Festool Group GmbH & Co. KG
Wertstraße 20
73240 Wendlingen
Germany

www.festoolusa.com

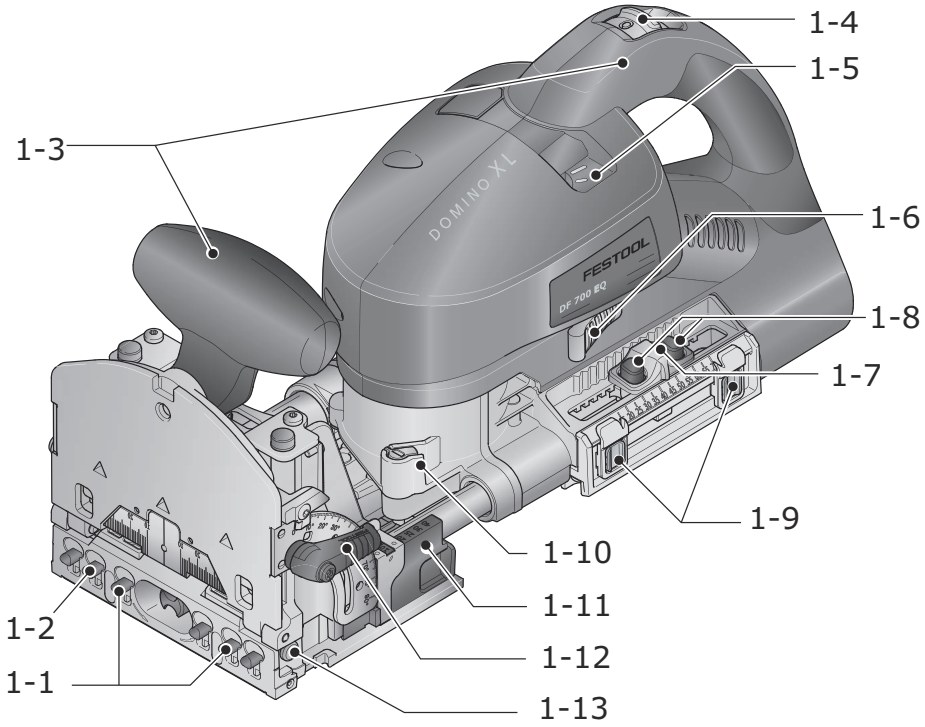
FESTOOL

Instruction manual
Guide d'utilisation
Manual de instrucciones

DOMINO XL

DF 700 EQ

702976_005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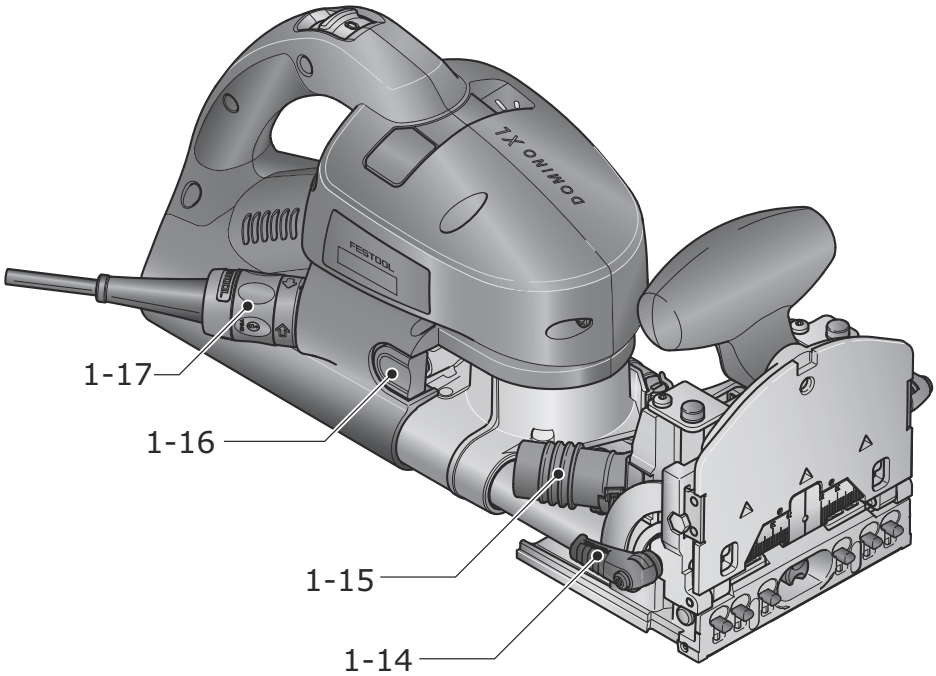
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Contents

Symbols

V Volts

Hz Hertz

~ Alternating current

Ø Diameter

min^{-1}; rpm Revolutions or reciprocation per minute

n speed

$n_{0\ max}$ maximal no load speed

mm millimeter

advise, hint

Class II Construction


Warning of general danger


Risk of electric shock


Read the Operating Instructions/Notes!


Wear ear protection.


Wear a dust mask.


Wear protective gloves.


Burning risks from hot surfaces!


Disconnect from the power supply!

Safety instructions

General safety instructions

WARNING! Read all safety warnings and all instructions. Failure to follow the warnings and instructions 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.

1 WORK AREA SAFETY

a. **Keep work area clean and well lit.** Cluttered and dark areas invite accidents.

b. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.

c. **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

2 ELECTRICAL SAFETY

a. **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.

b. **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.

c. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.

d. **Do not abuse the cord. Never use the cord for**

carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.

e. **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.

f. **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

3 PERSONAL SAFETY

a. **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.

b. **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

c. **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.

d. **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.

e. **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.

f. **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.

g. **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.

h. **Do not let familiarity gained from freuquent use of tools allow you to become complacent and ignore, tool safety principles.** A careless action can cause severe injury within a fraction of a second.

4 POWER TOOL USE AND CARE

a. **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.

b. **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

c. **Disconnect the plug from the power source and/or battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.

d. **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.

e. **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.

f. **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

g. **Use the power tool, accessories and tool bits etc. in accordance with these instructions taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

h. **Keep handles dry, clean and free from oil and grease.** Slippery handles do not allow for safe handling and control of the tool in unexpected situations.

