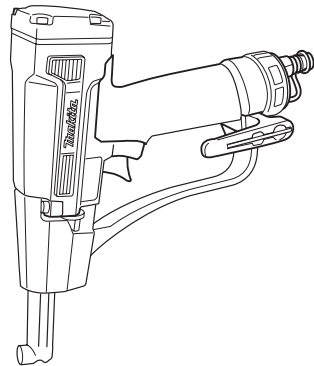




Air Nailer

MODEL AG125



005365

I N S T R U C T I O N M A N U A L

⚠ WARNING:

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

SPECIFICATIONS

Model	AG125
Air pressure	0.44 - 0.83 Mpa (4.4 - 8.3 bar)
Nail length	75 mm - 125 mm
Diameter of nail head	7.5 - 11.0 mm
Over length	260 mm
Min. hose diameter	6.5mm
Pneumatic tool oil	Turbine oil
Net weight	1.3 kg

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

Symbols

END101-1

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



.....Read instruction manual.



.....Wear safety glasses.

Intended use

The tool is intended for preliminary-work-nailing and fixture-fastening with individual non-connected nails.

For European countries only

Noise and Vibration

The typical A-weighted noise levels are
 sound pressure level: 93 dB (A)
 sound power level: 106 dB (A)

– Wear ear protection. –

The typical weighted root mean square acceleration value is 18 m/s².

EC-DECLARATION OF CONFORMITY

We declare under our sole responsibility that this product is in compliance with the following standards of standardized documents, EN792 in accordance with Council Directives, 98/37/EC,

Yasuhiko Kanzaki **CE 2004**

Director

MAKITA INTERNATIONAL EUROPE LTD.

Michigan Drive, Tongwell, Milton Keynes, Bucks MK15 8JD, ENGLAND

IMPORTANT SAFETY INSTRUCTIONS

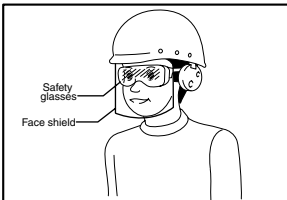
ENB091-1

⚠ WARNING:

WHEN USING THIS TOOL, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED TO REDUCE THE RISK OF PERSONAL INJURY, INCLUDING THE FOLLOWING:

READ ALL INSTRUCTIONS.

- For personal safety and proper operation and maintenance of the tool, read this instruction manual before using the tool.
- Always wear safety glasses to protect your eyes from dust or nail injury.



⚠ WARNING:

It is an employer's responsibility to enforce the use of safety eye protection equipment by the tool operators and by other persons in the immediate working area.

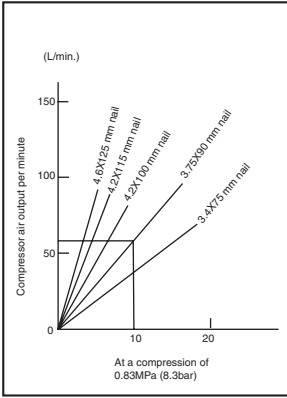
- **Wear hearing protection to protect your ears against exhaust noise and head protection. Also wear light but not loose clothing. Sleeves should be buttoned or rolled up. No necktie should be worn.**
- **Rushing the job or forcing the tool is dangerous. Handle the tool carefully. Do not operate when under the influence of alcohol, drugs or the like.**
- **General Tool Handling Guidelines:**
 1. Always assume that the tool contains fasteners.
 2. Do not point the tool toward yourself or anyone whether it contains fasteners or not.
 3. Do not activate the tool unless the tool is placed firmly against the workpiece.
 4. Respect the tool as a working implement.
 5. No horseplay.
 6. Do not hold or carry the tool with a finger on the trigger.
 7. Do not load the tool with fasteners when any one of the operating controls is activated.
 8. Do not operate the tool with any power source other than that specified in the tool operating/safety instructions.
- An improperly functioning tool must not be used.
- Sparks sometimes fly when the tool is used. Do not use the tool near volatile, flammable materials such as gasoline, thinner, paint, gas, adhesives, etc.; they will ignite and explode, causing serious injury.
- The area should be sufficiently illuminated to assure safe operations. The area should be clear and litter-free. Be especially careful to maintain good footing and balance.
- Only those involved in the work should be in the vicinity. Children especially must be kept away at all times.
- There may be local regulations concerning noise which must be complied with by keeping noise levels within prescribed limits. In certain cases, shutters should be used to contain noise.
- Securing the trigger in the ON position is also very dangerous. Never attempt to fasten the trigger. Do not operate a tool if any portion of the tool operating controls is inoperable, disconnected, altered, or not working properly.
- Operate the tool within the specified air pressure of 0.44 - 0.83 MPa (4.4 - 8.3 bar) for safety and longer tool life. Do not exceed the recommended max. operating pressure of 0.83 MPa (8.3 bar). The tool should not be connected to a source whose pressure potentially exceeds 1.37 MPa (13.7 bar).
- Make sure that the pressure supplied by the compressed air system does not exceed the maximum allowable pressure of the fastener driving tool. Set the air pressure initially to the lower value of the recommended allowable pressure (see SPECIFICATIONS).
- Never use the tool with other than compressed air. If bottled gas (carbon dioxide, oxygen, nitrogen, hydrogen, air, etc.) or combustible gas (hydrogen, propane, acetylene, etc.) is used as a power source for this tool, the tool will explode and cause serious injury.
- Always check the tool for its overall condition and loose screws before operation. Tighten as required.

