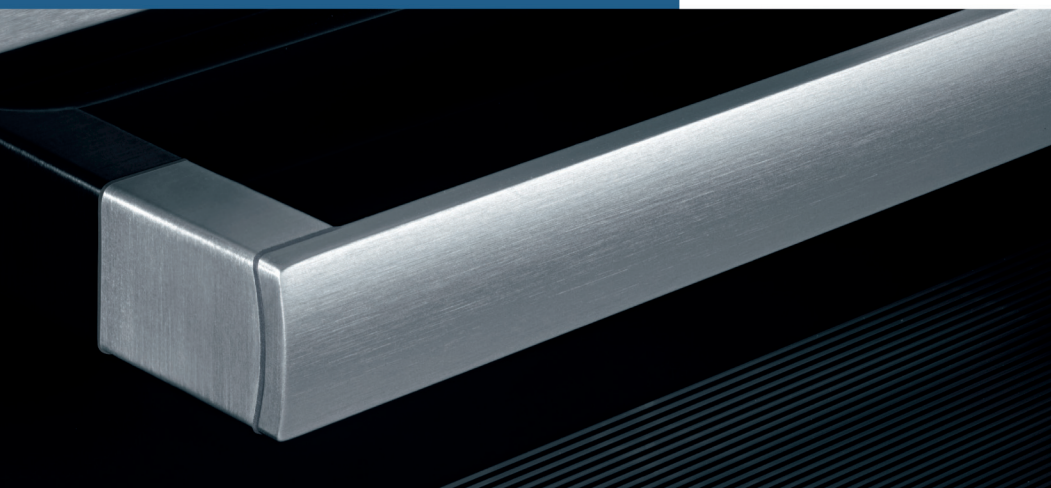


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**Built-in oven**  
**HBN331.6B**



**BOSCH**

en Instruction manual



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Additional information on products, accessories, replacement parts and services can be found at [www.bosch-home.com](http://www.bosch-home.com) and in the online shop [www.bosch-eshop.com](http://www.bosch-eshop.com)

## Important safety information

Read these instructions carefully. Only then will you be able to operate your appliance safely and correctly. Retain the instruction manual and installation instructions for future use or for subsequent owners.

This appliance is only intended to be fully fitted in a kitchen. Observe the special installation instructions.

Check the appliance for damage after unpacking it. Do not connect the appliance if it has been damaged in transport.

Only a licensed professional may connect appliances without plugs. Damage caused by incorrect connection is not covered under warranty.

This appliance is intended for domestic use only. The appliance must only be used for the preparation of food and drink. The appliance must be supervised during operation. Only use this appliance indoors.

This appliance is intended for use up to a maximum height of 2000 metres above sea level.

This appliance may be used by children over the age of 8 years old and by persons with reduced physical, sensory or mental capabilities or by persons with a lack of experience or knowledge if they are supervised or are instructed by a person responsible for their safety how to use the appliance safely and have understood the associated hazards.

Children must not play with, on, or around the appliance. Children must not clean the appliance or carry out general maintenance unless they are at least 8 years old and are being supervised.

Keep children below the age of 8 years old at a safe distance from the appliance and power cable.

Always slide accessories into the cooking compartment correctly. See *"Description of accessories"* in the instruction manual.

### **Risk of fire!**

- Combustible items stored in the cooking compartment may catch fire. Never store combustible items in the cooking compartment. Never open the appliance door if there is smoke inside. Switch off the appliance and unplug it from the mains or switch off the circuit breaker in the fuse box.
- A draught is created when the appliance door is opened. Greaseproof paper may come into contact with the heating element and catch fire. Do not place greaseproof paper loosely over accessories during preheating. Always weight down the greaseproof paper with a dish or a baking tin. Only cover the surface required with greaseproof paper. Greaseproof paper must not protrude over the accessories.

### **Risk of burns!**

- The appliance becomes very hot. Never touch the interior surfaces of the cooking compartment or the heating elements. Always allow the appliance to cool down. Keep children at a safe distance.
- Accessories and ovenware become very hot. Always use oven gloves to remove accessories or ovenware from the cooking compartment.
- Alcoholic vapours may catch fire in the hot cooking compartment. Never prepare food containing large quantities of drinks with a high alcohol content. Only use small quantities of drinks with a high alcohol content. Open the appliance door with care.

### **Risk of scalding!**

- The accessible parts become hot during operation. Never touch the hot parts. Keep children at a safe distance.
- When you open the appliance door, hot steam may escape. Open the appliance door with care. Keep children at a safe distance.
- Water in a hot cooking compartment may create hot steam. Never pour water into the hot cooking compartment.

### **Risk of injury!**

Scratched glass in the appliance door may develop into a crack. Do not use a glass scraper, sharp or abrasive cleaning aids or detergents.

### **Risk of electric shock!**

- Incorrect repairs are dangerous. Repairs may only be carried out by one of our trained after-sales engineers. If the appliance is faulty, unplug the mains plug or switch off the fuse in the fuse box. Contact the after-sales service.
- The cable insulation on electrical appliances may melt when touching hot parts of the appliance. Never bring electrical appliance cables into contact with hot parts of the appliance.
- Do not use any high-pressure cleaners or steam cleaners, which can result in an electric shock.
- When replacing the cooking compartment bulb, the bulb socket contacts are live. Before replacing the bulb, unplug the appliance from the mains or switch off the circuit breaker in the fuse box.
- A defective appliance may cause electric shock. Never switch on a defective appliance. Unplug the appliance from the mains or switch off the circuit breaker in the fuse box. Contact the after-sales service.

### **Causes of damage**

#### **Caution!**

- Accessories, foil, greaseproof paper or ovenware on the cooking compartment floor: do not place accessories on the cooking compartment floor. Do not cover the cooking compartment floor with any sort of foil or greaseproof paper. Do not place ovenware on the cooking compartment floor if a temperature of over 50 °C has been set. This will cause heat to accumulate. The baking and roasting times will no longer be correct and the enamel will be damaged.
- Water in a hot cooking compartment: do not pour water into the cooking compartment when it is hot. This will cause steam. The temperature change can cause damage to the enamel.
- Moist food: do not store moist food in the cooking compartment when it is closed for prolonged periods. This will damage the enamel.
- Fruit juice: when baking particularly juicy fruit pies, do not pack the baking tray too generously. Fruit juice dripping from the baking tray leaves stains that cannot be removed. If possible, use the deeper universal pan.
- Cooling with the appliance door open: only allow the cooking compartment to cool when it is closed. Even if the appliance door is only open a little, front panels of adjacent units could be damaged over time.



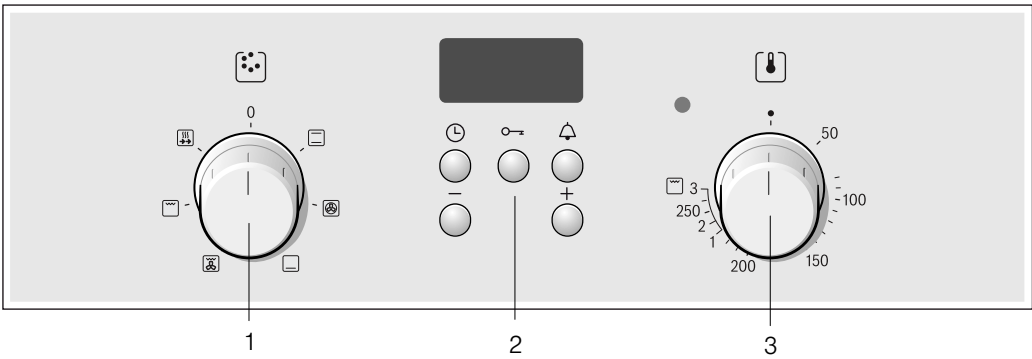
- Very dirty door seal: If the door seal is very dirty, the appliance door will no longer close properly when the appliance is in use. The fronts of adjacent units could be damaged. Always keep the door seal clean.
- Appliance door as a seat, shelf or worktop: Do not sit on the appliance door, or place or hang anything on it. Do not place any cookware or accessories on the appliance door.
- Inserting accessories: depending on the appliance model, accessories can scratch the door panel when closing the appliance door. Always insert the accessories into the cooking compartment as far as they will go.
- Carrying the appliance: do not carry or hold the appliance by the door handle. The door handle cannot support the weight of the appliance and could break.

# Your new oven

Here you will learn about your new oven. The control panel and the individual operating controls are explained. You will find information on the cooking compartment and the accessories.

## Control panel

Here you can see an overview of the control panel. The design depends on the respective appliance model.






Explanations	
1	Function selector
2	Operating switches and display panel
3	Temperature selector




## Function selector

With the function selector knob you can set the heating mode for the oven. The function selector knob can be rotated to the right or to the left.

When the required type of heating is set, the oven light lights up.

