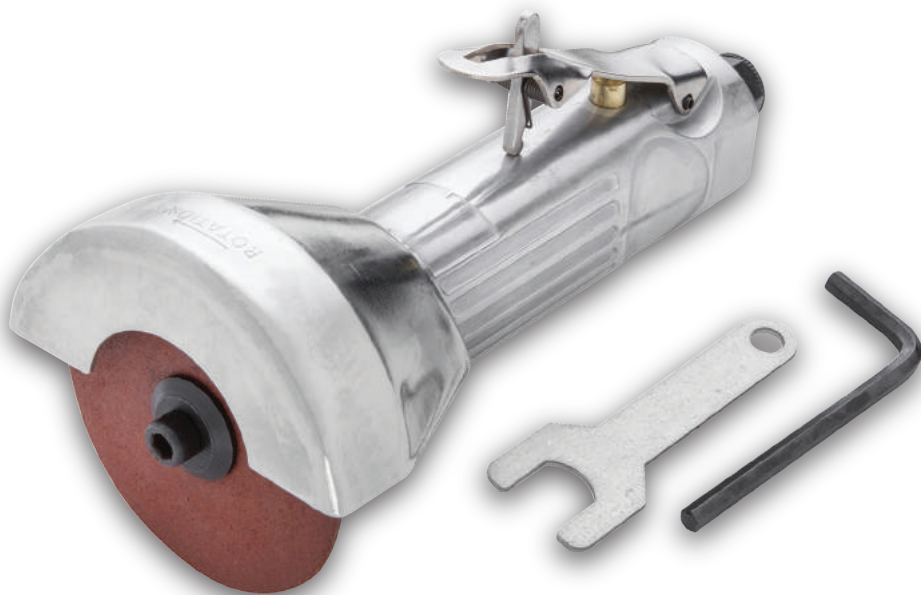


## AIR CUT OFF TOOL

### User Manual



**07911**

## General Information

**Thank you** for purchasing a BlueSpot product, you can find further information on our range at **[www.BlueSpot.uk.com](http://www.BlueSpot.uk.com)**. Please ensure that you are using the product correctly and that all guidance and cautions are followed in accordance with the instructions. Please retain these instructions for future reference.

## Safe use

Please make sure that you read these instructions carefully in order to avoid injury when using the air cut off tool. Follow all health and safety rules and regulations. If in doubt and available please contact a more knowledgeable source.

### **DO NOT use if damaged.**

- **ALWAYS** ensure you have read through all of the instructions and fully understand how to operate the tool before beginning.
- **ALWAYS** ensure the air cut off tool and cutting wheels have been checked for any damage before use. Any damage found needs to be repaired or replaced before use to prevent damage to property or personal injury.
- **ALWAYS** ensure the air hose has been checked for any damage before use. Any damage found needs to be repaired or replaced before use to prevent damage to property or personal injury.
- **ALWAYS** ensure the air hose is kept away from heat and any sharp edges.
- **DO NOT** carry the tool by the air hose.
- **ALWAYS** ensure the air hose does not cause a trip hazard when in use.
- **ALWAYS** ensure the correct and approved eye and face protection is used when operating the tool.
- If noise levels exceed safe levels wear approved ear protectors.
- **ALWAYS** ensure gloves and protective clothing are worn. Gloves should be tight fitting with no hanging threads. Do not wear loose clothing.
- Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- Ensure any long hair is tied back and jewellery is removed before operating the tool.
- **ALWAYS** ensure your hands and body are kept away from the working area of the tool.
- Maintain tool in good and clean condition for best and safest performance. For safest performance ensure the tool is kept clean and is lubricated.
- Only use the recommended accessories for the air cut off tool.

## Safe use (continued)

- Keep the work area clean, uncluttered and ensure there is adequate lighting.
- Keep children and unauthorised persons away from the work area.
- Before connecting the air cut off tool to the air supply make sure the tool is switched off and your finger is not on the trigger.
- Only use air tool oil to lubricate the tool.
- **BE AWARE** that constant vibration can be harmful to hands and arms. Take frequent breaks.
- **ALWAYS** ensure the parts on the air cut off tool including the wheel are secure before operation.
- **ALWAYS** ensure the workpiece you will be working on is secure so you don't have to hold the workpiece while operating the tool.
- **ALWAYS** ensure your hands are kept away from the wheel and guard during operation.
- **ALWAYS** be careful when working with compressed air as it can be dangerous.
- **DO NOT** operate the air tool continually at full throttle without a work load on the tool.
- **ALWAYS** ensure the air tool is lubricated correctly before operation.
- **DO NOT** operate the air tool without the guards in place.
- **DO NOT** modify the tool.
- **DO NOT** operate the air tool whilst tired or under the influence of drugs, alcohol or any medication.
- **BE AWARE** excessive air pressure may decrease the life of the tool and cause a hazardous situation.
- **NEVER** use the air tool near flammable objects or in explosive environments.
- **DO NOT** use the air tool near live electrical wires.
- **DO NOT** use the air cut off tool in damp or wet conditions.
- **NEVER** leave the air cut off tool unattended. When the tool is not in use it should be disconnected from the air source and stored correctly out of the reach of children.
- **ALWAYS** ensure air supply has been shut off and any pressure from the tool has been discharged before removing the hose or storing the tool.
- **DO NOT** use combustible gases, carbon dioxide, oxygen or bottled gas with the air cut off tool.
- **NEVER** use the air cut off tool to perform a task it was not designed to do.
- If the air cut off tool is damaged do not use.

