

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 AND CAUTIONS. USE THIS 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. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.**

## 1. SAFETY INSTRUCTIONS

- ✓ 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 yank 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 & SPECIFICATIONS

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-to-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 warranty ratchet heads. The rest of the product is covered by a 1 year parts and labour warranty. This does not affect your statutory rights.*

<b>MODEL No:</b> .....	<b>SA230</b> .....	<b>SA231</b>
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 <sup>2</sup> .....	2.5m/s <sup>2</sup>
Length: .....	127mm. ....	127mm
Weight: .....	0.36kg. ....	0.36kg

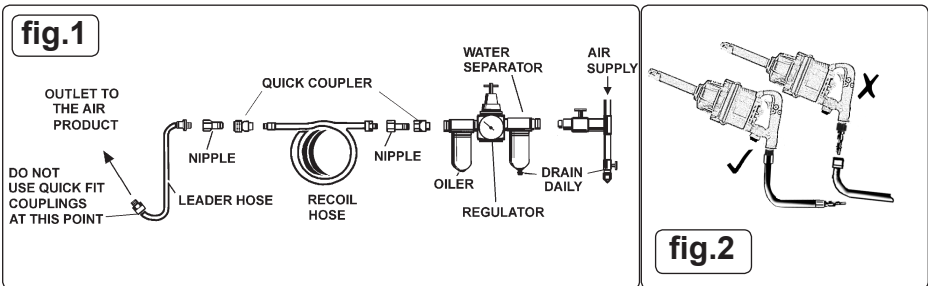
### 3. PREPARATION

**3.1. Air Supply.** (Recommended hook-up procedure is shown in fig.1).

- 3.1.1. Ensure wrench's air valve (or trigger) is in the "off" position before connecting to the air supply.
- 3.1.2. An air pressure of 90psi is required and an air flow according to specification.
- 3.1.3.  **WARNING!** Ensure the air supply is clean and does not exceed 90psi 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.
- 3.1.4. Drain the compressor air tank daily. Water in the air line will damage the wrench.
- 3.1.5. Clean compressor air inlet filter weekly.
- 3.1.6. 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.
- 3.1.7. Keep hose away from heat, oil and sharp edges. Check hose for wear, and make certain that all connections are secure.

**3.2. 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.



### 4. OPERATING INSTRUCTIONS

**WARNING! Ensure you read, understand and apply safety instructions before use.**

- 4.1. Fit the required socket to the wrench.
- 4.2. Connect the wrench to the air hose as indicated in section 3.
- 4.3. Select wrench direction by rotating the switch on the head of the wrench (fig.3).
- 4.4. Place the socket over the subject nut or bolt and depress the trigger to operate the wrench.
- 4.5. 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.

Turn to change direction



## 5. 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.*
- 5.1. 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.
- 5.2. Clean the wrench after use. **DO NOT** use worn or damaged sockets.
- 5.3. 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 3.
  - 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.
- 5.4. For a full service contact your local Sealey service agent.
- 5.5. When not in use, disconnect from air supply, clean wrench and store in a safe, dry, childproof location.

### Risk of Hand Arm Vibration Injury.

The SA230 & SA231 Air Ratchet Wrenches, when operated in accordance with these instructions and tested in accordance with EN28662-2:1994 and BS EN ISO 28927-2:2009 result in the following vibration emissions declared in accordance with BS EN12096:1996.

Measured vibration emission value: ... (SA230) 2.5m/s<sup>2</sup> ..... (SA231) 2.5m/s<sup>2</sup>

Uncertainty: ..... (SA230) 1.0m/s<sup>2</sup> ..... (SA231) 1.0m/s<sup>2</sup>

**These values are suitable for comparison with emission levels of other tools that have been subject to the same test.**

**These tools may cause hand-arm vibration syndrome if their use is inadequately managed.**

**Recommended Measures to reduce risk of hand-arm vibration syndrome:** These items represent a low Hand Arm Vibration risk to users. The calculated minimum usage period exceeds 8 hours. We recommend appropriate safety equipment is utilised and regular breaks for the operator are employed to reduce any residual risk of fatigue or repetitive strain injury.

**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 will be required for any claim.

**INFORMATION:** For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.



**Power  
TOOLS**

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