-
- Make sure all safety systems are in working order before operation. The tool must not operate if only the trigger is pulled or if only the contact arm is pressed against the wood. It must work only when both actions are performed. Test for possible faulty operation with nails unloaded and the pusher in fully pulled position.
 - Check walls, ceilings, floors, roofing and the like carefully to avoid possible electrical shock, gas leakage, explosions, etc. caused by striking live wires, conduits or gas pipes.
 - Use only nails specified in this manual. The use of any other nails may cause malfunction of the tool.
 - Do not permit those uninstructed to use the tool.
 - Make sure no one is nearby before nailing. Never attempt to nail from both the inside and outside at the same time. Nails may rip through and/or fly off, presenting a grave danger.
 - Watch your footing and maintain your balance with the tool. Make sure there is no one below when working in high locations, and secure the air hose to prevent danger if there is sudden jerking or catching.
 - On rooftops and other high locations, nail as you move forward. It is easy to lose your footing if you nail while inching backward. When nailing against perpendicular surface, nail from the top to the bottom. You can perform nailing operations with less fatigue by doing so.
 - A nail will be bent or the tool can become jammed if you mistakenly nail on top of another nail or strike a knot in the wood. The nail may be thrown and hit someone, or the tool itself can react dangerously. Place the nails with care.
 - Do not leave the loaded tool or the air compressor under pressure for a long time out in the sun. Be sure that dust, sand, chips and foreign matter will not enter the tool in the place where you leave it setting.
 - Do not point the ejection port at anyone in the vicinity. Keep hands and feet away from the ejection port area.
 - When the air hose is connected, do not carry the tool with your finger on the trigger or hand it to someone in this condition. Accidental firing can be extremely dangerous.
 - Handle the tool carefully, as there is high pressure inside the tool that can be dangerous if a crack is caused by rough handling (dropping or striking). Do not attempt to carve or engrave on the tool.
 - Stop nailing operations immediately if you notice something wrong or out of the ordinary with the tool.
 - Always disconnect the air hose and remove all of the nails:
 1. When unattended.
 2. Before performing any maintenance or repair.
 3. Before cleaning a jam.
 4. Before moving the tool to a new location.
 - Perform cleaning and maintenance right after finishing the job. Keep the tool in tip-top condition. Lubricate moving parts to prevent rusting and minimize friction-related wear. Wipe off all dust from the parts.
 - Do not modify tool without authorization from Makita.
 - Ask Makita's Authorized service centers for periodical inspection of the tool.
 - To maintain product SAFETY and RELIABILITY, maintenance and repairs should be performed by Makita Authorized Service Centers, always using Makita replacement parts.
 - Use only pneumatic tool oil specified in this manual.
 - Never connect tool to compressed air line where the maximum allowable pressure of tool cannot be exceeded by 10 %. Make sure that the pressure supplied by the compressed air system does not exceed the maximum allowable pressure of the fastener driving tool. Set the air pressure initially to the lower value of the recommended allowable pressure.