Positions	Function
0 Off	The oven is switched off.
 Top/bottom heating	Baking, roasting or grilling is possible on a single level only. This setting is well-suited for cakes and pizza in tins or on the baking tray, and for lean joints of beef, veal and game. Heat is emitted evenly from the top and bottom.
 3D hot air*	You can bake cakes, pizza, biscuits, small cakes and puff pastry on two levels at the same time.  A fan with a ring heating element on the back panel of the oven ensures that the heated air is distributed evenly.
 Bottom heating	Use bottom heating for baking and browning dishes from below. The temperature is emitted from below.








\* Type of heating in accordance with energy efficiency class EN50304.

Positions	Function
 Hot air grilling	Hot air grilling is particularly suitable for grilling fish, poultry and larger pieces of meat. The grill element and fan switch on and off alternately. The fan distributes the heated air around the food.
 Radiant grilling, large area	Can be used to grill a large number of beef steaks, sausages and fish, or to toast bread. The whole area below the grill heating element becomes hot.
 Rapid heating	For rapidly heating dishes.

\* Type of heating in accordance with energy efficiency class EN50304.


## Buttons and Displays

The buttons can be used to set additional functions. The set values can be read from the displays.

Button	Function
 Clock button	Use this button to set the time,  Cooking time, and  End time.
 Key button	Use this button to switch the child-proof lock on or off.
 Timer button	Use this button to set the timer.
 Minus button	Use this button to adjust the setting values downwards.
 Plus button	Use this button to adjust the setting values upwards.


## Temperature selector

Use the temperature selector to set the temperature and the grill setting.

Positions		Function
•	Off	Oven not hot.
50-270	Temperature range	Temperature in °C
1, 2, 3	Grill settings	The grill settings for "Grill, large  area". Setting 1 = low Setting 2 = medium Setting 3 = high

The small light above the temperature selector is lit when the oven is heating. It goes out during pauses in the heating. For some settings, it does not light up.

### Grill settings

With  Radiant grilling, use the temperature selector to set a grill setting.

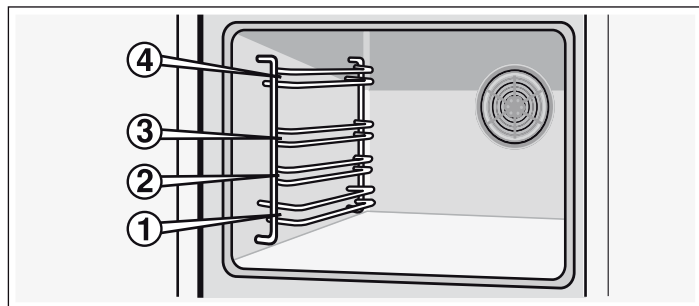
## Your accessories

The accessories supplied with your appliance are suitable for making many meals. Ensure that you always insert the accessories into the cooking compartment the right way round.

There is also a selection of optional accessories, with which you can improve on some of your favourite dishes, or simply to make working with your oven more convenient.

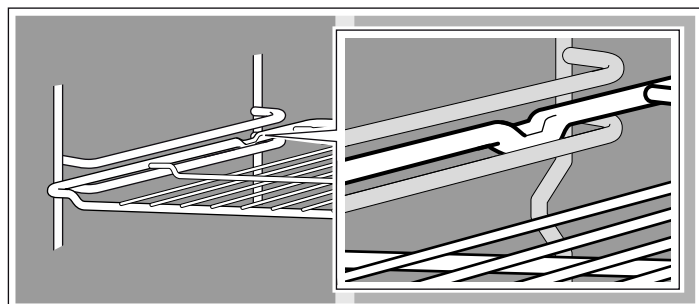
### Inserting the accessories

The accessories can be inserted in the oven at 4 different levels. Always insert the accessories as far as they can go to ensure that they do not touch the door glass.



When the accessories are pulled approximately halfway out, they lock into position. This allows meals to be taken out easily.

When placing the accessories in the oven, check that the indentation is at the back. They can only lock correctly in place in this position.



**Note:** Heat may cause the accessories to deform. As soon as the accessories cool down, they regain their original shape. Their function is not impaired.

## Cooking compartment

The oven light is located in the cooking compartment. A cooling fan protects the oven from overheating.

### Oven light

During oven operation, the oven light is on. By turning the function selector to any position, the oven light can also be switched on without the oven heating up.

### Cooling fan

The cooling fan switches on and off as required. The hot air escapes above the door.

So that the cooking compartment cools down more quickly after operation, the cooling fan continues to run for a certain period afterwards.

### Caution!

do not cover the ventilation slots. Otherwise the oven will overheat.


Hold the baking tray securely on the sides with both hands and push it parallel into the frame. Avoid movements to the right or left when pushing the baking tray in. Otherwise, it will be difficult to push the tray in and the enamelled surfaces could be damaged.

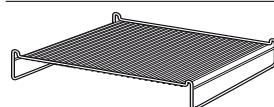
You can buy accessories from the after-sales service, from specialist retailers or online. Please specify the HEZ number.



### Wire rack

For ovenware, cake tins, joints, grilled items and frozen meals.

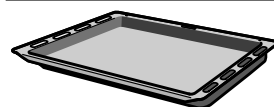
Insert the wire rack with the open side facing the oven door and the curvature pointing downwards .



### Insert grid

For roasting.

Place the wire insert in the universal pan with the legs facing downwards. This ensures that dripping fat and meat juices are collected.



### Universal pan

For moist cakes, pastries, frozen meals and large roasts. It can also be used to catch dripping fat when you are grilling directly on the wire rack.

Slide in the universal pan with the sloping edge facing the oven door.

## Optional accessories

You can buy optional accessories from your after-sales service or from specialist retailers. You will find a variety of suitable products for your oven in our brochures and on the Internet. The availability of optional accessories and the options for ordering them on the internet vary depending on the country.

Information regarding this can be found in the sales documents.

Not every optional accessory is suitable for every appliance. When purchasing, always quote the complete identification number (E no.) of your appliance.

Optional accessories	HEZ number	Function
Wire rack	HEZ 434000	For ovenware, cake tins, roasts, grilling and frozen meals.
Aluminium baking tray	HEZ 430001	For cakes and biscuits. Place the baking tray in the oven with the sloping edge towards the oven door.
Enamel baking tray	HEZ 431001	For cakes and biscuits. Place the baking tray in the oven with the sloping edge towards the oven door.
Universal pan	HEZ 432001	For moist cakes, pastries, frozen meals and large roasts. Can also be used under the wire rack to catch fat or meat juices. Place the universal pan in the oven with the sloping edge towards the oven door.

### Oven door - Additional safety precautions

During long cooking times, the oven door may become very hot.


If you have small children, extra supervision is required during oven operation.



In addition, there is a safety device which prevents direct contact with the oven door. This optional accessory (440651) is available from the after-sales service.

## Before using the oven for the first time


In this section, you can find out what you must do before using your oven to prepare food for the first time. First read the section on *Safety information*.

### Setting the clock


After the oven has been connected, the  symbol and three zeros light up in the display. Set the clock.

1. Press the  button.  
The time 12:00 appears in the display and the  symbol flashes.
2. Use the + or - button to change the clock.  
After a few seconds, the time that has been set is adopted.

### Heating up the oven

To remove the new cooker smell, heat up the oven when it is empty and closed. An hour of Top/bottom heating  at 240 °C is ideal for this purpose. Ensure that no packaging remnants have been left in the cooking compartment.

Keep the kitchen ventilated the whole time the oven is on.

1. Use the function selector to set Top/bottom heating .
2. Set the temperature selector to 240 °C.

After an hour, switch off the oven. To do so, turn the function selector to the off position.

### Cleaning the accessories

Before you use the accessories for the first time, clean them thoroughly with hot soapy water and a soft dish cloth.

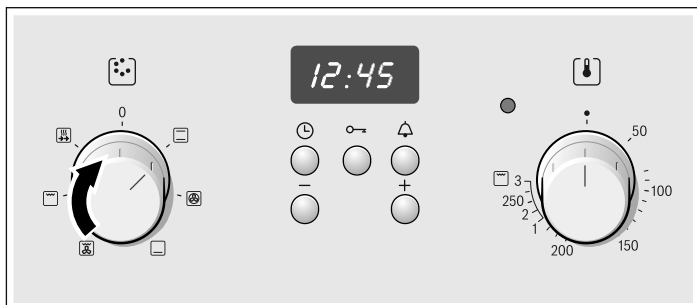
# Setting the oven

There are various ways in which you can set your oven. Here we will explain how you can select the desired type of heating and temperature or grill setting. You can select the cooking time and end time for your dish on the oven.

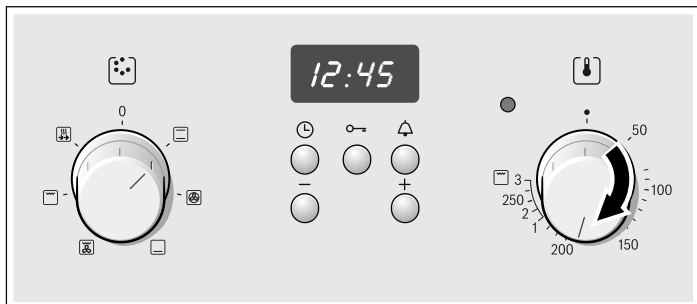
## Types of heating and temperature

Example in the picture: Top/bottom heating, 190 °C.