5 SERVICE

a. **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

Machine-related safety instructions

- **The tools must be rated for at least the speed marked on the power tool.** Tools running over rated speed can fly apart and cause injury.
- **Always use the guard.** The guard protects the operator from broken tool fragments and unintentional contact with the tool.
- **Hold power tool by insulated gripping surfaces, because the cutter may contact its own cord.** Cutting a "live" wire may make exposed metal

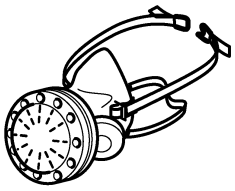
parts of the power tool "live" and could give the operator an electric shock.

– **Keep hands away from the cutting area.** Never place your hand on the front face of the fence while the tool is running.
– **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.
– **Never use dull or damaged mortising bits.** Dull or damaged mortising bits can cause the tool to lurch sideways unexpectedly and lead to a loss of control of the power tool.
– **Do not resharpen cutters more than twice.** Resharpened cutters may affect the precision of the cutting results.
– **Do not operate the tool if the spring-loaded fence does not return to its forward rest position.** The fence covers the mortising bit and prevents accidental contact. If the slides of the fence do not move freely, have the tool serviced immediately.
– **Wait until the power tool stops completely until placing it down.** The tool can become entangled and lead to a loss of control of the power tool.

Health hazard by dust

WARNING! Various dust created by power sanding, sawing, grinding, drilling and other construction activities contains chemicals known (to the State of California) to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- lead from lead-based paints,
- crystalline silica from bricks and cement and other masonry products, and
- arsenic and chromium from chemicallytreated lumber.



The risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as dust masks that are specially designed to filter out microscopic particles. Wash hands after handling.

WARNING

TO REDUCE THE RISK OF INJURY, USER MUST READ INSTRUCTION MANUAL.

Technical data

Joiner	DF 700 EQ
Power	720 W
Speed (no load) n_0	21000 rpm
Routing depth	15 - 70 mm
Routing width, max.	16,5 mm + Ø cutter
Ø cutter, max.	14 mm
Connecting thread of the drive shaft	M8 x 1
Weight (excluding cable)	5,2 kg
Safety class	⧈ /II

Intended use

The machine is intended to create DOMINO dowel connections in hard and soft wood, chipboard, plywood and fibreboard. All applications beyond this are regarded as unintended use.

The machine is designed and approved for use by trained persons or specialists only.

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

Functional description

The pictures for the functional description are on a fold-out page at the beginning of the instruction manual. When reading of the manual you can fold out this page for having always an overview of the machine.

[1-1] Rubber buffer
[1-2] Stop pins
[1-3] Handles
[1-4] On/Off switch
[1-5] Display for dowel hole width
[1-6] Adjusting lever for dowel hole width
[1-7] Slide for routing depth adjustment
[1-8] Snap button for routing depth adjustment
[1-9] Marker for routing depth adjustment
[1-10] Unlocking of motor unit/guide frame
[1-11] Selection slide for routing height adjustment
[1-12] Clamp lever for routing angle adjustment
[1-13] Button for releasing stop pins
[1-14] Clamp lever for routing height adjustment
[1-15] Extractor connector
[1-16] Spindle lock
[1-17] Mains power cable

Electronics

The machine features full-wave electronics with the following features:

Smooth start-up

The electronically controlled smooth start-up ensures that the machine starts up jolt-free.

Constant speed

The motor speed remains constant through electronic control to ensure a uniform cutting speed even when under load.

Temperature cut-out

The machine power supply is limited and the speed reduced if the motor exceeds a certain temperature. The machine continues operating at reduced power to allow the ventilator to cool the motor quickly. If the machine temperature exceeds the maximum permitted value for longer periods, the machine switches off completely after approx. 40 seconds and can only be switched on again once the motor has cooled sufficiently.

Restart protection

The integral restart protection prevents the machine from automatically starting up again after an interruption in power when the machine is used in continuous operating mode. In this case the machine must be switched off and then switched back on again.

Settings

WARNING

Unauthorised voltage or frequency!
Risk of accident

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

Initial operation

WARNING

Risk of injury, electric shock

- ▶ Always pull the mains plug out of the socket before performing any type of work on the machine!

- ▶ With the joiner unplugged, inspect the mortising bit. Make sure it is not bent, chipped, or otherwise damaged, and make sure the bit is fully

tightened on the spindle (Refer to "Settings - Changing tools").

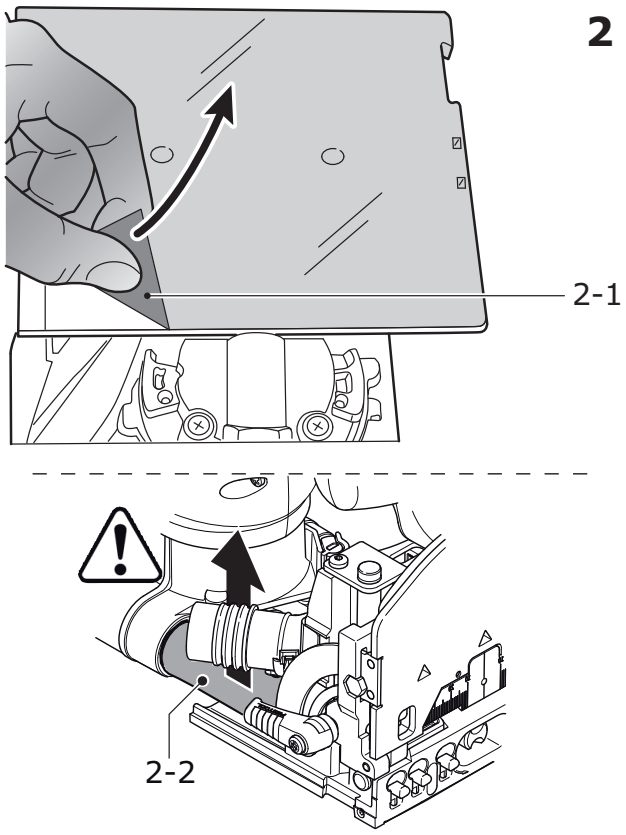
WARNING

Mortising bits that are bent or damaged should no longer be used.

