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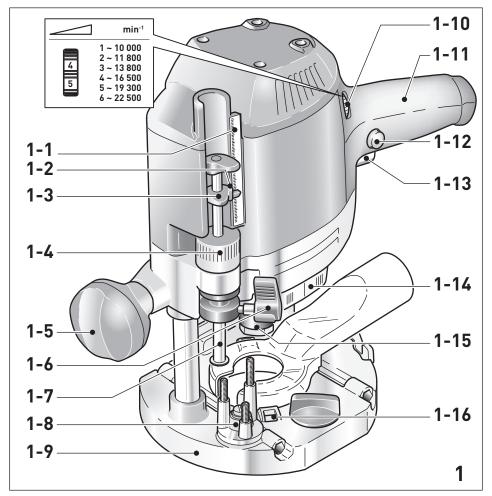
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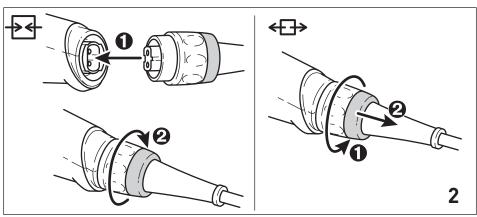


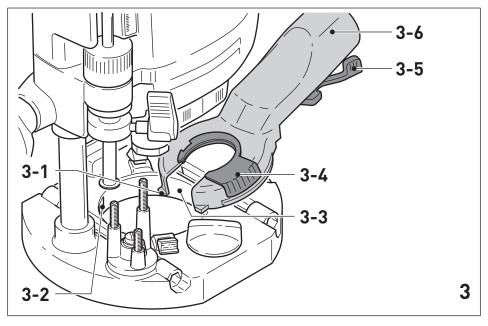
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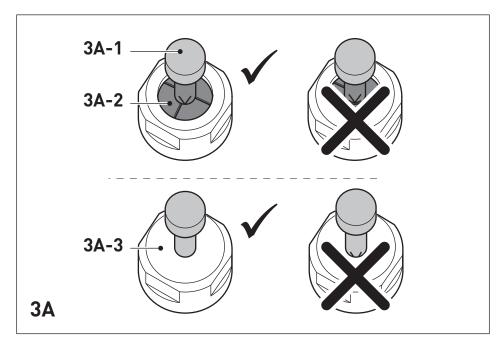


