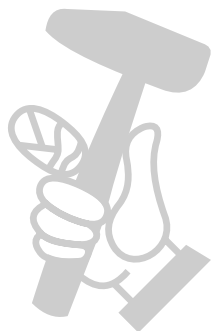


DEWALT®

МАГАЗИН
БАШ МАЙСТОР
ПРОФЕСИОНАЛНИ РЕШЕНИЯ



www.DEWALT.com

D27300

Fig. A1

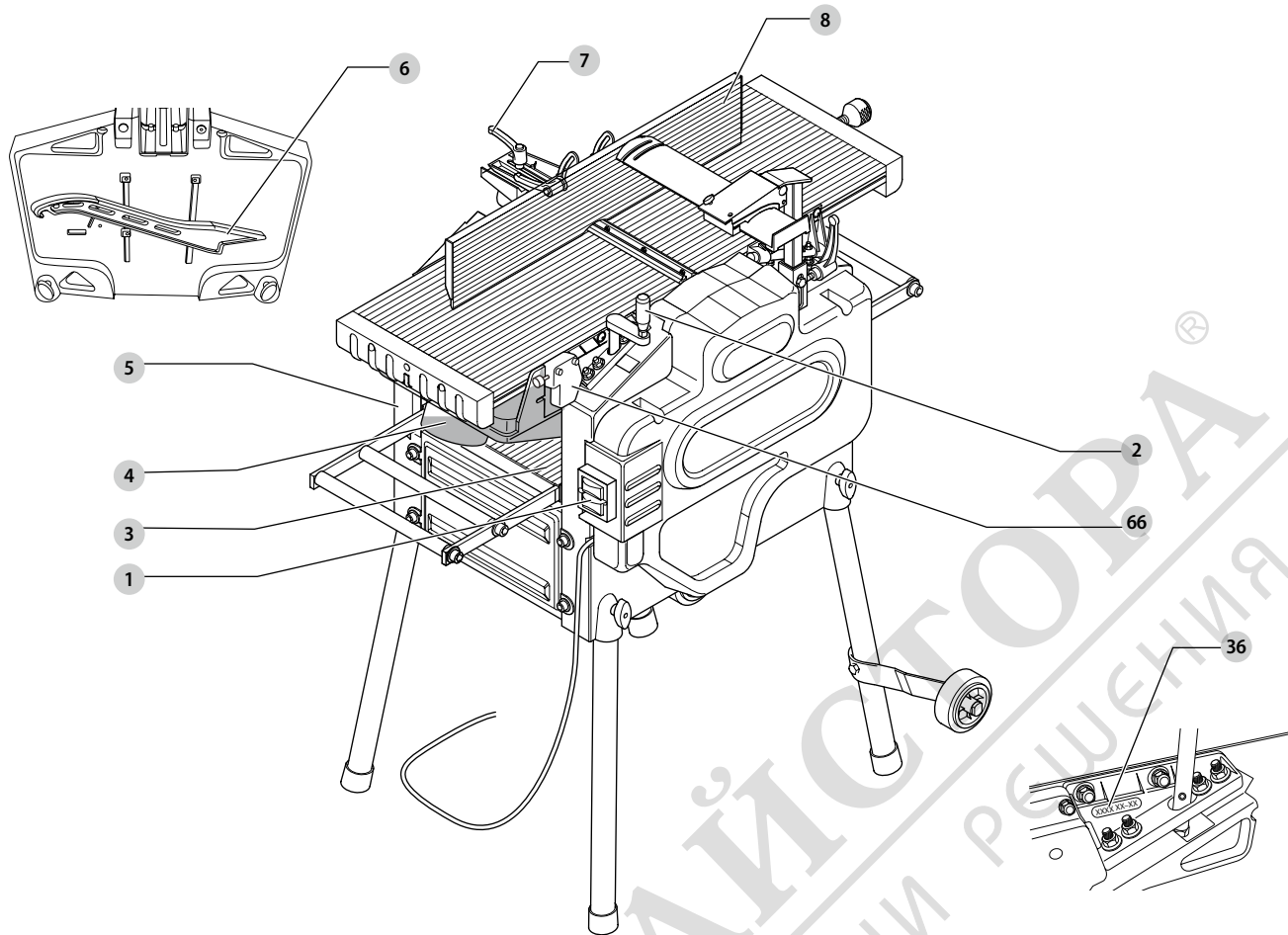


Fig. A2

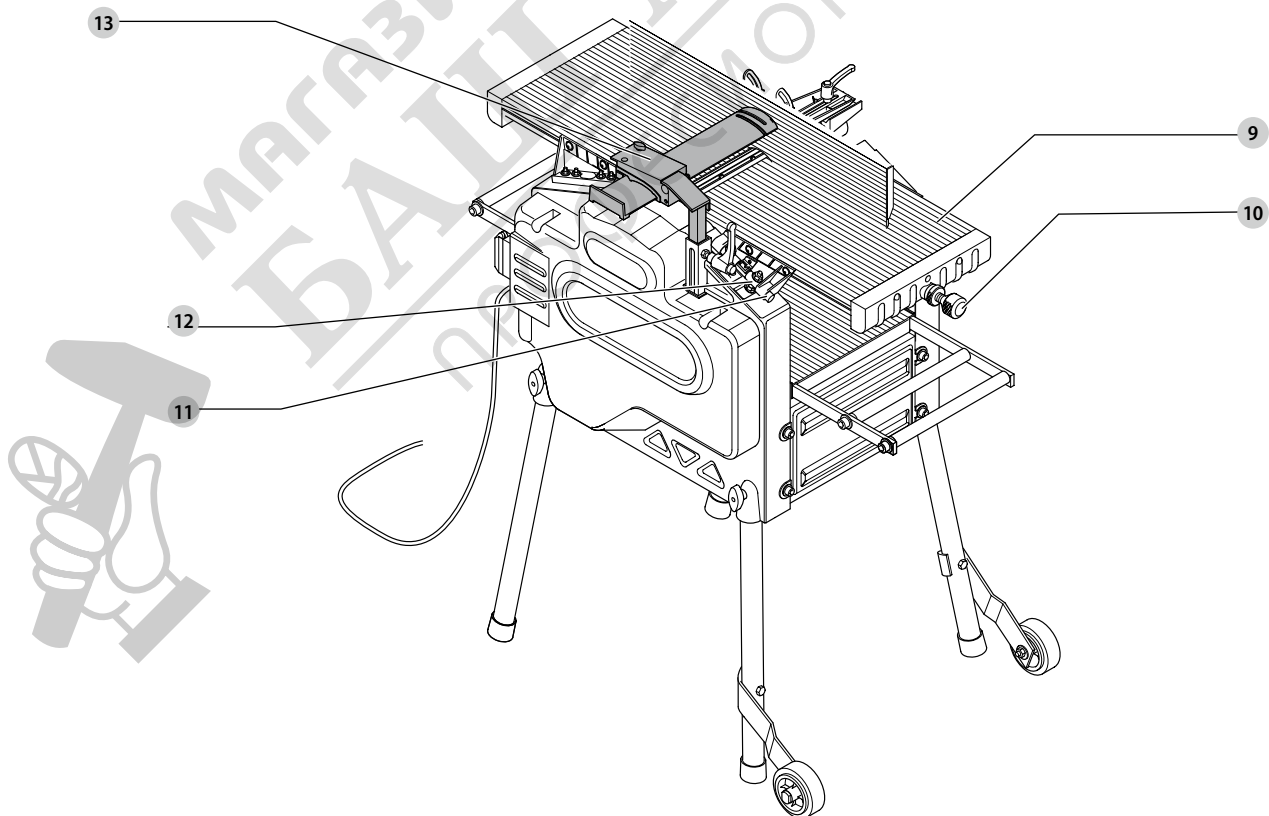


Fig. B1

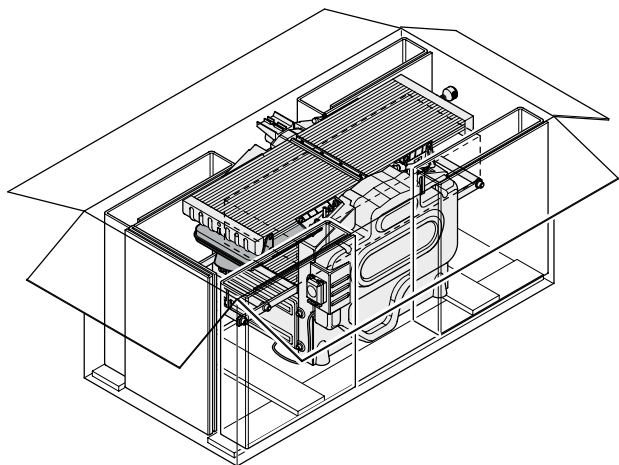


Fig. B2

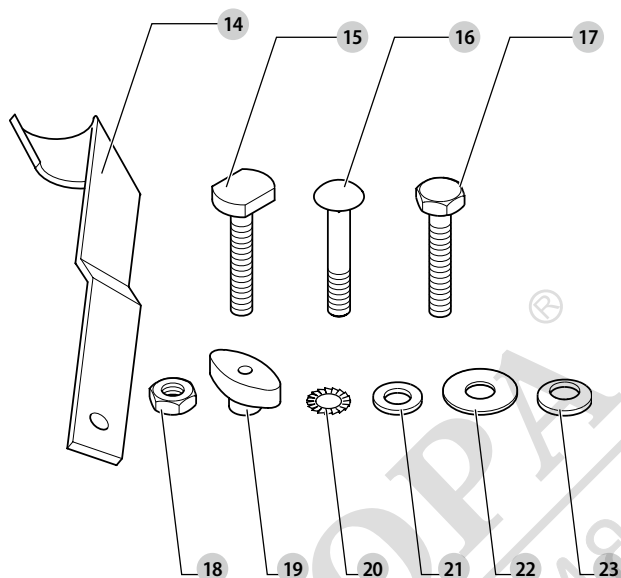


Fig. C1

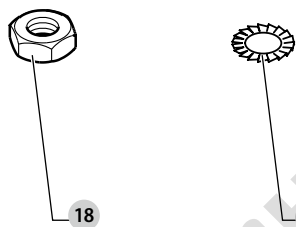


Fig. C2

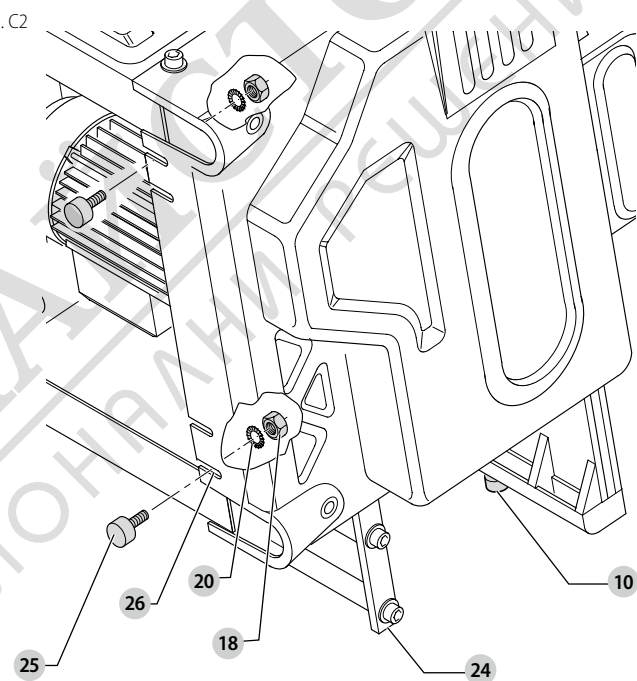


Fig. D1

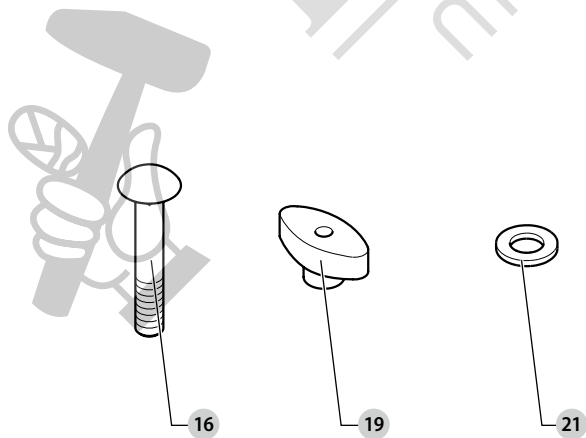


Fig. D2

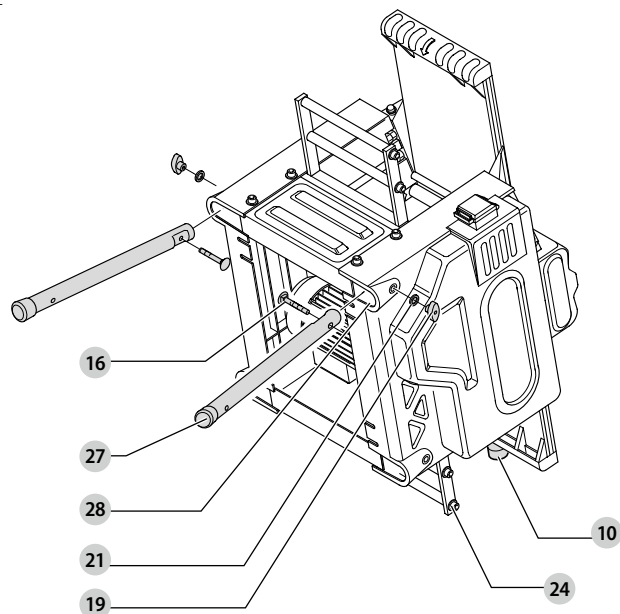


Fig. D3

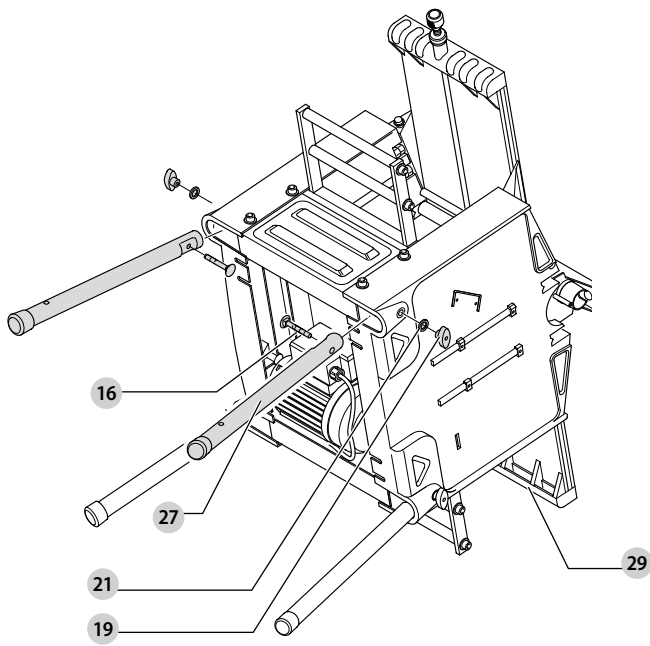


Fig. E1

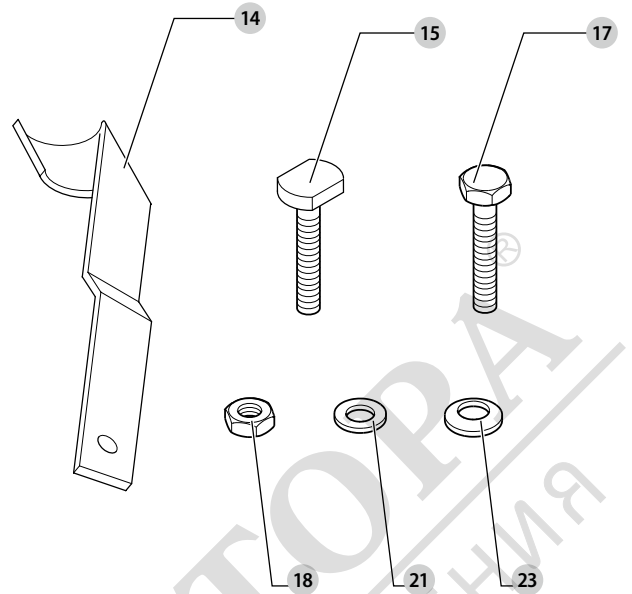


Fig. E2

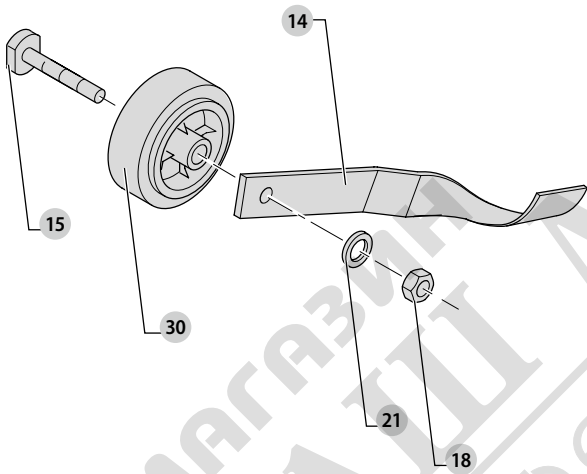


Fig. E3

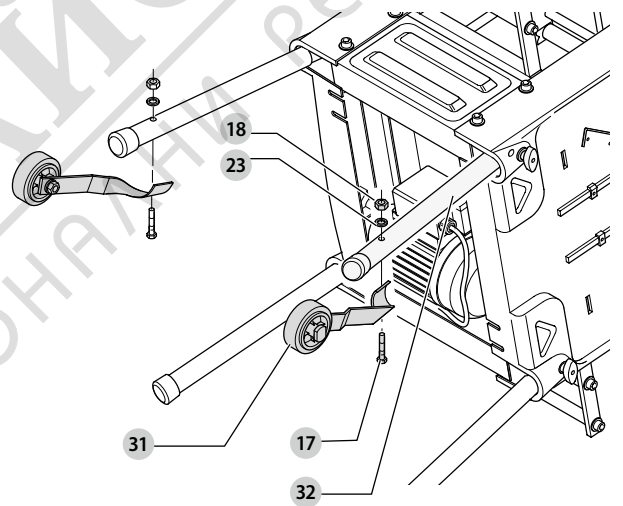


Fig. F1

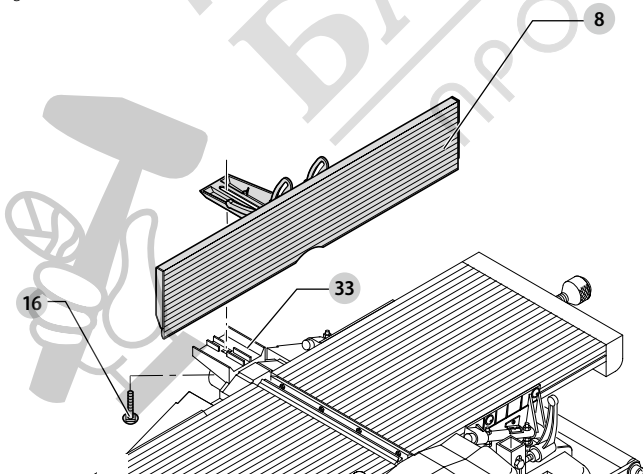


Fig. F2

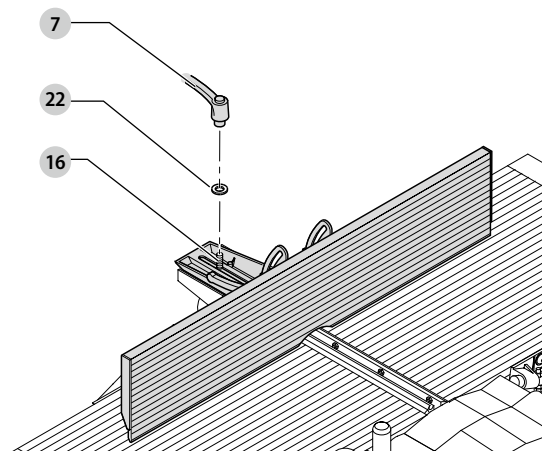