Risk of injury

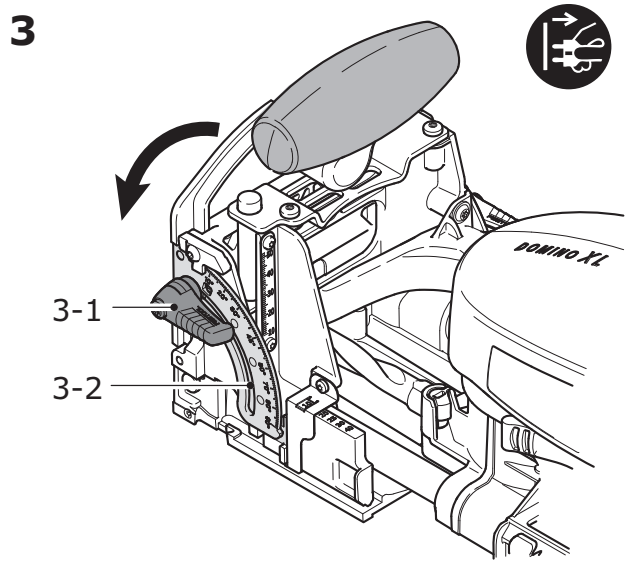
- ▶ Check regularly whether the mortising bit is in good condition.

- ▶ Peel off the protective film **[2-1]** from the bottom of the joiner baseplate.
- ▶ Remove the transport safety device **[2-2]**.



- ▶ Set up the joiner for the appropriate type of operation as described throughout the remainder of this section.
- ▶ Make sure that the fence height and angle locking levers are properly tightened.
- ▶ Install the power cord into the Plug-It receptacle on the joiner (Refer to "Operation - Plug it Power Cord").

Setting the Fence Angle



Some joints require the fence to be set to an angle from the mortising bit. The most common application is for making a mitered joint.

- ▶ Unplug the joiner for saftey.
- ▶ Loosen the clamp lever for the angle adjustment **[3-1]**.
- ▶ Set the desired angle:
  - ▶ using the scale **[3-2]** variable from 0° to 90°.
  - ▶ locking at 0°; 22.5°; 45°; 67.5°; 90°.
- ▶ Close the clamp lever **[3-1]**.

Set the routing height and depth as low as possible when mitre routing as otherwise there is a risk that the cutter will come out the other side.

ⓘ The alignment of the clamp lever **[3-1]** can be aligned by raising the levers. When tightened, the levers should not protrude beyond the contact surface.

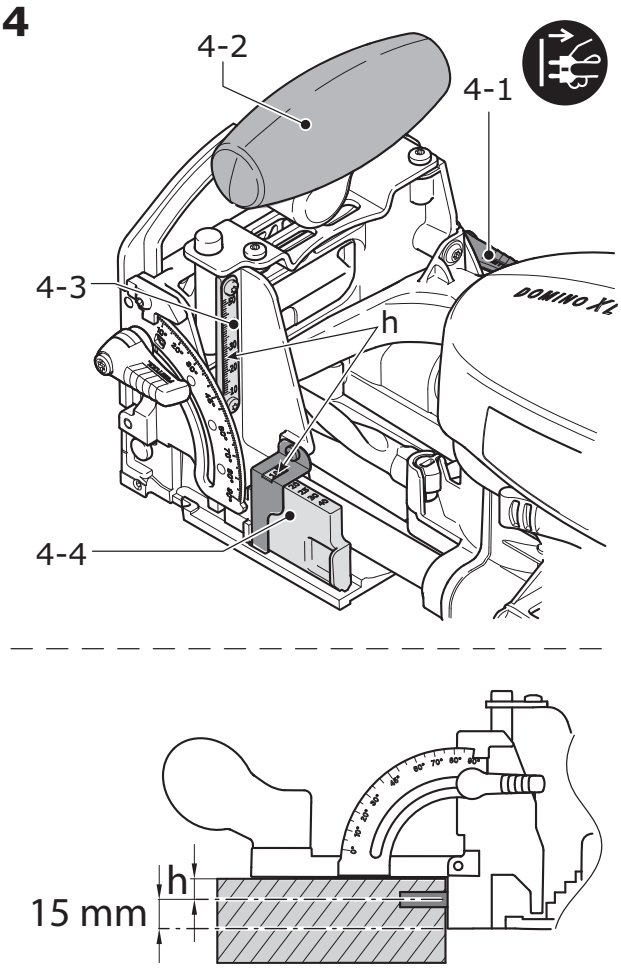
Setting the Fence Height

The height of the fence needs to be adjusted depending on the type of joint being made and the thickness of the material being joined. The height h

is the distance between the bottom of the fence face and the centerline of the mortising bit.

There are two features available for setting the fence height:

4



a) with selection slide

- ▶ Loosen the clamp lever for the routing height adjustment **[4-1]**.
- ▶ Using the front handle **[4-2]** raise the front part of the guide frame.
- ▶ Use the selection switch to set **[4-4]** the desired routing height **h** (10 mm; 15 mm; 20 mm; 25 mm; 30 mm; 40 mm).
- ▶ Press the front section of the guide frame downwards as far as the stop.
- ▶ Close the clamp lever **[4-1]**.

b) freely selectable

- ▶ Loosen the clamp lever for the routing height adjustment **[4-1]**.
- ▶ Using the front handle **[4-2]** raise the front section of the guide frame.
- ▶ Pull the selection slide **[4-4]** as far as the stop in the direction of the motor unit.
- ▶ Set the desired routing height **h** using the scale **[4-3]** by moving the front section of the guide frame vertically.
- ▶ Close the clamp lever **[4-1]**.

ⓘ The alignment of the clamp lever **[4-1]** can be aligned by raising the levers. When tightened, the levers should not protrude beyond the contact surface.

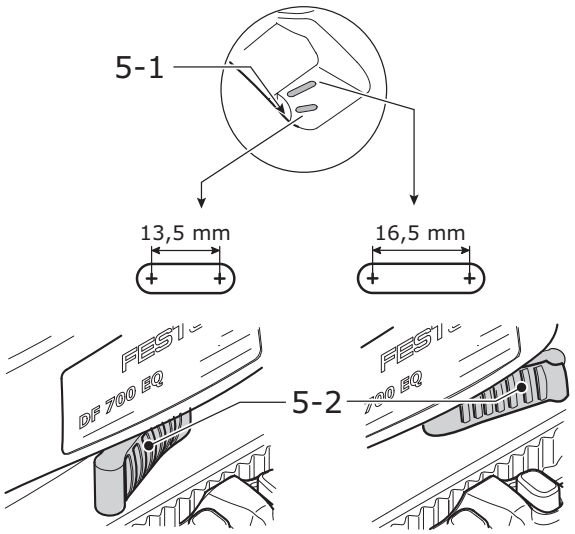
Setting the Mortise Width

CAUTION

Damage to the tool; bend or break the mortising bit

- ▶ Never force the lever to turn.
- ▶ Never rotate the lever during a plunging operation.

