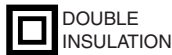
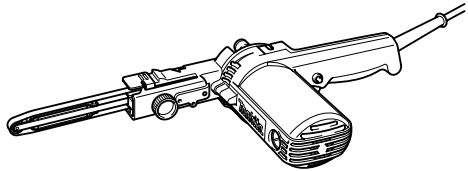




# Filing Sander

MODEL 9032



INSTRUCTION MANUAL

**⚠ WARNING:**

For your personal safety, READ and UNDERSTAND before using.  
SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

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# SPECIFICATIONS

Belt size	Belt speed	Overall length	Net weight
9 mm x 533 mm (3/8" x 21")	5 - 28 m/s (980 - 5600 ft./min.)	420 mm (16-1/2")	1.5 kg (3.3 lbs)

- Manufacturer reserves the right to change specifications without notice.
- Specifications may differ from country to country.

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# GENERAL SAFETY RULES

USA002-2

(For All Tools)

## ⚠ WARNING:

**Read and understand all instructions.** Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.


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# SAVE THESE INSTRUCTIONS

## Work Area

1. **Keep your work area clean and well lit.** Cluttered benches and dark areas invite accidents.
2. **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.
3. **Keep bystanders, children, and visitors away while operating a power tool.** Distractions can cause you to lose control.

## Electrical Safety

4. **Double insulated tools are equipped with a polarized plug (one blade is wider than the other.) This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not change the plug in any way.** Double insulation  eliminates the need for the three wire grounded power cord and grounded power supply system.
5. **Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is grounded.

6. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
7. **Do not abuse the cord. Never use the cord to carry the tools or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately.** Damaged cords increase the risk of electric shock.
8. **When operating a power tool outside, use an outdoor extension cord marked "W-A" or "W".** These cords are rated for outdoor use and reduce the risk of electric shock.

### Personal Safety

9. **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating power tools may result in serious personal injury.
10. **Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts.** Loose clothes, jewelry, or long hair can be caught in moving parts.
11. **Avoid accidental starting. Be sure switch is off before plugging in.** Carrying tools with your finger on the switch or plugging in tools that have the switch on invites accidents.
12. **Remove adjusting keys or wrenches before turning the tool on.** A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.
13. **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enables better control of the tool in unexpected situations.
14. **Use safety equipment. Always wear eye protection.** Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions. Ordinary eye or sun glasses are NOT eye protection.

### Tool Use and Care

15. **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.
  16. **Do not force tool. Use the correct tool for your application.** The correct tool will do the job better and safer at the rate for which it is designed.
  17. **Do not use tool if switch does not turn it on or off.** Any tool that cannot be controlled with the switch is dangerous and must be repaired.
  18. **Disconnect the plug from the power source before making any adjustments, changing accessories, or storing the tool.** Such preventive safety measures reduce the risk of starting the tool accidentally.
  19. **Store idle tools out of reach of children and other untrained persons.** Tools are dangerous in the hands of untrained users.
  20. **Maintain tools with care. Keep cutting tools sharp and clean.** Properly maintained tools with sharp cutting edges are less likely to bind and are easier to control.
  21. **Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tools operation. If damaged, have the tool serviced before using.** Many accidents are caused by poorly maintained tools.
  22. **Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for one tool, may become hazardous when used on another tool.
- ### SERVICE
23. **Tool service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel could result in a risk of injury.

**24. When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual.**

Use of unauthorized parts or failure to follow Maintenance instructions may create a risk of electric shock or injury.

**USE PROPER EXTENSION CORD:** Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. Table 1 shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gage. The smaller the gage number, the heavier the cord.

**Table 1: Minimum gage for cord**

Ampere Rating		Volts	Total length of cord in feet			
		120 V	25 ft.	50 ft.	100 ft.	150 ft.
More Than	Not More Than	AWG				
0	6		18	16	16	14
6	10		18	16	14	12
10	12		16	16	14	12
12	16		14	12	Not Recommended	

## SPECIFIC SAFETY RULES

USB007-3

DO NOT let comfort or familiarity with product (gained from repeated use) replace strict adherence to sander safety rules. If you use this tool unsafely or incorrectly, you can suffer serious personal injury.

