

DRYWALL SANDER INSTRUCTION MANUAL

FG-S225series



Original instruction manual

READ THROUGH CAREFULLY AND UNEDERSTAND THESE INSTRUCTIONS BEFORE USE

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"Caution - Read the operating instructions to reduce the risk of injury"



Wear ear-muffs.

The impact of noise can cause damage to hearing.



Wear a breathing mask.

Dust which is injurious to health can be generated when working on wood and other materials. Never use the device to work on any materials containing asbestos!



Wear safety goggles.

Sparks generated during working or splinters, chips and dust emitted by the device can cause loss of sight.

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.*
- f) If operating a power tools 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 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.*
- 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 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.**

Safety Warnings Specific for Sanding

Operations:

- a) Do not use excessively oversized sanding disc paper. Follow manufacturers recommendations, when selecting sanding paper. Larger sanding paper extending beyond the sanding pad presents a laceration hazard and may cause**

snagging, tearing of

the disc or kickba

2. Voltage

Before connecting electric tool to the socket, make sure that the supply voltage be in accordance with rated voltage. If the former is greater than latter and the device is powered on by mistake, it may result in damage of devices and injuries of people. As for indefinite supply voltage of socket, never try to plug for use. Besides, the damage of devices may also occur if the supply voltage falls below rated voltage.

3. Device Application

As one of our products, the device belongs to the hand-held electric tools.

The device mainly caters for lime surface, including the interior wall, ceiling, exterior wall, corridor, etc. Remove the painting lime mud from the wall, and make the surface even or smooth. It may promote the wall grinding efficiency and quality by workers.

With various conditions taken into consideration in the design, the device may run at high or low speed. In addition, you may adjust the connection structure at high and low locations

respectively, in order to optimize the grinding efficiency and realize user-friendly and compact design.

4. Technical Specifications

<u>Model</u>	<u>FG-S225</u>	<u>FG-S225-1</u>	<u>FG-S225-2</u>	<u>FG-S225-3</u>
	<u>FG-S225A-1</u>	<u>FG-S225A-2</u>	<u>FG-S225A-3</u>	<u>FG-S225A-4</u>
	<u>FG-S225L-1</u>	<u>FG-S225L-2</u>	<u>FG-S225L-3</u>	<u>FG-S225L-4</u>
<u>Rated Voltage</u>	<u>110/230 (V~)</u>			
<u>Frequency</u>	<u>50 / 60 (Hz)</u>			
<u>Rated Power</u>	<u>750 (W)</u>			
<u>No-load Speed</u>	<u>800-1750(R/min)</u>			
<u>Sandpaper Dimensions</u>	<u>Φ225(mm)</u>			
<u>Spindle Thredd</u>	<u>M14</u>			
<u>Safety Standard</u>	<u>II /回</u>			
<u>Net/Gross Weight</u>	<u>4/6 (kg)</u>			

5. Structure Overview (See following pictures)

Complete appliance



FG-S225-1 112*28*21 (cm/pc) Length 1250mm/1900mm



FG-S225-3 112*28*21 (cm/1pc) Length 1250mm/1900mm



FG-S225A-2 72.5*27.5*44.5 (cm/2pc) Length 1250mm/1700mm



FG-S225 112*28*19 (cm/1pc) Length 1250mm/1900mm



FG-S225-2 112*28*19 (cm/1pc) Length 1250mm/1900mm



FG-S225A-1 72.5*27.5*44.5 (cm/2pc) Length 1250mm/1700mm



FG-S225A-3 72.5*27.5*44.5 (cm/2pc) Length 1250mm/1700mm



FG-S225A-4 72.5*27.5*44.5 (cm/2pc) Length 1250mm/1700mm



FG-S225L-1 112*28*19 (cm/1pc) Length 1250mm/1900mm



FG-S225L-1 112*28*21 (cm/1pc) Length 1250mm/1900mm



FG-S225A-4 72.5*27.5*44.5 (cm/2pc) Length 1250mm/1700mm



FG-S225A-4 72.5*27.5*44.5 (cm/2pc) Length 1250mm/1700mm



1. Plastic viscid disc component
2. Sandpaper



4. Speed governor

3. Switch



5. Dust Outlet

6. Vacuum dust hose



7. Handle

8. Lengthening bar



9. Locking nut

- 1 Plastic viscid disc component
- 2 Sandpaper
- 3 Switch
- 4 Speed governor
- 5 **Dust Outlet**
- 6 Vacuum dust hose
- 7 Handle
- 8 Lengthening bar
- 9 Locking nut