5



Use the adjusting lever **[5-2]** to adjust the width of the dowel hole you intend to cut for an adequate fit or set with 3 mm play:

Tight fitting dowel	13.5 mm + cutter diameter
Dowel with lateral play	16.5 mm + cutter diameter

You can see on the display **[5-1]** what dowel hole width is selected.

Setting the Mortise Depth

The mortising depth determines how deep into the workpiece the mortising bit penetrates. This needs to be adjusted for different sized tenons.

In most cases, the tenon should be centered across the joint, and the depth of the mortise should be ½ the length of the tenon. However, in some cases you may want to have more of the tenon in one piece than the other. In this case, the sum of the two depths must equal the length of the tenon.

WARNING

Cutter can come out at the rear side of the workpiece.

Risk of injury

▶ Set the routing depth at least 5 mm less than the workpiece thickness.

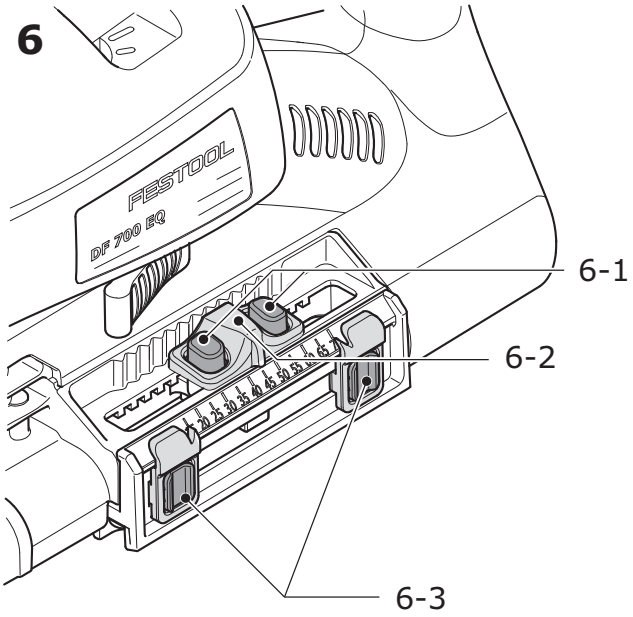
▶ Press one or two snap buttons **[6-1]**.

▶ Set the slide for the routing depth setting **[6-2]** to the desired routing depth (15 - 70 mm).

▶ Release the snap buttons **[6-1]**.

ⓘ With the two markers **[6-3]**, you can mark two routing depths and switch easily between them using the slide **[6-2]**(e.g. for asymmetric DOMINO dowel depth distribution).

6



Changing tools

Different mortising bits are available for a variety of Domino tenon sizes. The DF 700 EQ comes equipped with a 12 mm bit, and 8, 10 and 14 mm bits are available as an option.

WARNING

Risk of injury, electric shock

▶ Always pull the mains plug out of the socket before performing any type of work on the machine!

CAUTION

Hot and sharp tools

Risk of injury

▶ Wear protective gloves.

WARNING

Risk of injury

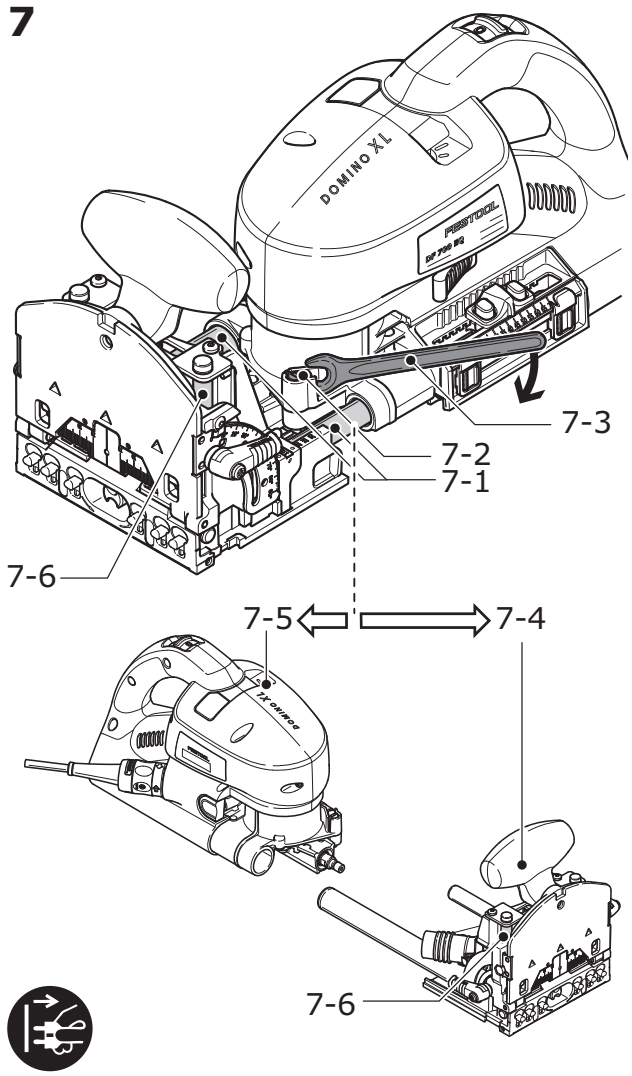
▶ Never use dull or damaged mortising bits.

▶ Only mortising bits provided by Festool for this purpose may be mounted on the power tool.

