



INSTRUCTIONS FOR

AIR ANGLE GRINDER Ø180mm HEAVY-DUTY

MODEL NO: **SA154**

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 instructions



Wear eye protection



Wear protective gloves



Wear safety footwear



Wear protective clothing



Wear ear protection



Wear a mask

1. SAFETY

- ✓ Follow all workshop Health & Safety rules, regulations, and conditions when using tool.
- ❑ **WARNING!** Disconnect from air supply before changing grinding disc or servicing.
- ✓ Maintain grinder 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.
- ❑ **WARNING!** Before each use check grinding disc is secure, and the disc is not worn or damaged. If damaged, replace immediately.
- ✓ Ensure replacement grinding disc are not damaged (cracks, deformations or splinters etc).
- ✓ Always use the correct grinding disc is suitable for the material being ground. Ensure the maximum speed specification of the wheel is higher than that indicated on the machine data plate.
- ❑ **WARNING!** Always wear approved eye or face protection when operating the grinder.
- ✓ Use breathing protection in accordance with COSHH regulations if fumes or dust pose a hazard.
- ✓ Wear ear defenders and safety gloves.
- ✓ Keep hands and body clear of the work piece when operating the grinder.
- ✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- ✓ Secure unstable work piece with a clamp, vice or other adequate holding device.
- ✓ Keep children and non essential persons away from the working area.
- ✓ Avoid subjecting grinding disc to excessive strain, always ease grinding disc against work piece (a harsh impact may break the disc). Maintain a controlled adequate progression.
- * **DO NOT** get the grinder wet or use in damp or wet locations.
- * **DO NOT** hold the workpiece by hand. Use clamps or a vice to secure the work piece.
- * **DO NOT** use the grinder for a task it is not designed to perform.
- * **DO NOT** use grinder if damaged or faulty. Contact your local service agent.
- * **DO NOT** use grinder unless you have been instructed in its use by a qualified person.
- * **DO NOT** carry the grinder by the air hose, or pull the hose from the air supply.
- * **DO NOT** direct air from the air hose at yourself or others.
- * **DO NOT** grind any materials containing asbestos.
- * **DO NOT** grind any materials painted with lead based paint.
- * **DO NOT** turn the grinder on whilst the grinding bit is in contact with the work piece.
- * **DO NOT** use grinder where there are flammable liquids, solids or gases such as paint solvents, including waste wiping or cleaning rags etc as generated sparks may be dangerous.
- * **DO NOT** touch the work piece close to the ground surface as it will be very hot. Allow to cool. The work piece may also be very sharp.
- * **DO NOT** operate grinder if you are tired or under the influence of alcohol, drugs or intoxicating medication.
- * When not in use disconnect from air supply and store in a safe, dry, childproof location.
- ❑ **WARNING!** Danger of fire/explosion hazard
- ❑ **WARNING!** The grinding process can produce streams of sparks which are a potential source of ignition especially when grinding metal.
- * **DO NOT** use the grinder where there are flammable liquids, solids or gases.
- * **DO NOT** allow grinder sparks to make contact with clothing or other fabric such as cleaning rags. Fabrics contaminated with flammable materials such as petrol, oil, paint and solvents are a particular fire hazard.
- ✓ To reduce the risk of clothing catching fire the operator should wear clothing treated with a fire retardant.
- ❑ **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): 6.16 m/s²

Uncertainty value (k): 1.11 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 HSC website www.hse.gov.uk - Hand-Arm Vibration at Work.

2. INTRODUCTION

Professional tool with foam side grip making it easier to handle and helps to reduce vibration. Fitted with throttle safety device to prevent accidental operation and steel disc guard for added safety. Supplied with spanners, wrench and hex keys. Suitable for heavy-duty workshop use. Not suitable for use with cutting discs.

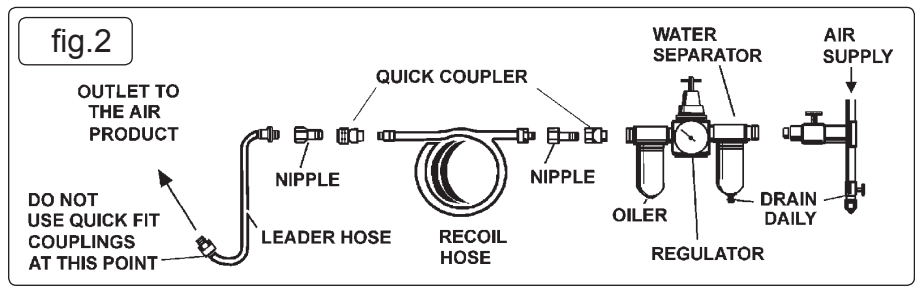
3. SPECIFICATION

Model No.....	SA154
Disc Size.....	Ø180mm
Spindle size.....	M16 x 2mm (female)
Free Speed.....	6500rpm
Air Consumption.....	2.4cfm
Operating Pressure.....	90psi
Inlet Size.....	1/2" BSP
Weight.....	4.13kg
Noise Power/Pressure.....	107.4/96.4dB(A)
Vibration/Uncertainty.....	6.16/1.11m/s ²
Disc Type (not included).....	27 or 28



