

SEALEY

Power TOOLS

INSTRUCTIONS FOR:
AIR DIE GRINDER MAXI SIZE
90° PREMIER
MODEL No: **SA655**

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 Health & Safety rules, regulations and conditions when using tool.
- **WARNING!** Disconnect from air supply before changing grinding bit or servicing.
- ✓ Maintain die 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 recommended 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 bit is secure, and the bit is not worn or damaged. If damaged, replace immediately.
- ✓ Ensure replacement grinding bits are not damaged (cracks, deformations or splinters etc).
- ✓ Always use the correct grinding bit suitable for the material being ground. Ensure the maximum speed specification of the bit is higher than that indicated on the machine data plate.
- **WARNING!** Always wear approved eye or face protection when operating the die grinder.
- ✓ Use breathing protection in accordance with COSHH regulations if fumes or dust pose a hazard.
- ✓ Wear ear defenders and gloves if necessary.
- ✓ Keep hands and body clear of the workpiece when operating the die grinder.
- ✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- ✓ Secure unstable workpiece with a clamp, vice or other adequate holding device.
- ✓ Keep children and non-essential persons away from the working area.
- ✓ Avoid subjecting grinding bit to excessive strain, always ease grinding bit against workpiece (a harsh impact may break the bit). Maintain a controlled progression.
- ✓ Wear suitable clothing to avoid snagging. **DO NOT** wear loose jewellery and tie back long hair.
- x **DO NOT** get the die grinder wet or use in damp or wet locations.
- x **DO NOT** hold the workpiece by hand. Use clamps or a vice to secure the workpiece.
- x **DO NOT** use the die grinder for a task it is not designed to perform.
- x **DO NOT** use cutting off wheels or router cutting wheels in the die grinder.
- **WARNING! DO NOT** use die grinder if damaged or faulty. Contact your local service agent.
- x **DO NOT** use die grinder unless you have been instructed in its use by a qualified person.
- x **DO NOT** carry the die grinder by the air hose, or yank the hose from the air supply.
- x **DO NOT** direct air from the air hose at yourself or others.
- **WARNING! DO NOT** grind any materials containing asbestos.
- **WARNING!** The die grinder will continue to run for a short period after the trigger is released.
- x **DO NOT** turn the die grinder on whilst the grinding bit is in contact with the workpiece.
- x **DO NOT** use die 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.
- x **DO NOT** touch the workpiece close to the ground surface as it will be very hot. Allow to cool. The workpiece may also be very sharp.
- x **DO NOT** operate die 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.

DANGER OF FIRE/EXPLOSION HAZARD

- **WARNING!** The grinding process can produce streams of sparks (especially when grinding ferrous metals) which are a potential source of ignition.
- x **DO NOT** use the grinder where there are flammable liquids, solids or gases.
- x **DO NOT** allow grinder sparks to make contact with the operator's clothing or any other fabric such as cleaning rags. Fabrics contaminated with inflammable materials such as petrol, oil, grease, paint and solvents are a particular fire hazard.
- ✓ To reduce the risk of clothing catching fire the operator should wear wool or cotton outer garments treated with a fire retardant in preference to man-made fibres.

2. INTRODUCTION & SPECIFICATION

Composite cover moulded around lightweight aluminium alloy housing reduces effects of chill on operator's hands and provides added control. Air motor with quality bearings for smooth powerful operation. Exhaust outlet adjusts 360° keeping air flow away from operator. Safety trigger prevents inadvertent operation. Ideal for re-shaping, deburring and smoothing off rough edges on castings. Suitable for the professional workshop.

Collet size	6mm
Free speed	18000rpm
Air consumption	4cfm
Operating pressure.	90psi
Air inlet size	1/4" BSP
Sound power87dB.A
Weight	0.8kg



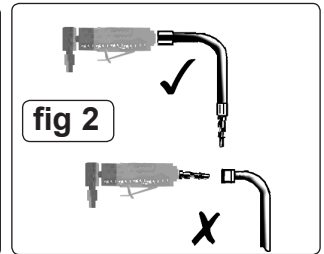
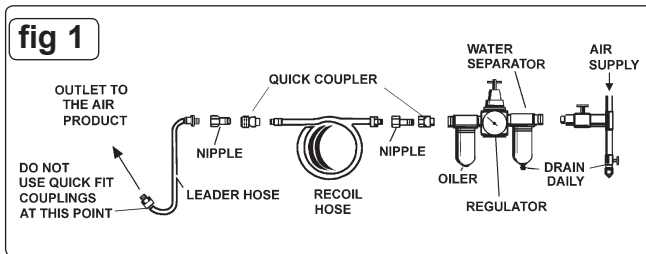
3. PREPARING TOOL FOR USE

3.1. Air Supply

- ❑ **WARNING!** Ensure the air supply is clean and does not exceed 90psi while operating the die 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.
- 3.1.1. Ensure die grinder air valve (or trigger) is in "Off" before connecting to the air supply.
- 3.1.2. You will require an air pressure of 90psi, and an air flow according to specification.
- 3.1.3. Drain the air tank daily. Water in the air line will damage the die grinder.
- 3.1.4. Clean air inlet filter weekly.
- 3.1.5. Line pressure should be increased to compensate for unusually long air hoses (over 8metres). The minimum hose diameter should be 1/4" internal diameter and fittings must have compatible dimensions.
- 3.1.6. 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 die grinder. To overcome this, connect a leader hose to the grinder (Sealey ref: AH2R or AH2R/38). A quick change coupling may then be used to connect the leader hose to the air line recoil hose. See fig 1 & fig 2.



4. OPERATING INSTRUCTIONS

4.1. Fitting Grinding Bit

- ❑ **WARNING!** Disconnect from the air supply before changing grinding stonw.
- 4.1.1. Check that grinding stones are not damaged in any way such as cracks, deformations or splinters etc. Damaged stones must not be used.
- 4.1.2. Use the spanners supplied to loosen collet locking collar. Insert grinding stone ensuring that a minimum of 10mm gripping length is observed and re-lock collar.