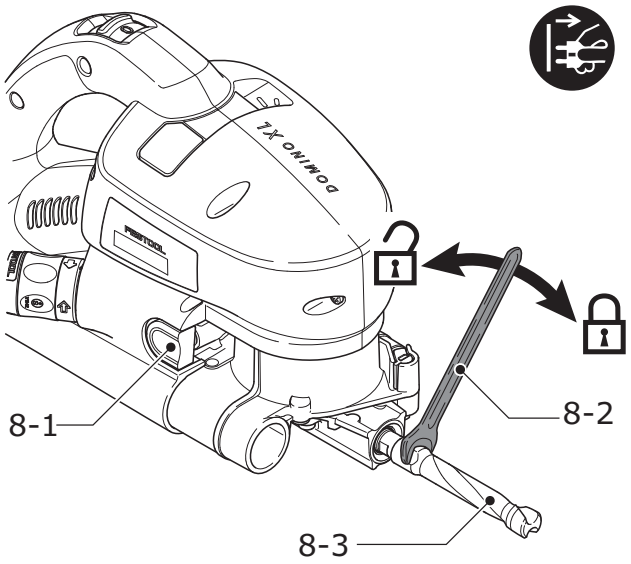
▶ Do not resharpen mortising bits more than twice.

Removing the tool

7



- ▶ Lift the unlocking device **[7-2]** until it audibly disengages using the open-ended spanner **[7-3]** supplied (SW 12).
- ▶ Separate the motor unit **[7-5]** from the guide frame **[7-4]**.
- ▶ Press and hold the spindle lock **[8-1]**.
- ▶ Loosen the cutter **[8-3]** using the open-ended spanner **[8-2]** and remove.
- ▶ Release the spindle lock **[8-1]**.



8

Inserting the tool

WARNING

Risk of injury

- ▶ Before inserting a new cutter ensure that the machine, the guide frame and the guides **[7-1]** and **[7-6]** are clean.
- ▶ Remove any contamination that may be present.
- ▶ Only use sharp, undamaged and clean tools.

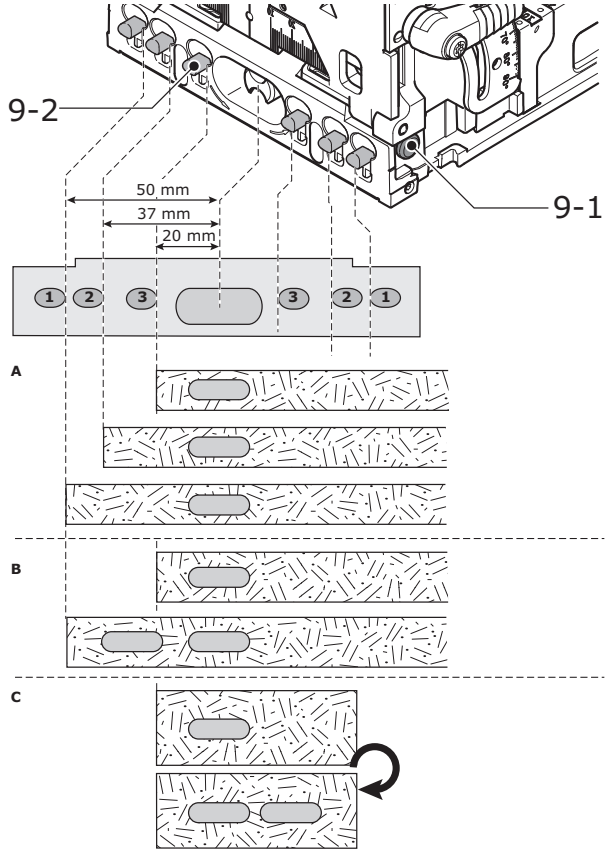
- ▶ Press and hold the spindle lock **[8-1]**.
- ▶ Use the open-ended spanner **[8-2]** to screw on the cutter **[8-3]**.
- ▶ Release the spindle lock **[8-1]**.
- ▶ Slide the guide frame **[7-4]** onto the motor unit **[7-5]** until it audibly engages.

Setting stop pins

The stop pins on the front of the fence are used to register the tool against the edge of the workpiece. This provides rapid and precise placement of the tool on the workpiece.

Six stop pins **[9-2]** are available on the stop side of the DOMINO joining machine.

Stop pins that are not required can be individually engaged by exerting overpressure and released using the button **[9-1]**.



These serve as spacers to the cutter centre and can be inserted at different locations - see image **[9]**:

A	Three possible spacings to a supply side (1 - 2 - 3)
B	Two dowel holes beside each other from a supply side (1 - 3)
C	Two dowel holes by changing the workpiece, e.g. for cross-section cut.

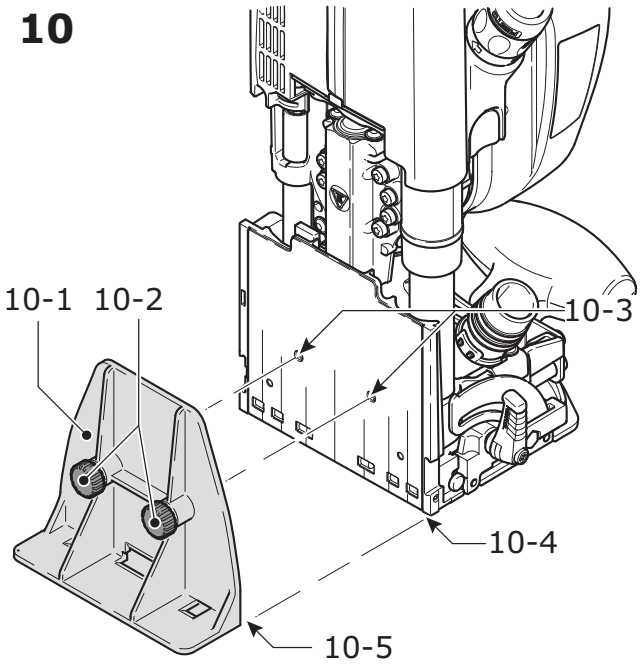
Widening the contact surface

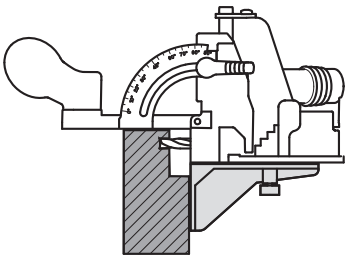
The contact surface widening device **[10-1]** can be used to enlarge the contact surface when routing on the workpiece edge, thus allowing safer guidance of the machine.

▶ Secure the contact surface widening device using the two screws **[10-2]** on the threaded holes **[10-3]** of the guide frame.

The contact surfaces of the contact surface widening device **[10-5]** *and the table* **[10-4]** *must be level.*

10





Operation

Please observe all mentioned safety informations and the following rules when working:

– Always secure the workpiece in such a manner that it cannot move while being processed.

