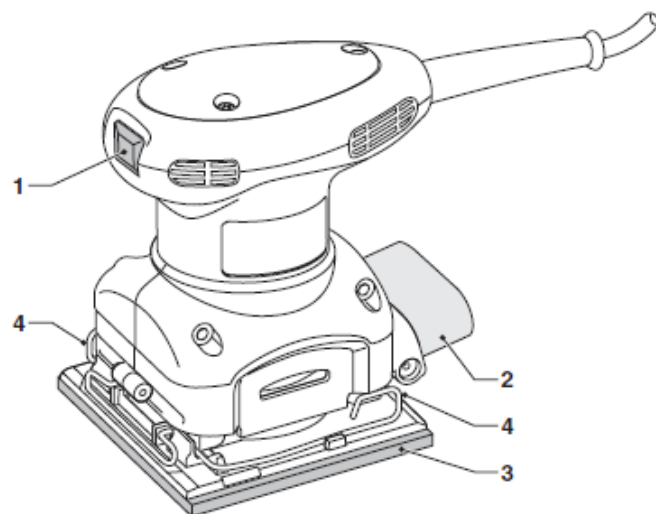


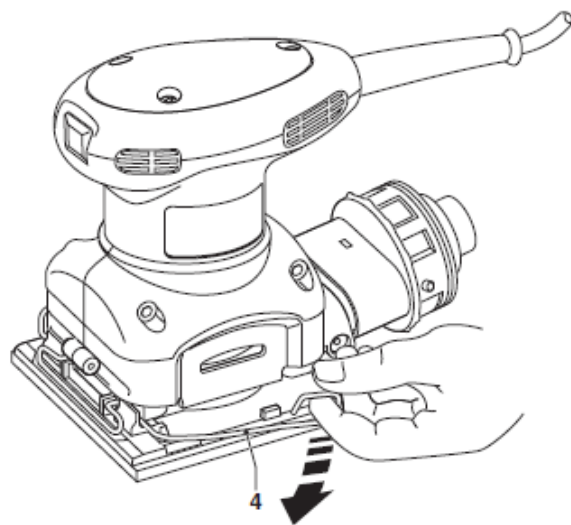


**D26441**



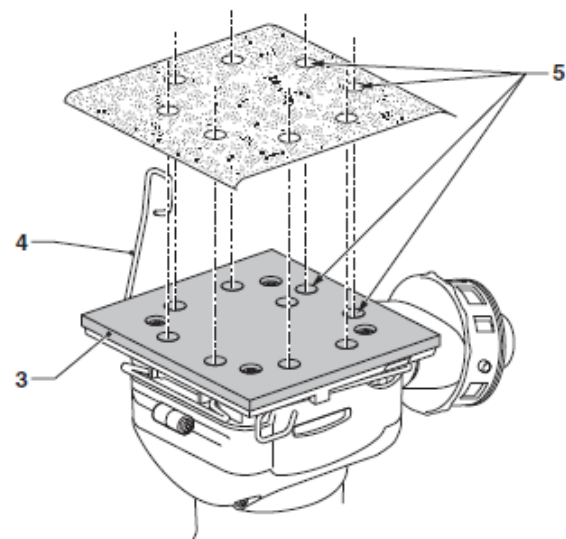
**A**

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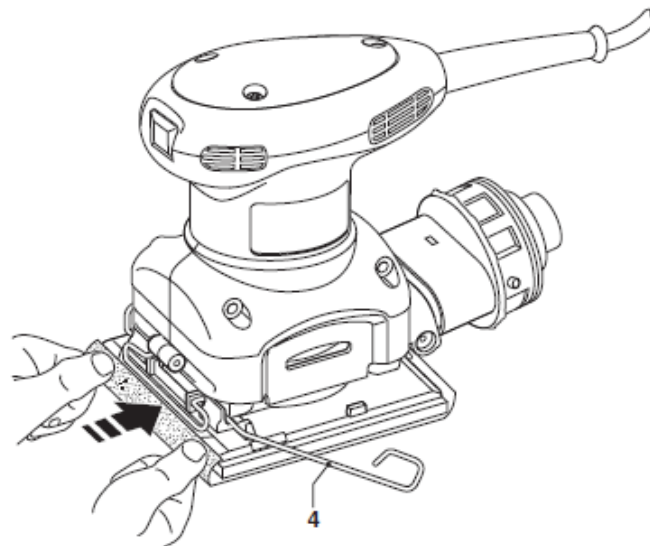
**B1**

