 mm	250 mm	275 mm	300 mm
Knife revolution:	277 rpm	191 rpm	190 rpm	190 rpm	186 rpm
Cut height (mm):	130	135	140	150	175
Cut length (mm):	185	205	195	180	230
Slice thickness (mm)	1–12	1–12	1–12	1–12	1–15
Dimensions (mm):	W 335 D 440 H 340	W 410 D 475 H 360	W 435 D 510 H 385	W 435 D 520 H 385	W 480 D 630 H 461
Weight:	11.2 kg	14.0 kg	14.75 kg	16.85 kg	20.8 kg

We reserve the right to make technical changes!

4.2 Overview of parts

Fig. 1

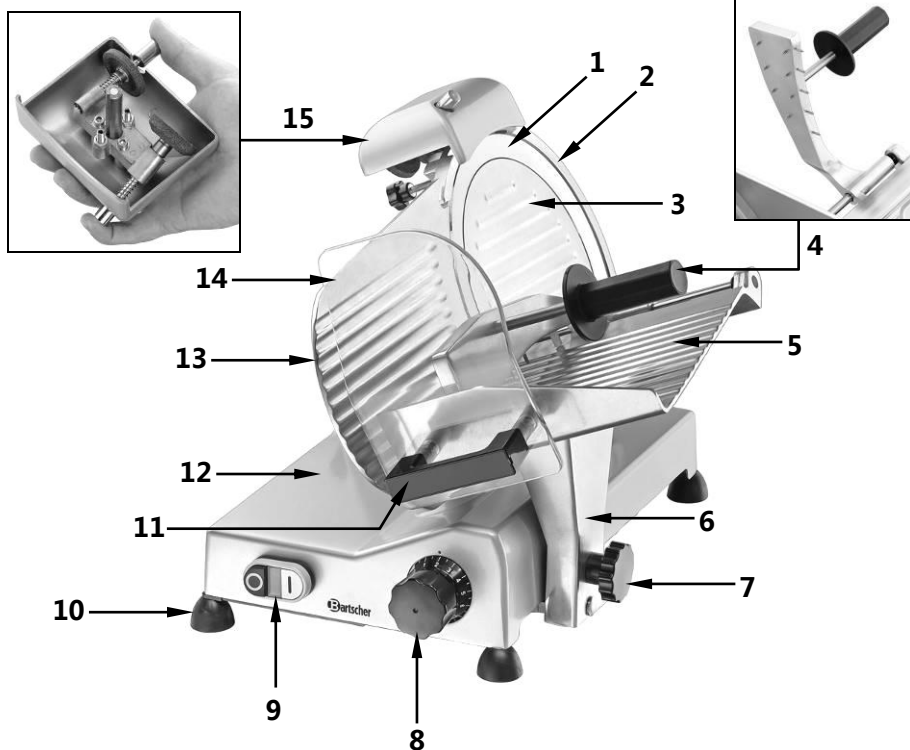
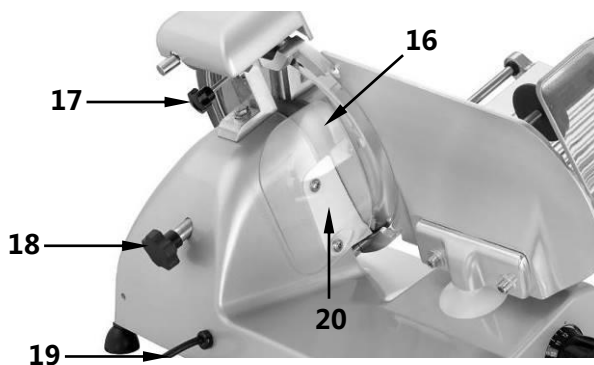