1. Use the function selector to select the required type of heating.



2. Use the temperature selector to set the temperature or the grill setting.



The oven heats up.

### Switch off the oven

Turn the function selector to the off position.

### Changing the settings

You can change the type of heating, temperature and grill setting as required.

## The oven should switch off automatically

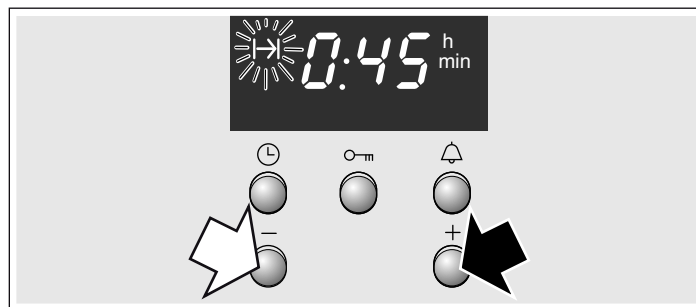
Enter a cooking time for your dish.

Example in the picture: □ Top/bottom heat, 200 °C, cooking time 45 minutes.

1. Use the function selector to select the required type of heating.
2. Use the temperature selector to set the temperature or the grill setting.
3. Press the ⌚ clock button.  
The I→I Cooking time symbol flashes.



4. Use the + or - button to set the cooking time.  
Default value for + button = 30 minutes  
Default value for - button = 10 minutes



### The cooking time has elapsed

A signal sounds. The oven switches off. Press the ⌚ button twice and switch off the function selector.

### Changing the setting

Press the ⌚ Clock button. Use the + or - button to change the cooking time.

### Cancelling the setting

Press the ⌚ Clock button. Press the - button until zero is shown on the display. Switch off the function selector.

### Setting the cooking time if the clock is hidden

Press the ⌚ Clock button twice and make your settings as described in point 4.

## The oven should switch on and off automatically

Do not allow food to stand for too long in the oven. Meat and fish spoils easily if not kept chilled.

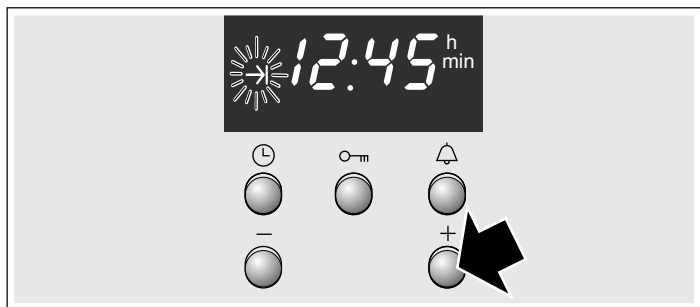
Example in the picture: Top/bottom heating □, 200 °C. It is 10:45 . The meal takes 45 minutes to cook and should be ready at 12:45 .

1. Use the function selector to select the required type of heating.
2. Use the temperature selector to set the temperature or the grill setting.
3. Press the ⌚ clock button.  
The I→I Cooking time symbol flashes.
4. Use the + or - button to set the cooking time.
5. Press the ⌚ Clock button repeatedly until the →IEnd time symbol flashes.  
You can see in the display when the meal will be ready.





- Use the + button to set a later end time.  
The setting is adopted after a few seconds.  
The display shows the end time until the oven starts operating.



#### The cooking time has elapsed

A signal sounds. The oven switches off. Press the ⌚ button twice and switch off the function selector.

**Note:** You can make changes as long as the symbol is flashing. When the symbol lights up, the setting has been adopted.

## Rapid heating

With rapid heating, the oven reaches the temperature selected more quickly.

Only use rapid heating when temperatures above 100 °C are selected.

Only place the food in the oven after rapid heating has finished, so as to ensure even cooking.

1. Move the function selector to the position.

2. Use the temperature selector to set the temperature.

The oven starts after a few seconds. The indicator lamp above the temperature selector lights up.

#### The rapid heating process is complete

The indicator light above the temperature selector goes out. Place your dish in the oven and select the desired type of heating.

#### Cancelling rapid heating

Turn the function selector to the off position. The oven switches off.

## Setting the clock

When the appliance is connected for the first time or after a power cut, the ⌚ symbol and three zeros flash in the display. Set the clock. The function selector must be switched off.

#### Setting procedure

1. Press the ⌚ Clock button.  
12.00 appears in the display and the ⌚ symbol flashes.
2. Use the + or - button to change the clock.  
After a few seconds, the time is saved. The ⌚ symbol goes out.

#### Changing from summer to winter time, for example

Press the ⌚ Clock button twice and change the time using the + or - button.

## Setting the timer

You can use the timer as a kitchen timer. It runs independently of the oven. The timer has a special signal. This means that you can tell whether the timer duration or the cooking time has elapsed. You can also set the timer if the childproof lock is active.

#### Setting procedure

1. Press the ⌚ Timer button.  
The ⌚ symbol flashes.
2. Use the - or + button to change the timer duration.  
Default value for + button = 10 minutes  
Default value for - button = 5 minutes

The timer starts after a few seconds. The ⌚ symbol lights up in the display. You will see the time counting down.

#### When the time has elapsed

A signal sounds. Press the ⌚ Timer button. The timer goes out.

#### Changing the timer duration

Press the ⌚ Timer button. Use the + or - button to change the time.

#### Cancelling the setting

Press the ⌚ Timer button. Press the - button until zero is shown on the display.

#### The timer and cooking time count down at the same time

Both symbols light up. You can see the timer duration counting down in the display.

To call up the remaining cooking time, end time or ⌚ clock:

Press the ⌚ Clock button repeatedly until the relevant symbol appears.

The value you are checking appears for several seconds on the display.



# Childproof lock



## Oven

The oven has a childproof lock to prevent children switching it on accidentally.

### Switching the childproof lock on and off

The function selector must be switched off.

To switch on: press and hold the  key button until the  symbol appears in the display. This takes about 4 seconds.

To switch off: press and hold the  key button until the  symbol goes out.

### Notes

- You can set the timer and clock at any time.
- If the childproof lock is active, it will be cancelled following a power cut.

# Care and cleaning

With good care and cleaning, your oven will remain clean and fully-functioning for a long time to come. Here we will explain how to maintain and clean your oven correctly.

### Notes

- Slight differences in the colours on the front of the oven are caused by the use of different materials, such as glass, plastic and metal.
- Shadows on the door panel which look like streaks, are caused by reflections made by the oven light.
- Enamel is baked on at very high temperatures. This can cause some slight colour variations. This is normal and does not affect their function. The edges of thin trays cannot be completely enamelled. As a result, these edges can be rough. This will not impair the anti-corrosion protection.

## Cleaning agents

Damage to the various different surfaces caused by using the wrong cleaning agent can be avoided by observing the following instructions.

### When cleaning the oven do not use

- sharp or abrasive cleaning agents,
- cleaning agent with a high alcohol content,
- scouring pads,
- high-pressure cleaners or steam jets.
- Do not clean individual parts in the dishwasher.

Wash new sponges thoroughly before first use.

The control panel	Hot soapy water: Clean with a dish cloth and dry with a soft cloth. Do not use glass cleaners or glass scrapers for cleaning.
<b>Stainless-steel surfaces</b>	Clean with warm soapy water and a soft cloth. On stainless-steel surfaces, always wipe parallel to the natural grain. Otherwise, you may scratch the surface. Dry with a soft cloth. Remove flecks of limescale, grease, starch and albumin (e.g. egg white) immediately. Do not use any abrasive materials, scouring sponges or rough cleaning cloths. The stainless-steel fronts can be polished using a special care product. Follow the manufacturer's instructions. You can purchase special stainless-steel cleaner from our after-sales service or from specialist retailers.
<b>Enamel surfaces and lacquered surfaces</b>	Wipe with a damp cloth and some washing-up liquid. Dry with a soft cloth.
<b>Rotary knobs</b>	Wipe with a damp cloth and some washing-up liquid. Dry with a soft cloth.