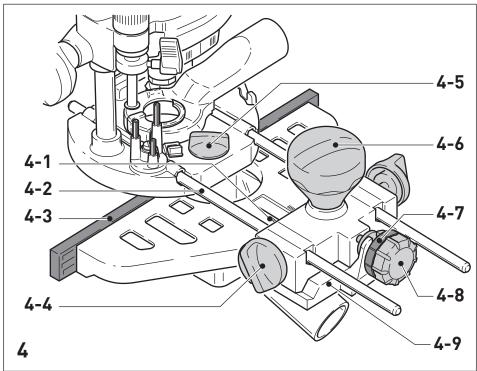


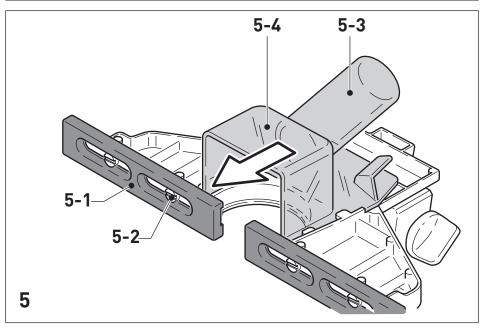


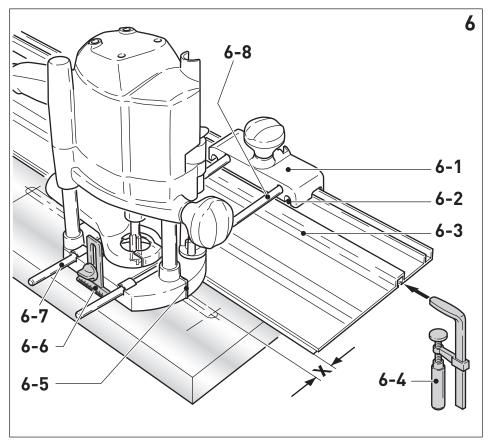


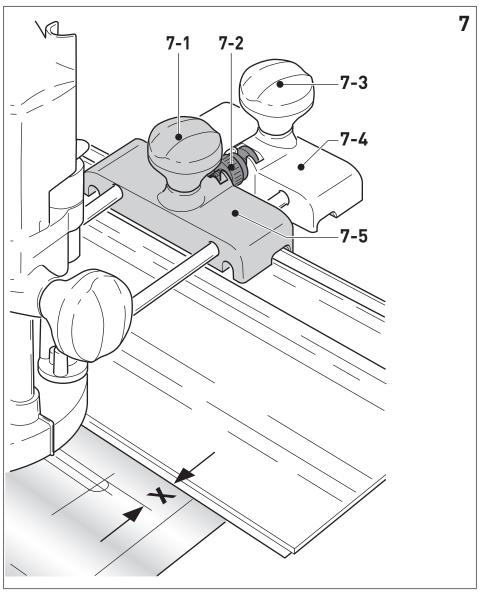


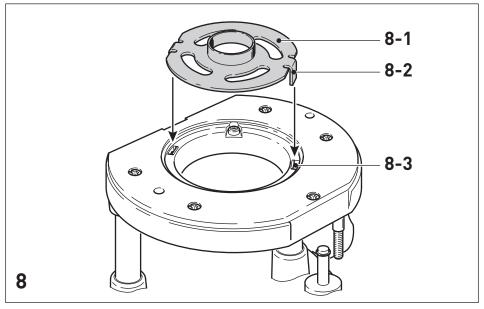


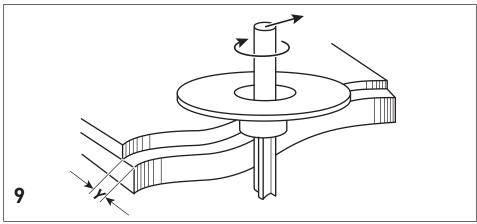


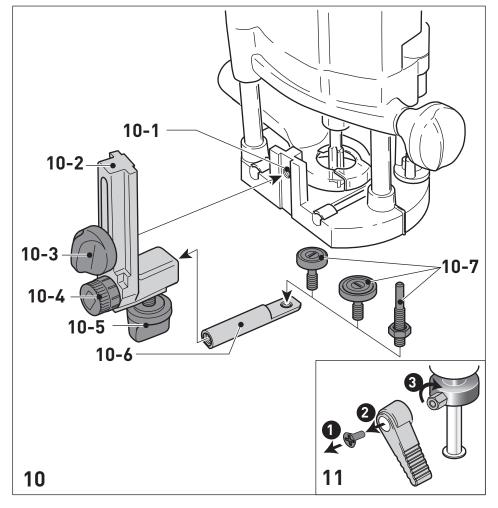














Declaration of Conformity

We as the manufacturer Festool GmbH, Wertstraße 20, 73240 Wendlingen, Germany declare under our sole responsibility that the product(s):

Designation:

Router

Designation of Type(s):

OF 1400 EBQ; OF 1400 EQ

Serial number(s) 1): 10464480, 10464484

fulfills all the relevant provisions of the following UK Regulations:

S.I. 2008/1597 Supply of Machinery (Safety) Regulations 2008
 S.I. 2016/1091 Electromagnetic Compatibility Regulations 2016

• S.I. 2012/3032 Restriction of the Use of Certain Hazardous Substances in Electrical

and Electronic Equipment Regulations 2012

and are manufactured in accordance with the following designated standards:

- BS EN 62841-1:2015
- BS EN 62841-2-17:2017
- BS EN 55014-1:2017
- BS EN 55014-2:2015
- BS EN IEC 61000-3-2:2019
- BS EN 61000-3-3:2013
- BS EN IEC 63000:2018

UK

Place and date of declaration: Wendlingen, 22.07.2021

Signed on behalf of and in name of Festool GmbH

Markus Stark

Head of Productdevelopment

Ralf Brandt

Head of Productconformity

¹⁾ in the specified serial number range (S-Nr.) from 400000000 – 499999999

Oberfräse Router Défonceuse	Seriennummer * Serial number * N° de série *	
OF 1400 EBQ	(T-Nr.) 10464480	
OF 1400 EQ	10464484	