Fig. 2



Description of figures 1 + 2 on page 34

- | | |
|---|--------------------------------------|
| 1 Knife | 11 Protection hand grip |
| 2 Knife protective ring | 12 Slice tray |
| 3 Knife guard | 13 Cut thickness movable wall |
| 4 Pusher handle | 14 Pusher cover |
| 5 Food carriage tray | 15 Sharpener |
| 6 Food carriage | 16 Slice cutting guide |
| 7 Slider adjustment knob (except for model 195 Plus, Code-No.: 174196) | 17 Sharpener fixing screw |
| 8 Slice thickness adjustment | 18 Knife cover fixing screw |
| 9 OFF switch with indicator light | 19 Power cable |
| 10 Feet (4) | 20 Knife protecting device |

4.3 Auxiliary equipment

(not included in the delivery!)



Knife with serrated blade

Material: steel, hard chrome plated

For model:	195 Plus	220 Plus	250 Plus	275 Plus	300 Plus
Diameter:	195 mm	220 mm	250 mm	275 mm	300 mm
Dimensions: [mm]	W 195 D 195 H 13	W 220 D 220 H 15	W 250 D 250 H 18	W 275 D 275 H 22	W 300 D 300 H 23
Weight:	0.64 kg	0.67 kg	1.17 kg	1.47 kg	2.13 kg
Code-No.:	174050	174052	174054	174056	174058



Knife, non-stick coating

Material: stainless steel, teflon-coated

For model:	195 Plus	220 Plus	250 Plus	275 Plus	300 Plus
Diameter:	195 mm	220 mm	250 mm	275 mm	300 mm
Dimensions: [mm]	W 195 D 195 H 13	W 220 D 220 H 15	W 250 D 250 H 18	W 275 D 275 H 22	W 300 D 300 H 23
Weight:	0.64 kg	0.67 kg	1.17 kg	1.47 kg	2.13 kg
Code-No.:	174051	174053	174055	174057	174059

4.4 Éléments de sécurité de l'appareil

Fig. 3



3 Knife cover;

4 Pusher with pusher handle

9 ON-/OFF button

(after power down, the device may be switched on again only by pressing the white **START** button – ON/OFF switch of the device);

14 Hand guard Pusher handle with a grip (11).

Carriage locking device (fig. 4).

(Models 174221, 175251, 174276, 174301 ; model 174196 – non-removable carriage)

The carriage maybe removed only for cleaning, when the slice thickness adjustment is set beyond “0” and the carriage is pulled out towards the slice thickness adjustment.

Fig. 4



At the same time, loosen the carriage adjustment knob. If you cannot fully loosen it, pull the carriage once more towards the carriage adjustment knob until there is an audible click of protection device.

Fully loosen the guide adjustment knob and remove the guide from the device by pulling it up.

Fig. 5



15 Sharpener as the upper knife cover;

There is a magnetic joint on the sharpening machine (a): the device works properly only with the correctly set sharpener.

If you remove a sharpener during the operation, the device will stop. After correctly installing the sharpener again, the device will not start automatically, but must be switched on again using the white **START** button – ON/OFF switch.

5. Installation and operation

5.1 Installation

Positioning

- Unpack the device and remove and utilize the packaging material according to the environmental protection regulations.



CAUTION!

Never remove the rating plate and any warning signs from the device.

- Place the device on top of an even and safe surface which supports the weight of the device and make sure it cannot tilt at any time.
- Place the device at height of approx. 80 cm.
- Not **at any time** should you place the device on an inflammable surface.
- Put the device in a room with maximum 70% moisture level, where the temperature ranges from +5 °C to +32 °C.
- Leave space around the device and keep away from other devices and equipment in order to ensure the correct operations of the slicer.

- Put the slicer in such a way that the person operating it could stand straight and stable in front of the device. The operator has to constantly be able to see the slice adjustment and the off button.
- **Always** keep the workplace clean and tidy.
- Place the device so that the plug is easily accessible so as to quickly disconnect the device if the need arises.

Connection



DANGER! Electric shock hazard!

The device can cause injuries due to improper installation! Before installation and connecting the local power grid specification should be compared with that of the device (see rating plate). Connect the device only in case of compliance!