Fig. G1

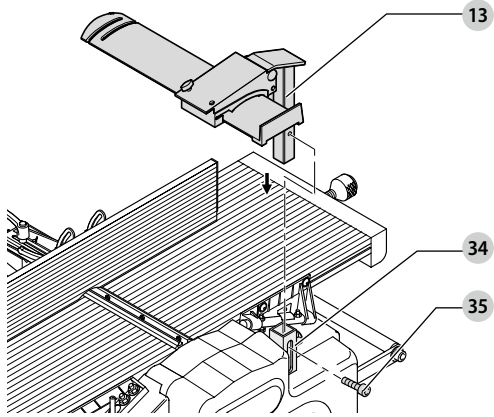


Fig. G2

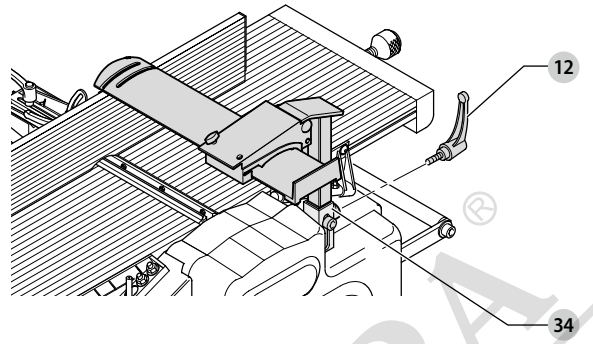


Fig. H1

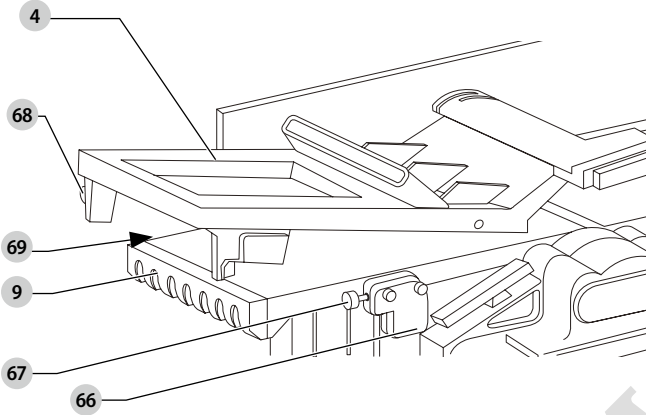


Fig. H2

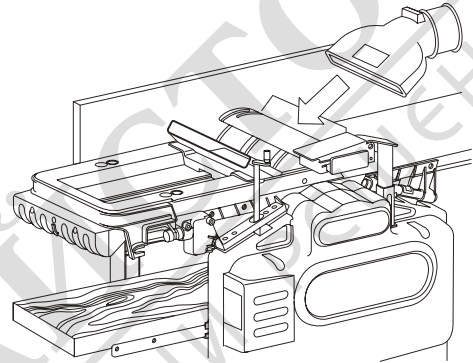


Fig. H3

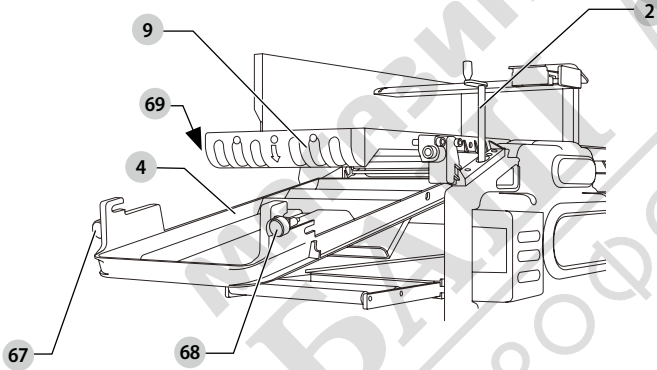


Fig. H4

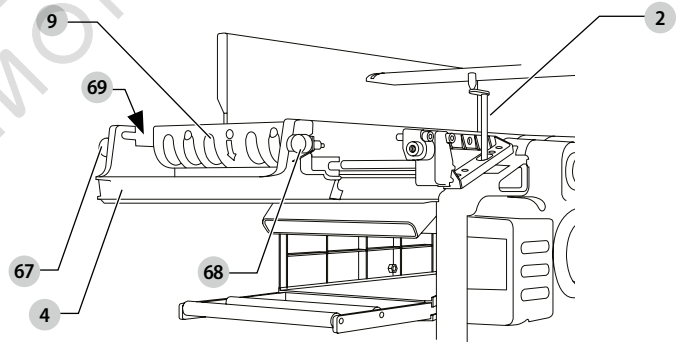


Fig. I1

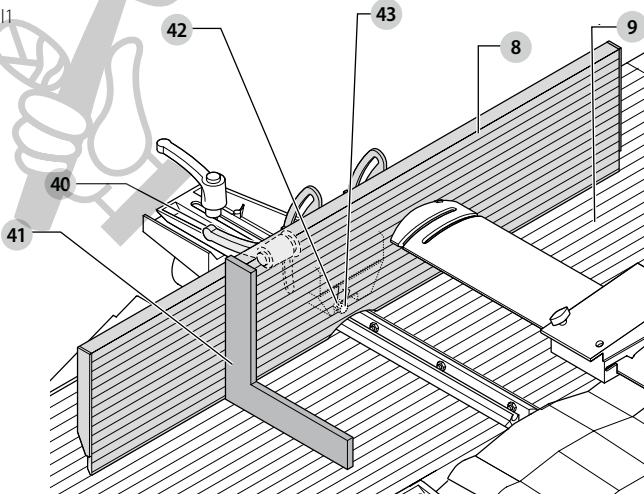


Fig. I2

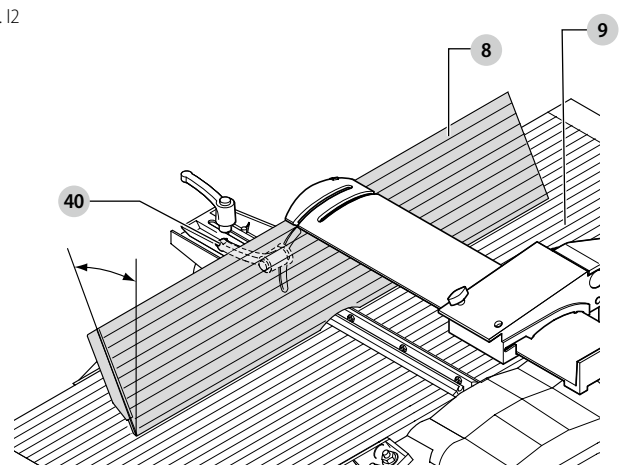


Fig. I3

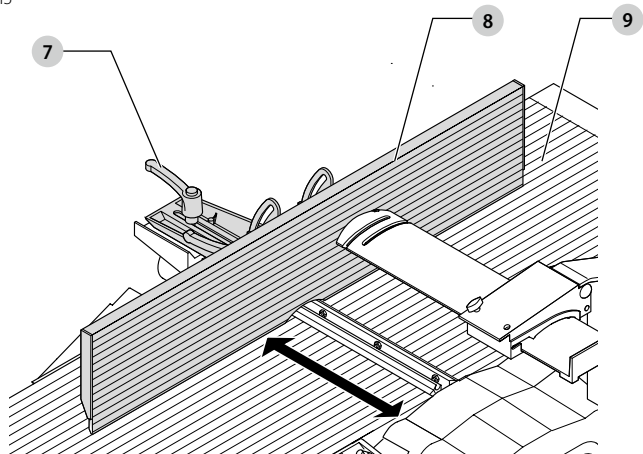


Fig. J

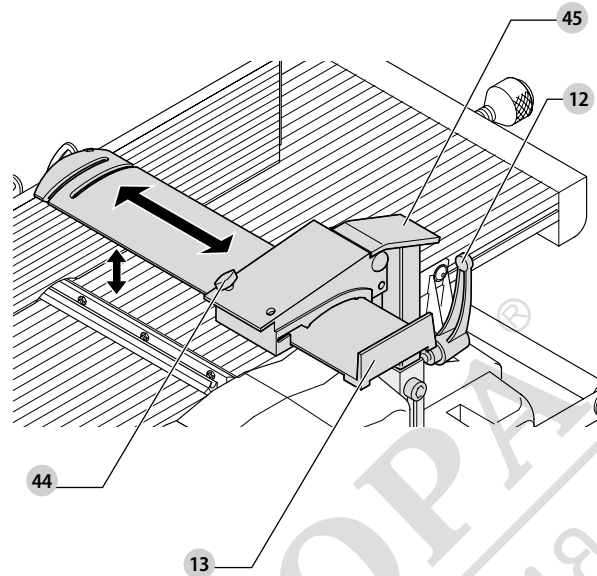


Fig. K

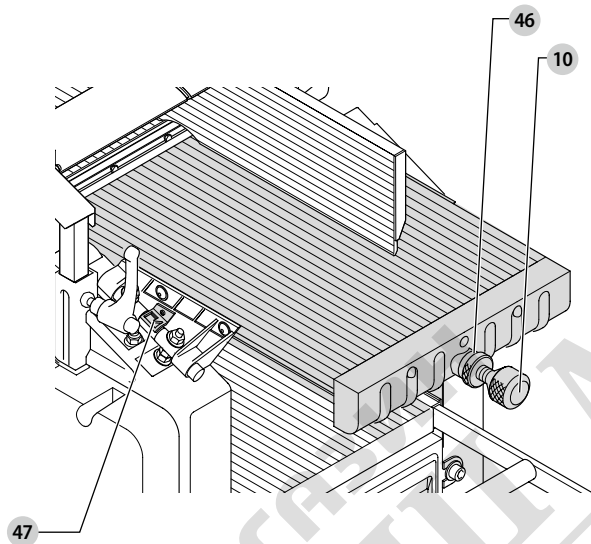


Fig. L1

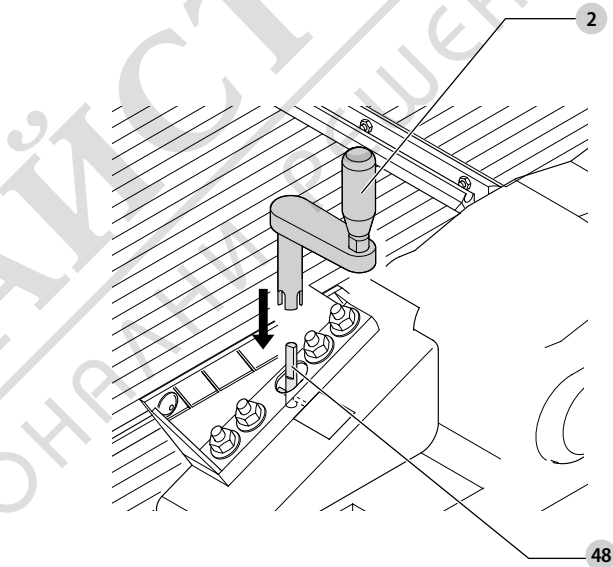


Fig. L2

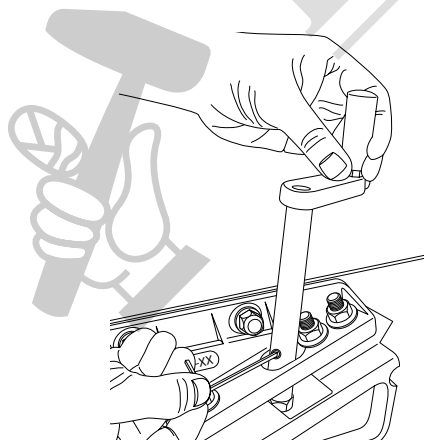


Fig. L3

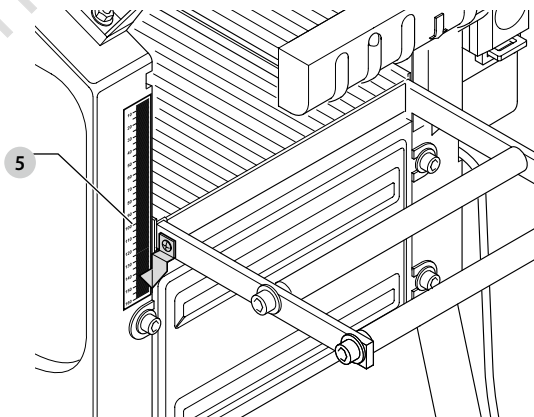


Fig. M

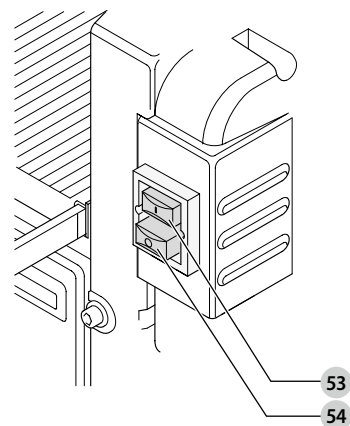


Fig. N1

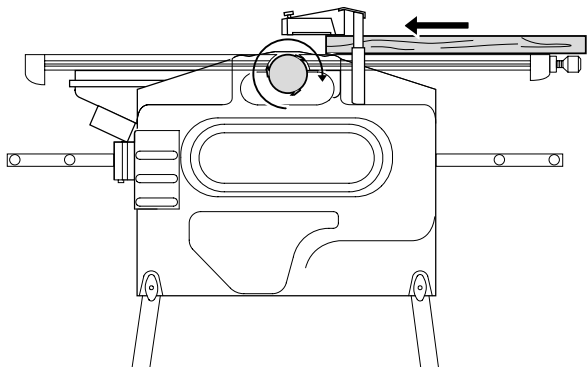