SAVE THESE INSTRUCTIONS

INSTALLATION

005366



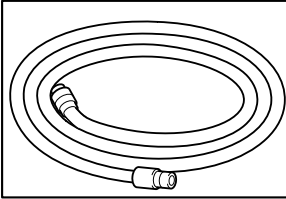
Selecting compressor

- The air compressor must comply with the requirements of EN60335-2-34. Select a compressor that has ample pressure and air output to assure cost-efficient operation. The graph shows the relation between nailing frequency and compressor air output at a compression of 0.83MPa (8.3bar). Thus, for example, when you drive about 10 nails 3.75 mm x 90 mm per minute, a compressor with an air output over 55l/minute is required. Pressure regulators must be used to limit air pressure to the rated pressure of the tool where air supply pressure exceeds the tool's rated pressure. Failure to do so may result in serious injury to tool operator or persons in the vicinity.

NOTE:

Nail size indicates diameter x length.

005367



Selecting air hose

- Use an air hose as large and as short as possible to assure continuous, efficient nailing operation. With an air pressure of 0.49 MPa (4.9 bar), an air hose with an internal diameter of over 8.5 mm (5/16") and a length of less than 20 m (6.6 ft.) is recommended when the interval between each nailing is 0.5 seconds.

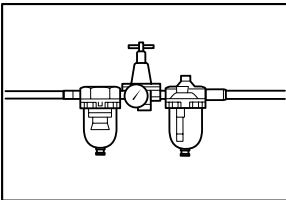


CAUTION:

- Low air output of the compressor, or a long or smaller diameter air hose in relation to the nailing frequency may cause a decrease in the driving capability of the tool.

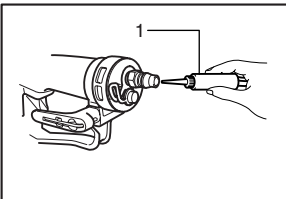
Lubrication

005368



- To insure maximum performance, install an air set (oiler, regulator, air filter) as close as possible to the tool. Adjust the oiler so that one drop of oil will be provided for every 20 nails.

005369



1. Pneumatic tool oil

- When an air set is not used, oil the tool with pneumatic tool oil by placing 2 (two) or 3 (three) drops into the air fitting. This should be done before and after use. For proper lubrication, the tool must be fired a couple of times after pneumatic tool oil is introduced.

FUNCTIONAL DESCRIPTION

⚠ CAUTION:

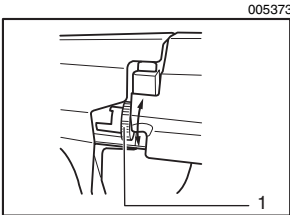
- Always disconnect the hose before adjusting or checking function on the tool.

Adjusting depth of nailing

⚠ CAUTION:

- Always disconnect the hose before adjusting the depth of nailing.

To adjust the depth of nailing, turn the adjuster so that the arrow above the adjuster will point to the number indicated on the adjuster. The depth of nailing is the deepest when the arrow points to the number 1. It will become shallower as the arrow points to higher number. The depth can be changed in approx. 1.5 mm increments per graduation. If nails cannot be driven deep enough even when the arrow points to the number 1, increase the air pressure.



1. Adjuster

ASSEMBLY

⚠ CAUTION:

- Always disconnect the hose before carrying out any work on the tool.

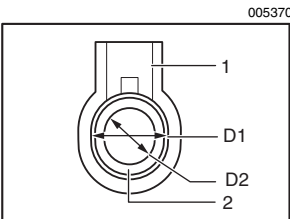
Selecting nails

⚠ CAUTION:

- Do not drive hardened steel nails or stainless steel nails into concrete or steel plate. If you do so, the nailer may be adversely affected.

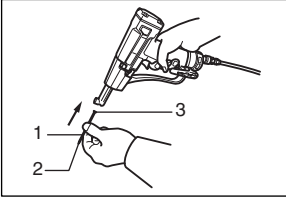
Always check the size of the nail head with the gauge on the nail guide before loading the nailer. Different size nails may be mixed up in the nails you purchase locally.

Do not use nails with a head size larger than D1 or smaller than D2. Nails with a head size larger than D1 cannot be inserted into the nail guide. Nails with a head size smaller than D2 may move into the contact arm and cannot be driven.