- The power supply circuit with the socket must be protected by the fuse of at least 16A. Connect the device directly to a single grounded socket. Do not use any power bar or multiple socket.

5.2 Operation

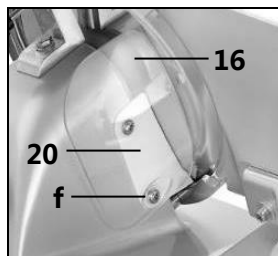


CAUTION!

The device can only be used by a qualified operator who is aware of safety issues mentioned in this manual.

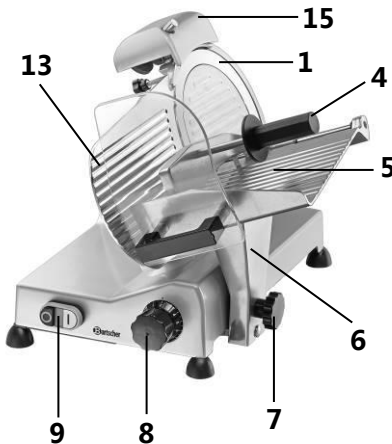
Before use

- Before the first use, clean the device and its accessories thoroughly according to the instructions in section 6 **“Cleaning and maintenance”**.
- Fasten the supplied slice cutting guide (16).
- In order to do so, undo the lower bolt (f) of the knife protecting device (20) preliminary mounted on the rear side of the device with the relevant screw driver.
- Using the undone bolt (f) fasten the slice cutting guide (16) onto the knife protecting device (20).



- Before the start check the following aspects (**fig. 6**):

Fig. 6



- connection of the device to the grounded, single socket;
- firm connection of the carriage (6) with carriage adjustment knob (7);
- carriage movements (6) and no obstacles blocking its movements and no objects on the carriage tray (5) .
- lifting and lowering of the pusher handle (4) without any obstacles;
- hole of the cut thickness movable wall (13) with the slice thickness adjustment (8), rotating it clockwise and counterclockwise;
- correct fixing of the sharpener (15) and possibility of removing it without any problems.

ON-OFF button

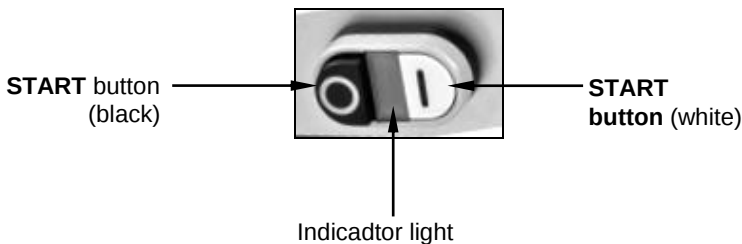


Fig. 7

Device operation (fig. 6, 7)

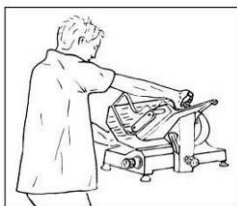
- Connect the device to the single grounded socket.
- Switch the device on by pressing the white **START** button of the **ON/OFF** switch of the device (9). An indicator light comes and flashes during the operation of the device. Leave the device on for **2 - 3 minutes (without cutting any products)** in order to make sure it operates correctly. **Switch the device off again by pressing black STOP button of the ON/OFF switch of the device.**
- Set the slice thickness adjustment (8) in position "0".
- Lift the pusher handle (4) and put the sliced product on the food carriage tray (5) so that it will be located between the movable slice thickness wall (13) and the pusher handle (4)



WARNING! Injury hazard!

In order to avoid accidents, always use the pusher handle (4) to push the sliced product to the cut thickness movable wall (13)!

- Adjust **slice thickness**: turn the slice thickness adjustment (8) counterclockwise until it reaches the desired position.
- In order to avoid an accident assume correct stance at the slicer (**fig. 8**). Put right hand on the pusher handle, left next to the slice tray (12) so as not to touch the knife; the body is to be vertical in reference to the workplace.