Standard Accessories

Drywall: 1pc

Insturction manual: 1pc

Sandpaper: 6pcs

Allen Wrench: 1pcs


Carbon Brush: 2pcs

Telescopic Dust hose: 4 m/1pcs

Dust bag: with self cleaning with 1

6. Installation & Sandpaper Replacement (See following picture)



 **Note:** Prior to installation or removing the sandpaper, make sure to not only switch off the device, but also cut off the power supply.

—Installation Guide

To ensure the replacement procedures, place the device on the smooth ground prior to installation. Take the sandpaper from the toolbox, and then fix it onto the disk (see Fig .2). The back of the sandpaper (Item 1) will automatically glue with the disk/adhesive disk (Item 2), making both connection and conduction available.

In order to promote the grinding efficiency, it is necessary to

change the sandpaper after the device has been operational for a certain period. Firstly, switch off the device and disconnect the socket. Then, remove the previous sandpaper entirely from the disk, so as to lay new sandpaper neatly as well as facilitate future replacement. At last, fix new sandpaper in position.

——Sandpaper Overview

Grinding towards the target wall and object is possible with abrasive grains and sandpaper twisting upon operations. The sandpaper is classified into various categories according to its dimensions. It is recommended to select the sandpaper in accordance with actual size of the disk. The more abrasive grains included on the sandpaper, the better flatness and parallelism can be achieved via grinding, while the grinding efficiency will fall accordingly and vice versa. Therefore, the sandpaper (Φ225mm) is recommended upon actual needs.

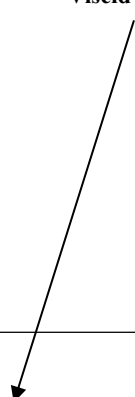
⚠ Warning : Prior to the sandpaper replacement or installation, do read safety precautions and installation guide carefully.

7. Installation & viscid disc Replacement (See following picture)

If the viscid disc is damaged in the work, a new viscid disc can be purchased from our company for replacement.。

——Installation Guide

Viscid disc





Remove the sandpaper, put the Allen wrench into the hexagon hole in the center of the viscid disc and then rotate anticlockwise to take off the damaged viscid disc. Install the new viscid disc (see the picture).

8. Connection Set for Dust Outlet (See following pictures)



a

Component b

Lock



b

a

As its name implies, it is used for connecting the device to Dust Outlet (accessory). The dust will come out from the wall upon operating the grinder. The device is connected to Dust

Collector at back via Connection Set for Dust Outlet, making it possible for the operator to reduce the amount of dust.

—**Installation Guide**

Plug the component b into component, make the lock in the groove and rotate clockwise.

—**Dismantling Process**

Rotate the lock anticlockwise and pull out the dust hose

9. Switch& Speed Governor Operation

The switch of the machine is two step switch. As shown in following picture, press the switch button and push forward to power on. Press the switch button and turn back to power off.

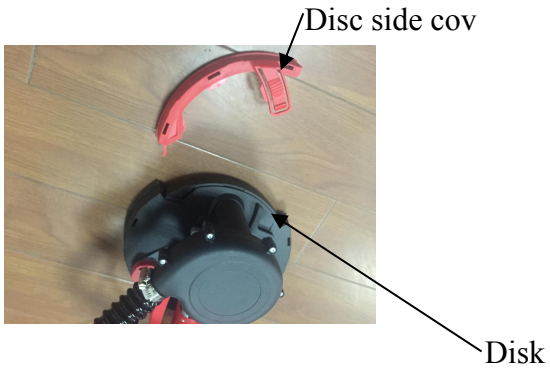
The Speed Governor, as shown in the following picture, may be used to regulate the speed, so as to facilitate the operations of workers and improve work quality simultaneously.