1. Nail guide
2. Gauge

005371



1. Nail shank
2. Nail tip
3. Nail head

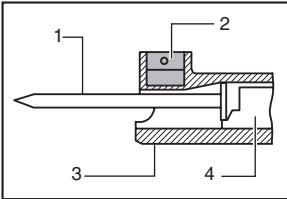
Loading nailer

⚠ CAUTION:

- Be careful not to touch the trigger when loading the nail.
- When loading nail into the nailer, grip the nail by the shank, not the tip.

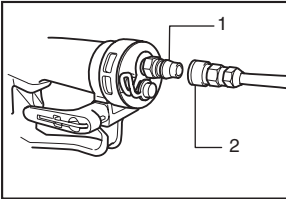
Hold the nail shank lightly and insert the nail head into the nail guide until the nail is held firmly by the magnet.

005372



1. Nail
2. Magnet
3. Nail guide
4. Contact arm

005374



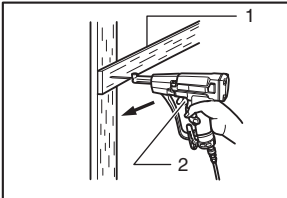
1. Air fitting
2. Air socket

Connecting air hose

Slip the air socket of the air hose onto the air fitting on the nailer. Be sure that the air socket locks firmly into position when installed onto the air fitting. A hose coupling must be installed on or near the tool in such a way that the pressure reservoir will discharge at the time the air supply coupling is disconnected.

OPERATION

005375



1. Driving surface
2. Trigger

⚠ CAUTION:

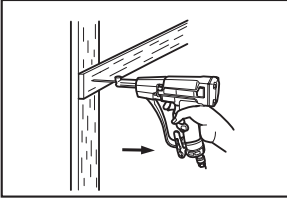
- Make sure the safety system is in working order before operation.

To start driving, place the tip of the nail against the driving surface and pull the trigger. At the start of driving, apply gentle downward pressure on the nailer in the arrow direction to hold the nail firmly. When the impact of the contact arm stops, the driving operation is over. If the nail is not driven deep enough, place the ejection port of the nailer over the nail head. Press the nailer against the driving surface firmly and pull the trigger to do additional driving of the nail.

NOTE:

- The nailer will not operate unless you apply sufficient pressure to the contact arm. If this occurs, apply forward pressure to the nailer again while pulling the trigger to start operation.

005376



Nailing with one or two impacts

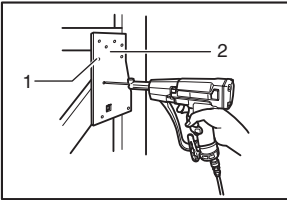
When you need to position a nail or drive a shallow nail

1. Set the tip of the nail firmly against the driving surface.
2. Pull the trigger.
3. Withdraw the nailer from the driving surface immediately after one or two impacts.

NOTE:

- The impacts will continue as long as you keep the nailer pressed up against the driving surface, even if you release the trigger.

005377



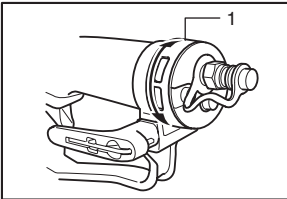
Nailing in metal plate holes

⚠ CAUTION:

- Always make sure that the tip of the nail is inserted in the hole in the metal plate before you start nailing.

1. Hole
2. Metal plate

005378

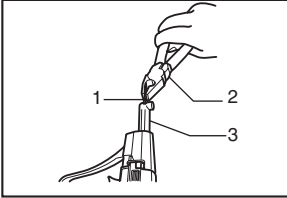


Air exhaust

Air exhaust direction can be changed easily by rotating the exhaust cover. Change it when necessary.

1. Exhaust cover

005379



1. Nail
2. Pliers
3. Nail guide

Jammed nailer

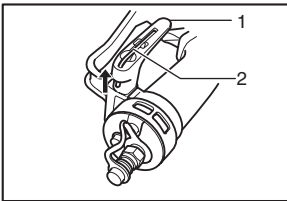
⚠ CAUTION:

- Always disconnect the hose before cleaning a jam.

When the nailer becomes jammed, do as follows:

Use pliers to bend the jammed nail so that the nail head comes out of the nail guide. Then remove the jammed nail. After removing the jammed nail, make sure that the nail guide and the contact arm move smoothly.