## Introduction

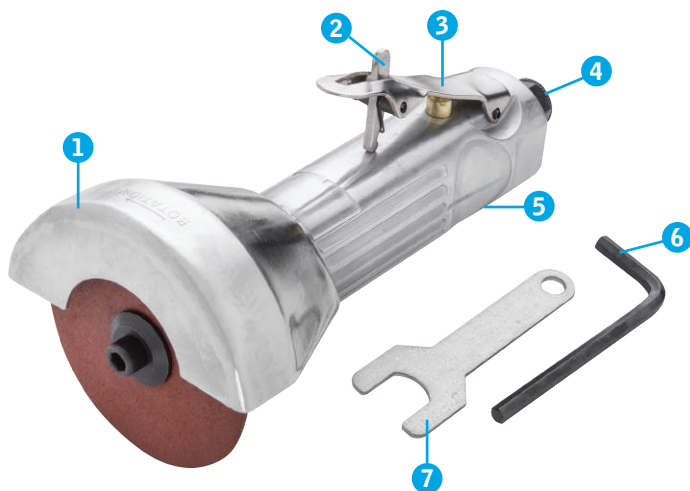
The BlueSpot Air Cut Off Tool is ideal for the cutting of a wide range of materials such as radiator hoses, sheet metal and exhausts. This item can be used in conjunction with our 3" cut off discs (19670) the free speed of the tool is 18,000 rpm. Average air consumption is 4CFM (114L/min) 1/4" BSP Inlet. A robust tool for professional and home use.

## Specification

|                                       |          |
|---------------------------------------|----------|
| <b>Maximum operating pressure</b>     | 100PSI   |
| <b>Recommended operating pressure</b> | 90PSI    |
| <b>Air consumption</b>                | 4CFM     |
| <b>Air inlet</b>                      | 1/4BSP   |
| <b>Minimum hose diameter</b>          | 3/8"     |
| <b>Load speed</b>                     | 18000RPM |
| <b>Disc dimensions</b>                | 3"       |
| <b>Spindle thread</b>                 | M6       |
| <b>Weight</b>                         | 750g     |

## Parts Diagram

1. Spark guard
2. Safety lever
3. Throttle lever
4. Air inlet
5. Air regulator screw
6. Hex key
7. Open end wrench



## Operation

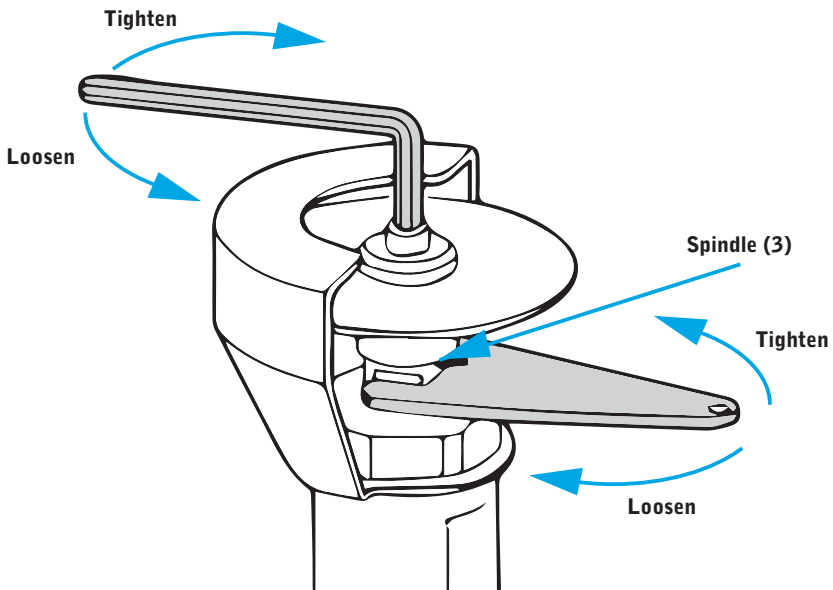
**ALWAYS** ensure that the air cut off tool has been properly lubricated before use.

**ALWAYS** check the air cut off tool for any damage before use. If damage is found it must be repaired/replaced before use.

### Installing/Removing Cutting Wheel

**BE AWARE** not to overtighten the bolt and flange.

1. Slot the open end wrench over the spindle to grip the two flat faces.
2. Hold the spindle firmly with the open end wrench so it is not able to rotate.
3. Whilst holding the spindle securely use your other hand to unscrew the bolt and flange using the hex key.
4. Remove the cutting disc if in place.
5. Correctly fit the new cutting disc by ensuring the metal ring on the new cutting disc is facing the spindle and not outwards.
6. Carefully refit the bolt and flange and tighten using the open end wrench and hex key.
7. Check the cutting disc is secure and correctly aligned by spinning it by hand.