1. **Hold tool by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord.** Contact with a "live" wire will make exposed metal parts of the tool "live" and shock the operator.
2. **Always use safety glasses or goggles. Ordinary eye or sun glasses are NOT safety glasses.**
3. **Hold the tool firmly with both hands.**
4. **Make sure the belt is not contacting the workpiece before the switch is turned on.**
5. **Keep hands away from rotating parts.**
6. **Do not leave the tool running. Operate the tool only when hand-held.**
7. **This tool has not been waterproofed, so do not use water on the workpiece surface.**
8. **Ventilate your work area adequately when you perform sanding operations.**
9. **Use of this tool to sand some products, paints and wood could expose user to dust containing hazardous substances. Use appropriate respiratory protection.**

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# SAVE THESE INSTRUCTIONS

## **WARNING:**

MISUSE or failure to follow the safety rules stated in this instruction manual may cause serious personal injury.


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## SYMBOLS

USD204-3

The followings show the symbols used for tool.

**V** ..... volts


 ..... Class II Construction

**A** ..... amperes

**m/s** ..... meter per second

**Hz** ..... hertz

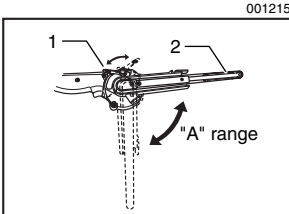
**ft/min** ..... feet per minute

 ..... alternating current

# FUNCTIONAL DESCRIPTION

## ⚠ CAUTION:

- Always be sure that the tool is switched off and unplugged before adjusting or checking function on the tool.

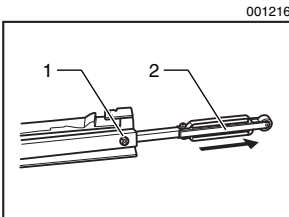


1. Lock lever
2. Arm

## Adjusting arm inclination

The arm can be pivoted and fixed at any desired angle within the "A" range according to the operating position or the figure of the workpiece.

Loosen the lock lever by raising it. Pivot the arm to the desired position, and secure the lock lever to fix the arm firmly.



1. Screw
2. Arm

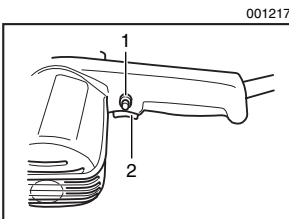
## Replacing arm

By replacing the standard-equipped arm by optional one, 6 mm (1/4") or 13 mm (1/2") width belt can be used. Remove the arm by loosening the screw that secures the arm. Insert the arm that fits the belt to be used, and tighten the screw firmly.

## Switch action

## ⚠ CAUTION:

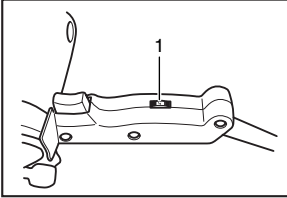
- Before plugging in the tool, always check to see that the switch trigger actuates properly and returns to the "OFF" position when released.



1. Lock button
2. Switch trigger

To start the tool, simply pull the switch trigger. Release the switch trigger to stop. For continuous operation, pull the switch trigger and then push in the lock button. To stop the tool from the locked position, pull the switch trigger fully, then release it.

001218



1. Speed adjusting dial

## Speed adjusting dial

The belt speed can be infinitely adjusted between 5 m and 28 m per second (980 - 5600 ft./min.) by turning the speed adjusting dial to a given number setting from 1 to 6.

Higher speed is obtained when the dial is turned in the direction of number 6; lower speed is obtained when it is turned in the direction of number 1. Select the proper speed for the workpiece to be sanded.

### ⚠ CAUTION:

- The speed adjusting dial can be turned only as far as 6 and back to 1. Do not force it past 6 or 1, or the speed adjusting function may no longer work.

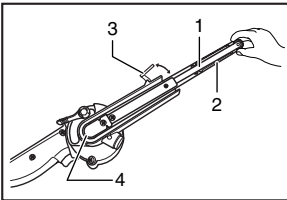
## ASSEMBLY

### ⚠ CAUTION:

- Always be sure that the tool is switched off and unplugged before carrying out any work on the tool.

## Installing or removing abrasive belt

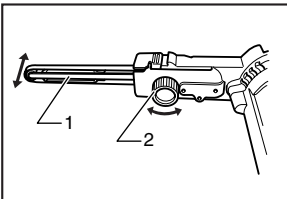
001219



1. Arm
2. Abrasive belt
3. Cam lever
4. Rear pulley

Pull the cam lever all the way out. Install the belt over the rear pulley, and slip the belt over the front pulley, with the belt pulled out to the front arm. Return the cam lever to the original position.