Correct stance



Incorrect stance

Fig. 8



WARNING! Injury hazard!

Never assume a position when hands, fingers or other parts of the body might come into contact with the knife!

- Turn the device on by pressing the **START** button (9).
- Slowly and uniformly move the carriage (6) towards the knife (1), using the pusher handle (4).
- The best slicing results are obtained when the pusher handle (4) is slightly pushed towards the cut thickness movable wall (13).
- The sliced product comes into contact with the knife (1); the slice falls on a tray (12) positioned behind the movable slice thickness wall (13).

- Do not remove the pusher handle (4) unless the sliced food is of unusual size or shape.
- After cutting the carriage (6) is to be put into initial position and the slice thickness adjustment (8) should be set to „0“ position.
- Turn the device off by pressing the **STOP** button (9). **Do not allow the device to run idle.**
- You can now remove the sliced products from the slice tray.



WARNING! Possible cuts danger!

Never operate the device with wet or moist hands.

Never put hands between the knife (1) and the pusher handle (4) or the movable slice thickness wall (13), until it is safely fixed slice thickness adjustment (8) set to “0”.

During operation keeps your hands away from the knife in order to avoid cuts and accidents. Use the pusher (4) and carriage handle.



CAUTION!

Never use the device for more than 15 minutes in order to avoid overheating of the engine. After a short break the device can be turned on and used again.



NOTE!

If the engine stops working (jammed) while cutting dry products (i.e. bread), the carriage has to be moved back in order to avoid engine overheating; the cutting operation can be resumed afterwards.

Knife sharpening

- If the surface of sliced product becomes frayed or coarse and the cutting operations become cumbersome, the knife is to be sharpened.
- Pull the plug from the socket and before sharpening clean the knife edges with use of alcohol in order to degrease it.

- Loosen the fixing screw (a) of the sharpener (15) on the back side of the device (fig. 9).
- Remove the sharpener (15) and turn it by 180°.

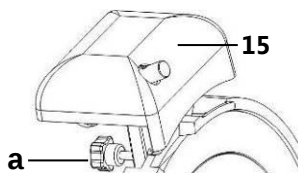


Fig. 9

- Put the sharpener (15) into the special rail and tighten the fixing screw (a) again.
- Make sure that the surface of the sharpener is close to the edge of the knife. Correct the positioning if required.
- Connect the device to the grounded single socket and start it with use of white **START** button.

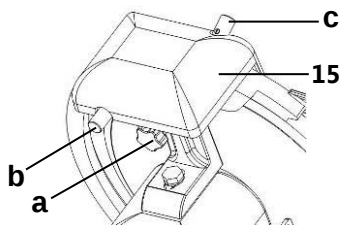


Fig. 10

- Hold the depressed button (b, fig. 10) of the sharpener on the back of the sharpener (1) and leave the device turned on for approx. 60 seconds, until the burr appears on the knife.
- Then hold button (c) in the front and button (b) on the back of the sharpener simultaneously for approx. 3 - 4 seconds to sharpen the knife and remove the burr. Release both buttons simultaneously.



CAUTION!

Do not exceed the above mentioned sharpening time of 3 - 4 seconds so as not to cause the so called "zero grind".

- Switch the device off by pressing the black **STOP** button (9) and check whether the knife is properly sharpened. Continue until desired grind is reached.



WARNING! Possible cuts danger!

Knife is very sharp. When checking the grind, be extremely careful. Always use cut resistant safety gloves conforming to DIN EN 388 standard (class 5)!

- After sharpening clean the knife and sharpener elements. In order to ensure it will operate correctly, keep the sharpener in a good condition. Follow instructions in **section 6 “Cleaning and maintenance”**.
- Put the sharpener back to its initial position. Follow the installation instruction in reverse order.



CAUTION!

