



SUPER STUBBY AIR RATCHET WRENCHES

MODEL No: **SA230 & SA231**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to instruction manual



Wear eye protection



Wear protective gloves



Wear ear protection

1. SAFETY

- ✓ Follow all workshop safety rules, regulations, and conditions when using wrench.
- ☐ **WARNING!** Disconnect from air supply before changing accessories or servicing.
- ✓ Maintain the wrench in good condition and replace any damaged or worn parts. *Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.*
- ☐ **WARNING!** Check correct air pressure is maintained and not exceeded. We recommend 90psi.
- ✓ Keep air hose away from heat, oil and sharp edges. Check air hose for wear before each use and ensure that all connections are secure.
- ✓ Wear approved safety eye/face shield, ear defenders and hand protection.
- ✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- ✓ Keep children and non essential persons away from the working area.
- ☐ **WARNING!** Due to the possible presence of asbestos dust from brake linings, when working around vehicle brake systems we recommend you wear suitable respiratory protection.
- ✗ **DO NOT** use the wrench for a task it is not designed to perform.
- ☐ **WARNING! DO NOT** use wrench if damaged or thought to be faulty. Contact Service Agent.
- ✗ **DO NOT** use wrench unless you have been instructed in its use by a qualified person.
- ✗ **DO NOT** carry the wrench by the air hose, or pull the hose from the air supply.
- ✗ **DO NOT** operate wrench if you are tired or under the influence of alcohol, drugs or intoxicating medication.
- ✗ **DO NOT** carry wrench with your hand on power trigger, in order to avoid unintentional starting.
- ✗ **DO NOT** direct air from the air hose at yourself or others.
- ✓ When not in use, disconnect from air supply and store in a safe, dry, childproof location.

2. INTRODUCTION

Ultra-compact air ratchet wrenches fit in the palm of the hand. Perfect for working around tightly packed engine compartments. Hardened steel anvil and twist reverse mechanism. Rear exhaust with baffle reduces noise.

IMPORTANT WARRANTY INFORMATION

Because it is possible to break the head by dropping and also by excessive hand force, we do not provide warranty for ratchet heads. The rest of the product is covered by a 1 year parts and labour warranty. This does not affect your statutory rights.

3. SPECIFICATION

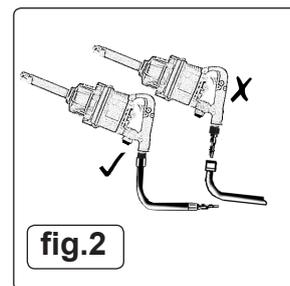
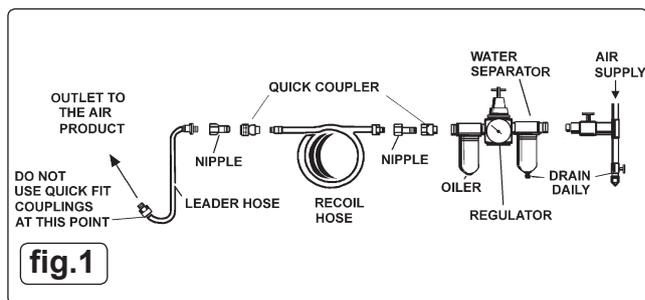
MODEL No:	SA230	SA231
Drive size:	1/4" Sq.	3/8" Sq
Max torque:	20lb.ft/27Nm	20lb.ft/27Nm
Air consumption:	3.0cfm	3.0cfm
Operating pressure:	90psi	90psi
Air inlet size:	1/4" BSP.	1/4" BSP
Noise pressure:	91dBA	91dBA
Noise power:	102dBA	102dBA
Vibration:	2.5m/s ²	2.5m/s ²
Length:	127mm	127mm
Weight:	0.36kg	0.36kg

4. PREPARATION

- 4.1. Air Supply. (Recommended hook-up procedure is shown in fig.1).
 - 4.1.1. Ensure wrench air valve (or trigger) is in the "off" position before connecting to the air supply.
 - 4.1.2. An air pressure of 90psi is required and an air flow according to specification.
 - ☐ **WARNING!** Ensure the air supply is clean and does not exceed 90 psi while operating the wrench. Too high an air pressure and/or unclean air will shorten the product life due to excessive wear, and may be dangerous causing damage and/or personal injury.
 - 4.1.3. Drain the compressor air tank daily. Water in the air line will damage the wrench.
 - 4.1.4. Clean compressor air inlet filter weekly.
 - 4.1.5. Line pressure should be increased to compensate for unusually long air hoses (over 8 metres). The minimum hose diameter should be 1/4" I.D. and fittings must have the same inside dimensions.
 - 4.1.6. Keep hose away from heat, oil and sharp edges. Check hose for wear, and make certain that all connections are secure.