Fig. N2

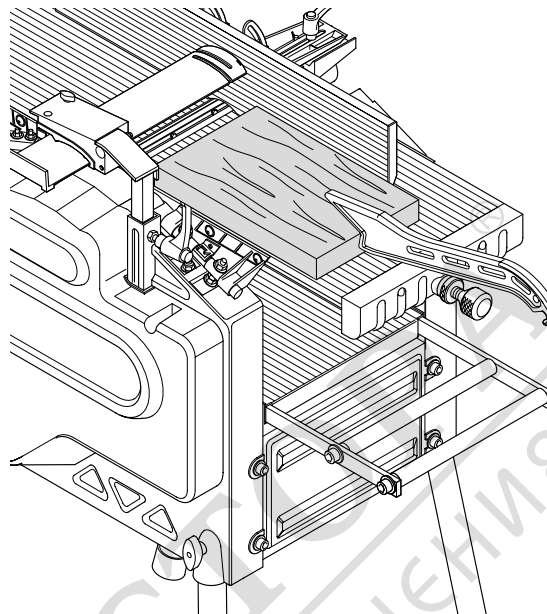


Fig. O1

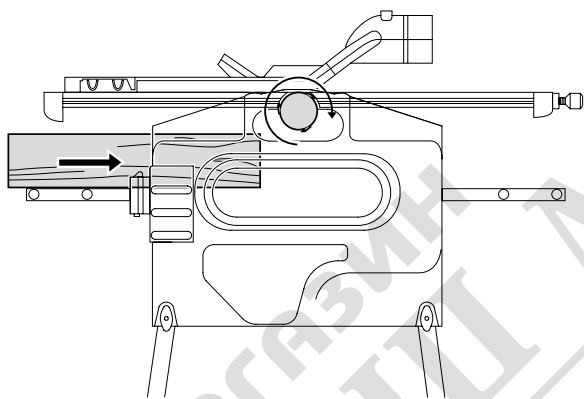


Fig. O2

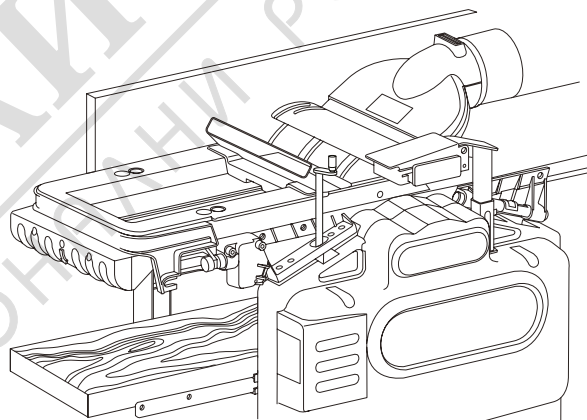


Fig. P1

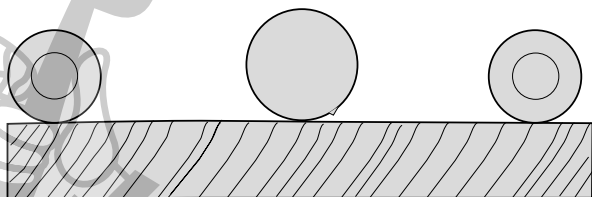


Fig. P2

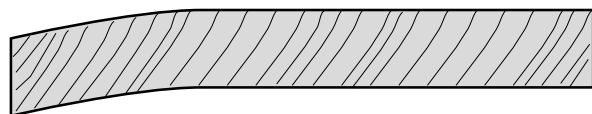


Fig. P3

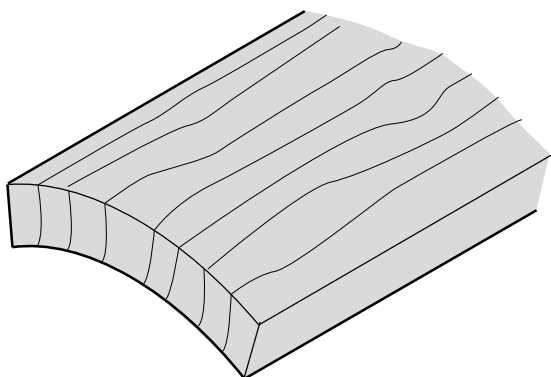


Fig. P4

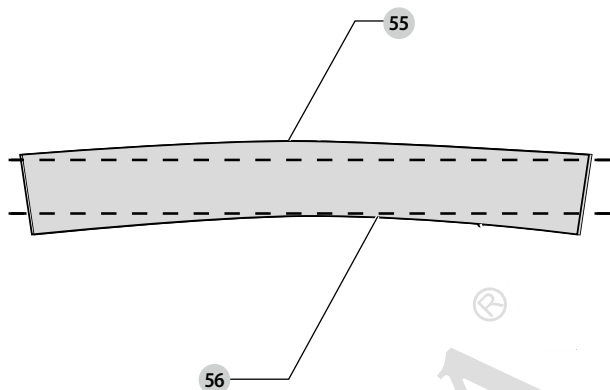


Fig. Q1

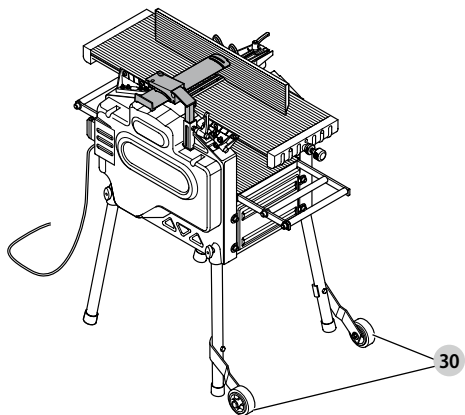


Fig. Q2

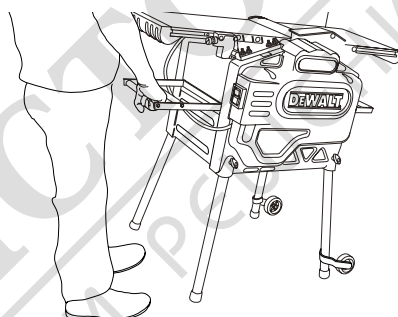


Fig. R1

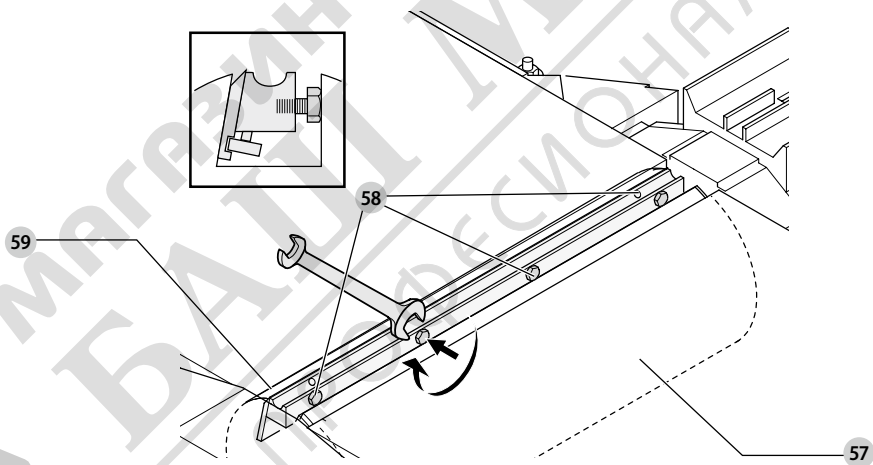


Fig. R2

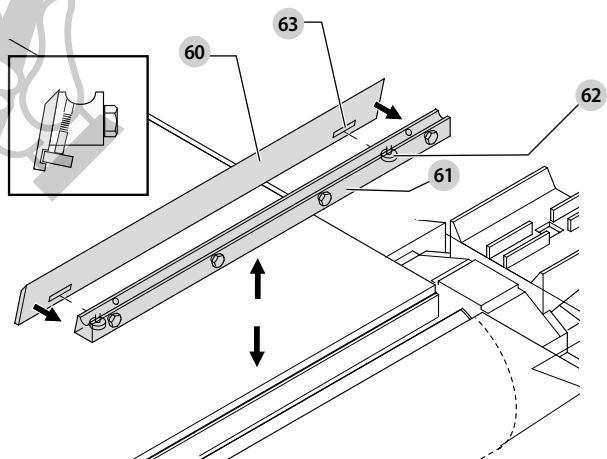
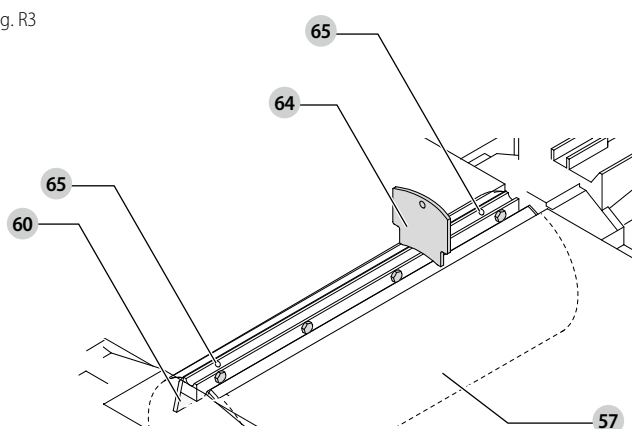


Fig. R3



THICKNESS PLANER

D27300

Congratulations!

You have chosen a DeWALT tool. Years of experience, thorough product development and innovation make DeWALT one of the most reliable partners for professional power tool users.