- de EU-Konformitätserklärung. Wir erklären in alleiniger Verantwortung, dass dieses Produkt mit allen relevanten Anforderungen folgender EU-Richtlinien übereinstimmt, und folgende Normen oder normative Dokumente zugrunde gelegt wurden:
- **EU Declaration of Conformity.** We declare under sole responsibility that this product complies with all the relevant requirments in the following EU Directives, and following standards and normative documents were applied:
- **péclaration de conformité de l'UE.** Nous déclarons, sous notre seule responsabilité, que ce produit satisfait à toutes les exigences pertinentes des directives UE suivantes et repose sur les normes ou documents normatifs suivants :
- **Declaración UE de conformidad.** Declaramos bajo nuestra responsabilidad que este producto cumple todos los requisitos relevantes de las siguientes directivas de la UE y que se han tomado como base las siguientes normas o documentos normativos:
- **Dichiarazione di conformità UE.** Dichiariamo sotto nostra unica responsabilità che il presente prodotto sia conforme a tutti i requisiti di rilevanza definiti dalle seguenti Direttive UE e che siano stati applicati le seguenti norme o i seguenti documenti normativi:
- **nl EU-conformiteitsverklaring.** Wij verklaren en stellen ons ervoor verantwoordelijk dat dit product volledig voldoet aan alle volgende EU-richtlijnen en volgende normen of normatieve documenten daaraan ten grondslag gelegd werden:
- **EU-försäkran om överensstämmelse.** Vi förklarar på eget ansvar att denna produkt uppfyller alla relevanta krav enligt följande EU-direktiv och baseras på följande normer eller normgivande dokument:
- fi EU-vaatimustenmukaisuusvakuutus. Vakuutamme yksinomaisella vastuulla, että tämä tuote täyttää seuraavien EU-direktiivien kaikki olennaiset vaatimukset ja se on seuraavien standardien tai standardiasiakirjojen mukainen:
- **EU-overensstemmelseserklæring.** Vi erklærer med eneansvar, at dette produkt er i overensstemmelse med alle relevante krav i følgende EU-direktiver, og at følgende standarder eller normative dokumenter danner grundlag for det:
- nb EU-samsvarserklæring. Vi erklærer under eneansvar at dette produktet oppfyller alle relevante krav i følgende EU-direktiver og at følgende standarder eller normative dokumenter er blitt lagt til grunn:

- **Declaração de conformidade UE.** Sob nossa inteira responsabilidade, declaramos que este produto está de acordo com todas as exigências relevantes das seguintes diretivas UE, tendo sido tomadas por base as seguintes normas ou documentos normativos:
- **ги Декларация о соответствии ЕС.** Мы со всей ответственностью заявляем, что данная продукция соответствует всем применимым требованиям следующих Директив ЕС, стандартов и нормативных документов:
- **Prohlášení o shodě EU.** Prohlašujeme s veškerou odpovědností, že tento výrobek splňuje všechny příslušné požadavky následujících směrnic EU a že byly použity následující normy nebo normativní dokumenty:
- **Pl Deklaracja zgodności UE.** Niniejszym oświadczamy na własną odpowiedzialność, że produkt ten spełnia wszystkie obowiązujące wymogi następujących dyrektyw UE, norm lub dokumentów normatywnych.

2006/42/EC, 2014/30/ EU, 2011/65/EU

EN 62841-1: 2015 + AC:2015, EN 62841-2-17:2017, EN 55014-1:2017, EN 55014-2:2015, EN IEC 61000-3-2:2019, EN 61000-3-3: 2013, EN IEC 63000:2018



Unterzeichnet für und im Namen von/ Signed on behalf of and in name of/ Signé pour et au nom de

Festool GmbH

Wertstr. 20, 73240 Wendlingen, GERMANY Wendlingen, 2021-07-22

ppa. 1382

Markus Stark Head of Product Development

i.V. De Branckt

Ralf Brandt Head of Product Conformity

* im definierten Seriennummer-Bereich (S-Nr.) von 40000000 - 49999999

in the specified serial number range (S-Nr.) from 40000000 -

dans la plage de numéro de série (S-Nr.) de 40000000 - 4999999

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1 **Symbols**



Warning of general danger



Warning of electric shock



Read the operating instructions and safety instructions.



Wear ear protection.



Wear protective gloves when changing tools!



Wear a dust mask.



Wear protective goggles.



Pull out the mains plug



Do not dispose of it with domestic waste.



Safety class II



CE marking: Confirms the conformity of the power tool with the European Community directives.