001220



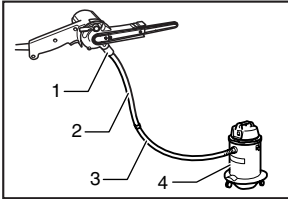
1. Arm
2. Adjusting dial

## Adjusting belt tracking

Switch on the tool and make sure that the belt is aligned properly.

Use the adjusting dial to center the belt tracking. Turn the adjusting dial clockwise to incline the arm to the right, or counterclockwise to incline it to the left.

001221



1. Dust nozzle
2. Hose 28
3. Hose of vacuum cleaner
4. Vacuum cleaner

## Connecting to Makita vacuum cleaner or dust collector

### ⚠ CAUTION:

- Always close the nozzle cap when the vacuum cleaner/dust collector is not connected to the nozzle. Never insert your finger into the nozzle.

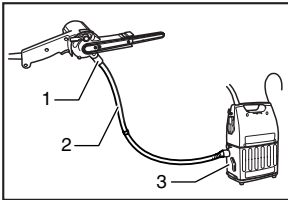
Cleaner sanding operations can be performed by connecting the belt sander to Makita vacuum cleaner or dust collector.

Open the nozzle cap, and install the dust nozzle. Connect the hose of a vacuum cleaner/dust collector to the dust nozzle.

When connecting to Makita vacuum cleaner, an optional hose 28 mm (1-1/8") in inner diameter is necessary.

When connecting to Makita dust collector, connect the hose of the dust collector directly to the dust nozzle.

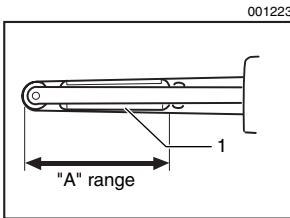
001222



1. Dust nozzle
2. Hose 28
3. Dust collector



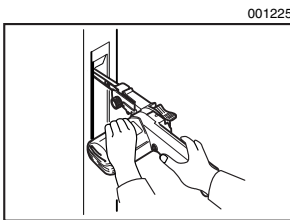
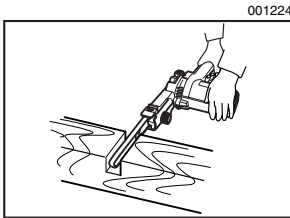
## OPERATION



1. Flat shoe

Hold the tool firmly with both hands. Turn the tool on and wait until it attains full speed. Gently apply the tool to the workpiece surface and move the tool forward and back. Press the belt only lightly on the workpiece. Excessive pressure may damage the belt and shorten tool life.

Always use "A" range of the belt to sand the workpiece.



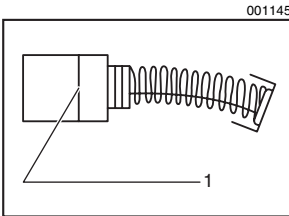
### ⚠ CAUTION:

- Secure the workpiece with clamps, etc. if there is any possibility of it moving during the work operations.
- The tool should not already be in contact with the workpiece surface when you turn the tool on or off. Otherwise a poor sanding finish, damage to the belt of loss of control of the tool may result.
- When working with the tool, be very careful to avoid any contact of the tool and belt with any part of your body or anyone or anything near you.

# MAINTENANCE

## ⚠ CAUTION:

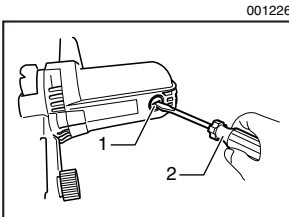
- Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.



1. Limit mark

## Replacing carbon brushes

Remove and check the carbon brushes regularly. Replace when they wear down to the limit mark. Keep the carbon brushes clean and free to slip in the holders. Both carbon brushes should be replaced at the same time. Use only identical carbon brushes.



1. Brush holder cap  
2. Screwdriver

Use a screwdriver to remove the brush holder caps. Take out the worn carbon brushes, insert the new ones and secure the brush holder caps.

To maintain product SAFETY and RELIABILITY, repairs, any other maintenance or adjustment should be performed by Makita Authorized or Factory Service Centers, always using Makita replacement parts.

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## ACCESSORIES

### CAUTION:

- These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. Only use accessory or attachment for its stated purpose.

If you need any assistance for more details regarding these accessories, ask your local Makita service center.

- Arm (6, 9, 13 mm: 1/4", 3/8", 1/2")
- 6 mm (1/4") Abrasive belt (#40, #60, #80, #100, #120)
- 9 mm (3/8") Abrasive belt (#40, #60, #80, #100, #120)
- 13 mm (1/2") Abrasive belt (#40, #60, #80, #100, #120)
- Dust nozzle assembly
- Hose 28