– Always hold the machine with two hands on the handles **[1-3]** when performing work. This reduces the risk of injury and is a prerequisite for precise work.

– Close the clamp lever for routing height adjustment **[1-14]** and the clamp lever for angle adjustment **[1-12]** to avoid unintentional loosening during operation.
– Adapt the feed rate to the cutter diameter and material. Work with a constant feed rate
– Only lay the machine aside when the cutter has come to a complete standstill.
– Always connect the machine to a dust extractor.

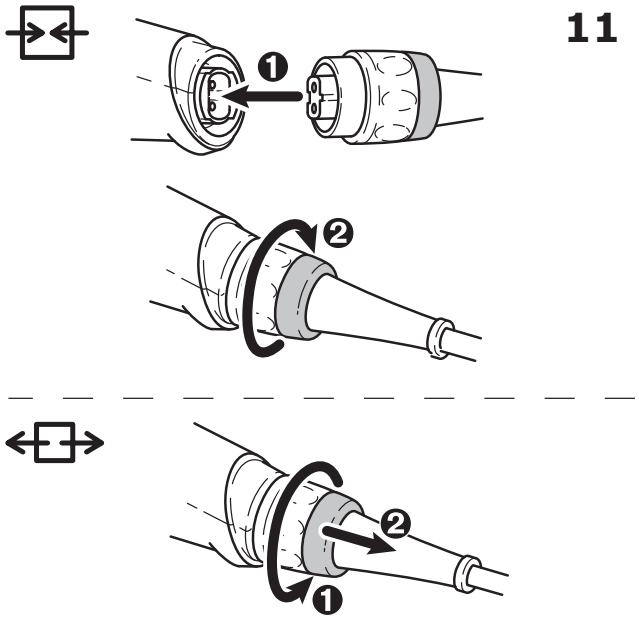
For work that generates dust, wear a dust mask.

Plug it Power Cord

The Power Tool comes equipped with a removable plug it power cord.

To install the power cord, insert the cord into the inlet on the tool with the key and keyway aligned, and twist the black locking ring.

Reverse the procedure to remove the cord.



Switch on/off

WARNING

Risk of injury

▶ Never turn the tool on when the Fence Body is removed, as this exposes the spinning cutter.

▶ Before turning the tool on, make sure all adjustment handles are locked and the tool is safe to turn on.

The switch **[1-4]** is an on/off switch (I = ON, 0 = OFF).

Extension Cord

If an extension cord is required, it must have sufficient cross-section to prevent an excessive drop in voltage or overheating. An excessive drop in voltage reduces the output and can lead to failure of the motor. The table below shows you the correct cord diameter as a function of the cord length for this tool.

Total Extension Cord Lenght (feet)	25	50	100	150
Cable size (AWG)	18	16	16	14

Use only U.L. and CSA listed extension cords.

Never use two extension cords together. Instead, use one long one.

ⓘ The lower the AWG number, the stronger the cord.

Dust extraction

WARNING

Dust hazard

▶ Dust can be hazardous to health. Always work with a dust extractor.

▶ Always read applicable national regulations before extracting hazardous dust.

At the extractor connector **[1-15]**, a Festool mobile dust extractor with an extraction hose diameter of 27 mm can be connected.

ⓘ Always work with a dust extractor for safety and quality reasons.

Overview, General Notes and Tips

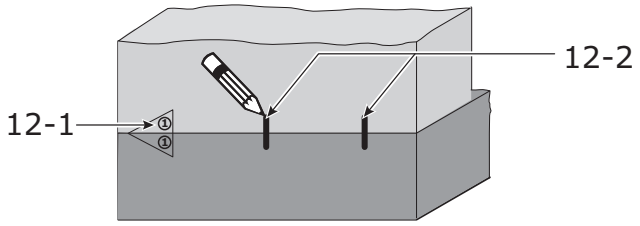
ⓘ **We recommend** routing and joining a test workpiece before machining the actual workpiece.

Wood is a natural, non-homogenous material and because of this, its dimensions will most likely deviate slightly during processing, even if the machine is set accurately. Machine handling also influence the degree of working accuracy (e.g. fast-feed speed). Furthermore, the dimensions of wooden DOMINOs may vary (for example, due to humidity), regardless of how they are stored. All of these factors influence the dimensional accuracy of manufactured dowel holes and dowelling joints.

Creating the DOMINO connection

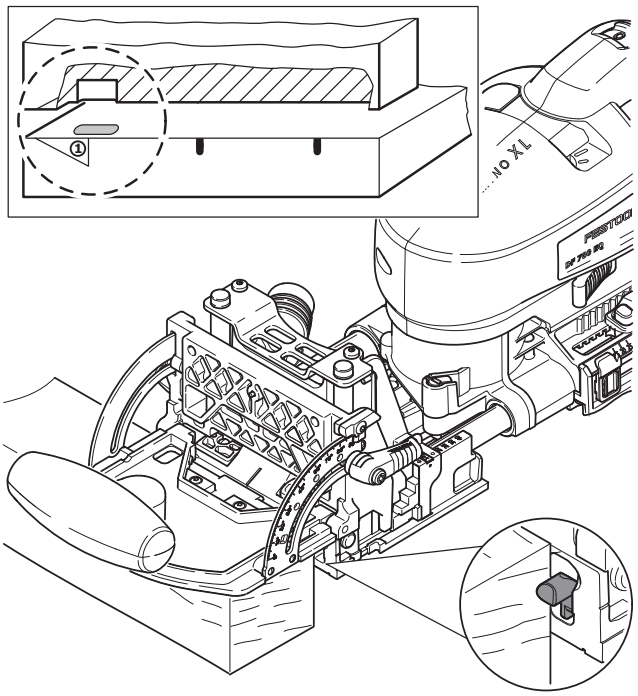
Proceed as follows to create a DOMINO dowelling joint:

		see page
1.	Select a DOMINO dowel and insert the suitable bit into the DOMINO joining machine.	12
2.	Set the routing depth.	12
3.	Set the routing height.	10
4.	Adjust the routing angle if necessary.	10
5.	Mark the areas on the workpieces that belong together **[12-1]** so that you will be able to join them correctly again once you have cut the dowel holes.	