Tip or advice



Handling instruction



Disconnecting the mains power cable



Connecting the mains power cable

UK

UKCA marking: The United Kingdom Conformity Assessed symbol is a marking for products being placed on the market in the United Kingdom. It is a manufacturers indication that the product is in conformance with the relevant regulations in the UK.

Safety warnings

2.1 General power tool safety warnings



WARNING! Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to

follow all instructions listed below may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

2.2 Machine-specific safety notices

- Hold the power tool by insulated gripping surfaces only, because the cutter may contact its own cord. Cutting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
- Use clamps or another practical way to secure and support the workpiece to a stable **platform.** Holding the work by your hand or against the body leaves it unstable and may lead to loss of control.
- Only cutters provided by Festool for this purpose may be mounted on the power **tool.** The use of other cutters is prohibited due to the increased risk of injury.
- The maximum rotational speed specified on the tool must not be exceeded or the rotational speed range must be observed. Accessories that rotate faster than the permissible level can rupture.
- Wait until the power tool has come to a complete halt before placing it down. The insertion tool can get caught and lead to a loss of control of the power tool.
- In the case of materials to be processed which can become statically charged or lead to static charging, a dissipative overall system consisting of an antistatic suction hose (AS) and extraction mobile must be used.

- Do not clamp tools with an unsuitable shank diameter in the clamping collet.
- Only use routers that meet standard EN 847-1. All Festool cutters meet these requirements.
- Ensure that the router bit is seated firmly and that it runs perfectly.
- The clamping collet and locking nut must not show any signs of damage
- Do not use cracked or deformed router bits.



Wear suitable personal protective equipment: Ear protection, safety goggles, a dust mask for work that generates dust.

 Only for AS/NZS: The tool shall always be supplied via residual current device with a rated residual current of 30 mA or less.

2.3 Sawing aluminium

When sawing aluminium, the following measures must be taken for safety reasons:

- Install an upstream residual-current circuit breaker (RCD, PRCD).
- Connect the power tool to a suitable dust extractor with an antistatic suction hose.
- Regularly clean dust deposits from the motor housing on the power tool.



Wear protective goggles.

2.4 Emission levels

The levels determined in accordance with EN 62841 are typically:

Sound pressure level	$L_{PA} = 95 \text{ dB(A)}$
Sound power level	$L_{WA} = 106 dB(A)$
Uncertainty	K = 3 dB



CAUTION

Noise generated when working Risk of damage to hearing

► Use ear protection.

Vibration emission level a_h (vector sum for three directions) and uncertainty K measured in accordance with EN 62841:

 $a_h < 2.5 \text{ m/s}^2$

 $K = 1.5 \text{ m/s}^2$

The specified emission levels (vibration, noise)

- are used to compare machines.
- They are also used for making preliminary estimates regarding vibration and noise load during operation.
- They represent the primary applications of the power tool.

CAUTION

The emission values may deviate from the specified values. This is dependent on how the tool is used and the type of workpiece being machined.

- The actual load during the entire operating cycle must be evaluated.
- Depending on the actual load, suitable protective measures must be defined in order to protect the operator.

3 Intended use

The router is designed for routing wood, plastics and wood-based materials.

If the cutters are used for the intended purpose outlined in the Festool Sales, they may also be used to machine aluminium and plasterboard.



The user is liable for improper or non-intended use.

4 Technical data

Router	OF 1400 EBQ OF 1400 EQ
Power consumption	1400 W
Speed	10,000-22,500 rpm
Max. speed (no-load)	23,000 rpm
Quick depth adjustment	70 mm
Fine depth adjustment	8 mm
Drive shaft connecting thread	M22 x 1.0
cutter diameter	Max. 63 mm
Weight as per EPTA procedure 01:2014:	4.4 kg

5 Parts of the device

[1-1] Depth stop scale

[1-2] Indicator screw

[1-3] Depth stop indicator

[1-4] Routing depth fine adjustment

[1-5] Handle/Height adjustment

[1-6] Depth stop clamp lever

[1-7] depth stop

[1-8] Stepped stop

[1-9] Router table

[1-10] Speed adjusting wheel

[1-11] Handle

[1-12] On/off switch locking button

[1-13] On/off switch

[1-14] Spindle stop

[1-15] Nut

[1-16] Button for releasing the copying ring

The specified illustrations appear at the beginning of the Operating Instructions.