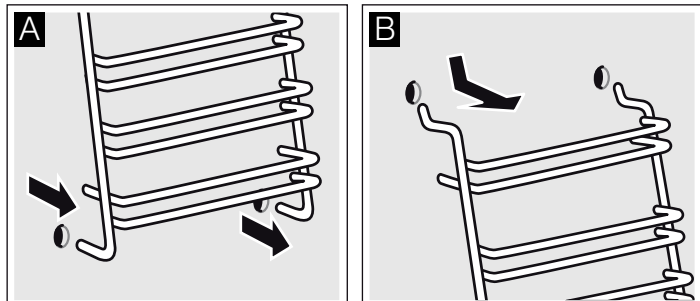
<b>Glass panel</b>	Clean using glass cleaner. Do not use any abrasive cleaning agents or sharp metal objects. These could scratch and damage the surface of the glass panel.
<b>Seal</b>	Wipe with a damp cloth. Dry with a soft cloth.
<b>Oven interior</b>	Warm soapy water or a vinegar solution. If there are heavy deposits of dirt, only use oven cleaner on cold surfaces.
<b>Glass cover for the oven light</b>	Wipe with a damp cloth and some washing-up liquid. Dry with a soft cloth.
<b>Accessories</b>	Soak in warm soapy water. Clean with a brush or sponge.
<b>Aluminium baking tray (optional)</b>	Do not clean in the dishwasher. Never use oven cleaner. To avoid scratches, never touch the metal surfaces with a knife or a similar sharp object. Clean horizontally with some washing-up liquid and a damp glass cleaning cloth or a microfibre cloth – do not press too hard. Dry with a soft cloth. Do not use any abrasive materials, scouring sponges or rough cleaning cloths. Otherwise, you may scratch the surface
<b>Childproof lock (optional)</b>	If a childproof lock has been fitted on the oven door, it must be removed before cleaning. Soak all plastic parts in warm soapy water and wash with a sponge. Dry with a soft cloth. If very dirty, the childproof lock will not work properly.
<b>Hob</b>	Refer to the hob instruction manual for information about care and cleaning.

## Detaching and refitting the rails

The rails can be removed for cleaning. The oven must have cooled down.

### Unhooking the rails

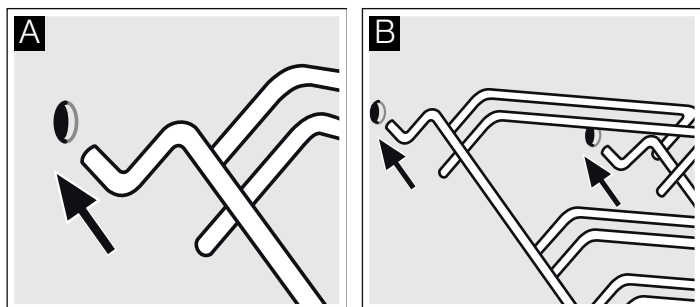
1. Hold the shelf frames from underneath and pull slightly forward. Pull the extension pins at the bottom of the rails out of the mounting holes (Fig. A).
2. Then fold the rails upwards and carefully remove them (Fig. B).



Clean the rails with washing-up liquid and a sponge. For stubborn deposits of dirt, use a brush.

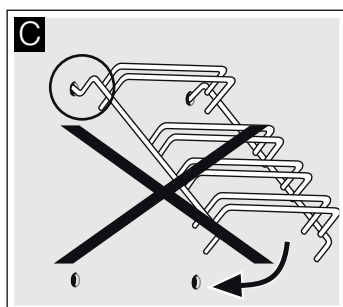
### Installing the frames

1. Insert the two hooks carefully into the upper holes. (Figure A-B)



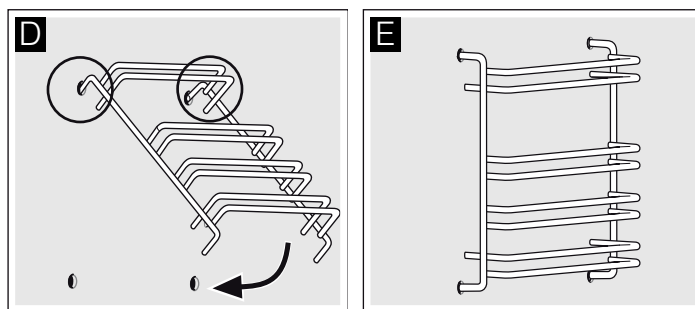
### ⚠ Incorrect assembly!

Never move the frame before the two hooks are fully anchored in the upper holes. The enamel could be damaged and may break (figure C).



2. the two hooks must be inserted fully into the upper holes. Now move the frame slowly and carefully downwards and insert in the lower holes (figure D).

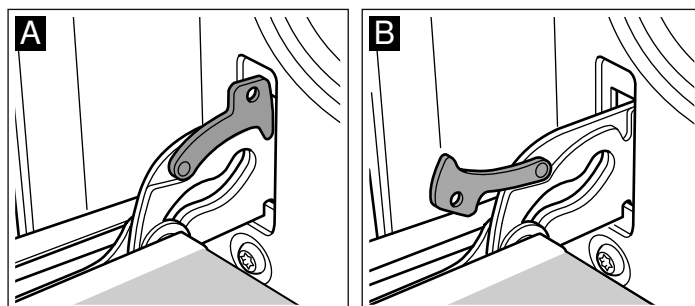
3. Insert both frames into the side walls of the oven (figure E).  
If the rails are fitted correctly, the distance between the two upper shelf positions is greater.



## Detaching and attaching the oven door

For cleaning purposes and to remove the door panels, you can detach the oven door.

The oven door hinges each have a locking lever. When the locking levers are closed (figure A), the oven door is secured in place. It cannot be detached. When the locking levers are open in order to detach the oven door (Fig. B), the hinges are locked. They cannot snap shut.

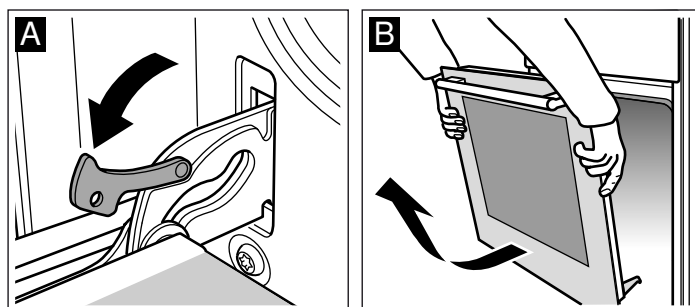


### ⚠ Risk of injury!

Whenever the hinges are not locked, they snap shut with great force. Ensure that the locking levers are always fully closed or, when detaching the oven door, fully open.

### Detaching the door

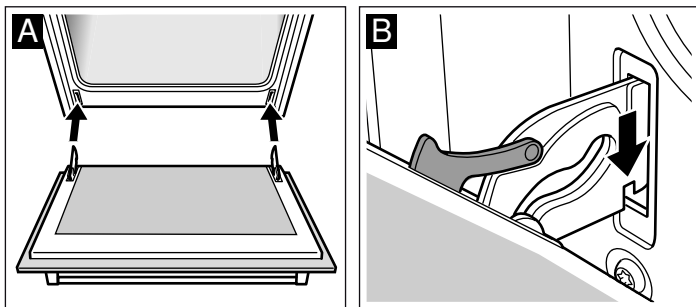
1. Open the oven door fully.
2. Fold up the two locking levers on the left and right (figure A).
3. Close the oven door as far as the limit stop. With both hands, grip the door on the left and right-hand sides. Close the door a little further and pull it out (figure B).



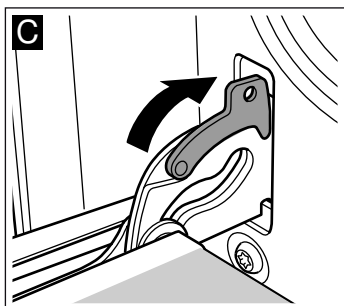
## Attaching the door

Reattach the oven door in the reverse sequence to removal.

1. When attaching the oven door, ensure that both hinges are inserted straight into the opening (figure A).
2. The notch on the hinge must engage on both sides (figure B).



3. Fold back both locking levers (figure C). Close the oven door.



### **⚠ Risk of injury!**

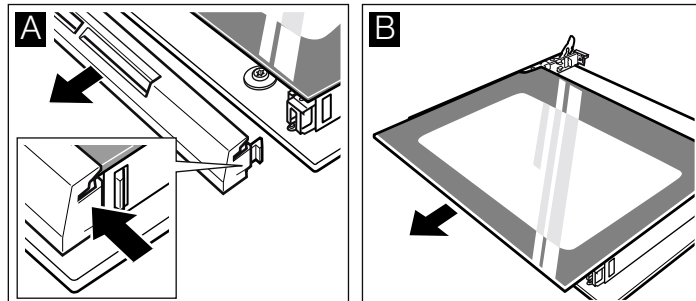
If the oven door falls out accidentally or a hinge snaps shut, do not reach into the hinge. Call the after-sales service.

## Removing and installing the door panels

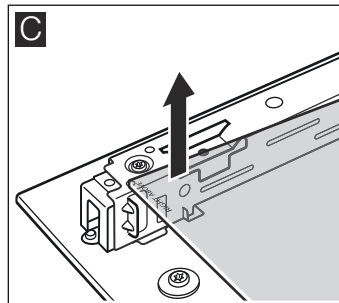
To facilitate cleaning, you can remove the glass panels from the oven door.

