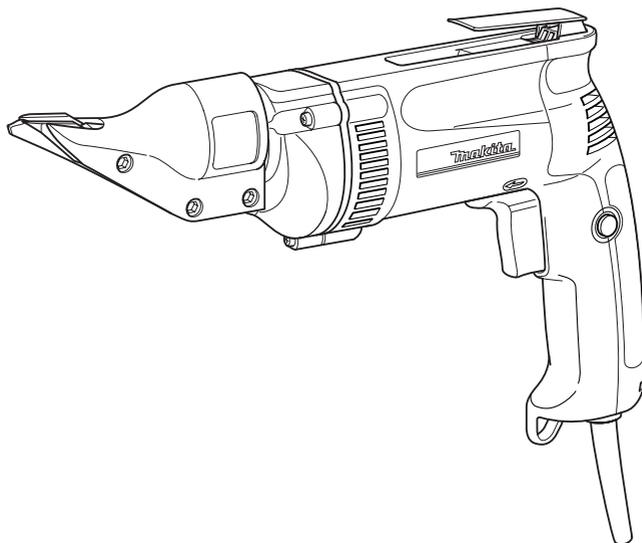




# Straight Shear

## JS1300



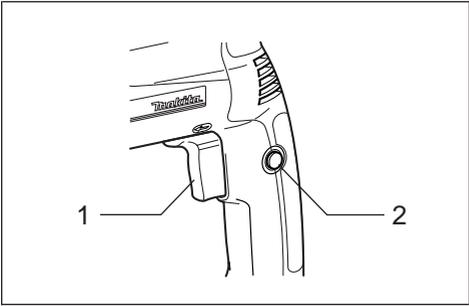
### SPECIFICATIONS

Model	JS1300
Max. cutting capacities	
Steel up to 400 N/mm <sup>2</sup> .....	1.3 mm
Steel up to 600 N/mm <sup>2</sup> .....	1.0 mm
Steel up to 800 N/mm <sup>2</sup> .....	0.5 mm
Aluminium up to 200 N/mm <sup>2</sup> .....	2.5 mm
Strokes per minute .....	0 – 2,500
Overall length .....	302 mm
Net weight .....	1.7 kg

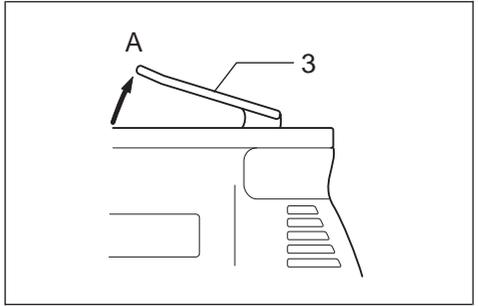
- Due to our continuing program of research and development, the specifications herein are subject to change without notice.
- Note: Specifications may differ from country to country.

#### Power supply

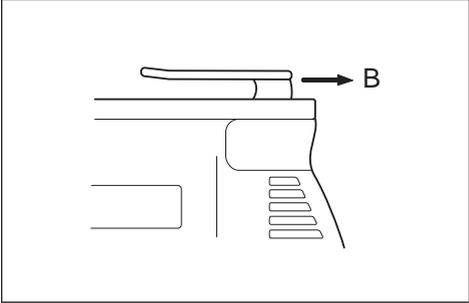
The tool should be connected only to a power supply of the same voltage as indicated on the nameplate, and can only be operated on single-phase AC supply. They are double-insulated in accordance with European Standard and can, therefore, also be used from sockets without earth wire.