Technical Data

		D27300
Voltage	V_{AC}	230
Type		2
Power input	W	2100
Power output	W	1650
No-load speed	max/min ⁻¹	6200
Feed speed	m/min	5
Cutting height (max.)	mm	160
Max. cutting width (max.)	mm	260
Max. cutting depth		
Planing mode	mm	2.5
Thickening mode	mm	3
Blade size	mm	20
Weight	kg	54
<hr/>		
L_{PA} (sound pressure)	dB(A)*	96
K_{PA} (sound pressure uncertainty)	dB(A)	3
L_{WA} (sound power)		109
K_{WA} (sound power uncertainty)	dB(A)	3.1

* at the operator's ear

NOTE (D27300 ONLY): This device is intended for the connection to a power supply system with maximum permissible system impedance Z_{max} of 0.27 Ω at the interface point (power service box) of user's supply.

The user has to ensure that this device is connected only to a power system which fulfils the requirement above. If necessary, the user can ask the public power supply company for the system impedance at the interface point.

EC-Declaration of Conformity

Machinery Directive



Thickness Planer D27300

DeWALT declares that these products described under **Technical Data** are in compliance with: 2006/42/EC, EN61029-1:2009 + A11:2010, EN61029-2-3:2011.

These products also comply with Directive 2014/30/EU and 2011/65/EU. For more information, please contact DeWALT at the following address or refer to the back of the manual.

The undersigned is responsible for compilation of the technical file and makes this declaration on behalf of DeWALT.

Markus Rempel
Vice President of Engineering, PTE-Europe
DeWALT, Richard-Klinger-Straße 11,
D-65510, Idstein, Germany
05.03.2019



WARNING: To reduce the risk of injury, read the instruction manual.