### Removal

1. Detach the oven door and lay it on a cloth with the handle facing down.
2. Pull off the cover at the top of the oven door. Press in the tabs on the left and right using your fingers (fig. A).
3. Lift the top panel up and pull it out (fig. B).



4. Lift the panel up and pull it out (fig. C).



Clean the panels with glass cleaner and a soft cloth.

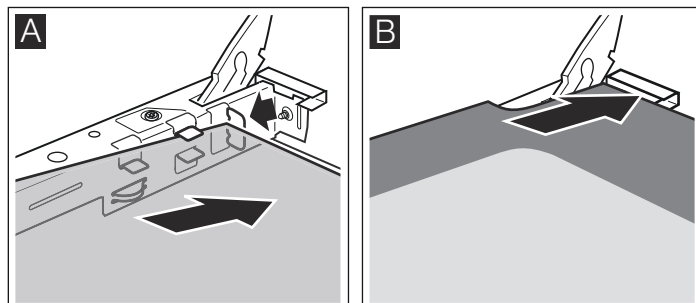
### **⚠ Risk of injury!**

Scratched glass in the appliance door may develop into a crack. Do not use a glass scraper, sharp or abrasive cleaning aids or detergents.

### Installation

During installation, make sure that the lettering "top right" is upside down at the bottom left.

1. Insert the panel at an angle towards the back (fig. A).
2. Insert the top panel at an angle towards the back into the brackets. The smooth surface must face outwards. (fig. B).



3. Put the cover back in place and press on it.
4. Attach the oven door.

**Do not use the oven again until the panels have been correctly installed.**

# Troubleshooting

Malfunctions often have simple explanations. Refer to the table before calling the after-sales service as you may be able to remedy the fault yourself.

## Malfunction table

If a dish doesn't turn out as well as you had hoped, refer to the section *Tested for you in our cooking studio*, where you will find plenty of cooking tips and tricks.

### Risk of electric shock!

Incorrect repairs are dangerous. Repairs may only be carried out by one of our trained after-sales engineers.

Problem	Possible cause	Remedy/information
The oven does not work.	The circuit breaker is defective.	Look in the fuse box and check that the circuit breaker is in working order.
	Power cut	Check whether the kitchen light or other kitchen appliances are working.
The clock display flashes.	Power cut	Reset the clock.
The oven does not heat up.	There is dust on the contacts.	Turn the control knobs back and forth several times.

### Caution!

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

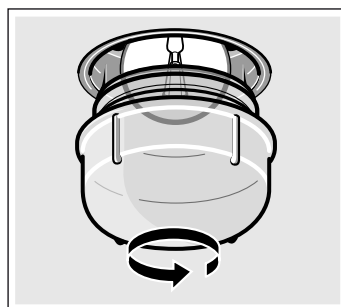
## Replacing the bulb in the oven ceiling light

If the bulb in the oven light fails, it must be replaced. Heat-resistant, 40 watt spare bulbs can be obtained from our after-sales service or a specialist retailer. Only use these bulbs.

### Risk of electric shock!

Switch off the circuit breaker in the fuse box.

1. Place a tea towel in the oven when it is cold to prevent damage.
2. Unscrew the glass cover by turning it anti-clockwise.



3. Replace the bulb with one of the same type.
4. Screw the glass cover back in.
5. Remove the tea towel and switch on the circuit breaker.

## Glass cover

You must replace a damaged glass cover. Suitable glass covers may be obtained from the after-sales service. Please specify the E number and FD number of your appliance.


# After-sales service

Our after-sales service is there for you if your appliance needs to be repaired. We will always find the right solution in order to avoid unnecessary visits from a service technician.

## E number and FD number

When calling us, please give the product number (E no.) and the production number (FD no.) so that we can provide you with the correct advice. The rating plate containing these numbers is found on the side of the oven door. To save time, you can make a note of the number of your appliance and the telephone number of the after-sales service in the space below, should it be required.

E no.	FD no.
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After-sales service 

Please note that there will be a fee for a visit by a service technician in the event of a malfunction, even during the warranty period.

Please find the contact data of all countries in the enclosed customer service list.

## To book an engineer visit and product advice

**GB** 0344 892 8979  
Calls charged at local or mobile rate.

**IE** 01450 2655  
0.03 € per minute at peak. Off peak 0.0088 € per minute.

Rely on the professionalism of the manufacturer. You can therefore be sure that the repair is carried out by trained service technicians who carry original spare parts for your appliances.



# Energy and environment tips

Here you can find tips on how to save energy when baking and roasting and how to dispose of your appliance properly.

## Saving energy

- Only preheat the oven if this is specified in the recipe or in the operating instruction tables.
- Use dark, black lacquered or enamelled baking tins. They absorb the heat particularly well.
- Open the oven door as infrequently as possible while you are cooking, baking or roasting.
- It is best to bake several cakes one after the other. The oven is still warm. This reduces the baking time for the second cake. You can also place two loaf tins next to each other.
- For longer cooking times, you can switch the oven off 10 minutes before the end of the cooking time and use the residual heat to finish cooking.

## Environmentally-friendly disposal

Dispose of packaging in an environmentally-friendly manner.



This appliance is labelled in accordance with European Directive 2012/19/EU concerning used electrical and electronic appliances (waste electrical and electronic equipment - WEEE). The guideline determines the framework for the return and recycling of used appliances as applicable throughout the EU.

## Measures to be noted during transport

Secure all mobile parts in and on the appliance using an adhesive tape that can be removed without leaving any traces. Push all accessories (e.g. baking tray) into the corresponding slots with cardboard at the edges, in order to avoid damaging the appliance. Place cardboard or similar between the front and rear side to prevent knocks against the inside of the door glass. Secure the oven door to the side walls of the appliance using adhesive tape.

Keep the original appliance packaging. Only transport the appliance in the original packaging. Observe the transport arrows on the packaging.

### If the original packaging is no longer available

pack the appliance in protective packaging to guarantee sufficient protection against any transport damage.

Transport the appliance in an upright position. Do not hold the appliance by the door handle or the connections on the rear, as these could be damaged. Do not place any heavy objects on the appliance.

# Tested for you in our cooking studio

Here you will find a selection of dishes and the ideal settings for them. We will show you which type of heating and which temperature are best suited for your dish. You can find information about suitable accessories and the height at which they should be inserted. There are also tips about cookware and preparation methods.

## Notes

- The values in the table always apply to dishes placed into the cooking compartment when it is cold and empty.  
Only preheat the appliance if the table specifies that you should do so. Do not line the accessories with greaseproof paper until after they have been preheated.
- The times specified in the tables are guidelines only. They will depend on the quality and composition of the food.
- Use the accessories supplied. Additional accessories may be obtained as special accessories from specialist retailers or from the after-sales service.  
Before using the oven, remove any unnecessary accessories and ovenware from the cooking compartment.
- Always use oven gloves when taking hot accessories or ovenware out of the cooking compartment.

## Cakes and pastries

### Baking on one level

When baking cakes and tarts, the best results can be achieved using Top/bottom heating.

When baking with 3D Hot air, use the following shelf positions for the accessories:

- Cake in a cake tin: Shelf position 2
- Cake on a baking tray: Shelf position 3

### Baking and roasting on two or more levels

Use 3D hot air.

Shelf positions for baking and roasting on 2 levels:

- Universal pan: Shelf position 3
- Baking tray: Shelf position 1

Dishes that are put in the oven at the same time do not have to be ready at the same time.

The tables contain a selection of dishes.

### Baking tins

It is best to use dark-coloured metal baking tins.

Baking times are increased when light-coloured baking tins made of thin metal or glass dishes are used, and cakes do not brown so evenly.

If you wish to use silicone baking tins, use the information and recipes provided by the manufacturer as a guide. Silicone baking tins are often smaller than normal tins. The amount of mixture and recipe instructions may differ.















## Tables

The tables show the ideal type of heating for the various cakes and pastries. The temperature and baking time depend on the amount and composition of the mixture. This is why temperature ranges are given in the tables. You should try the lower temperature first, since a lower temperature results in more even browning. You can increase the temperature next time if necessary.

If you preheat the oven, the baking time is shortened by 5 to 10 minutes.





Additional information can be found in the *Baking tips* section following the tables.

**Note:** Do not place food directly onto the aluminium baking tray. Line the aluminium baking tray with greaseproof paper.

Conventional heat					
Food	Dish	Shelf position	Type of heating	Temperature in °C	Time in minutes
Victoria sandwich	Wire rack + 2 x Ø 20 cm tins	2		170	20-30
Light fruit cake	Wire rack + high Ø 20 cm tin	2		160	75-85
Fruit crumble	Wire rack + flat glass dish	3		180	35-45
Swiss roll*	Wire rack + swiss roll tin	2		200	10-12
Tart	Universal pan + Ø 20 cm plate or pie tin	1		210	40-50
Quiche	Wire rack + quiche tin (dark coated)	1		210	40-50
(White) Bread	Wire rack + loaf tin (1 x 900 g or 2 x 450 g)	1		220	25-35
Scones*	Baking tray	1		210	15-20
Biscuits	Baking tray	3		180	15-20
Jam tarts*	Wire rack + 12-cup tin	2		200	15-20
Soufflé*	Wire rack + 1,2 l soufflé dish	2		180	35-45
Pie	Wire rack + pie dish	2		200	40-50
Yorkshire pudding*	Wire rack + 12-cup tin	3		200	20-30
Pizza (homemade)	Universal pan	3		190	25-30








\* Preheat.