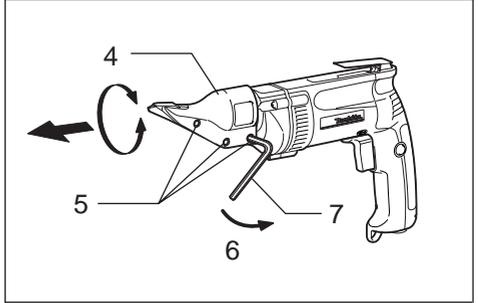
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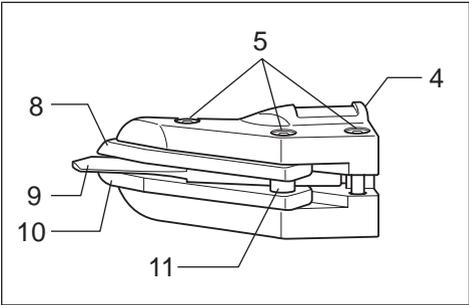
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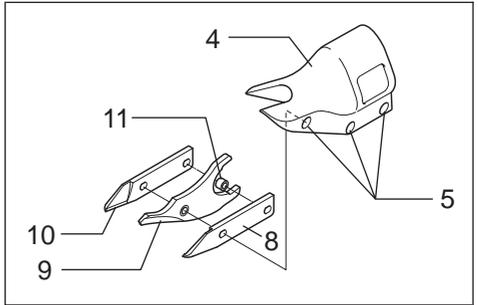
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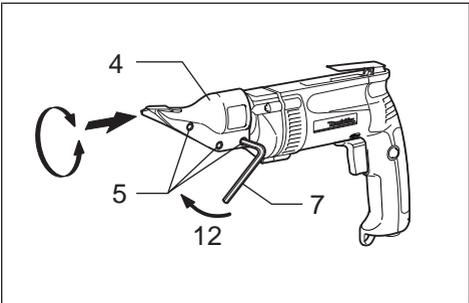
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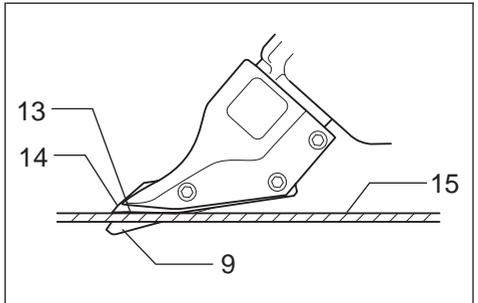
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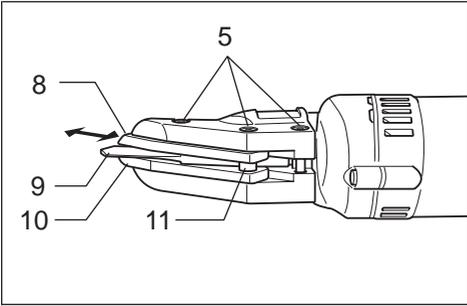
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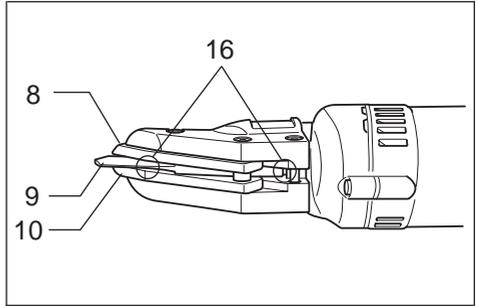
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8



9



10

**Symbols**

The following show the symbols used for the tool. Be sure that you understand their meaning before use.



Read instruction manual.



DOUBLE INSULATION

1 Switch trigger	6 Loosen	11 Sleeve
2 Lock button	7 Hex wrench	12 Tighten
3 Hook	8 Side blade L	13 Side blade surface
4 Cutting head	9 Center blade	14 Side blades
5 Screws	10 Side blade R	15 Workpiece

## 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.**

**For safe operation:**

- 1. Keep work area clean**  
Cluttered areas and benches invite injuries.
- 2. Consider work area environment**  
Don't expose power tools to rain. Don't use power tools in damp or wet locations. Keep work area well lit. Don't use power tools in presence of flammable liquids or gases.
- 3. Guard against electric shock**  
Prevent body contact with grounded surfaces (e.g. pipes, radiators, ranges, refrigerators).
- 4. Keep children away**  
Do not let visitors contact tool or extension cord. All visitors should be kept away from work area.
- 5. Store idle tools**  
When not in use, tools should be stored in dry, high, or locked-up place, out of the reach of children.
- 6. Don't force tool**  
It will do the job better and safer at the rate for which it was intended.
- 7. Use right tool**  
Don't force small tools or attachments to do the job of a heavy duty tool. Don't use tools for purposes not intended; for example, don't use circular saw for cutting tree limbs or logs.
- 8. Dress properly**  
Do not wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
- 9. Use safety glasses and hearing protection**  
Also use face or dust mask if cutting operation is dusty.
- 10. Connect dust extraction equipment**  
If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.
- 11. Don't abuse cord**  
Never carry tool by cord or yank it to disconnect it from receptacle. Keep cord from heat, oil and sharp edges.

## 12. Secure work

Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.

## 13. Don't overreach

Keep proper footing and balance at all times.

## 14. Maintain tools with care

Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and, if damaged, have repaired by authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean and free from oil and grease.

## 15. Disconnect tools

When not in use, before servicing, and when changing accessories such as blades, bits and cutters.