Definitions: Safety Guidelines

The definitions below describe the level of severity for each signal word. Please read the manual and pay attention to these symbols.



DANGER: Indicates an imminently hazardous situation which, if not avoided, **will** result in **death or serious injury**.



WARNING: Indicates a potentially hazardous situation which, if not avoided, **could** result in **death or serious injury**.



CAUTION: Indicates a potentially hazardous situation which, if not avoided, **may** result in **minor or moderate injury**.

NOTICE: Indicates a practice **not related to personal injury** which, if not avoided, **may** result in **property damage**.



Denotes risk of electric shock.



Denotes risk of fire.

Safety Instructions



WARNING: When using electric tools basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury, including the following.

Read all these instructions before attempting to operate this product and save these instructions.

SAVE THIS MANUAL FOR FUTURE REFERENCE

General Safety Rules

- Keep work area clear.**
 - Cluttered areas and benches invite injuries.
- Consider work area environment.**
 - Do not expose the tool to rain. Do not use the tool in damp or wet conditions. Keep the work area well lit (250–300 Lux). Do not use the tool where there is a risk of causing fire or explosion, e.g., in the presence of flammable liquids and gases.
- Guard against electric shock.**
 - Avoid body contact with earthed surfaces (e.g., pipes, radiators, cookers and refrigerators). When using the tool under extreme conditions (e.g., high humidity, when metal swarf is being produced, etc.), electric safety can be improved by inserting an isolating transformer or a (FI) earth-leakage circuit-breaker.
- Keep other persons away.**
 - Do not let persons, especially children, not involved in the work, touch the tool or the extension cord and keep them away from the work area.
- Store idle tools.**
 - When not in use, tools must be stored in a dry place and locked up securely, out of reach of children.
- Do not force the tool.**
 - It will do the job better and safer at the rate to which it was intended.
- Use the right tool.**
 - Do not force small tools to do the job of a heavy duty tool. Do not use tools for purposes not intended; for example do not use circular saws to cut tree limbs or logs.
- Dress properly.**
 - Do not wear loose clothing or jewellery, as these can be caught in moving parts. Non-skid footwear is recommended when working outdoors. Wear protective hair covering to contain long hair.
- Use protective equipment.**
 - Always use safety glasses. Use a face or dust mask if working operations create dust or flying particles. If these particles might be considerably hot, also wear a heat-resistant apron. Wear ear protection at all times. Wear a safety helmet at all times.
- Connect dust extraction equipment.**
 - If devices are provided for the connection of dust extraction and collecting equipment, ensure these are connected and properly used.
- Do not abuse the cord.**
 - Never yank the cord to disconnect it from the socket.** Keep the cord away from heat, oil and sharp edges. Never carry the tool by its cord.
- Secure work.**
 - Where possible use clamps or a vice to hold the work. It is safer than using your hand and it frees both hands to operate the tool.
- Do not overreach.**
 - Keep proper footing and balance at all times.
- Maintain tools with care.**
 - Keep cutting tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tools periodically and if damaged have them repaired by an authorized service facility. Keep handles and switches dry, clean and free from oil and grease.
- Disconnect tools.**
 - When not in use, before servicing and when changing accessories such as blades, bits and cutters, disconnect tools from the power supply.
- Remove adjusting keys and wrenches.**
 - Form the habit of checking to see that adjusting keys and wrenches are removed from the tool before operating the tool.
- Avoid unintentional starting.**
 - Do not carry the tool with a finger on the switch. Be sure that the tool is in the "off" position before plugging in.
- Use outdoor extension leads.**
 - Before use, inspect the extension cable and replace if damaged. When the tool is used outdoors, use only extension cords intended for outdoor use and marked accordingly.
- Stay alert.**

- Watch what you are doing. Use common sense. Do not operate the tool when you are tired or under the influence of drugs or alcohol.

20. Check for damaged parts.

- Before use, carefully check the tool and mains cable to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service centre unless otherwise indicated in this instruction manual. Have defective switches replaced by an authorized service centre. Do not use the tool if the switch does not turn it on and off. Never attempt any repairs yourself.

⚠ WARNING: The use of any accessory or attachment or performance of any operation with this tool other than those recommended in this instruction manual may present a risk of personal injury.

21. Have your tool repaired by a qualified person.

- This electric tool complies with relevant safety rules. Repairs should only be carried out by qualified persons using original spare parts; otherwise this may result in considerable danger to the user.

Additional Safety Rules For Thickness Planers

- Wear safety goggles, working gloves and ear protection when operating.
- Never operate the machine without all guards and anti-kickback device in place and in perfect working condition.
- When planing, do not use the machine without the fence in position. Make sure that the lower edge of the fence touches the upper table top.

⚠ WARNING: The infeed and outfeed table were accurately adjusted at the factory. Never change the setting of the tables yourself.

- Use only cutting blades designed for this machine.
- Always use blades which are well sharpened and maintained.
- Do not use the machine for working any material other than soft or hard wood.
- Never cut recesses, tenons or moulds. Rebating is not permitted.
- Never carry out stopped work (i.e., cuts that do not involve working over the full length of the workpiece).
- Avoid working badly bowed wood providing inadequate contact with the infeed table.
- Before use, check that the the kickback and feed spindles are functioning properly.
- Remove all nails and metal objects from the workpiece before starting work. Do not use splintery wood.
- In the planing mode, make sure the upper blade guard is adjusted to provide optimum screening.
- Ensure that the elevating handle is out of the feed area.
- When working long pieces, use a suitable roller table on both sides of the machine adjusted to the height of the tables.
- Keep your hands well clear of the blades.
- In the planing mode, use a push stick at all times.
- Keep the push stick in its place when not in use.
- Refrain from removing any cut-offs or other parts of the workpiece from the cutting area whilst the cutter block is running.
- Workpiece sizes:
 - Without additional support the machine is designed to accept the maximum workpiece size of:

PLANER

- Height 140 mm by width 260 mm by length 500 mm
- Never cut workpiece shorter than 300 mm

THICKNESSER

- Height 160 mm by width 260 mm by length 600 mm
- Never cut workpiece shorter than 500 mm

- Longer workpiece needs to be supported by suitable additional table, e.g., roller table.

- In case of an accident or machine failure immediately switch the machine off and disconnect from socket.
- Report the failure and mark the machine in suitable form to prevent other people from using the defective machine.
- **PLANER ONLY:** When the cutter block is blocked caused by abnormal feed force during cutting, switch the machine off and disconnect from power supply. Remove the workpiece and ensure that the cutter block runs free. Switch the machine on and start new cutting operation with reduced feed force.
- Ensure that any portion of the cutterblock not being used for planing is safely guarded.

⚠ WARNING: We recommend the use of a residual current device with a residual current rating of 30mA or less.

Residual Risks

The following risks are inherent to the use of planers:

In spite of the application of the relevant safety regulations and the implementation of safety devices, certain residual risks cannot be avoided.

These are:

- Risk of accidents caused by the uncovered parts of the rotating blade.
- Risk of injury when changing the blade.
- Risk of squeezing fingers when opening the guards.

- Health hazards caused by breathing dust developed when planing wood, especially oak, beech and MDF.

The following factors increase the risk of breathing problems:

- No dust extractor connected when sawing wood.
- Insufficient dust extraction caused by uncleaned exhaust filters.

Electrical Safety

The electric motor has been designed for one voltage only (400 V – 3 Ph), and two voltages only (230 – 1 Ph). Always check that the power supply corresponds to the voltage on the rating plate.

If the supply cord is damaged, it must be replaced by a specially prepared cord available through the DeWALT service organization.

Mains Plug Replacement (U.K. & Ireland only)

If a new mains plug needs to be fitted:

- Safely dispose of the old plug.
- Connect the brown lead to the live terminal in the plug.
- Connect the blue lead to the neutral terminal.
- Connect the yellow green lead to the pe terminal.

Follow the fitting instructions supplied with good quality plugs. Recommended fuse: 13 A (230 V only).

Using an Extension Cable

If an extension cable is required, use an approved 3-core extension cable suitable for the power input of this tool (see **Technical data**). The minimum conductor size is 1.5 mm²; the maximum length is 20 m.

When using a cable reel, always unwind the cable completely.

Package Contents

The package contains:

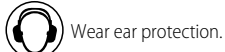
- 1 Partly assembled thickness planer
- 1 Guard
- 1 Guard/chip collector
- 1 Dust port adapter
- 1 Box containing:
 - 1 Fence
 - 1 Push stick
- 1 Bag containing:
 - 1 Hex key 2.5 mm
 - 1 Hex key 4 mm
 - 1 Hex key 5 mm
 - 1 Hex key 6 mm
 - 1 Spanner 13/10 mm
 - 1 Adjustment gauge
 - 1 Elevating handle
 - 2 Clamp handles
 - 4 Rubber feet
 - 1 M8 coach bolt
 - 4 M8 nuts
 - 4 D8 toothed washers
 - 1 D8 flat washer
- 1 Box containing:
 - 4 Legs
 - 2 Wheels
 - 2 Wheel brackets
- 1 Bag containing:
 - 2 Wheel axles
 - 4 M8 coach bolts
 - 2 M8 hex head bolts
 - 4 M8 nuts
 - 4 Wing nuts
 - 4 D8 flat washers
 - 6 D8 Belleville washers
- 1 Instruction manual
- Check for damage to the tool, parts or accessories which may have occurred during transport.
- Take the time to thoroughly read and understand this manual prior to operation.