### 3D-Hot air: Baking on 1 level

Food	Dish	Shelf position	Type of heating	Temperature in °C	Time in minutes
Rich fruit cake	Wire rack + Ø 23 cm high round tin or 20 cm square tin	2		140	170-190
Meringues	Universal pan	3		80	100-150
Pavlova**	Universal pan	3		150+100	100-150
Jacket potatoes	Universal pan	2		160	70-80

\* Preheat.

### 3D-Hot air: Baking on 2 levels



Food	Dish	Shelf position	Type of heating	Temperature in °C	Time in minutes
Victoria sandwich, 2 levels	2 wire racks** + 4 x Ø 20 cm tins	3+1		160	35-40
Scones*, 2 levels	2 wire racks** + 2 baking trays**	3+1		170	20-30
Biscuits, 2 levels	Universal pan*** + wire rack with baking tray**	3+1		160	20-25
Small cakes*, 2 levels	Universal pan*** + wire rack with baking tray**	3+1		160-180	20-30
Meringues, 2 levels	2 wire racks** + 2 baking trays**	3+1		80	100-150
Jacket potatoes, 2 levels	2 wire racks**	3+1		170	70-80
Full meal, 2 levels	2 wire racks**	3+1		180	75-85

\* Preheat.

\*\* Additional baking trays and racks may be obtained as optional accessories from specialist shops.

\*\*\* When baking on two levels, use the universal pan provided, at shelf position three.

## Baking tips

You wish to bake according to your own recipe.	Use similar items in the baking tables as a guide.
How to establish whether sponge cake is baked through.	Approximately 10 minutes before the end of the baking time specified in the recipe, stick a cocktail stick into the cake at the highest point. If the cocktail stick comes out clean, the cake is ready.
The cake collapses.	Use less fluid next time or set the oven temperature 10 degrees lower. Observe the specified mixing times in the recipe.
The cake has risen in the middle but is lower around the edge.	Do not grease the sides of the springform cake tin. After baking, loosen the cake carefully with a knife.
The cake goes too dark on top.	Place it lower in the oven, select a lower temperature and bake the cake for a little longer.
The cake is too dry.	When it is done, make small holes in the cake using a cocktail stick. Then drizzle fruit juice or an alcoholic beverage over it. Next time, select a temperature 10 degrees higher and reduce the baking time.
The bread or cake (e.g. cheesecake) looks good, but is soggy on the inside (sticky, streaked with water).	Use slightly less fluid next time and bake for slightly longer at a lower temperature. For cakes with a moist topping, bake the base first. Sprinkle it with almonds or bread crumbs and then place the topping on top. Please follow the recipe and baking times.
The cake is unevenly browned.	Select a slightly lower temperature to ensure that the cake is baked more evenly. Bake delicate pastries on one level using  Top/bottom heating. Protruding greaseproof paper can affect the air circulation. For this reason, always cut greaseproof paper to fit the baking tray.
The bottom of a fruit cake is too light.	Place the cake one level lower the next time.
The fruit juice overflows.	Next time, use the deeper universal pan, if you have one.
Small baked items made out of yeast dough stick to one another when baking.	There should be a gap of approx. 2 cm around each item. This gives enough space for the baked items to expand well and turn brown on all sides.
You were baking on several levels. The items on the top baking tray are darker than that on the bottom baking tray.	Always use  3D hot air to bake on more than one level. Baking trays that are placed in the oven at the same time will not necessarily be ready at the same time.
Condensation forms when you bake moist cakes.	Baking may result in the formation of water vapour, which escapes above the door. The steam may settle and form water droplets on the control panel or on the fronts of adjacent units. This is a natural process.

## Meat, poultry, fish

### Ovenware

You may use any heat-resistant ovenware. The universal pan is suitable for large roasts.

Glass ovenware is the most suitable. Ensure that the lid of the roasting dish fits well and closes properly.

Add a little more liquid when using enamelled roasting dishes.

With roasting dishes made of stainless steel, browning is not so intense and the meat may be somewhat less well cooked. Increase the cooking times.

Information in the tables:

Ovenware without a lid = open

Ovenware with a lid = closed

Always place the ovenware in the centre of the wire rack.

Place hot glass ovenware on a dry mat after cooking. The glass could crack if placed on a cold or wet surface.

### Roasting

The roasting result depends on the type and quality of meat.

Add 2 to 3 soup spoons of liquid to lean meat, and 8 to 10 soup spoons of liquid to pot roasts, depending on the size.

Meat should be turned half way through the cooking time.

When the roast is ready, switch off the oven and leave the roast to stand for 10 minutes with the oven door closed. This allows the meat juices to distribute more favourably.

### Grilling

Always close the oven door when grilling.











If possible, use pieces of meat which are of the same thickness. They should be at least 2 to 3 cm thick. Such pieces will be browned evenly and stay juicy and soft in the middle. Only salt the steaks after they have been grilled.

Place the pieces of meat directly onto the wire grill. If you are grilling just one piece of meat, it will turn out best if you place it in the centre of the wire grill. You should also insert the universal pan at level 1. The meat juices are collected here and the oven is kept clean.





Turn the pieces of meat and poultry after half of the cooking time indicated but turkey has to be placed breast side up and not to be turned!

The grill element automatically switches itself off and back on again. This is normal. The number of times this happens depends on the grill setting you have selected.

Roasting

Food	Dish	Shelf position	Type of heating	Temperature in °C	Time, min. per 1 lb + add. time
<b>Beef</b>					
Beef rare	Universal pan with wire insert	1		210-230	15+20
Beef medium	Universal pan with wire insert	1		210-230	25+25
Beef well done	Universal pan with wire insert	1		210-230	30+30
Beef fillet	Universal pan with wire insert	1		210-230	25+25
<b>Lamb</b>					
Lamb medium	Universal pan with wire insert	1		160-180	20+20
Lamb well done	Universal pan with wire insert	1		160-180	25+35
<b>Pork</b>					
Pork	Universal pan with wire insert	1		180-200	35+35
<b>Poultry</b>					
Chicken, Duck, Goose up to 5 kilo	Universal pan with wire insert	1		150-190	17+20
Large Turkey up to 7 kilo	Universal pan with wire insert	1		170-190	10+20
Chops and chicken joints	Universal pan with wire insert	2		210-230	45

Grilling

Food	Dish	Shelf position	Type of heating	Grill setting	Time in minutes
Meat steaks	Wire rack + universal pan	4+1		2 or 3	15-20
Sausages	Wire rack + universal pan	3+1		3	15-20
Fish	Wire rack + universal pan	4+1		2	25-30
Toast	Wire rack + universal pan	3+1		3	5-8





Tips for roasting and grilling

The table does not contain information for the weight of the joint.	Select the next lowest weight from the instructions and extend the time.
How to tell when the roast is ready.	Use a meat thermometer (available from specialist shops) or carry out a “spoon test”. Press down on the roast with a spoon. If it feels firm, it is ready. If the spoon can be pressed in, it needs to be cooked for a little longer.
The roast is too dark and the crackling is partly burnt.	Check the shelf height and temperature.
The roast looks good but the juices are burnt.	Next time, use a smaller roasting dish or add more liquid.
The roast looks good but the juices are too clear and watery.	Next time, use a larger roasting dish and use less liquid.
Steam rises from the roast when basted.	This is normal and due to the laws of physics. The majority of the steam escapes through the steam outlet. It may settle and form condensation on the cooler switch panel or on the fronts of adjacent units.

Preprepared products

Observe the instructions on the packaging.  
If you line the accessories with greaseproof paper, make sure that the paper is suitable for these temperatures. Make sure the paper is a suitable size for the dish to be cooked.


The cooking result greatly depends on the quality of the food. Pre-browning and irregularities can sometimes even be found on the raw product.

Dish	Accessories	Level	Type of heating	Temperature in °C	Cooking time in minutes
Strudel with fruit filling	Universal pan	3		190-210	45-55
Chips	Universal pan	3		210-230	25-30
Pizza	Wire rack	2		200-220	15-20
Pizza baguette	Wire rack	2		190-210	15-20

## Note

The universal pan may warp when cooking frozen dishes. The reason for this is the large temperature differences that the accessory is subjected to. The deformation disappears as early as during the cooking process.

## Special dishes

At low temperatures,  3D hot air is equally useful for producing creamy yoghurt as it is for proving light yeast dough.