4.2. Couplings.

Vibration may cause failure if a quick change coupling is connected directly to the wrench. To overcome this, connect a leader hose to the wrench. A quick change coupling may then be used to connect the leader hose to the air line recoil hose. See fig 1 & 2.



5. OPERATION

- **WARNING!** Ensure you read, understand and apply safety instructions before use.
- 5.1. Fit the required socket to the wrench.
- 5.2. Connect the wrench to the air hose as indicated in section 4.
- 5.3. Select wrench direction by rotating the switch on the head of the wrench (fig.3).
- 5.4. Place the socket over the subject nut or bolt and depress the trigger to operate the wrench.
- 5.5. To change wrench direction, release trigger and rotate the switch on the head of the wrench (fig.3).
- × **DO NOT** use any additional force upon the wrench in order to remove a nut or bolt, it is possible to break the head by using excessive force. Use penetrating oil and a spanner to crack the fixing.
- × **DO NOT** allow the wrench to free run for an extended period of time, as this will reduce bearing life.



6. MAINTENANCE

- **WARNING!** Disconnect wrench from air supply before changing accessories, servicing or performing maintenance. Replace or repair damaged parts.
Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.
- 6.1. If the air system does not have an oiler, lubricate the air wrench daily with a few drops of Sealey air tool oil dripped into the air inlet to prolong its life.
- 6.2. Clean the wrench after use. **DO NOT** use worn or damaged sockets.
- 6.3. Loss of power or erratic action may be due to the following:
 - a) Excessive drain on the air line. Moisture or restriction in the air pipe. Incorrect size or type of hose connectors. To remedy, check the air supply and follow instructions in section 4.
 - b) Grit or gum deposits in the wrench may also reduce performance. If your model has an air strainer (located in the area of the air inlet), remove the strainer and clean it. Flush the wrench out with gum solvent oil or an equal mixture of SAE No.10 oil and paraffin. Allow to dry before use.
- 6.4. For a full service contact your local Sealey service agent.
- 6.5. When not in use, disconnect from air supply, clean wrench and store in a safe, dry, childproof location.

ENVIRONMENT PROTECTION



Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.

Note: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

Important: No Liability is accepted for incorrect use of this product.

Warranty: Guarantee is 12 months from purchase date, proof of which is required for any claim.

Sealey Group, Kempson Way, Suffolk Business Park, Bury St Edmunds, Suffolk. IP32 7AR



01284 757500



01284 703534



sales@sealey.co.uk



www.sealey.co.uk

WARNING! – Risk of Hand Arm Vibration Injury.

This tool may cause Hand Arm Vibration Syndrome if its use is not managed adequately.

This tool is subject to the vibration testing section of the Machinery Directive 2006/42/EC.

This tool is to be operated in accordance with these instructions.

Measured vibration emission value (a): 2.5m/s²

Uncertainty value (k): 0.8 m/s²

Please note that the application of the tool to a sole specialist task may produce a different average vibration emission. We recommend that a specific evaluation of the vibration emission is conducted prior to commencing with a specialist task.

A health and safety assessment by the user (or employer) will need to be carried out to determine the suitable duration of use for each tool.

NB: Stated Vibration Emission values are type-test values and are intended to be typical.

Whilst in use, the actual value will vary considerably from and depend on many factors.

Such factors include; the operator, the task and the inserted tool or consumable.

NB: ensure that the length of leader hoses is sufficient to allow unrestricted use, as this also helps to reduce vibration.

The state of maintenance of the tool itself is also an important factor, a poorly maintained tool will also increase the risk of Hand Arm Vibration Syndrome.

Health surveillance.

We recommend a programme of health surveillance to detect early symptoms of vibration injury so that management procedures can be modified accordingly.

Personal protective equipment.

We are not aware of any personal protective equipment (PPE) that provides protection against vibration injury that may result from the uncontrolled use of this tool. We recommend a sufficient supply of clothing (including gloves) to enable the operator to remain warm and dry and maintain good blood circulation in fingers etc. Please note that the most effective protection is prevention, please refer to the Correct Use and Maintenance section in these instructions. Guidance relating to the management of hand arm vibration can be found on the HSE website www.hse.gov.uk - Hand-Arm Vibration at Work.