

## 150 WATT BENCH GRINDER

### User Manual



**18000**

## General Information

**Thank you** for purchasing a Blue Spot Tools 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

## Safe use

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

**ALWAYS** ensure you have read through all of the safety and operation instructions and feel confident using the tool before beginning.

DO NOT use if damaged.

- Maintain tool in good and clean condition for best and safest performance.
- Keep the work area clean, uncluttered and ensure there is adequate lighting.
- Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- Keep children and unauthorised persons away from the work area.
- If the bench grinder is damaged do not use.
- **NEVER** leave the bench grinder unattended. When you have finished using the bench grinder it should be stored away in a safe place that is out of reach of children.
- **NEVER** try to get the bench grinder to perform a task that it was not made for. Do not overload or misuse the tool.
- **ALWAYS** dress appropriately – clothing should be close fitted and long hair tied back. Jewellery should be removed and shoes should be worn with a non-slip sole.
- **ALWAYS** wear the correct eye, ear and hand protection when operating the bench grinder.
- **ALWAYS** wear approved respiratory protection. This will help protect you from any dust.
- **ALWAYS** ensure you work in a well ventilated room.
- **ALWAYS** ensure that any adjusting keys or wrenches have been removed from the bench grinder before switching on.
- **ALWAYS** ensure the bench grinder has been disconnected from the power supply before replacing the wheels or covers.
- **NEVER** use damaged or cracked wheels.

## Safe use

- When a new grinding wheel has been added to the bench grinder allow it to rotate for 1 minute before use to ensure it is in good condition. If damage is found switch off the machine and replace the grinding wheel before continuing.
- **DO NOT** use the grinding wheels for tasks they were not designed for. This can be dangerous. The grinding wheels should not be used for cutting purposes.
- **ALWAYS** ensure the eye shields and tool rests have been set correctly before switching the bench grinder on. Do not try and adjust these while the tool is in use. We recommend the distance between the wheel and tool rest to be 1.6mm or less as the diameter of the wheel decreases when in use.
- **ALWAYS** ensure the grinding wheels used are suitable for the speed of the bench grinder.
- **ALWAYS** be aware of sparks coming from the bench grinder. Ensure they do not cause a hazard by hitting a flammable substance or person.
- **DO NOT** overtighten the wheel nut.
- **NEVER** operate the bench grinder with the wheel guard off.
- **ALWAYS** ensure the bench grinder is secured on the workbench.
- **ALWAYS** stand to the side when switching on the bench grinder. Do not stand directly in front when switching the bench grinder on.
- **NEVER** operate the tool if you are under the influence of drugs or alcohol as this is dangerous.
- **DO NOT** operate the bench grinder if you are tired as this could be dangerous.
- **DO NOT** get the bench grinder wet. Always use in dry locations/conditions.
- **ALWAYS** check and adhere to national regulations when disposing of the bench grinder.

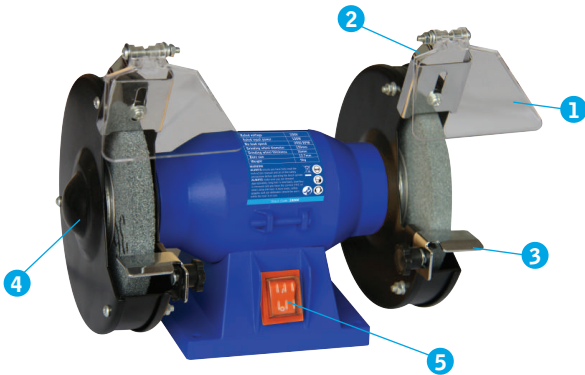
## Introduction

The BlueSpot 6" 150 Watt Bench Grinder can be used with polishing wheels, cloth wheels and grinding wheels. Featuring adjustable eye protection shields, spark deflectors, wheel guards and tool rests.

## Specification

Rated Voltage	230V
Rated Input Power	150W
No load speed	2950 RPM
Grinder wheel diameter	150mm
Grinding wheel thickness	16mm
Bore size	12.7mm
Weight	5 KG
Fitted with	Approved cable and plug

## Parts Diagram



1	Eye Protection Shield
2	Eye Protection Shield Bracket
3	Tool Rest
4	Wheel Cover
5	On/Off Switch

## Parts Diagram (continued)



1	Eye shield
2	Spark deflector
3	Bolts for the eye shield / spark deflectors
4	Washers for the eye shield / spark deflectors
5	Fixing nuts for the eye shield / spark deflectors
6	Adjustable bolts for the spark deflectors
7	Washers for the spark deflectors
8	Fixing nuts for the spark deflectors
9	Tool rests
10	Adjusting nuts for the tool rest
11	Bolts for the tool rest
12	Washers for the tool rest

## Operation

**ALWAYS** ensure you have read through all of the safety and operation instructions and feel confident using the tool before beginning.

Before using the bench grinder ensure you have assembled the eye shields and have a clear view of the bench grinder, set the tool rests to the required working angle with the screws provided.

## Operation (continued)

### Removing or Changing the Grinding Wheels

We recommend the distance between the wheel and tool rest to be 1.6mm or less as the diameter of the wheel decreases when in use. You may need to reposition the positions of the eye shields and tool rests if the distance between the wheel and tool rest changes. Always ensure the bench grinder is fully switched off before repositioning.

1. Always ensure the bench grinder has been fully disconnected from the power supply before removing or changing the grinding wheels.
2. Remove the left and right wheel covers from the machine.
3. Hold the grinding wheel firmly.
4. With a spanner remove the nut and flange from the shaft. The left wheel nut has a left hand thread and the right wheel nut has a right hand thread.
5. Carefully remove the wheel and replace with the new wheel.
6. Re-attach the nut and flange and ensure the grinding wheel is secure on the bench grinder.
7. Attach the wheel covers back over the grinding wheel.
8. When a new grinding wheel has been added to the bench grinder allow it to rotate for 1 minute before use to ensure it is in good condition and the balance is correct. If damage is found switch off the machine and replace the grinding wheel using the steps above before continuing.

### Grinding

1. Allow the bench grinder to reach full speed before beginning with the grinding. This is usually around 1 minute after being switched on.
2. Always ensure the item that is going to be grinded is fully secure before beginning.
3. Use light and even pressure when grinding.
4. To avoid burrs use the edge of the workpiece when grinding.

## Cleaning & Maintenance

To clean just use a dry cloth to wipe over the bench grinder when the tool is fully turned off, unplugged and has cooled down.

## Storage

**ALWAYS** ensure the bench grinder is stored out of reach of children.  
Store the tool in a secure, dry place.

## 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.

## WEEE Regulations

Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.



## 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 Blue Spot Tools® products at **[www.BlueSpot.uk.com](http://www.BlueSpot.uk.com)**

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