Accessories shown or described are not always included in the scope of delivery.

6 Commissioning



WARNING

Unauthorised voltage or frequency. Risk of accidents

- ➤ The mains voltage and the frequency of the power source must correspond to the specifications on the name plate.
- ► In North America, only Festool machines with the voltage specifications 120 V / 60 Hz may be used.



CAUTION

Heating of the plug it connection if bayonet fitting is not completely locked Risk of burns

- ► Before switching on the power tool, make sure that the bayonet fitting at the mains cable is closed fully and locked.
- Connect and disconnect the mains power cable [2].

6.1 Switching on/off

The switch [1-13] is an on/off switch (press = ON, release = OFF).

The on/off switch with the locking button [1-12] can be engaged to operate in continuous mode. Press the on/off switch again to release the lock.

7 Settings

1 4

WARNING

Risk of injury, electric shock

Always disconnect the mains plug from the socket before performing any work on the machine.

7.1 Electronics

Speed control

You can continuously adjust the speed within the speed range using the adjusting wheel **[1-10]** (see "Technical data").

This enables you to optimise the cutting speed to suit the respective material.

Material	Cutter diameter (mm)			Recom-		
	10-25	25-40	40-60	mended cutting ma-		
	Adjusting wheel setting					
Hardwood	6-4	5–3	3–1	HW (HSS)		
Soft wood	6-5	6-3	4–1	HSS (HW)		
Coated chipboard	6–5	6–3	4–2	HW		
Plastic	6-4	5–3	2–1	HW		
Alumini- um	3–1	2–1	1	HSS (HW)		
Plaster- board	2–1	1	1	HW		

Temperature cut-out

The power supply is restricted and the speed reduced if the motor exceeds a certain temperature. The power tool continues operating at reduced power to allow the ventilator to cool the motor quickly. The power tool starts up again automatically once the motor has cooled sufficiently.

Restart protection

The built-in restart protection prevents the power tool from starting up again automatically if the power is disconnected when the on/off switch is pressed. In this case, the power tool must be switched off and then switched back on again.

Due to the built-in restart protection, the power tool cannot be switched on and off via an external switch module.

Brake

The OF 1400 EBQ has an electronic brake which brings the spindle with tool to a standstill within approx. 2 seconds of the tool being switched off.

7.2 Changing tools





CAUTION

Risk of injury from hot and sharp insertion tool

- Do not use any blunt or faulty insertion tools.
- Wear protective gloves when handling an insertion tool.

To change tools, turn the power tool upside down.

Inserting the tool

- ► Insert the routing tool into the open collet as far as possible or at least up to the mark ✓ on the router shank.
- i If the collet [3A-2] cannot be seen due to the union nut [3A-3], the routing tool [3A-1] must be inserted into the collet to the extent that the mark ∠ no longer projects beyond the union nut.
- Press the switch [1-14] for the spindle stop on the right-hand side.
- ➤ Tighten the nut **[1-15]** using an open ended spanner (WAF 24).
- i The spindle stop only jams the motor spindle in one direction of rotation. Therefore, there is no need to use a spanner for tightening and loosening nuts. Instead, a ratchet can be moved backwards and forwards.

Removing the tool

- Press the switch [1-14] for the spindle stop on the left-hand side.
- Undo the nut [1-15] using an open ended spanner (WAF 24) until you can feel resistance. Overcome the resistance by continuing to turn the open ended spanner.
- ► Remove the router.

7.3 Changing the collets

Collets are available for the following shaft diameters: 6.0 mm; 6.35 mm; 8.0 mm; 9.53 mm; 10.0 mm; 12.0 mm; 12.7 mm (See Festool catalogue or online at www.festool.com for the order numbers)

- Completely unscrew the nut [1-15] and remove it together with the collet.
- Only insert a new collet into the spindle if a nut is fitted and engaged.
- Gently screw in the nut. Do not tighten the nut if no cutter is inserted.

7.4 Setting the routing depth

The routing depth is set in three steps:

- 1. Set the zero point, see 7.5.
- 2. Specify the routing depth, see 7.6.
- 3. Clamp the routing depth, see 7.7.

7.5 Setting the zero point

- ► Release the clamp lever [1-6] so that the depth stop [1-7] can move freely.
- ► Position the router with the router table [1-9] on a level surface. Open the rotary knob [1-5] and push the power tool downwards until the cutter sits on the surface.
- Clamp the power tool in this position by closing the rotary knob [1-5].
- Press the depth stop [1-7] against one of the three fixed stops of the rotatable stepped stop [1-8].

