STANLEY®

US F E

PROFESSIONAL GRADE

3/8" Drive

Ratchet WRENCH

97-005A

- Free Speed of 150 RPM
- 50 ft lbs of torque
- Heat treated ratchet head/industrial ball bearings for longer life
- Compact head design allows for flexibility in tight places
- Suggested applications: General Assembly, for use on nuts and bolts with low torque

⚠ WARNING

Read and Understand this Instruction Manual and Tool Labels Before Installing, Operating or Servicing this Tool. Keep these instructions in a safe accessible place.

Operators and Others in Work Area Must Wear Safety Glasses with Side Shields.

Operators and Others in Work Area Must Wear Ear Protection.

Disconnect when Oiling or Servicing the Tool, or when Changing Attachments.

Do Not Use Oxygen or Reactive Gases. Explosion may occur.

Do Not Exceed Air Pressure of 90 PSI

Oil daily for superior performance.

THE STANLEY WORKS: New Britain, CT 06053
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Proper Use Of The Tool

The tool is designed to be used only for the purpose of driving, tightening and loosening of threaded fasteners, usually nuts and bolts, when fitted with a suitable drive socket.

It is allowed to use suitable extension bars, universal joints and socket adapters between the square output drive of the ratchet wrench and the female square drive of the socket.

Do not use the tool for any other purpose than that specified without consulting the manufacturer or the manufacturer's authorized supplier. To do so may be dangerous.

Never use the ratchet wrench as a hammer to dislodge or straighten cross threaded fasteners. Never attempt to modify the tool for other uses and never modify the tool even to be used as a ratchet wrench.

Work Stations

The tool should only be used as a handheld hand operated tool. It is always recommended that the tool is used when standing on the 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 footing and be aware that when loosening fasteners the tool can move quite quickly away from the fastener being undone. An allowance must always be made for this rearward movement so as to avoid the possibility of hand/ arm/body entrapment.

Putting Into Service

Air Supply

Use a clean lubricated air supply that will give a measured air pressure at the tool of 90 p.s.i./6.2 bar when the tool is running with the trigger fully depressed. Use recommended hose size and length. It is recommended that the tool is connected to the air supply as shown in figure A. Do not 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 an air filter, regulator, lubricator (FRL) is used as shown in figure A 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 can be obtained from your supplier. If such equipment is not used then the tool should be lubricated by shutting off the air supply to the tool, depressurising the line by pressing the trigger on the tool. Disconnect the air line and pour into the intake bushing a teaspoon (5 ml) of a suitable pneumatic motor lubricating 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.

If tool is used frequently lubricate on daily basis and if tool starts to slow or lose power. It is recommended that the air pressure at the tool whilst the tools is running is 90 p.s.i./6.2 bar.

Operating Instructions

Fit securely to the tool the socket or attachment required to perform the operation. Ensure that the reverse button situated on the opposite side to the square drive output shaft is in the correct position for tightening or loosening the fastener.

The nut/ bolt can then run down the thread using the power drive of the tool. When the tool stops the handle of the tool can be used as a ratchet lever and operated to give the re required tightness of the joint

For loosening a joint the tool can be used in the reverse sequence.

Using A Ratchet Wrench

1) Read all the instructions before using this tool. All operators must be fully trained in its use and aware of these safety rules.
2) Do not exceed the maximum working air pressure of 90 p.s.i./6.2 bar .
3) Use personal safety equipment.
4) Use only compressed air at the recommended conditions.
5) If the tool appears to malfunction remove from use 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) Always 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 correct 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 fittings 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 requirements 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) Take care that the tool exhaust air does not cause a problem or blows on another person.
18) Never lay a tool down unless the working attachment has stopped moving.
19) Always ensure that the reverse button is in the selected position before starting the tool.
20) Do not use sockets with excessive wear to the input and output drives. Periodically check the square drive on the ratchet wrench. Make sure the socket, extension is firmly fixed to the tool.
21) When loosening fasteners first ensure that there is sufficient clearance behind the tool to avoid hand entrapment. The tool will move away from the threaded joint as the nut/ bolt is loosened and rides up in the thread moving the tool with it.

Safety Rules for Pneumatic Tools

1) Inspect the air hose for cracks or other problems. Replace the hose if worn.
2) Never point an air hose at another person.
3) Disconnect the tool when not in use, or before performing service or changing accessories.
4) Use proper hoses and fittings. Never use quick-change couplings attached at the tool. Instead, add a hose and coupling between the tool and the air supply.

The recommended hook-up is shown in figure A. Pneumatic tools operate on a wide range of air pressures. For maximum efficiency and longer tool life, the pressure of the air supplied to these tools should not exceed the rated PSIG at the tool when the tool is running. Using a higher than rated pressure will cause faster wear and drastically shorten the tool's life. A higher air pressure can also cause an unsafe condition.

The inside diameter of the hose should be increased to compensate for unusually long air hoses (over 25 feet). Minimum hose diameter should be 1/4" I.D. and fittings should have the same inside dimensions.

The use of air line lubricators and air line filters is recommended to prevent water in the line that can damage the tool. Drain the air tank daily. Clean the air inlet filter screen on at least a weekly schedule to remove accumulated dirt or other matter that can restrict air flow.

The tool's air inlet used for connecting an air supply has standard 1/4" NPT American thread.

Figure A