

Air C.

# SHINANO INC.

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MODEL NO. SI-4120

SERIAL NO.

PRODUCT TYPE  
Air Hammer

R.P.M. 3,000 B.P.M

PRODUCT NET WEIGHT  
3.52 lbs 1.60 kgs.

PERSONAL SAFETY EQUIPMENT  
Use Safety Glasses Yes  
Use Safety Gloves Yes  
Use Safety Boots Yes  
Use Breathing Masks Yes  
Use Ear Protectors Yes

NOISE LEVEL  
Sound Pressure 105.0 dB(A)  
Sound Power 115.0 dB(A)  
Test Method  
Tested according to ISO-3744

VIBRATION LEVEL  
M/Sec.  
Test Method  
Tested according to ISO-8662/1 & /4

INSTRUCTION MANUAL  
Include - Work Station, Air Supply, Foreseen Use Of Tool  
Safety Rules, Operation, Assembly and Disassembly

IMPORTANT  
Read this instruction manual carefully before operating or repairing  
the tool and keep this manual in safe accessible place.

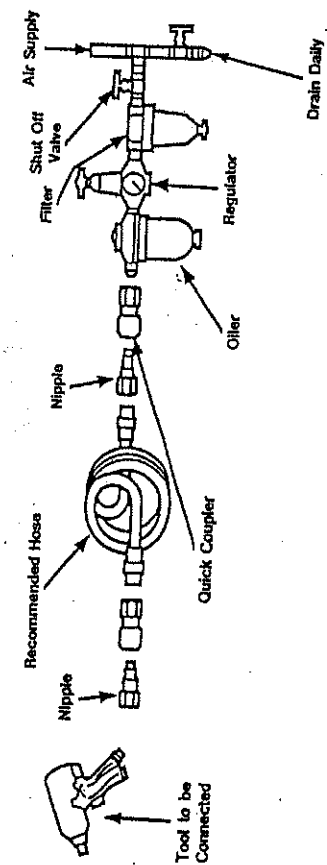
AIR PRESSURE  
Recommended Working 6.3 bar 90 PSI

RECOMMENDED HOSE BORE MINIMUM SIZE  
3/8" Ins 10 mm

RECOMMENDED MAXIMUM HOSE LENGTH  
30 Ft. 10 m

WORK STATION  
The tool should only be used as a handheld tool. It is always  
recommended that the tool is used when standing on a solid floor.  
It can be used in other positions but before any such use, the  
operator must be in a secure position having a firm grip and be  
aware of the extra safety precaution required when using this kind  
of tools.

AIR SUPPLY  
Use a clean lubricated air supply that will give a measured air  
pressure at the tools of 90 PSI/6.3 bar when the tool is running with  
the trigger depressed. Use recommended hose size and length. It is  
recommended that the tool is connected to the air supply as shown  
in the figure. Don't connect the tool to the air line system without  
incorporating an easy to reach and operate air shut off valve. The  
air supply should be lubricated. It is strongly recommended that air  
filter, regulator and lubricator are used as shown in the figure as  
this will supply clean, lubricated air at the correct pressure to the  
tool. Details of such equipment can be obtained from your supplier.  
If such equipment is not used then the tool should be lubricated by  
operator before/after using the tool. Disconnect the air line and  
pour into the inlet bushing 5ml of a suitable pneumatic oil  
preferably incorporating a rust inhibitor. Reconnect tool to air  
supply and run tool slowly for a few seconds to allow air to  
circulate the oil.



FORESEEN USE OF TOOLS  
The tools is designed to be used with 10.2mm shank chisels.  
Many type of chisels (for cutting, punching, hammering  
scraping etc.) can be supplied. Choose the chisel suit to  
the job. Do not use the tool for any other purpose than  
that specified without consulting the manufacturer's  
authorised supplier.

SAFETY RULES FOR A HAMMER

- 1) Read all the instructions before using the tool. All operators must be fully trained in its use and aware of these safety rules.
- 2) Do not exceed the recommended air pressure.
- 3) Use personal safety equipment.
- 4) Use clean compressed air at the recommended pressure.
- 5) If the tool appears to malfunction, stop operating immediately and arrange for service and repair.
- 6) If the tool is used with a balancer or other support device, ensure that it is fixed securely.
- 7) Always keep hands away from the working attachment fitted to the tool.
- 8) The tool is not electrically insulated. Never use the tool if there is any chance of it coming into contact with live electricity.
- 9) When using the tool adopt a firm footing and /or position and grip the tool firmly to be able to counteract any forces or reaction forces that may be generated whilst using the tool.

- 10) Use only Genuine Shinano spare parts. Do not improvise or make temporary repairs.
- 11) Do not lock, tape, wire etc. the on/off valve in the run position. The trigger/lever etc. must always be free to return to the off position when it is released.
- 12) Always shut off the air supply to the tool, and depress the trigger/lever etc. to exhaust air from the feed hose before fitting, adjusting or removing the working attachment.
- 13) Check hose and fitting regularly for wear. Replace if necessary. Do not carry the tool by its hose and ensure the hand is remote from the on/off control when carrying the tool with the air supply connected.
- 14) Take care against entanglement of moving parts of the tool with clothing, ties, hair, cleaning rags etc. This will cause the body to be drawn towards the tool and can be very dangerous.
- 15) It is expected that users will adopt safe working practices and observe all relevant legal requirement when installing, using or maintaining the tool.
- 16) Do not install the tool unless an easily accessible and easily operable on/off valve is incorporated in the air supply.
- 17) A chisel should only be fitted by a competent person trained to do so.
- 18) The tool must only be used with the chisel as set out in "FORESEEN USE OF THE TOOL". Never fit any other devices.
- 19) Use a barrier to prevent sparks causing a hazard to the operator or other person.
- 20) Change a retaining spring if it becomes damaged.
- 21) Always wear eye protection.
- 22) The noise from the tool or the process noise of the hammering operation may be such that hearing protection should be worn.
- 23) Wear a breathing mask to avoid inhaling dust from the hammering process.

- 24) Ensure that the workpiece is firmly supported so that can not move during the hammering process.
- OPERATION  
Check the shank size of the chisel before installing to the tool.  
Check that the retaining spring is screwed tightly to the cylinder.  
Check that the air pressure at inlet bushing does not exceed recommended air pressure.  
Ensure that the trigger is off position before connecting the tool to feed hose.  
When the starting the tool, the tool should not be near other person and be held in a protected area.  
Always use eye protection and wear protective gloves if there are sharp edges in working area. The tool and the hammering process can create a noise level such that the use of ear protectors is advised. If the hammering process create a dust then use a suitable breathing mask.  
Check that the material being worked will not cause harmful dust or fumes. If this is so then special breathing masks may be required.