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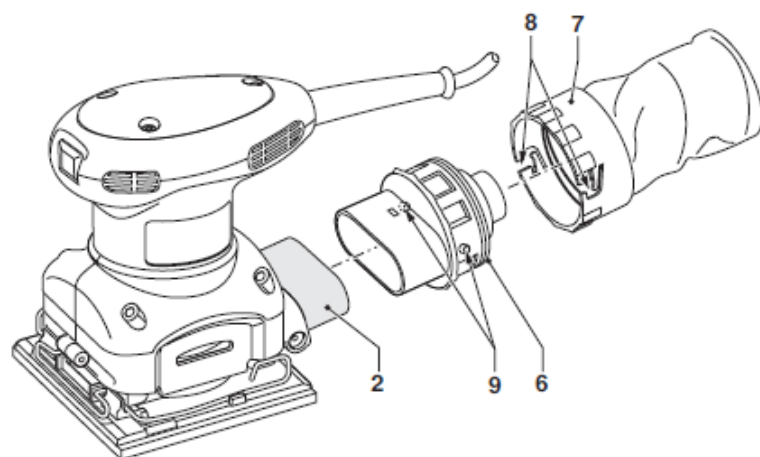
**B2**

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**B3**

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**C**

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# PALM GRIP SANDER D26441

## 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

|             |                   | D26441    |
|-------------|-------------------|-----------|
| Power input | W                 | 230       |
| Pad size    | mm                | 108 x 115 |
| Orbits      | min <sup>-1</sup> | 14,000    |
| Orbit       | mm                | 1.4       |
| Weight      | kg                | 1.3       |

The following symbols are used throughout this manual:



Denotes risk of personal injury, loss of life or damage to the tool in case of non-observance of the instructions in this manual.



Denotes risk of electric shock.



Fire hazard.



Explosion hazard.

## EC-Declaration of conformity



### D26441

DeWALT declares that these power tools have been designed in compliance with: 98/37/EC, 89/336/EEC, 73/23/EEC, 86/188/EEC, EN 60745-1, EN 60745-2-4, EN 55014-2, EN 55014-1, EN 61000-3-2 & EN 61000-3-3.

For more information, please contact DeWALT at the address below, or refer to the back of the manual.

|                                              |                  | D26441 |
|----------------------------------------------|------------------|--------|
| L <sub>pa</sub> (sound pressure)             | dB(A)            | 79     |
| L <sub>wa</sub> (acoustic power)             | dB(A)            | 90     |
| Weighted RMS acceleration value              | m/s <sup>2</sup> | 9.3    |
| K <sub>pa</sub> (sound pressure uncertainty) | dB(A)            | 3      |
| K <sub>wa</sub> (acoustic power uncertainty) | dB(A)            | 3      |

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### General safety rules

**Warning!** Read all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. The term „power tool“ in all of the warnings listed below refers to your mains operated (corded) power tool or battery operated (cordless) power tool. **SAVE THESE INSTRUCTIONS.**

#### 1 Work area

- 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.

#### 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 safety equipment. Always wear eye protection.** Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c **Avoid accidental starting. Ensure the switch is in the off position before plugging in.** Carrying power tools with your finger on the switch or plugging in 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 these devices can reduce dust related hazards.

#### 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 before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.

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- 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 tools 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 and in the manner intended for the particular type of power tool, 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.

### 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.

### Additional safety instructions for sanders



Take special care when sanding some woods (e.g. beech, oak) and metal which may produce toxic dust. Wear a dust mask specifically designed for protection against toxic dust and fumes and ensure that persons within or entering the work area are also protected.

- Use this tool in a well-ventilated area when sanding ferrous metals. Do not operate the tool near flammable liquids, gases or dust. Sparks or hot particles from sanding or arcing motor brushes may ignite combustible materials.

### Sanding paint

Observe the applicable regulations for sanding paint. Pay special attention to the following:

- 1 Whenever possible, use a vacuum extractor for dust collection.
- 2 Take special care when sanding paint which is possibly lead based:
  - Do not let children or pregnant women enter the work area.
  - All persons entering the work area should wear a mask specially designed for protection against lead paint dust and fumes.
  - Do not eat, drink or smoke in the work area.
- 3 Dispose of dust particles and any other removal debris safely.

### Description (fig. A)

Your palm grip sander D26441 has been designed for sanding of wood, metal and plastics in a professional environment.

- 1 On/off switch
- 2 Dust extraction outlet
- 3 Sanding pad
- 4 Sanding sheet clamp knob

### Electrical safety

The electric motor has been designed for one voltage only. Always check that the power supply corresponds to the voltage on the rating plate.



Your DeWALT tool is double insulated in accordance with EN 60745; therefore no earth wire is required.

### Using an extension cable

If an extension cable is required, use an approved extension cable suitable for the power input of this tool (see technical data). The minimum conductor size is 1.5 mm<sup>2</sup>.