## Guard Adjustment

**ALWAYS** ensure the tool is disconnected from the air supply before making any adjustments to the guard.

1. Use a wrench to loosen the large hex nut.
2. Rotate the guard to the desired position.
3. Carefully retighten the large hex nut.

**ALWAYS** ensure the guard is secure before use.

## Operation

**DO NOT** switch the air cut off tool on/off when the cutting disc is in contact with the workpiece. Always allow the tool to reach its full speed before placing onto workpiece and stop completely before placing the tool down.

**ALWAYS** ensure the tool is held securely using both hands. Make sure your hand/fingers are not near the guard/cutting disc.

**DO NOT** apply too much pressure to the tool when in use. Excessive pressure can damage the cutting disc and increase wear and tear on the tool.

**DO NOT** use the tool for sideways grinding as it is not made for this and can cause the disc to shatter.

**BE AWARE** that when the cutting disc begins to cut the tool will move sideways. Always ensure you have a tight and secure grip of the tool.

**NEVER** allow the tool to run in 'idle' rotation for an extended period of time. This can shorten the life of the tool.

**ALWAYS** ensure the air pressure has been correctly removed from the tool after shutting off the air supply.

1. Ensure the instructions for installing the cutting disc have been followed and the disc is correctly installed.
2. Remove the protective cap from the air inlet and place to one side.
3. Ensure the air cut off tool has been lubricated before use. Add 5 drops of air tool oil in the air inlet.
4. Blow out the air line to remove any dirt or moisture.
5. Connect the air hose to the air inlet.
6. Set the air pressure to 90PSI.
7. The speed can be adjusted by using a slotted screwdriver to adjust the air regulator screw beneath the housing.

## Operation (continued)

8. Safely push the lever forward to release the throttle lever and gently press the lever.
9. The cutting disc will begin to spin. Allow the tool to reach the full operating speed before using on the workpiece.
10. Apply moderate pressure. **DO NOT** force the tool.
11. To stop the tool release the throttle lever.
12. Allow the tool to stop before placing down.

## Cleaning & Maintenance

**ALWAYS** ensure the tool is cleaned after use. This will help to prolong the life of the tools and parts.

**ALWAYS** ensure the tool has been disconnected from the air supply.

**NEVER** use engine oil. **ALWAYS** ensure air tool oil is used.

### Daily Maintenance

- **ALWAYS** ensure the compressor reservoir, air lines and water trap have all been drained before connecting to the air supply.
- **ALWAYS** inspect the tool before use and check for any damage or missing parts.
- Add approximately 1.5ml of air tool oil down the air inlet. Operate the tool at low speed to thoroughly lubricate.
- Clean the body of the tool with a dry cloth.

### After 48 hours running time

- Thoroughly check the product for wear and damage.

## Storage

**ALWAYS** ensure the air hose has been disconnected properly before storing.

**ALWAYS** oil the air cut off tool before storing.

**ALWAYS** ensure the air cut off tool is stored out of reach of children.

Store the tool in a secure, dry place.

## Troubleshooting

| Problem   | Possible Causes                  | Solution   |
|---|----------------------------------|--|
| <b>Loss of pressure / Tool operating slowly</b> | Low air pressure                 | Check and set the correct air pressure. Check for loose connections and secure.  |
|   | Dirt or gum within mechanism     | Refer to the instructions and pour oil into the air inlet.   |
|   | Air blockage                     | Clear the blockage by operating the tool in short bursts.  |
|   | Air leak                         | Check all fittings and the hose for air leaks.   |
|   | Gauze mesh filter blocked        | Clean the mesh filter.   |
| <b>Tool will not start / Tool seized</b>        | Dirt or rust in mechanism        | Refer to the instructions and pour oil into the air inlet.   |
|   |                                  | Replace worn components. Rotor vanes would need to be replaced as an entire set if needed.   |
|   |                                  | Rotate drive manually when disconnected from the air line – this will free the mechanism.  |
| <b>Tool overheats</b>                           | Lubrication of the tool is wrong | Refer to the manual on the proper lubrication of the tool.   |
| <b>Abnormal/strong vibrations</b>               | Bearings/parts worn              | Inspect the bearings / check if the flange is burred or notched / check if the spindle is bent. Replace if needed and lubricate. Also check if the flange is burred or notched. Replace if needed and lubricate. |
|   | Cutting disc damaged             | Check for cracks, deformations or splinters. Replace the cutting disc if damage is found.  |
|   | Cutting disc fitted incorrectly  | Remove the cutting disc and check for damage. Refit.   |



## Disposal

Always check and adhere to national regulations when disposing of any tools that are no longer functional and cannot be repaired.

- Contact your local waste disposal authority for information on how to correctly dispose of tools.

## Environmental 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.



## Contact

Find out more about the BlueSpot® Lifetime Guarantee at **[www.BlueSpot.uk.com](http://www.BlueSpot.uk.com)**

Tel: 0800 093 0115

Email: [sales@bluespot.uk.com](mailto:sales@bluespot.uk.com)

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Notes

This image shows a single sheet of white paper with horizontal blue ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.