## 16. Remove adjusting keys and wrenches

Form the habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.

## 17. Avoid unintentional starting

Don't carry plugged-in tool with finger on switch. Be sure switch is off when plugging in.

## 18. Outdoor use extension cords

When tool is used outdoors, use only extension cords intended for use outdoors and so marked.

## 19. Stay alert

Watch what you are doing. Use common sense. Do not operate tool when you are tired.

## 20. Check damaged parts

Before further use of the tool, a guard or other part that is damaged should be carefully checked 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 center unless otherwise indicated elsewhere in this instruction manual. Have defective switches replaced by an authorized service center. Do not use tool if switch does not turn it on and off.

## 21. Warning

The use of any other accessory or attachment other than recommended in this operating instruction or the catalog may present a risk of personal injury.

## 22. Have your tool repaired by an expert

This electric appliance is in accordance with the relevant safety rules. Repairing of electric appliances may be carried out only by experts otherwise it may cause considerable danger for the user.

## ADDITIONAL SAFETY RULES

ENB011-2

1. **Hold the tool firmly.**
2. **Secure the workpiece firmly.**
3. **Keep hands away from moving parts.**
4. **Edges and chips of the workpiece are sharp. Wear gloves. It is also recommended that you put on thickly bottomed shoes to prevent injury.**
5. **Do not put the tool on the chips of the workpiece. Otherwise it can cause damage and trouble on the tool.**
6. **Do not leave the tool running. Operate the tool only when hand-held.**
7. **Always be sure you have a firm footing. Be sure no one is below when using the tool in high locations.**
8. **Do not touch the blade or the workpiece immediately after operation; they may be extremely hot and could burn your skin.**
9. **Avoid cutting electrical wires. It can cause serious accident by electric shock.**

## SAVE THESE INSTRUCTIONS.

## OPERATING INSTRUCTIONS

### Switch action (Fig. 1)

#### CAUTION:

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

To start the tool, simply pull the trigger. Tool speed is increased by increasing pressure on the trigger. Release the trigger to stop. For continuous operation, pull the trigger and then push in the lock button. To stop the tool from the locked position, pull the trigger fully, then release it.

### Hook (Fig. 2 & 3)

The hook is convenient for temporary hanging the tool. When using the hook, pull it out in "A" direction and then push it in "B" direction to secure in place. When not using the hook, return it back to its initial position by following the above procedures in reverse.

### Replacement of blades

#### CAUTION:

- Always be sure that the tool is switched off and unplugged before replacement of the blades.
- Never remove the blades with bare hands. Wear gloves. Otherwise it can cause injury.

### Removing cutting head (Fig. 4)

Use the hex wrench to loosen the three screws which secure the cutting head. Pull the cutting head straight out to remove it with turning it left and right alternately.

### Removing shear blades (Fig. 5)

Remove the three screws which hold the cutting head. When removing the second screw, be careful not to fall the sleeve. Then the blades can be removed easily. When removing the blades, hold the blades and the sleeve so that they do not fall from the cutting head.

### Installing shear blades (Fig. 6)

Install the sleeve and tighten the three screws after inserting the center blade, side blade L & R into the cutting head. In this process, the screw heads should be protruding 2 – 3 mm from the cutting head surface. If you will tighten the screws excessively, the cutting head cannot be installed to the tool.

### Installing cutting head (Fig. 7)

#### CAUTION:

Secure the cutting head firmly. Otherwise it can rotate during operation and can cause serious injury.

Insert the cutting head into the tool with turning it left and right alternately. Then tighten the three screws with the hex wrench.

### Operation (Fig. 8)

#### CAUTION:

Edges and chips of the workpiece are sharp. Wear gloves. Otherwise it can cause injury.

Secure the workpiece firmly. Move the tool forward keeping the side blades flush with the workpiece surface.

### Adjusting shear blade (Fig. 9)

Adjust the side blade L so that the curl of waste material does not contact the cutting head or the workpiece. Use the hex wrench to loosen the three screws which hold the cutting head. Move the side blade L back and forth to adjust it. Then tighten the three screws with the hex wrench.

## MAINTENANCE

#### CAUTION:

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

### Lubrication (Fig. 10)

Before operation, lubricate the contact point of the center blade and the side blades R/L. And, also lubricate the point of the center blade near the cutting head. To keep good cutting performance, use lubricant from time to time during operation.

To maintain product safety and reliability, repairs, maintenance or adjustment should be carried out by a Makita Authorized Service Center.





**Makita Corporation**

Anjo, Aichi Japan

Made in Japan

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