Speed Governor

Switch

10. The operation of the edge angle

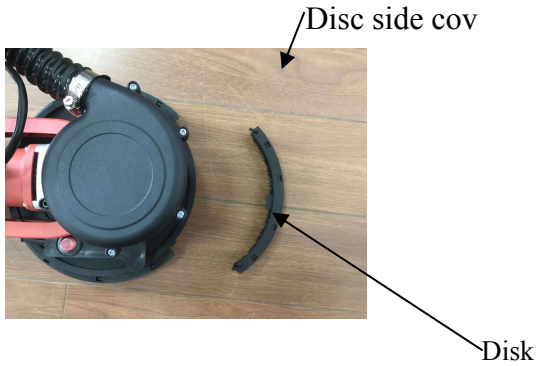


Disc side cov

Disk



A corner when remove the disc edge cover, can make the sand plate close to the wall.

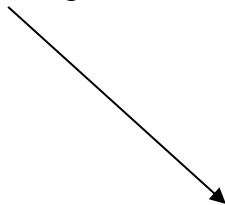




11. Folding installation and disassembly

The main board long straight tubes, the upper and lower joint of folding, folding screw locking handwheel on the joint. Then insert the extension rod, a locking handwheel screw on the handle can be. On the contrary can be removed.

Lengthening bar

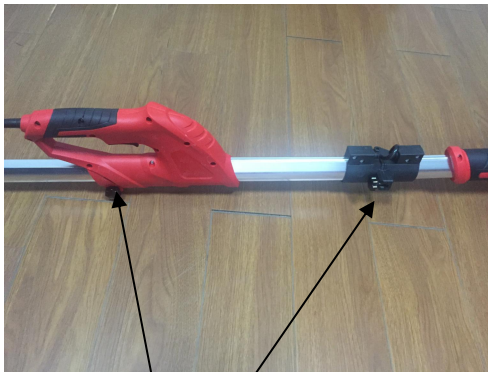




Long main tube

Folding joint

Locking hand wheel



Locking hand wheel

12. Suction adjustment



Suction regulating wheel



Suction regulating wheel

Suction adjustment guide: suction adjustment knob can adjust the suction. It is better to put the knob in the first place, and then adjust the suction according to the need. The direction of the large arrow large suction, and vice versa.

13. LED light (Optional)

When working in the dusky condition, LED light could be added for help.



LED light



LED light

14. Application Diagram



Low position



Ceiling position

With the tension spring machine, motor back hook arm on both sides of the hole, you can easily polished the ceiling.

15. Cleaning

Regular cleaning shall be conducted after grinding.

- Cleaning the devices frequently may help to extend operating life and reduce repair rate. It is recommended to clean the connection sets and components of electric motor without application of water.
- Timely cleaning is recommended after the application of the devices.
- Clean the devices with a hairbrush and a piece of dry cloth, or simply blow it with high pressure gas.

16. Replacement of carbon brush

When the original carbon brush is worn the machine has a set spare carbon brush for replacement.

Guide for the replacement of carbon brush :

- 1) Use the screwdriver to open the cover of the carbon brush and take out the carbon brush
- 2) Put the spare carbon brush into the Brush Carrier, use the screwdriver to rotate and fix the cover of carbon brush tightly.



Carbon brush replacement position

CE Declaration of conformity

We herewith declare, **NinBo FeiGe Tools.Co.,LTD.**

That the following produce complies with appropriate and health requirements of the CE-Directive based on its design and type:

Product Description: **Electric disc-type sander (Pole-mounted)**

Type of Product: **FG-S225series** Year of Product: **2016**

Satisfies the requirement EC-Machinery Directive **2006/42/EC**
of the Council Directive*: EC-Low voltage Directive **2006/95/EC**
EC-Directive of Electromagnetic Compatibility
2004/108/EC

and conforms with the norms**: *EN 60745-1:2009+A11*
EN 60745-2-3:2011
EN 55014-1:2006+A1+A2
EN 55014-2:1997+A1+A2
EN 61000-3-2:2006+A1+A2
EN 61000-3-3:2008

Batch No.:

Notified Body No.

Notified Body Name:

Position of signature: **Director of NinBo FeiGe**
Tools Co.,Ltd.