005380



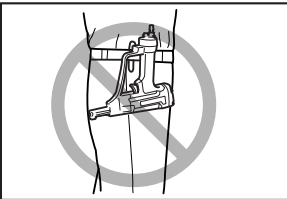
1. Hook
2. Hex wrench 3

Hook

The hook is convenient for hanging the tool temporarily. This hook can be installed on either side of the tool.

To remove the hex wrench 3 from the hook, press up on the end of the hex wrench as shown in the figure.

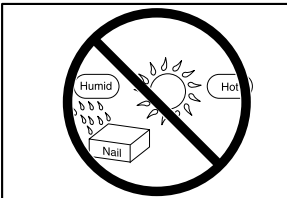
005381



⚠ CAUTION:

- Always disconnect the hose when hanging the tool using the hook.
- Always tighten the hook securing bolt firmly.
- Never hang the tool on a waist belt or the like. Dangerous accidental firing may result.

005382



Nails

Avoid storing nails in a very humid or hot place or place exposed to direct sunlight.

MAINTENANCE

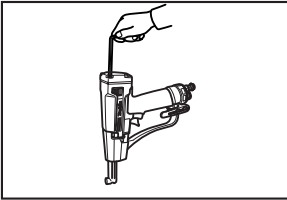
⚠ CAUTION:

- Always disconnect the hose before attempting to perform inspection or maintenance.

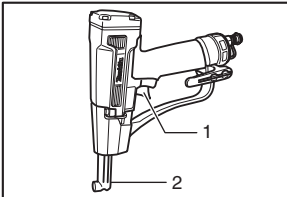
Maintenance of nailer

Always check the tool for its overall condition and loose screws before operation. Tighten as required.

005383



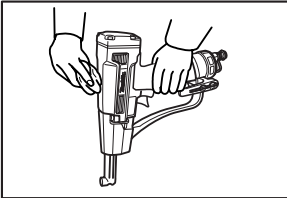
005384



1. Trigger
2. Nail guide

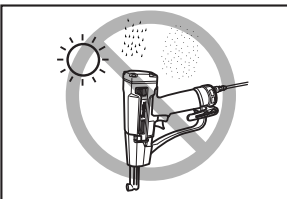
With tool disconnected, make daily inspection to assure free movement of the nail guide and trigger. Do not use tool if the nail guide or trigger sticks or binds.

005385

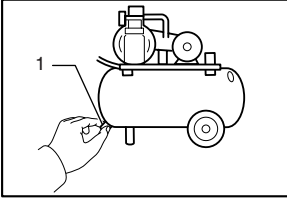


When the tool is not to be used for an extended period of time, lubricate the tool using pneumatic tool oil and store the tool in a safe place. Avoid exposure to direct sunlight and/or a humid or hot environment.

005386



005387

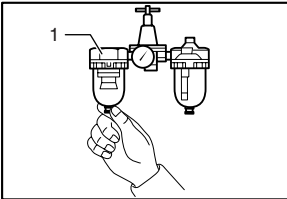


1. Drain cock

Maintenance of compressor, air set and air hose

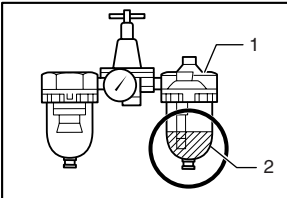
After operation, always drain the compressor tank and the air filter. If moisture is allowed to enter the tool, it may result in poor performance and possible tool failure.

005388



1. Air filter

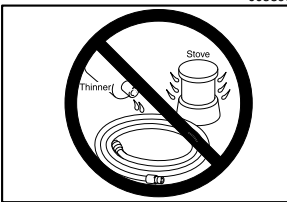
005389



1. Oiler
2. Pneumatic oil

Check regularly to see if there is sufficient pneumatic oil in the oiler of the air set. Failure to maintain sufficient lubrication will cause O-rings to wear quickly.

005390



Keep the air hose away from heat (over 60°C, over 140°F), away from chemicals (thinner, strong acids or alkalis). Also, route the hose away from obstacles which it may become dangerously caught on during operation. Hoses must also be directed away from sharp edges and areas which may lead to damage or abrasion to the hose.

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

Makita Corporation