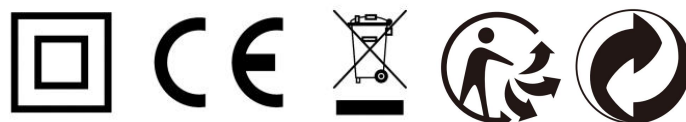


**DEKO®****EN****INSTRUCTION  
MANUAL  
RANDOM ORBITAL  
SANDER**

See page 1

**DKOS32G125**

**⚠ IMPORTANT:** Read this instruction manual before operating this product. Keep the instruction manual for future reference.



DEKO TOOLS CO., LIMITED  
www.dekotools.com Made in China

## General Power Tool Safety Warnings

**⚠ WARNING:** Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference.

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

### 1) Work area safety

- a) Keep work area clean and well lit. Cluttered or 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 a 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 energizing 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 and clothing 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 frequent 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 remove the battery pack, if detachable, 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 and accessories. 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 and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces 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.

**Safety Rules for Sanders**

**1) Disconnect the sander from power source before changing accessories.** Accidental start-ups may occur if the sander is plugged in changing an accessory.

**2) Use clamps or other practical way to secure and support the workpiece to a stable platform.** Holding the work by hand or against your body is unstable and may lead to loss of control.

**3) If your tool is equipped with a dust bag, empty it frequently and after completion of sanding.** Be extremely careful of dust disposal, materials in fine particle form may be explosive. Do not throw sanding dust on an open fire. Spontaneous combustion, may in time, result from mixture of oil or water with dust particles.

**4) Always wear eye protection and a dust mask for dusty applications and when sanding overhead.** Sanding particles can be absorbed by your eyes and inhaled easily and may cause health complications.

**5) Use special precautions when sanding chemically pressure treated timber paint that may be lead based or any other materials that may contain carcinogens.** A suitable breathing respirator and protective clothing must be worn by all persons entering the work area. Work area should be sealed by plastic sheeting and persons not protected should be kept out until work area is thoroughly cleaned.

**6) Remove dust and other waste matter in an environmentally safe way**







**7) Do not wet sand with this sander.** Liquids entering the motor housing are an electrical shock hazard.

**8) Do not use sandpaper intended for larger sanding or pads.** Larger sandpaper will extend beyond the sanding pad causing snagging or tearing of the paper or kick-back. Extra paper extending beyond the sanding pad can also cause serious lacerations.

**9) Keep handles dry, clean and free from oil and grease.** Slippery hands cannot safely control the power tool.

**Symbol Explanation**

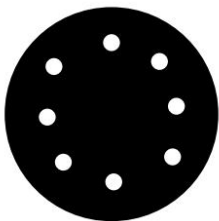
In this manual and/or on the machine the following symbols are used:

	Denotes risk of personal injury or damage to the tool.
	Read instruction manual before use.
	Conforms to relevant legislation and safety standards.
	Do not dispose of power tools and batteries/rechargeable batteries into household waste! Dispose the products according to the regulation and requirement of local council.
	Double insulation. Class II device. The device must not be earthed.
	Wear hearing protection. Wear eye protection. Wear breathing protection.

## Product Specifications

Model No.	DKOS32G125
Rated voltage & frequency	220-240V~50/60Hz
Input power	320w
No-load speed	7000~14000/min
Pad Size	Φ125mm

## Parts description



∅ 125 mm

- 1.Soft grip
- 2.On/Off Switch
- 3.Hook and loop backing pad
- 4.Speed dial
- 5.Dust box
- 6.Dust extraction port

## Intended Use

This sander has been designed for sanding wood, metal, plastics and painted surfaces.

## Operation

**⚠ WARNING:** To reduce the risk of injury, turn unit off and disconnect it from power source before installing and removing accessories, before adjusting or when making repairs. An accidental start-up can cause injury.

### Fitting the sanding sheets

**⚠ WARNING:** Never use the tool without a sanding sheet or accessory in place.

- 1.Turn the sander over so that the backing pad is facing upward.
2. Remove all dirt or foreign matter from the backing pad.
- 3.Then attach the sandpaper to the backing pad, using the



hook-and-loop system of the sand paper and the sanding plate.

4. Make sure the perforations in the paper coincide with those on the sanding pad, to ensure optimal dust collection.

5. Press the sandpaper around the edges of the sanding pad until the sandpaper is firmly stuck onto the sanding pad.

**⚠ WARNING:** The sand paper must be stuck firmly on sanding pad and should not come loose. Never use the tool without sandpaper or accessory in place

## Switching On/Off

The tool is switched "On" by the ON/OFF switch located on the front of the tool housing.

To turn the tool on, push the switch to rightwards and locate the "ON (I)" setting.

To turn the tool off, push the switch to leftwards and locate the "OFF (O)" setting.

## Speed dial

The sander features 6 speed gear box which allows you to match the proper speed to the material being sanded. The speed dial allows you to increase or decrease the speed from 7,000-14,000 orbits per minute. The optimal speed setting for each application is very much dependent on personal preference. Generally, you will want to use a higher setting on harder materials and a lower setting on softer materials. Material removal rate increases as speed increases.

**⚠ WARNING:** The tool must be turned off before switching speed.

## Pad brake

These sanders are equipped with a pad brake that prevents over-speeding of the pad. If the tool is lifted off the work surface while the motor is running, the brake will limit pad rotation to no more than 500 OPM.