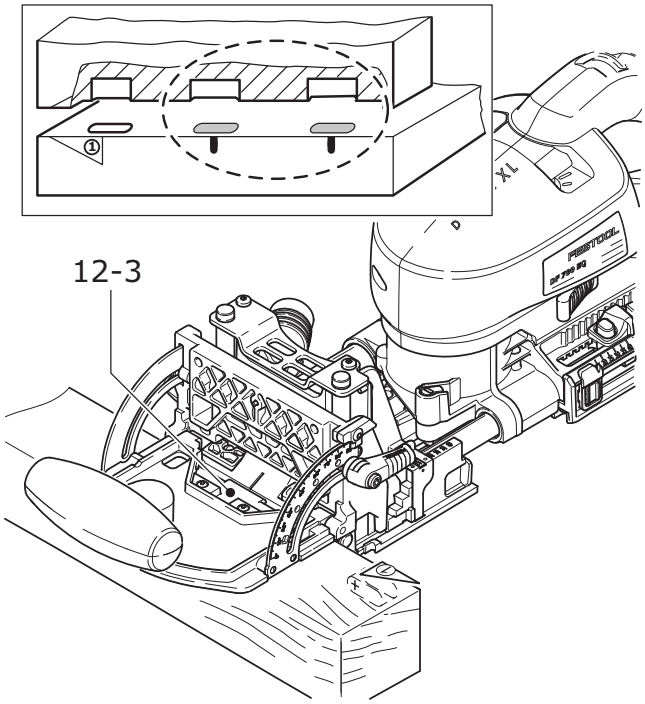
6. A	Position the two workpieces to be joined against one another and mark the desired positions of the DOMINO dowels with a pencil **[12-2]**.	
6. B	Select the required stop pins.	14
7.	Set the desired dowel hole width (adequate fit or with 3 mm play).	11

see page



8.	Cutting the dowel holes **[12]**: – The first dowel hole by attaching the stop pin to the side edge of the workpiece. – The following dowel holes according to the previously made pencil markings and the scale of the vision panel **[12-3]**.	

see page



Our recommendation: Please check each dowel hole for chippings and clear these if necessary.

Always work with a dust extractor to improve the removal of chippings.

Route the first hole for each workpiece without play (dowel hole width = DOMINO dowel width) and the other dowel holes with the large dowel hole width.

Service and maintenance

WARNING

Any maintenance or repair work that requires opening of the motor or gear housing should only be carried out by an authorised Customer Service Centre (name supplied by your dealer)!

- ▶ Maintenance or repair work carried out by an unauthorised person can lead to the wrong connection of the power cord or other components, which in turn can lead to accidents with serious consequences.

WARNING

To prevent accidents, always remove the plug from the power supply socket before carrying out any maintenance or repair work on the tool!

- ▶ Do not use compressed air to clean the electrical tool! Do not try to clean parts inside the tool in this way, as you could let foreign objects in through the openings of the tool housing.

CAUTION

Certain cleaning agents and solvents are harmful to plastic parts.

- Some of these include, but are not limited to: Gasoline, Acetone, Methyl Ethyl Ketone (MEK), Carbonyl Chloride, cleaning solutions containing Chlorine, Ammonia, and household cleaners containing Ammonia.

The machine is equipped with special carbon brushes. If they are worn, the power is interrupted automatically and the machine comes to a standstill.

ⓘ We recommend an annual inspection and/or a check after approx. 100 operating hours at an authorised customer service workshop. This is for the safety of the user and the value stability of the power tool.

Routine Maintenance

The Domino tenon joiner does not require much routine maintenance except for cleaning. For best performance and long life of the Domino tenon joiner, keep the machine clean.

- To ensure constant air circulation, always keep the cooling air openings in the housing clean and free of blockages.
- Always use the Power Tool with a dust collection system.
- Periodically inspect the tool for damage, wear, or dullness. Re-sharpen or replace the tool as necessary.
- Never attempt to sharpen the tools yourself. The tools should be sharpened only by a qualified sharpening service.
- For best results, only the tip of the bit should be ground, not the sides.
- The maximum tip material removal from sharpening before the bit must be replaced is approximately 1mm. Any more than this and the bit will be too short for proper fit of the tenons.

Cleaning and maintenance

- Blow off the exterior of the machine with low-pressure compressed air to remove dust, but do not blow air directly into the air cooling vents on the back of the motor as this can drive debris into the motor.
- Blow out impacted dust from the tool area.
- Do not remove the fence body from the motor housing when the joiner is coated with dust.
- With the exterior of the joiner free from dust, remove the fence body from the motor housing and clean the linear slides:
  - With a soft cotton cloth, wipe down the linear rails.
  - With compressed air, blow out any dust from inside the linear bores.
  - With a soft cotton cloth, wipe down the interior of the bronze linear bearings.
- Clean the guides **[7-1]** and **[7-6]** of dust deposits.
- Oil the guides regularly and lightly with resin-free oil (e.g. sewing machine oil).
- Never store the joiner with the fence body separated from the motor housing, as this can permit dust and debris to enter the linear slide.

Troubleshooting

Fault	Cause	Solution
Burns	Blunt cutter	Use sharp cutter
Dowel hole too narrow. DOMINO dowel cannot be jointed.	a. Blunt cutter b. Deposits (e.g. chippings in the dowel hole)	a. Use sharp cutter b. Remove deposit and work with dust extractor
Widening of the dowel hole with 8 mm cutter	Routing depth too large (larger than 50 mm)	Reduce routing depth (max.50 mm)
Splinters at edge of dowel hole	Excessive feed rate	Reduce feed rate
Dowel hole not parallel to workpiece edge	Workpiece has shifted during processing	Secure workpiece properly
Tool cannot be loosened during tool change	Spindle lock not functioning	Twist spindle against the tool using an open-ended spanner. If this occurs several times contact the after-sales service department.
The positions of the dowel holes which are created with one of the left and one of the right stop pins do not match precisely.	The stop pins are selected different on the right and left.	Select the same stop pins on the left and the right.
DOMINO joining machine operates irregularly, jerks	a. No dust extractor connected b. Rubber buffer **[1-1]** worn	a. Connect dust extractor b. Replace rubber buffer (spare part)

Accessories

Use only original Festool accessories and Festool consumable material intended for this machine because these components are designed specifically for the machine. Using accessories and consumable material from other suppliers will most likely affect the quality of your working results and limit any warranty claims. Machine wear or your own personal workload may increase depending on the application. Protect yourself and your machine, and preserve your warranty claims by always using original Festool accessories and Festool consumable material!