First, remove accessories, hook-in racks or telescopic shelves from the cooking compartment.

### Preparing yoghurt



1. Bring 1 litre of milk (3.5 % fat) to the boil and cool down to 40 °C.
2. Stir in 150 g of yoghurt (at refrigerator temperature).
3. Pour into cups or small screw-top jars and cover with cling film.

4. Preheat the cooking compartment as indicated.

5. Place the cups or jars on the cooking compartment floor and incubate as indicated.

### Proving dough

1. Prepare the dough as usual, place it in a heat-resistant ceramic dish and cover.
2. Preheat the cooking compartment as indicated.
3. Switch off the oven and place the dough in the cooking compartment and leave it to prove.


Dish	Ovenware		Type of heating	Temperature	Cooking time
Yoghurt	Cups or screw-top jars	on the cooking compartment floor		50 °C Preheat 50 °C	5 mins 8 hrs
Proving dough	Heat-resistant dish	on the cooking compartment floor		50 °C Preheat Switch off the appliance and place the yeast dough in the cooking compartment	5-10 mins 20-30 mins

## Defrosting


The defrosting time depends on the amount and type of food. Observe the instructions on the packaging.

Take food out of its packaging and place in suitable ovenware on the wire rack.

Place poultry with the breast side to the plate.

Frozen food	Accessories	Level	Type of heating	Temperature
e.g. cream cakes, buttercream cakes, gateaux with chocolate or sugar icing, fruit, chicken, sausage and meat, bread and bread rolls, cakes and other baked items	Wire rack	2		The temperature selector remains switched off

## Drying

With  3D hot air, you can dry foods brilliantly.





Use unblemished fruit and vegetables only and wash them thoroughly.

Drain off the excess water, then dry them.

Line the universal pan and the wire rack with greaseproof or parchment paper.

Turn very juicy fruit or vegetables several times.

Remove fruit and vegetables from the paper as soon as they have dried.

Fruit and herbs	Accessories	Level	Type of heating	Temperature	Cooking time
600 g apple rings	Universal pan + rack	3+1		80 °C	5 hrs (approx.)
800 g pear slices	Universal pan + rack	3+1		80 °C	8 hrs (approx.)
1.5 kg damsons or plums	Universal pan + rack	3+1		80 °C	8-10 hrs (approx.)
200 g herbs, washed	Universal pan + rack	3+1		80 °C	1½ hrs (approx.)



Preserving

For preserving, the jars and rubber seals must be clean and intact. If possible, use jars of the same size. The information in the table is for round, one-litre jars.

Caution!

Do not use jars that are larger or taller than this. The lids could crack.

Only use fruit and vegetables in good condition. Wash them thoroughly.

The times given in the tables are a guide only. The time will depend on the room temperature, number of jars, and the quantity and temperature of the contents. Before you switch off the appliance or change the cooking mode, check whether the contents of the jars are bubbling as they should.

Preparation

- 1.Fill the jars, but not to the top.
- 2.Wipe the rims of the jars, as they must be clean.
- 3.Place a damp rubber seal and a lid on each jar.

Fruit in one-litre jars	When it starts to bubble	Residual heat
Apples, redcurrants, strawberries	Switch off	approx. 25 minutes
Cherries, apricots, peaches, gooseberries	Switch off	approx. 30 minutes
Apple purée, pears, plums	Switch off	approx. 35 minutes

Vegetables

As soon as bubbles begin to form in the jars, set the temperature back to between 120 and 140 °C. Depending on

- 4.Seal the jars with the clips.
- Place no more than six jars in the cooking compartment.

Making settings

- 1.Insert the universal pan at level 2. Arrange the jars on it so that they do not touch each other.
- 2.Pour ½ litre of hot water (approx. 80 °C) into the universal pan.
- 3.Close the oven door.
- 4.Set ☐ Bottom heating.
- 5.Set the temperature to between 170 and 180 °C.

Preserving

Fruit

After approx. 40 to 50 minutes, small bubbles begin to form at short intervals. Switch off the oven.

After 25 to 35 minutes of residual heat, remove the preserving jars from the cooking compartment. If they are allowed to cool for longer in the cooking compartment, germs could multiply, promoting acidification of the preserved fruit.

the type of vegetable, heat for approx. 35 to 70 minutes. Switch off the oven after this time and use the residual heat.

Vegetables with cold cooking water in one-litre jars	When it starts to bubble	Residual heat
Gherkins	-	approx. 35 minutes
Beetroot	approx. 35 minutes	approx. 30 minutes
Brussels sprouts	approx. 45 minutes	approx. 30 minutes
Beans, kohlrabi, red cabbage	approx. 60 minutes	approx. 30 minutes
Peas	approx. 70 minutes	approx. 30 minutes

Taking out the jars

After preserving, remove the jars from the cooking compartment.

Caution!

Do not place the hot jars on a cold or wet surface. They could suddenly burst.

Acrylamide in foodstuffs

Acrylamide is mainly produced in grain and potato products prepared at high temperatures, such as potato crisps, chips,

toast, bread rolls, bread or fine baked goods (biscuits, gingerbread, cookies).

Tips for keeping acrylamide to a minimum when preparing food	
General	<ul style="list-style-type: none"><li>■ Keep cooking times to a minimum.</li><li>■ Cook meals until they are golden brown, but not too dark.</li><li>■ Large, thick pieces of food contain less acrylamide.</li></ul>
Baking	With top/bottom heating max. 200 °C. With 3D hot air or hot air max.180 °C.
Biscuits	With top/bottom heating max. 190 °C. With 3D hot air or hot air max. 170 °C. Egg or egg yolk reduces the production of acrylamide.
Oven chips	Spread evenly over the baking tray, in a single layer. Bake at least 400 g per baking tray so that the chips do not dry out

# Test dishes

These tables have been produced for test institutes to facilitate the inspection and testing of the various appliances.

In accordance with EN 50304/EN 60350 (2009) and IEC 60350.

## Baking

Baking on 2 levels:

Always insert the universal pan above the baking tray.

Piped cookies (such as Spritz cookies in sugar syrup):

Dishes that are put in the oven at the same time do not have to be ready at the same time.


German apple pie, level 1






Change the position of the dark springform cake tin, slide in diagonally.

German apple pie, level 2

Change the position of the dark springform cake tin.

Cakes in a metal springform cake tin:

Bake on level 1 with  Top/bottom heating Place the springform cake tin on the universal pan instead of on the wire rack.

Food	Dish	Shelf position	Type of heating	Temperature in °C	Time in minutes
Small cakes (preheat oven)	Baking tray*	2		160-180	25-35
Small cakes (preheat oven)	Universal pan** + Baking tray*	3+1		160-180	20-30
Fatless sponge cake	Wire rack + baking tin (dark coated)	2		160-180	30-40
Apple Pie	Universal pan + 2 Springform cake tins Ø 20 cm***	1		190-210	70-80
	2 Wire racks* + 2 Springform cake tins Ø 20 cm***	3+1		170-190	65-75



\* Additional baking trays and wire racks can be obtained as an optional accessory from specialist shops.

\*\* When baking on two levels, always place the universal pan above the baking tray.