In order to keep the knife in the optimum condition and maintain safety it should be replaced, when its height is reduced by approx. 5 - 7 mm. During work, always use cut resistant safety gloves conforming to DIN EN 388 standard (class 5) !

6. Cleaning and maintenance



WARNING

Disconnect the device from the power supply (unplug!) before cleaning.

**Never clean the device with any kind of pressure water jets!
Make sure that no water gets into the device.**



CAUTION!

Never use the dishwashing machine for cleaning the removable elements



CAUTION!

During the maintenance and cleaning (after removal of protective devices), carefully check the device for any hazards. Before the maintenance work, pull the plug from the socket and make sure that slice thickness adjustment is set to “0”.

- Clean the device every day or more frequently when required.
- **Unplug the device before cleaning operation (remove the plug!) and check whether the slice thickness adjustment (8) is set to “0”.**

- Move the carriage (6) towards the slice thickness adjustment (8) (**fig. 10**).
- The elements having contact with food products should be cleaned especially thoroughly with use of **neutral cleaning agent**.
- Clean the device, following the instructions for the individual subassemblies below:

Carriage and pusher handle

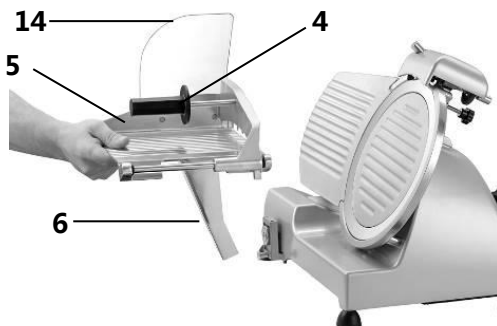


Fig. 11

- In order to clean it, remove the carriage (6) from the device.
- The carriage may be removed only when the slice thickness adjustment is set beyond “0” position and the carriage is pulled out towards the slice thickness adjustment.
- At the same time, loosen the carriage adjustment knob. If you cannot fully loosen it, pull the carriage once more towards the carriage adjustment knob until there is an audible click of protection device.
- Fully loosen the guide adjustment knob and remove the guide from the device by pulling it up.

WARNING Model 174196 has no carriage adjustment. The carriage is **non-removable**.

- Wash the carriage (6) with cover (14), pusher (4) and carriage tray (5) using warm water, soft cloth and a neutral cleaning agent. Rinse with clean water to remove the cleaning agent residuals.
- Dry the cleaned parts thoroughly before mounting them again.

Knife and knife cover



WARNING! Possible cuts danger!

The knife is very sharp, under no circumstances one may touch knife blade with bare hands! Wear use cut resistant safety gloves conforming to DIN EN 388 standard (class 5) during knife cleaning in order to avoid possible cuts.

- Remove the sharpener from the device. (Fig. 9).
- In order to remove the knife cover (3) for cleaning loosen the fixing screw (d) on the back side of the device (fig. 12) and push it towards the knife cover. Remove the knife cover.

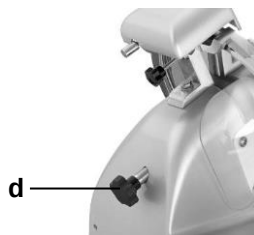


Fig. 12

- In order to remove the knife loosen three adjustment screws (e) with use of appropriate screwdriver (fig. 13) and carefully take the knife away.
- Wash the knife cover (3) and knife (1) with warm water and neutral cleaning agent. Use the sponge, supplied cleaning brush or soft cloth. Rinse in clean water.

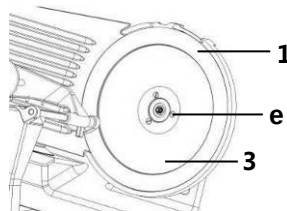


Fig. 13

- Wash the knife protective ring (2) in warm water and small amount of cleaning agent. Wipe additionally with clear water. Leave the washed parts for drying or wipe them with dry cloth.
- After cleaning, install the knife in the device again (1) with the use of three adjustment screws (e), knife guard (3) with the use of screw (d), while maintaining the correct stance.