The order numbers of the accessories and tools can be found in the Festool catalogue or on the Internet under "www.festoolusa.com".

Special accessories for DOMINO joining machine

Festool provides comprehensive accessories which allow you to use your machine effectively and for diverse applications, e.g.:

- Handrail fence RA-DF 500/700
- Cross stop QA-DF 500/700
- Stopper LA-DF 500/700

Assembly instructions are included at the end of the operating manual.

Systainer

Many Festool products are shipped in a unique system container, called "Systainer". This provides protection and storage for the tool and accessories. The Systainers are stackable and can be interlocked together. They also can be interlocked atop Festool CT dust extractors.

To open the Systainer

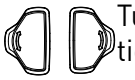
Turn the T-loc **[13-1]** to this position.

To lock the Systainer

Turn the T-loc **[13-1]** to this position.

To connect two Systainers

Place one Systainer on the top of the other (Fig. **[13 A]**).



Turn the T-loc **[13-1]** to one of this positions (Fig. **[13 B]**).

The Systainers are connected and locked.

ⓘ A new generation Systainer is connectable on top of a previous generation Systainer by the four latches of the previous Systainer.

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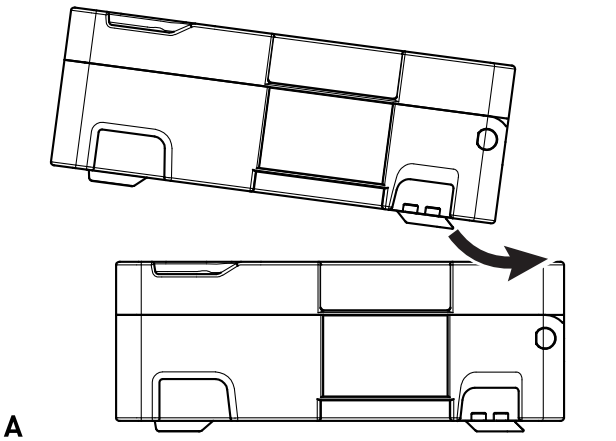
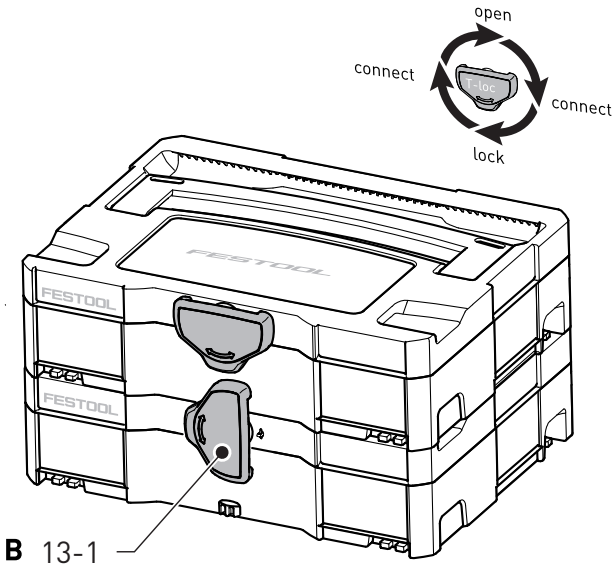


A



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Environment

Do not throw the power tool in your household waste! Dispose of machines, accessories and packaging at an environmentally responsible recycling centre. Observe the valid national regulations.

Warranty

Garantie 1 + 2

Festool offers a 3 year limited warranty, one of the strongest in the industry. This warranty is valid on the pre-condition that the tool is used and operated in compliance with the Festool operating instructions. Festool warrants that the specified tool will be free from defects in materials and workmanship for a term of 3 years from the date of purchase.

Conditions of 1 + 2 warranty

All customers receive a free extended limited warranty (1 year + 2 years = 3 Years) on new Festool power tools purchased from an authorized retailer. Festool is responsible for all shipping costs during the first year of the warranty. During the second and third year of the warranty the customer is responsible for shipping the tool to Festool. Festool will pay for return shipping to the customer using UPS Ground Service. All warranty service is valid 3 years from the date of purchase on your receipt or invoice. Proof of purchase may be required.

Excluded from the coverage under this warranty are: normal wear and tear, damages caused by misuse, abuse, or neglect; damage caused by any-

thing other than defects in material and workmanship. This warranty does not apply to accessory items such as circular saw blades, drill bits, router bits, jigsaw blades, sanding belts, and grinding wheels. Operating a tool at a voltage or frequency different from the tool's rating will void the warranty. This includes the usage of the tool in combination with a transformer. Festool does not condone nor support the use of any non-Festool engineered, designed, and manufactured accessories or consumables with Festool products. Use of any non-Festool products may affect performance or void the warranty. Festool is not responsible for any damages or losses incurred and user assumes all risk and responsibility with non-Festool derived products. Also excluded are "wearing parts," such as carbon brushes, lamellas of air tools, rubber collars and seals, sanding discs and pads, and Festool gear (hats and shirts).

The obligations of Festool in its sole discretion under this warranty shall be limited to repair or replacement or a refund of the purchase price for any Festool portable power tool that is found to have a defect in materials or workmanship during the warranty period. FESTOOL SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES REGARDLESS OF THE THEORY OF LAW ON WHICH THE CLAIM IS BASED. ALL WARRANTIES IMPLIED BY STATE LAW, INCLUDING THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY LIMITED TO THE DURATION OF THREE YEARS.

Some states in the U.S. and some Canadian provinces do not allow the limitations on how long an implied warranty lasts, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state in the U.S. and from province to province in Canada.

With the exception of any warranties implied by state or province law as limited above, the foregoing express limited warranty is exclusive and in lieu of all other warranties, guarantees, agreements, and similar obligations of Festool. Festool makes no other warranty, express or implied, for Festool portable power tools. This warranty policy is only valid for tools that are purchased in the US and Canada. Warranty policies of other countries may vary when obtaining warranty service outside the US and Canada. Some countries do exclude warranty for products bought outside their territory. Festool reserves the right to reject the repair of any tool that is not part of the US/Canada product line. No agent, representative, distributor, dealer, or employee of Festool has the authority to increase or otherwise change the obligations or limitations of this warranty.