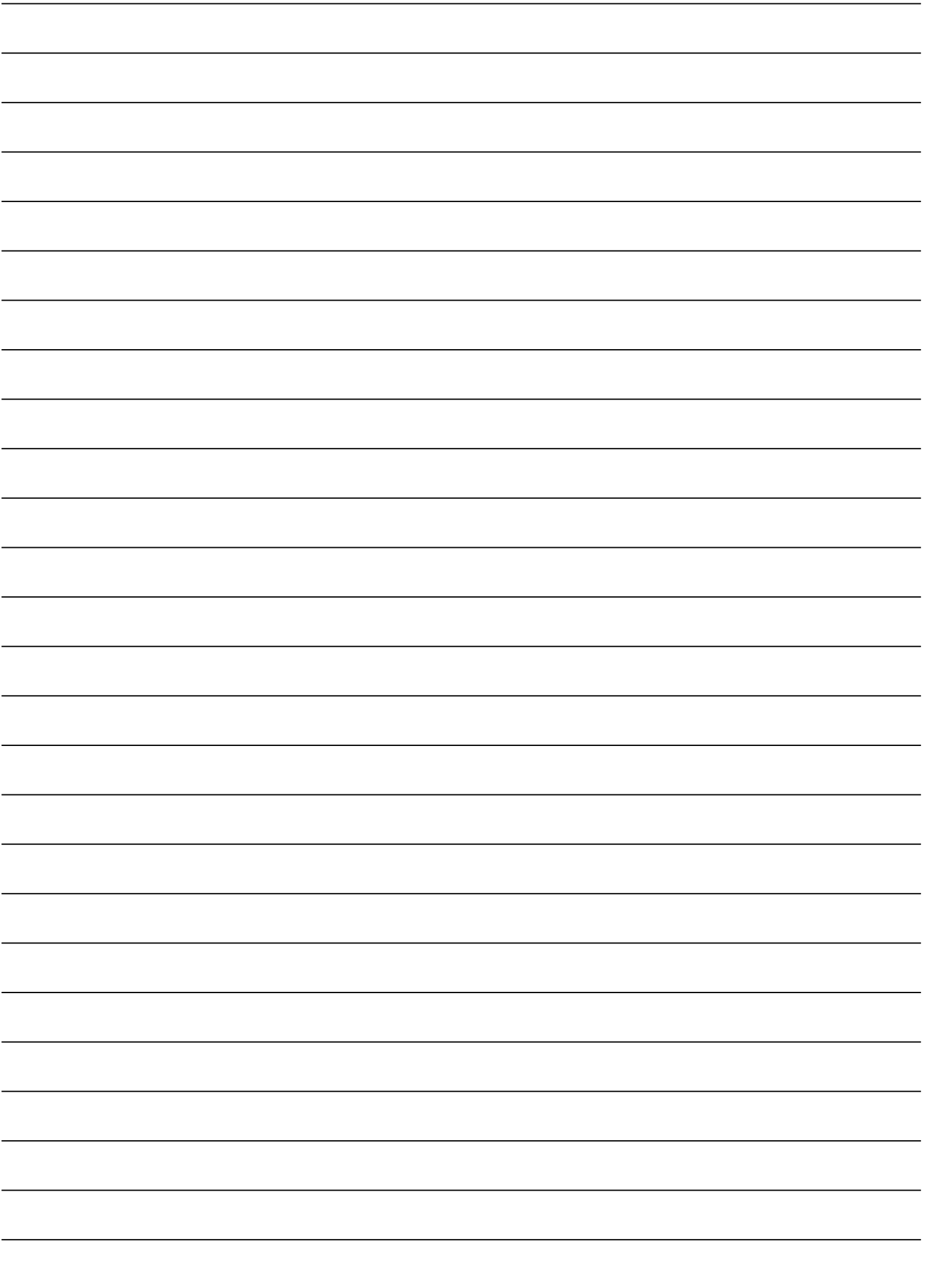
\*\*\*Place the cake tins diagonally on the accessories.

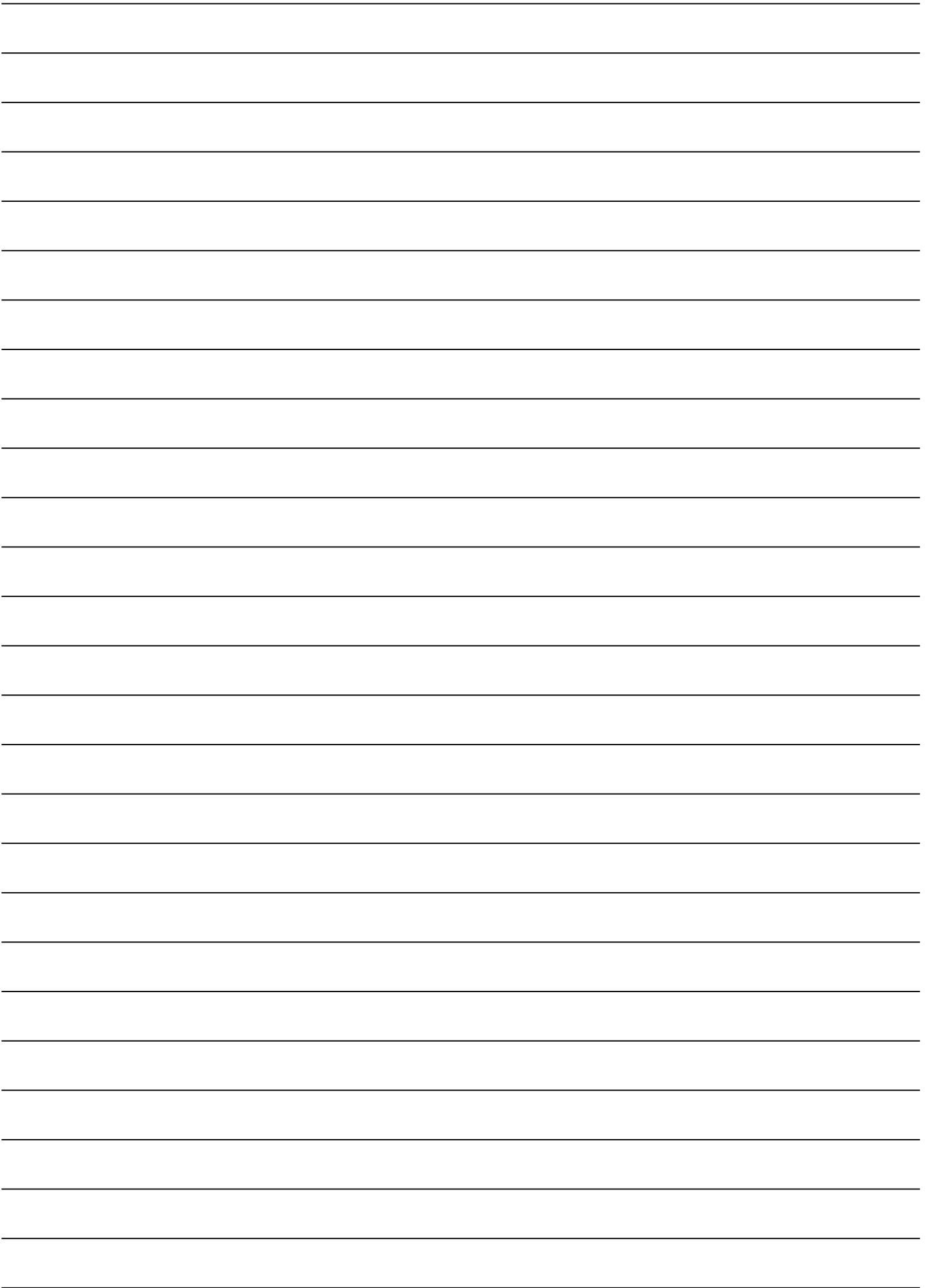
## Grilling

If you are grilling food directly on the wire rack, the universal pan should also be inserted at level 1. The liquid is then collected, keeping the oven cleaner.

Dish	Accessories and oven-ware	Level	Type of heating	Grill setting	Cooking time in minutes
Browning toast Preheat for 10 mins	Wire rack	4		3	1½-2
Beefburgers, 12 pieces* No preheating	Wire rack + universal pan	4+1		3	25-30

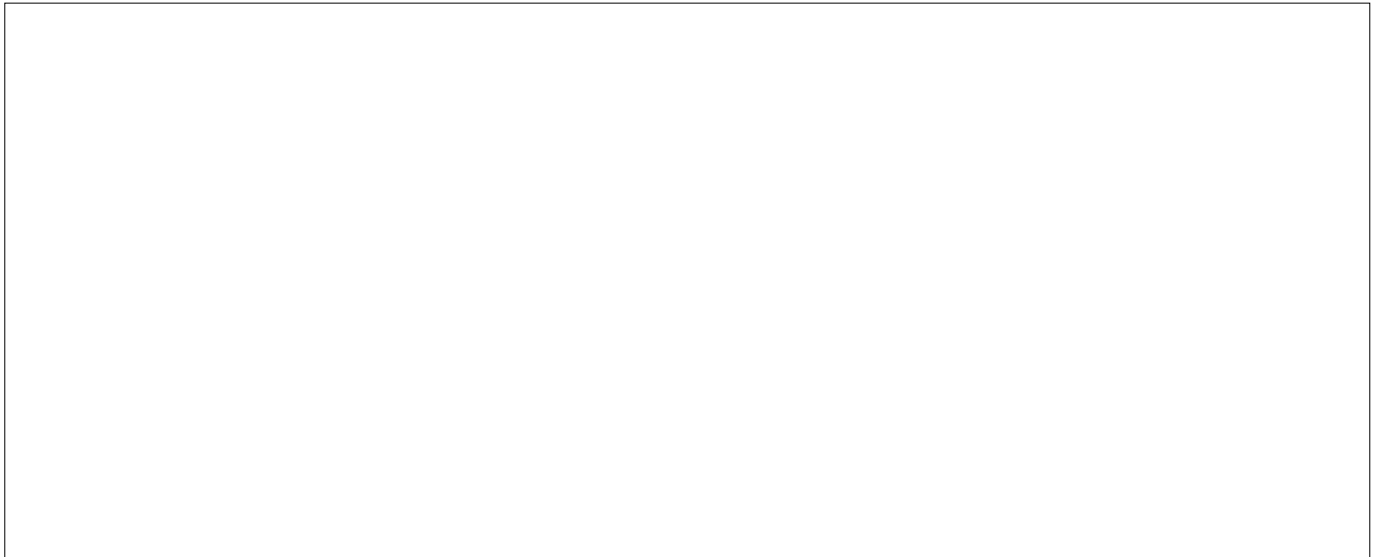
\* Turn over after 2/3 of the cooking time.











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