The plastic pad brake is used to provide the braking action.

## Using the dust collection box

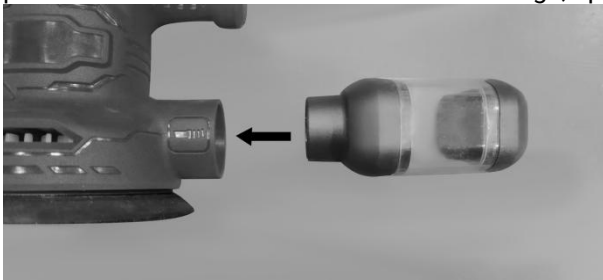
The dust extraction system extracts sanding dust from the work piece through the holes in the backing pad. The dust is then transferred through the dust extraction port on the rear of the sander housing.

**To install:** users can directly insert the dust box onto the dust extraction port. please make sure the dust bag is tightly fastened.

**To remove:** When removing the dust box, follow the above procedure in reverse order.

If the dust collection box is full, you can remove it from this tool and open the cover of box, empty dust, wood dust, etc. in the body, finally clean the dust collection box.

**⚠ WARNING:** Please empty the dust collection box frequently, after completion of sanding and before storing the sander. Be extremely careful of dust disposal; materials in fine particle form may be explosive. Do not throw sanding dust on an open fire. Combustion from mixtures of varnishes, lacquers, polyurethane, oil or water with dust particles can occur if there is a static discharge, spark introduced in the box, or excessive heat.



## Attaching to a vacuum cleaner

**⚠ WARNING:** The tool must be turned off before connecting to a vacuum hose.

Users can directly attach the vacuum hose to the dust extraction port

1. Remove the dust box from the sander.
2. To insert, slide the vacuum hose into the dust extraction port.

## Using the sander

1. Secure the work to prevent it from moving under the sander.
2. Place the sander on the workpiece so that all of the sanding disc surface is in contact with the workpiece.
3. Grasp it as shown and turn it on. Start the sander and move it slowly. Move the sander in long, steady strokes over the workpiece. The random orbital action of your sander allows you to sand with the grain or at any angle across it for most sanding jobs.



4. Upon completion of the sanding operation, turn the sander off and wait until the sanding disc comes to a complete stop before removing it from the workpiece.

### Tool Tips

If the surface is rough, begin with coarser grits and then complete the surfacing with medium and fine abrasives. To avoid uneven results, do not skip more than one grit size when going from coarser to finer grits, and do not sand in one area for too long.

**NEVER FORCE THE SANDER.** The weight of the sander supplies adequate pressure so let the sandpaper and the sander do the work. Applying additional pressure only slows the motor, rapidly wears the sandpaper and greatly reduces the sander speed. Excessive pressure will overload the motor causing possible damage from motor overheating and can result in inferior work.

Any finish or resin on wood may soften from frictional heat. This will cause the material to rapidly clog the sandpaper, rendering it useless. A heat gun will work much better to remove paint before sanding.

Do not allow sanding on one spot too long, as the sander's rapid action may remove too much material, particularly when using only one corner of the pad, making the surface uneven.

### Sandpaper Selection

Sanding paper is available with different grain sizes (grit) and for different material. The grain size is indicated with a number on the reverse of the sanding paper, the higher the number the finer is the grain size.

Grain size	Coarse	Application
< 80	Coarse	Removal of paint and varnish, preparation of rough surfaces.
80-120	Medium	Medium For face sanding and smoothing small irregularities.
>180	Fine	Finishing, cleaning plaster and water stain from wood

1. Only use suitable sandpaper in terms of application and size. Do not use the papers that are bigger than the base plate of the product.
2. Replace worn or damaged sandpaper immediately.
3. Start with a coarse sanding paper and finish with a fine-grained one to achieve a satisfactory result.
4. Do not use the same sanding paper on different materials, e. g. do not use the sanding paper that has been used for sanding metal to sand wood. Small metal particles remaining in the sanding paper will lead to scratches.
5. We recommend using sandpaper with a hole pattern for sufficient dust extraction.

### Precautions to take when sanding paint

Sanding of lead based paint is NOT RECOMMENDED due to the dangers of lead poisoning. In dusty areas a dust mask should be worn.

## Maintenance

### General Maintenance

**When servicing, use only identical replacement parts. Use of any other parts could create a hazard or cause product damage.**

Periodically inspect the entire product for damaged, missing, or loose parts such as screws, nuts, bolts, caps, etc. Tighten securely all fasteners and caps and do not operate this product until all missing or damaged parts are replaced. Please contact customer service or an authorized service center for assistance.

### Cleaning

**The tool may be cleaned most effectively with compressed dry air. Always wear safety goggles when cleaning tools with compressed air.** Ventilation openings and switch levers must be kept clean and free of foreign matter. Do not attempt to clean by inserting pointed objects through openings.

**Certain cleaning agents and solvents damage plastic parts.** Some of these are: gasoline, carbon tetrachloride, chlorinated cleaning solvents, ammonia and household detergents that contain ammonia.

### Carbon brushes

The brushes and commutator in your tool have been engineered for many hours of dependable service. To maintain peak efficiency of the motor, we recommend every two to six months the brushes be examined.



## Disposal



The machine and packaging should be sorted for environmental-friendly recycling. Do not dispose of power tools into household waste! Please recycle them at collection points provided for the purpose. Ask your local authority for information about recycling.