Markings on Tool

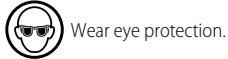
The following pictograms are shown on the tool:



Read instruction manual before use.



Wear ear protection.



Wear eye protection.



Carrying point.



Keep hands away from blade.



When using the machine in the thickening mode, be aware of the direction of feed. Never use the machine without shavings collector in position.



When using the machine in the planing mode, be aware of the direction of feed. Never use the machine without shavings collector in position.



Make sure that the cutting blades are properly adjusted. Do not allow the blades to protrude from the cutterhead by more than 1.1 mm.

Date Code Position (Fig. A1)

The date code **36**, which also includes the year of manufacture, is printed into the housing.

Example:

2019 XX XX
Year of Manufacture

Description (Fig. A1, A2)

WARNING: Never modify the power tool or any part of it. Damage or personal injury could result.

Fig. A1

- | | |
|------------------------|----------------------------------|
| 1 On/off switch | 8 Fence |
| 2 Elevating handle | 9 Upper table |
| 3 Lower table | 10 Planing depth adjustment knob |
| 4 Guard/chip collector | 11 Scale upper table |
| 5 Scale lower table | 12 Guard clamp handle |
| 6 Push stick | 13 Guard |
| 7 Fence clamp handle | |

Intended Use

Your DeWALT D27300 Planer and Thicknesser have been designed for professional cutting of hard and soft wood. It performs planing and thickening operations easily, accurately and safely.

The cutter block is designed to accept nominal 260 mm blades (DE7333).

WARNING: Do not use the machine for other purposes than intended.

DO NOT use under wet conditions or in the presence of flammable liquids or gases.

These planers are professional power tools.

DO NOT let children come into contact with the tool. Supervision is required when inexperienced operators use this tool.

- **Young children and the infirm.** This appliance is not intended for use by young children or infirm persons without supervision.
- This product is not intended for use by persons (including children) suffering from diminished physical, sensory or mental abilities; lack of experience, knowledge or skills unless they are supervised by a person responsible for their safety. Children should never be left alone with this product.

ASSEMBLY AND ADJUSTMENTS

WARNING: To reduce the risk of serious personal injury, turn tool off and disconnect tool from power source before making any adjustments or removing/installing attachments or accessories. Be sure the trigger switch is in the OFF position. An accidental start-up can cause injury.

WARNING: Prior to assembly always unplug the tool.

Unpacking the Machine (Fig. B1)

1. Remove the loose packaging material from the box.
2. Lift the machine out of the box.
3. Remove the parts box from the interior of the machine.
4. Remove any remaining packing material from the machine.

Identifying the Hardware Parts (Fig. B2)

We recommend that you unpack and sort all hardware parts.

- | | |
|---------------------|-------------------------|
| 14 Wheel bracket | 20 D8 toothed washer |
| 15 Wheel axle | 21 D8 flat washer |
| 16 M8 coach bolt | 22 D8 flat washer |
| 17 M8 hex head bolt | 23 D8 Belleville washer |
| 18 M8 nut | |
| 19 Wing nut | |

Mounting the Feet (Fig. C1, C2)

With the feet mounted, the machine is suitable for placement on a workbench. To ensure a safe operation, the machine has to be fixed to the workbench. Required hardware parts: 4 nuts **18**, 4 toothed washers **20** (Fig. C1).

1. Turn the machine on its side with the thickening outfeed frame **24** resting on the floor (Fig. C2).

WARNING: Take care to avoid that the planing depth adjustment knob **10** hits the floor.

2. Insert a foot **25** into each of the outer notches **26** located in the bottom of the machine housing.
3. Place a toothed washer **20** and a nut **18** onto the threaded end of the feet.
4. Tighten the nuts.
5. Turn the machine straight up.
6. Fix the machine to the workbench.

Mounting the Legs (Fig. D1–D3)

With the legs mounted, the machine is suitable for stand-alone placement. Required hardware parts: 4 coach bolts **16**, 4 wing nuts **19**, 4 flat washers **21** (Fig. D1).

1. Turn the machine on its side with the thickening outfeed frame **24** resting on the floor (Fig. D2).

WARNING: Take care to avoid that the planing depth adjustment knob **10** hits the floor.

2. Insert a leg **27** into each of the top holes **28** located at the edges in the bottom of the machine housing.
3. Pass a coach bolt **16** through the holes in the legs and the machine housing.
4. Place a flat washer **21** and a wing nut **19** onto the bolts.
5. Tighten the wing nuts.
6. Turn the machine on its side with the planing outfeed table **29** resting on the floor (Fig. D3).
7. Repeat as for the other feet.
8. Mount the castor wheels as described below.

Mounting the Castor Wheels (Fig. E1–E3)

Required hardware parts: 2 wheel brackets **14**, 2 wheel axles **15**, 2 bolts **17**, 4 nuts **18**, 2 flat washers **21**, 2 Belleville washers **23** (Fig. E1).

1. Align each wheel **30** with a bracket **14** and pass a wheel axle **15** through the holes of each assembly (Fig. E2).
2. Place a flat washer **21** and a nut **18** onto the threaded end of the axles.
3. Tighten the nuts.
4. Mount a wheel assembly **31** to each of the upper legs **32** using a hex head bolt **17**, Belleville washer **23** and nut **18** (Fig. E3).
5. Tighten the nuts.
6. Turn the machine straight up.

Mounting the Fence (Fig. F1, F2)

1. Place the fence **8** onto the fence holder **33** (Fig. F1).
2. Pass a coach bolt **16** from underneath through the holder and the fence.
3. Place a flat washer **22** onto the bolt **16** (Fig. F2).
4. Fit the clamp handle **7** onto the bolt **16**.

Mounting the Bridge Guard (Fig. G1, G2)

1. Insert the guard **13** into the guard column **34** (Fig. G1).
2. Locate the guard by fitting the lock screw **35**.
3. Fit the clamp handle **12** to the column **34** (Fig. G2).

Mounting the Guard/Chip Collector

When using the machine in planing mode, the guard/chip collector has to be mounted underneath the upper table. When using the machine in thickening mode, the guard/chip collector has to be mounted on top of the upper table.

Thicknessing Mode (Fig. A1, H1, H2)

NOTE: The guard/chip collector is in planing mode.

1. Loosen knobs (**68**, **69**) to remove the guard/chip collector **4** from the upper table **9**.
2. Turn the guard/chip collector over 180°.
3. Slide the guard/chip collector **4** along the upper table **9**, until the knob **67** aligns with microswitch **66**.
4. Fix the guard/chip collector by tightening the knobs (**68**, **69**).

Planing Mode (Fig. G1, G2, H3, H4)

1. Turn the elevating handle **2** to totally lower the under table **9**.
2. Loosen knobs (**68**, **69**) to remove the guard/chip collector **4** from the upper table.
3. Slide guard/chip collector off of upper table.
4. Turn the guard/chip collector over 180°.
5. Align the 2 external dust port ribs of the guard/chip collector with the 2 side panel slots.
6. Slide the guard/chip collector forward into the microswitch **66**.
7. Secure the guard/chip collector by tightening the knobs (**68**, **69**).
8. Lower the guard **13** until it contacts the chip collector and lock it using the guard clamp **12**.

NOTE: If using a dust extractor, lower the upper table all the way and attach the adapter to the dust chute, then raise the upper table until it is in contact with the adapter.

Adjustment

WARNING: Prior to adjustment always unplug the tool.

Adjusting the Fence (Fig. I1–I3)

Adjusting the Right Angle (Fig. I1)

The fence has an adjustable stop for easy right angle adjustment.

1. Loosen the angle clamp handle **40**.
2. Press the fence straight up to ensure it is fully vertical and tighten the angle clamp handle.
3. Place a set square **41** on the table and up against the fence **8**.
4. If adjustment is required, proceed as follows:
 - a. Loosen the nut **42** a few turns and turn the vertical position adjustment stop screw **43** in or out until the fence is at 90° to the table as measured with the square.

Adjusting the Chamfering Angle (Fig. I2)

1. Loosen the angle clamp handle **40**.
2. Move the fence **8** along its longitudinal axle to achieve the required angle.
3. Make sure that the lower edge of the fence touches the upper table top **9**.
4. Tighten the angle clamp handle.

Adjusting the Planing Width (Fig. I3)

1. Loosen the fence clamp handle **7**.
2. Move the fence **8** across the upper table **9** to achieve the required width.
3. Tighten the fence clamp handle.

Adjusting the Guard (Fig. J)

The guard can be adjusted to any fixed position above the table to provide optimum screening.

