

CUTTING & GRINDING DISCS

User Manual



General Information

Thank you for purchasing a Blue Spot product, you can find further information on our range at **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 cutting and grinding discs. 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 the cutting and grinding discs have been checked for any damage before use. Replace any discs where damage is found to prevent damage to property or personal injury.
- **ALWAYS** ensure that operators are trained in the use of cutting and grinding discs and angle grinders and understand and follow the safety requirements before mounting the disc.
- **ALWAYS** make sure the disc has been mounted correctly and securely. Always ensure the instructions have been followed carefully before use.
- **ALWAYS** allow discs to run at operating speed for one minute before use.
- **ALWAYS** handle discs with care to avoid accidental damage.
- **ALWAYS** check maximum operating speed of the cutting and grinding discs and the machine.
- **ALWAYS** use a grinder guard covering at least one-half of the cutting and grinding discs when using an angle grinder.
- **ALWAYS** ensure the angle grinder is unplugged when changing the discs.
- **ALWAYS** wear approved ear and eye protection when using cutting and grinding discs.
- **ALWAYS** wear approved hand protection when using cutting and grinding discs.
- **ALWAYS** wear approved dust respirators when using cutting and grinding discs.
- Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slipshoes.
- Maintain the cutting and grinding discs in good and clean condition for best and safest performance.
- Keep the work area clean, uncluttered and ensure there is adequate lighting.

General Information

- Keep children and unauthorised persons away from the work area.
- **BE AWARE** of where your body is positioned when using the cutting and grinding discs. The body should not be positioned in line with the cutting and grinding discs.
- **DO NOT** exceed the maximum operating speed of the cutting and grinding discs.
- **DO NOT** exceed the maximum operating speed of the machine.
- **DO NOT** force the cutting and grinding discs onto a machine which does not match the bore size.
- **DO NOT** alter the size of the cutting and grinding discs bore.
- **DO NOT** use mounting flanges which are damaged, unclean or warped.
- **DO NOT** start the machine without a guard in place.
- **DO NOT** excessively tighten the mounting screws.
- **NEVER** use the cutting and grinding discs to perform a task that they were not designed for. This can cause damage to property or cause personal injury.
- **NEVER** use the cutting and grinding discs near flammable materials or gases.
- **NEVER** use the cutting and grinding discs for wet grinding.
- If any of the cutting and grinding discs are damaged do not use.

For additional safety information, please refer to standards found in HSG17:
Safety in the Use of Abrasive Wheels which is available online at

<https://www.hse.gov.uk/pubns/books/hsg17.htm>



Introduction

Cutting Discs

Blue Spot Cutting Discs are specially designed to provide fast and accurate cutting. Ideal for use with normal steels, alloy steels and non-ferrous metals. High-quality cutting disc with high resistance to breakage and long-lasting durability.



19666

- Grade: A60RBF
- Diameter: 115mm (4 1/2")
- Bore: 22.23mm
- Thickness: 1mm
- Maximum safe speed: 13300 RPM (80m/s)
- Suitable for all makes of angle grinders



19668

- Grade: A46RBF
- Diameter: 230mm (9")
- Bore: 22.23mm
- Thickness: 2.3mm
- Maximum safe speed: 6600 RPM (80m/s)
- Suitable for all makes of angle grinders



19670

- Grade: A46RBF
- Diameter: 75mm (3")
- Bore: 10mm
- Thickness: 1.6mm
- Maximum safe speed: 20300 RPM (80m/s)
- Suitable for all makes of angle grinders



19652

- Grade: A24RBF
- Diameter: 115mm (4 1/2")
- Bore: 22.23mm
- Thickness: 3mm
- Maximum safe speed: 13300 RPM (80m/s)
- Suitable for all makes of angle grinders



19650

- Grade: C30RBF
- Diameter: 115mm (4 1/2")
- Bore: 22.23mm
- Thickness: 3mm
- Maximum safe speed: 13300 RPM (80m/s)
- Suitable for all makes of angle grinders

Introduction (continued)

Grinding Discs

The Blue Spot Grinding Discs are designed to provide highly efficient grinding ideal for use with normal steels, alloy steels and non-ferrous metals. High resistance to breakage.



19656

- Grade: A24RBF
- Diameter: 115mm (4 1/2")
- Bore: 22.23mm
- Thickness: 6mm
- Maximum safe speed: 13300 RPM (80m/s)
- Suitable for all makes of angle grinders

Cutting & Grinding Disc Materials

Suitable for all makes of angle grinders

Expiry Date	Brand name
Diameter of the disc in metric measurement	Type of product
Maximum safe speed	Material the product can be used on
Bore size of the disc in metric measurement	Colour coding system for what material the disc can be used on
Thickness size of the disc in metric measurement	Product safety information
Blue Spot Tools stock code	Product safety standard.
EAN number	Our cutting discs are manufactured to EN 12413
	Cutting disc type



Operation

ALWAYS ensure that operators are trained in the use of cutting and grinding discs and angle grinders and understand and follow the safety requirements before mounting the disc.

1. Choose a suitable angle grinder.

Always ensure that you have chosen the appropriate angle grinder for the task. Electric grinders are powerful and best suited for tasks that cover a large surface area. Pneumatic grinders are less powerful and are suitable for smaller tasks which require more manoeuvrability and precise grinding in a tight fitting space.

2. Choose a suitable cutting and grinding discs.

Always ensure that you have chosen the appropriate cutting and grinding discs for the task. Refer to the information above when determining which disc is best suited to the job you want to carry out.

3. Ensure the maximum operating speeds of the machine and blade are compatible.

Always ensure you have checked and are aware of the maximum operating speeds of the cutting and grinding discs and the angle grinder and that they are compatible.

4. Mounting the cutting and grinding discs.

Always ensure you follow the instructions of your chosen angle grinder when mounting any cutting or grinding discs.

5. Securing the work object.

Always ensure that the work object you are grinding is firmly secured to minimise movement during the grinding process.

6. Grinding.

Always ensure you hold the angle grinder with a firm grip. Carefully move the grinder across the bulk or body of your work in the direction of the handle to avoid kickback or the disc slipping which could damage your work and cause injury.

7. Finishing grinding.

Always ensure you slowly and carefully lift the grinder from the surface of the work when finishing any grinding task.

Cleaning & Maintenance

Clean the cutting and grinding discs with a dry cloth if needed. Make sure the cutting and grinding discs are not in use when cleaning.

Storage

ALWAYS ensure the cutting and grinding discs are stored out of reach of children.

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 Blue Spot® products at **www.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.