Knife protecting device and slice cutting guide (fig. 14)

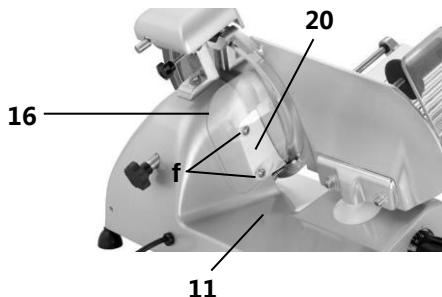


Fig. 14

- Undo the bottom bolt (f) of the knife protecting device (20) on the rear wall of the device. Remove the slice cutting guide (16). Undo the top bolt (f) and remove the knife protecting device (20) for cleaning.
- Wash the protective device (g) in warm water with neutral cleaning agent. Wipe additionally with clear water.

Slice tray and housing (Fig. 14)

- Wash the slice tray (11) and housing with use of moist, soft cloth and the neutral cleaning agent.
- Dry completely after cleaning.
- Finally, re-fasten the knife protecting device (20) to the device using the bolts (f), and then the slice cutting guide (16).

Sharpener (fig. 15)

- Remove the entire sharpener unit from the device (fig. 9).
- After sharpening clean the sharpener elements (g) with the cleaning brush soaked in alcohol.

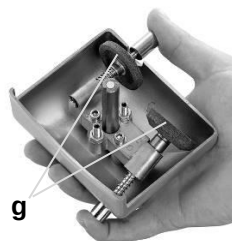


Fig. 15



CAUTION!

Never use the dishwashing machine for cleaning the removable elements.

- Never use chemical or corrosive cleaning agents.
- In order to avoid rust **never** clean the device with AkoPads or similar, or the wire washcloth.
- Always use a soft cloth and never use coarse cleaning agents that could damage or scratch the surface of the device.

Maintenance

Regular greasing

- Regularly grease the carriage with a food-grade machine grease. Put the slicer on its side and apply a small amount of machine grease on both ends of the carriage axle (i) (**fig. 16**). Move the carriage forward and backward in order to distribute the grease evenly. Remove the excess grease with a cloth.

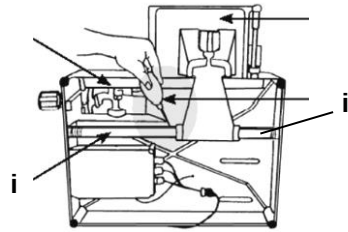


Fig. 16

7. Possible Malfunctions

In case of malfunction, disconnect the device from its power source. Before contacting the service or sales agent, verify - based on the table below - whether it is possible to eliminate disruption in operation.

Problem	Cause	Solution
The knife does not cut or the slices are fuzzy and/or irregular.	• Knife is not sharp • Knife is excessively worn	• Sharpen the knife (5.2 Operation) • Replace the knife
Knife sharpening is not satisfactory	• Sharpener elements are worn	• Replace the sharpener elements
The sharpener does not work	• Incorrect position • Sharpener elements are dirty	• Install the sharpener correctly (5.2 Operation) • Clean the sharpener elements
The carriage moves incorrectly	• Carriage axle not greased enough	• Grease the carriage axle
The engine does not work.	• The sharpener is not properly mounted in the handle	• Check the mounting of the handle.

If you cannot remove the malfunctions:

- do not open the body,
- notify the customer service point or contact the sales agent, while providing the following information:
 - type of malfunction;
 - article and serial number (rating plate at the rear of the device);
 - date of purchase.

8. Waste disposal

Old devices



The electric devices are marked with this symbol. You must not dispose of electric devices with household waste. When the device may not be longer used each consumer is obliged to dispose of the device at the dedicated local collection point, separately from household waste.



NOTE!

Electric devices should be used and disposed of properly to prevent the impact on the environment.

- Disconnect the device from the power supply and remove the power cord from the device.

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