A screwdriver can be used to individually adjust the height of each fixed stop.

- ► Push the indicator [1-3] downwards so that it points to 0 mm on the scale.
- i If the zero position is incorrect, this can be corrected using the screw [1-2] on the indicator [1-3].

7.6 Specifying the routing depth

The required routing depth can be specified using either quick depth adjustment or fine depth adjustment.

Quick depth adjustment

- Pull the depth stop [1-7] upwards until the indicator [1-3] points to the required routing depth.
- Clamp the depth stop in this position using the clamp lever [1-6].

Fine depth adjustment

- Clamp the depth stop using the clamp lever [1-6].
- ► Set the required routing depth by turning the adjusting wheel [1-4].
- Turning the adjusting wheel by a mark changes the routing depth by 0.1 mm. A full rotation changes the routing depth by 1 mm. The maximum adjustment range for the adjusting wheel is 8 mm.

7.7 Clamping the routing depth

- Open the rotary knob [1-5] and push the power tool down until the depth stop touches the fixed stop.
- Clamp the power tool in this position by closing the rotary knob [1-5].

7.8 Dust extraction



WARNING

Heath hazard posed by dust

- ► Always work with an extractor.
- Comply with national regulations.
- Install the dust extraction attachment on the router table:
 - Position the dust-extraction attachment with the two tenons [3-1] in the recesses [3-2] on the router table.
 - Position the dust-extraction attachment on the router table and pull the lever [3-5].
- To enable the dust-extraction attachment to be attached and removed when the router is fitted, the cut-out [3-3] in the extractor connector can be opened by turning the segment [3-4].

To ensure optimal dust extraction, the cutout with the rotatable segment must be closed while work is carried out.

A Festool dust extractor with an extractor hose diameter of 36 mm or 27 mm (36 mm recommended due to the reduced risk of clogging) can be connected to the extractor connector [3-6].

CAUTION! If an anti-static suction hose is not used, static charge may occur. The user may receive an electric shock and the electronics of the power tool may be damaged.

Chip deflector KSF-OF

The chip deflector KSF-OF (available as an accessory depending on the model) can improve the efficiency of the dust extraction system when edge routing.

The chip deflector is installed in the same way as the copying ring, see figure [8].

A hacksaw can be used to cut along the grooves of the guard and therefore make it smaller. The chip deflector can then be used for inner radii down to a minimum radius of 40 mm.

8 Working with the electric power tool

When working on the machine, observe all of the safety warnings that are listed at the start as well as the following rules:

 Only guide the power tool towards the workpiece when it is switched on.

- Always secure the workpiece in such a way that it cannot move during machining.
- When working, always hold the power tool with both hands on the handles [1-5] + [1-11]. This is a prerequisite for precise work and is essential for plunge-cutting. Plunge into the workpiece slowly and evenly.
- When routing, ensure that the power tool's feed direction is the same as the tool's cutting direction, see figure [9].

8.1 Freehand routing

Freehand routing is the method normally used for lettering or shapes, and for routing edges using cutters with a guide pin or ring.

8.2 Routing with a parallel side fence

For work running parallel to the workpiece edge, the supplied parallel side fence [4-9] can be used.

- Clamp the two guide rods [4-2] to the parallel side fence using the two rotary knobs [4-4].
- ► Insert the guide rods into the grooves of the router table to the required extent and clamp them using the rotary knob [4-5].

Fine adjustment

- Open the rotary knob [4-6] to make a fine adjustment using the adjusting wheel [4-8]. The scale ring [4-7] has a 0.1 mm scale for this purpose. If the adjusting wheel is held, the scale ring can be turned separately so that it can be set to zero. The scale [4-1] displays the adjustment in millimetres.
- Close the rotary knob [4-6] after making a fine adjustment.
- Set the two guidance jaws [4-3] [5-1] so that they are approx. 5 mm from the cutter.
 To do this, loosen the screws [5-2] and retighten them after making an adjustment.
- As shown in figure [5], push the dust-extraction attachment [5-4] from behind until it engages on the parallel side fence.
- i An extractor hose with a diameter of 27 mm or 36 mm should be connected at the extractor connector [5-3].