WARNING: Always make sure to adjust the guard to the planing width and the height of the workpiece.

To Adjust the Width

1. Loosen the lock knob **44**.
2. Move the guard **13** to the required width.
3. Tighten the adjustment knob.

To Adjust the Height

1. Loosen the clamp handle **12**.
2. Move the guard bracket **45** to the required height.
3. Tighten the clamp handle.

Adjusting the Depth of Cut (Fig. K, L1–L3)

Planing Mode (Fig. K)

1. Loosen the locking ring **46**.
2. Take hold of the depth adjustment knob **10** and adjust the depth of cut using the scale **47**.
 - Turn clockwise to decrease the cutting depth.
 - Turn counterclockwise to increase the cutting depth.
3. Tighten the locking ring.

Thickening Mode (Fig. L1–L3)

1. Place the elevating handle **2** on to the elevating shaft end **48** (Fig. L1).
2. Rotate the handle (clockwise) until it makes contact with the shaft nut.
3. Turn the elevating handle counterclockwise until it matches the hole and flat side of the shaft.
4. Using a 2.5 mm hex key, tighten the dowel of the elevating handle (Fig. L2).
 - Turn clockwise to decrease the cutting depth.
 - Turn counterclockwise to increase the cutting depth.
5. Read the finished thickness of your workpiece on the depth adjustment scale **5** (Fig. L3).

OPERATION

Instructions for Use

WARNING: Always observe the safety instructions and applicable regulations.

WARNING: To reduce the risk of serious personal injury, turn tool off and disconnect tool from power source before making any adjustments or removing/installing attachments or accessories. Be sure the trigger switch is in the OFF position. An accidental start-up can cause injury.

Ensure the machine is placed to satisfy your ergonomic conditions in terms of table height and stability. The machine site shall be chosen so that the operator has a good overview and enough free surrounding space around the machine that allows handling of the workpiece without any restrictions.

Prior to Operation

- Remove all foreign objects. Do not plane wood with loose knots. Do not plane wood that is severely knotted or warped.

Switching On and Off (Fig. M)

The on/off switch offers multiple advantages:

No-volt Release Function

Should the power be shut off for some reason, the switch has to be deliberately reactivated.

Motor Overload Protection Device

In case of motor overload, the power supply to the motor will be cut off. If this happens, let the motor to cool for 2 minutes and then press the green start button.

1. To switch the machine on, press the green start button **53**.
2. To switch the machine off, press the red stop button **54**.

WARNING: Always switch off the machine when work is finished and before unplugging.

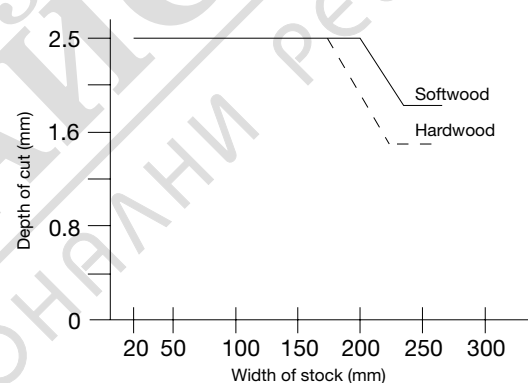
Planing (Fig. N1, N2)

1. Mount the guard/chip collector as described above.
2. Adjust the fence as required.
3. Adjust the guard to provide optimum screening.
4. Set the depth of cut.
5. Switch on the machine.
 - Slowly feed the workpiece underneath the guard, keeping it firmly pressed against the fence.
 - Feed the workpiece in the direction of the grain.
 - Remember to use the push stick when close to the cutterhead.

Thickening (Fig. A2, O1, O2)

1. Mount the guard/chip collector as described above.
2. Lower the guard **13**.
3. Set the depth of cut.
4. Switch on the machine.
 - Best results are achieved when the workpiece has at least one flat surface.
 - For optimal results, plane both sides of the workpiece to reach the desired thickness.

Follow the depth of cut and width guidelines shown in the table below.



5. Slowly feed the workpiece into the machine.
6. Feed the workpiece in the direction of the grain.

Snipe

Snipe is a depression made when the ends of the workpiece contact the cutters. To avoid snipe:

1. Keep the workpiece level throughout the planing operation.
2. Feed the workpiece flat against the table.

Warping (Fig. P1–P4)

If your workpiece is only slightly warped, plane both sides to produce the desired thickness.

Bowed Workpieces (Fig. P1, P2)

The feed rollers and cutterhead will temporarily flatten the workpiece (Fig. P1). The bowed shape, however, will return after planing (Fig. P2).

- To remove the bow, use a jointer.

Cupped Workpieces (Fig. P3, P4)

1. Rip the cupped workpiece in the middle (Fig. P3).
2. Plane the pieces separately to eliminate waste.
3. Alternatively, plane the top flat **55** first, turn the workpiece over and plane the bottom flat **56** (Fig. P4).

Dust Extraction (Fig. A1)

The machine is provided with a 100 mm dust extraction port on the guard/chip collector **4**. Provided with a suitable dust extraction device, 90% of the produced shaving can be caught if the air flow is at least 20 m/s.

Connect a suitable dust extraction device during all operations.


Whenever possible, connect a dust extraction device designed in accordance with the relevant regulations regarding dust emission.

Transporting (Fig. Q1, Q2)

The castor wheels **30** provide an easy transport of the machine. Securely holding the handle with both hands, transport the machine as shown in Figure Q2.






MAINTENANCE

Your DeWALT power tool has been designed to operate over a long period of time with a minimum of maintenance. Continuous satisfactory operation depends upon proper tool care and regular cleaning.

-  **WARNING:** To reduce the risk of serious personal injury, turn tool off and disconnect tool from power source before making any adjustments or removing/installing attachments or accessories. Be sure the trigger switch is in the OFF position. An accidental start-up can cause injury.

Replacing the Blades (Fig. R1, R2)

The machine is equipped with a cutterhead that holds two blades.

-  **WARNING:** Always replace the blades simultaneously.
-  **WARNING:** Be aware the cutting blades shall be replaced in the described way only. Never fit cutting blades other than the ones recommended.
-  **WARNING:** Sharp edges.
-  **WARNING:** Wear gloves when replacing the blades.
-  **WARNING:** Prior to replacing the blades always unplug the machine.

Removing the Blades

1. Remove the fence and the guard.
2. Carefully rotate the cutterhead **57** until the first blade becomes visible.
3. Loosen the bolts **58** using the spanner supplied.
4. Lift the blade assembly **59** out of the cutterhead. Use a pair of pliers if necessary.
5. Take the blade **60** from the holder **61**.
6. Repeat as for the other blade.

Fitting the Blades

1. Attach the blade **60** to the blade holder **61**. Make sure that the outer bolt heads **62** fall in notches **63**.
2. Re-fit the assembly into the cutterhead **57**.
3. Adjust the blade as described below.
4. Tighten the bolts **58** (torque: 6–8 Nm).
5. Repeat as for the other blade.

Adjusting the Blades (Fig. R3)

1. Check the position of the blade **60** at both ends.
2. Position the gauge **64** over the cutterhead **57** as shown.
3. The bottom edge of the gauge must coincide with the tip of the blade **60**.
4. If adjustment is required, proceed as follows:
 - Turn each adjusting screw **65** in or out as necessary until the blade tip coincides with the gauge.

Re-sharpening the Blades

The blades can be re-sharpened at 42°.

-  **WARNING:** The blades can be re-sharpened max. 3 mm down from their original size. If the blade size has decreased by more than 3 mm, the blades have to be replaced.





Lubrication

Your power tool requires no additional lubrication.



Cleaning

-  **WARNING:** Blow dirt and dust out of the main housing with dry air as often as dirt is seen collecting in and around the air vents. Wear approved eye protection and approved dust mask when performing this procedure.
-  **WARNING:** Never use solvents or other harsh chemicals for cleaning the non-metallic parts of the tool. These chemicals may weaken the materials used in these parts. Use a cloth dampened only with water and mild soap. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.


Before use, carefully check the cutter-head to determine that it will operate properly. Ensure that resin or workpiece particles cannot lead to blockage of one of the functions.

Thickening mode: In case of workpiece fragments jammed between cutter-head and in-feed roller, disconnect the machine from the power supply and remove the jammed parts.

Keep the ventilation slots clear and regularly clean the housing with a soft cloth.

- Keep the tables clean and free from grease. Regularly apply some wax to the tables.
- Keep the machine free from dust and shavings.
- On a daily basis, check and clean the kickback and feed spindles.

Optional Accessories

-  **WARNING:** Since accessories, other than those offered by DeWALT, have not been tested with this product, use of such accessories with this tool could be hazardous. To reduce the risk of injury, only DeWALT recommended accessories should be used with this product.

These include spare cutting blades (DE7333).

Consult your dealer for further information on the appropriate accessories.

Protecting the Environment



Separate collection. Products and batteries marked with this symbol must not be disposed of with normal household waste.

Products and batteries contain materials that can be recovered or recycled reducing the demand for raw materials. Please recycle electrical products and batteries according to local provisions. Further information is available at www.2helpU.com.