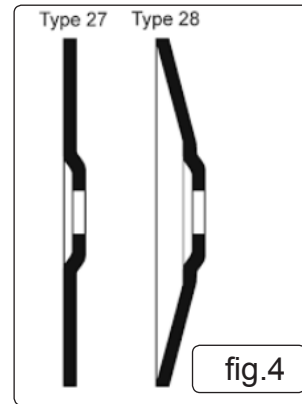
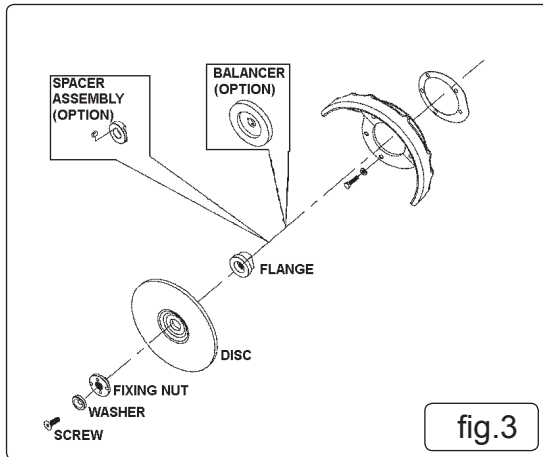
4. OPERATION

- 4.1. **Air Supply**
 - ❑ **WARNING!** Ensure the air supply is clean and does not exceed 90 psi while operating the grinder. Too high an air pressure and unclean air will shorten the product life due to excessive wear, and may be dangerous causing damage and/or personal injury.
 - 4.1.1. Recommended hook-up procedure is shown in fig.2.
 Ensure grinder air valve (or trigger) is in "off" position before connecting to the air supply.
 - 4.1.2. You will require an air pressure of 90psi, and an air flow according to specification.
 - 4.1.3. Drain the air tank daily. Water in the air line will damage the grinder.
 - 4.1.4. Clean air inlet filter weekly.
 - 4.1.5. Line pressure should be increased to compensate for unusually long air hoses (over 8 metres).
 - 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 grinder. To overcome this, connect a leader hose to the grinder. A quick change coupling may then be used to connect the leader hose to the air line recoil hose.



- 4.3. **Operating**
 - ❑ **WARNING!** Ensure you read, understand and apply safety instructions.
- 4.3.1. Using the tools provided fit the grinding disc as shown in fig.3. **DO NOT** have air supply connected.
 Ensure that only type 27 or type 28 grinding discs are used fig.4.
 Ensure disc size, operating speed, and type are suitable for use with grinder and material to be ground.
- 4.3.2. To start, hold firmly and push the trigger locking lever forward whilst depressing trigger.

- 4.3.3. The disc must be running at its maximum speed before attempting to grind the work piece.
- 4.3.4. Slowly and smoothly bring the grinding disc towards the work piece (avoid jerky movements).
Avoid subjecting disc to excessive strain or harsh impacts.
Always hold grinder firmly and ease grinding disc against work piece. Maintain a controlled progression.
- 4.4. **Changing Grinding Disc**
 - **WARNING!** Disconnect from the air supply before changing grinding wheel.
 - 4.4.1. Check that the grinding disc is not damaged in any way such as cracks, deformations or splinters etc. Damaged wheel must not be used.
 - 4.4.2. Use tools provided to loosen locking screw remove washer and unscrew fixing nut. Position disc as fig.3 and reassemble.
 - * **DO NOT** allow grinder to free run for an extended period of time as this will shorten bearing life.



Disc Type
Use Only Type 27 or 28

5. MAINTENANCE

- **WARNING!** Disconnect grinder 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 air supply does not have an oiler, lubricate the air tool daily with a few drops of Sealey air tool oil dripped into the air inlet to prolong its life.
- 5.2. Clean the grinder after use.
- 5.3. Ensure exhaust outlet is kept clean.
- 5.4. 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 grinder 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 grinder out with gum solvent oil or an equal mixture of SAE No 10 oil and paraffin. Allow to dry before use.
- 5.5. For a full service contact your local Sealey service agent.
- 5.6. When not in use, disconnect from air supply, clean grinder and store in a safe, dry, childproof location.

Parts support is available for this product. To obtain a parts listing and/or diagram, please log on to www.sealey.co.uk, email sales@sealey.co.uk or telephone 01284 757500

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.



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.

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