8.3 Routing with the FS guide system

The guide system (available as an accessory) makes it easier to route straight grooves.

Secure the guide rail adapter [6-1] to the router table using the guide rods [6-8] of the parallel side fence.

- Secure the guide rail [6-3] to the workpiece using fastening clamps [6-4].
 Ensure that there is a safety distance X of (see figure [6]) 5 mm between the front edge of the guide rail and the cutter, or the groove
- Place the guide rail adapter on the guide rail, as shown in figure [6]. To ensure that the router stop can be guided without play, use a screwdriver through the top openings [6-2] on the side to adjust the two guidance jaws.
- ➤ Tighten the height-adjustable support **[6-6]** on the threaded hole of the router table so that the underside of the router table is parallel to the workpiece surface.

When working with marking-up lines, the marks on the platen **[6-5]** and the scale on the support **[6-6]** show the centre axis of the cutter.

Fine adjuster

The fine adjuster (available as an accessory, **[7-5]**) can be used to precisely adjust distance X.

- ► Install the fine adjuster [7-5] on the guide rods between the power tool and the guide rail adapter [7-4].
- ► Insert the adjusting wheel [7-2] into the guide rail adapter, as shown in the figure [7].
- Screw the adjusting wheel [7-2] into the nuts of the fine adjuster.

To adjust distance X:

- Open the rotary knob [7-1] for the guide rail adapter and close the rotary knob [7-3] for the fine adjuster.
- ► Adjust to required distance X by turning the adjusting wheel [7-2].
- ► Close the rotary knob [7-1] for the guide rail adapter.

8.4 Copy cutting

A copying ring or the copying device is used to exactly reproduce existing workpieces (accessories).

Copying ring

When choosing the size of the copying ring, ensure that the cutter being used fits through its opening.

Excess Y (figure **[9]**) of the workpiece to the template is calculated as follows:

Y = (copying ring diameter - cutter diameter)/2

- Attach the copying ring [8-1] to the router table: Insert the two tenons [8-2] into the recesses [8-3].
- ➤ To remove the copying ring: Press the two buttons [1-16] inwards at the same time.

Copying device

The copying device requires the angle arm WA-OF [10-2] and the copier scanning set KT-OF, consisting of a roller support [10-6] and three copying rollers [10-7].

- ► Use the rotary knob [10-3] to tighten the angle arm to the required height on the threaded hole [10-1].
- Fit a copying roller to the roller support and use the rotary knob [10-5] to tighten it on the angle arm. Make sure that the copying roller and the router have the same diameter.
- ► The distance between the feeler roller and the cutter axis can be adjusted by turning the adjusting wheel [10-4].

9 Service and maintenance



WARNING

Risk of injury, electric shock

- Always pull the mains plug from the socket before performing any servicing and maintenance work.
- ► All maintenance and repair work which requires the housing to be opened should always be carried out by an authorised service workshop.



Customer service and repairs must only be carried out by the manufacturer or service workshops. Find the nearest address at:

www.festool.co.uk/service



Always use original Festool spare parts. Order no. at:

www.festool.co.uk/service

The tool is equipped with special self-disconnecting carbon brushes. If they wear out, the power supply is disconnected automatically and the tool stops.

Observe the following instructions:

Damaged safety devices and components must be repaired or replaced in a recognised specialist workshop, unless otherwise indicated in the operating instructions. To ensure constant air circulation, always keep the cooling air openings in the housing clean and free of blockages.

To change the position of the clamp lever [11]

- Undo the screw.
- Remove the clamp lever and tighten the hexagon screw.
- Put the clamp lever back into the required position and secure it with a screw.

10 Accessories

Always use original Festool tools and accessories. Using low-quality tools or accessories from other manufacturers may increase the risk of injury and seriously unbalance the machine, decreasing the quality of the working results and accelerating power tool wear.

Refer to the Festool catalogue for the order numbers of accessories and tools or find them online at www.festool.co.uk.

11 **Environment**



Do not dispose of the device in the household waste! Recycle devices, accessories and packaging. Observe applicable national regulations.

In accordance with the European Directive on waste electrical and electronic equipment and implementation in national law, used power tools must be collected separately and handed in for environmentally friendly recycling. Information about collection points for correct disposal is available at www.festool.co.uk/ recycling.

Information on REACH: www.festool.co.uk/ reach

12 General information

Imported into the UK by

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