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

Also refer to the table below.

| Conductor size (mm <sup>2</sup> ) | Cable rating (Amperes) |
|-----------------------------------|------------------------|
| 0.75                              | 6                      |
| 1.00                              | 10                     |
| 1.50                              | 15                     |
| 2.50                              | 20                     |
| 4.00                              | 25                     |

| Cable length (m) |     |    |    |    |       |
|------------------|-----|----|----|----|-------|
|                  | 7.5 | 15 | 25 | 30 | 45 60 |

| Voltage | Amperes     | Cable rating (Amperes) |    |    |    |    |    |
|---------|-------------|------------------------|----|----|----|----|----|
| 115     | 0 - 2.0     | 6                      | 6  | 6  | 6  | 6  | 10 |
|         | 2.1 - 3.4   | 6                      | 6  | 6  | 6  | 15 | 15 |
|         | 3.5 - 5.0   | 6                      | 6  | 10 | 15 | 20 | 20 |
|         | 5.1 - 7.0   | 10                     | 10 | 15 | 20 | 20 | 25 |
|         | 7.1 - 12.0  | 15                     | 15 | 20 | 25 | 25 | -  |
| 230     | 12.1 - 20.0 | 20                     | 20 | 25 | -  | -  | -  |
|         | 0 - 2.0     | 6                      | 6  | 6  | 6  | 6  | 6  |
|         | 2.1 - 3.4   | 6                      | 6  | 6  | 6  | 6  | 6  |
|         | 3.5 - 5.0   | 6                      | 6  | 6  | 6  | 10 | 15 |
|         | 5.1 - 7.0   | 10                     | 10 | 10 | 10 | 15 | 15 |
|         | 7.1 - 12.0  | 15                     | 15 | 15 | 15 | 20 | 20 |
|         | 12.1 - 20.0 | 20                     | 20 | 20 | 20 | 25 | -  |

### Assembly and adjustment



Prior to assembly and adjustment always unplug the tool.

#### Fitting regular sanding sheets (fig. B1 - B3)

- Soften the sanding sheet by rubbing its non-abrasive side over the edge of a worktop.
- Release both sanding sheet clamp knobs (4).
- Hold the sanding pad (3) with one hand and align the dust extraction holes (5).
- Slide the sanding sheet under the sanding sheet clamp (4).
- Engage the corresponding sanding paper clamp knob (4).
- Stretch the sanding paper firmly over the sanding pad (3) and repeat for the other clamp.

#### Dust extraction (fig. C)



Since woodworking with a sander produces dust, always install a dustbag designed in compliance with the applicable directives regarding dust emission.



Do not use a dustbag or vacuum extractor without proper spark protection when sanding metal.

The tool is supplied with an adapter for connecting a dustbag or a vacuum extractor.

- Fit the dust extraction adaptor (6) onto the outlet (2) as shown.
- Attach the dustbag (7) by aligning the open-ended slots (8) with the notches (9) and fitting the bag onto the adaptor (6).
- Turn the assembly clockwise to lock it in position.
- Alternatively, connect the tool to a vacuum extractor using the adaptor (6).

#### Instructions for use



- Always observe the safety instructions and applicable regulations.

- Make sure all materials to be sanded are well secured.
- Apply only a gentle pressure to the workpiece. Excessive pressure does not improve the sanding effect, but only results in an increased load on the machine and causes the abrasive to tear.
- Avoid overloading.



Do not sand magnesium!

#### Switching on and off (fig. A)

- To switch the tool on, set the on/off switch to position I.
- To switch the tool off, set the on/off switch to position O.

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### **Sanding (fig. A)**

- Start with the coarsest grit size.
- As the tool produces small scratch marks in all directions, it is not necessary to sand with the grain.
- Check your work at short intervals.
- Always switch off the tool when work is finished and before unplugging.

### **Emptying the dustbag (fig. C)**

For efficient dust extraction empty the dust collector when it is about one third full.

- To empty the dust collector, pull it off together with the adaptor.
- Remove the dustbag (7) from the adaptor (6) by turning it counter-clockwise and pulling it off.
- Empty the contents of the bag into a waste container. If necessary, use a vacuum extractor to clean the dustbag, applying suction to the interior surface.
- Re-fit the dust extraction adaptor.
- Re-fit the dustbag.

Consult your dealer for further information on the appropriate accessories.

### **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.

### **Lubrication**

Your power tool requires no additional lubrication.

### **Cleaning**

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

- After the tool is used in metal sanding applications without dustbag, clean the tool using low-pressure air.

### **Protecting the environment**



Separate collection. This product must not be disposed of with normal household waste.

Should you find one day that your DeWALT product needs replacement, or if it is of no further use to you, do not dispose of it with household waste. Make this product available for separate collection.



Separate collection of used products and packaging allows materials to be recycled and used again. Re-use of recycled materials helps prevent environmental pollution and reduces the demand for raw materials.

### **Service Information**

DeWALT offers a full network of company-owned and authorized service locations throughout Asia. All DeWALT Service Centers are staffed with trained personnel to provide customers with efficient and reliable power tool service. Whether you need technical advice, repair, or genuine factory replacement parts, contact the DeWALT location nearest to you.

### **Notes**

- DeWALT's policy is one of continuous improvement to our products and, as such, we reserve the right to change product specifications without prior notice.
- Standard equipment and accessories may vary by country.
- Product specifications may differ by country.
- Complete product range may not be available in all countries. Contact your local DeWALT dealers for range availability.