

# BlueSpot<sup>®</sup>

## FLAP DISCS

### User Manual



19642 / 19687 / 19685 / 19683 / 19681 / 19697 / 19696 / 19695 /  
19694 / 19693 / 19692 / 19691 / 19690 / 19689 / 19688 / 19036

## 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 flap 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.**

- If tool is damaged do not use as this may cause damage to property or injury
- **ALWAYS** ensure the flap discs 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 that operators are trained in the use of flap 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 flap disc and machine.
- **ALWAYS** use a grinder guard covering at least one-half of the flap disc 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 flap discs.
- **ALWAYS** wear approved hand protection when using flap discs.
- **ALWAYS** wear approved dust respirators when using flap discs.
- Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- Maintain the flap discs in good and clean condition for best and safest performance.
- Keep the work area clean, uncluttered and ensure there is adequate lighting.
- Keep children and unauthorised persons away from the work area.

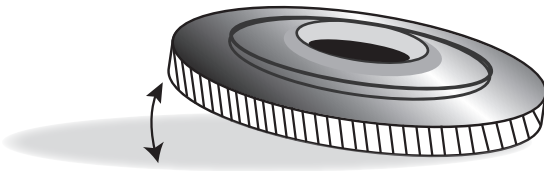
## General Information

- **BE AWARE** of where your body is positioned when using the flap disc. The body should not be positioned in line with the flap disc.
- **DO NOT** exceed the maximum operating speed of the flap disc.
- **DO NOT** exceed the maximum operating speed of the machine.
- **DO NOT** force the flap discs onto a machine which does not match the bore size.
- **DO NOT** alter the size of the flap disc 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 flap discs to perform a task that they were not designed for. This can cause damage to property or cause personal injury.
- **NEVER** use the flap discs near flammable materials or gases.
- **NEVER** use the flap discs for wet grinding.
- If any of the flap 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

Flap discs are versatile abrasive discs designed to provide a variety of right angle grinder applications including fast stock removal, grinding, blending and finishing. Flap discs consist of three main components; abrasive cloth flaps, adhesive and a backing plate. The rectangular abrasive cloth flaps are overlapped and glued to the backing plate using the adhesive.



**Grind at 15° - 25°**

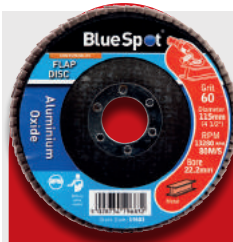


## Aluminium Oxide Flap Discs

BlueSpot Aluminium Oxide Flap Discs are designed to be used with a 4 ½" angle grinder for grinding flat surfaces. The conical shape provides an excellent angle for contour and edge grinding. Best at a wider angle of 15 to 25 degrees. They feature a depressed centre and are primarily used on alloy steel and low alloy steel.



- Aluminium Oxide
- 40 Grit
- Bore Size: 22.2mm
- Maximum Safe Speed: 13280 RPM / 80M/S



- Aluminium Oxide
- 60 Grit
- Bore Size: 22.2mm
- Maximum Safe Speed: 13280 RPM / 80M/S



- Aluminium Oxide
- 80 Grit
- Bore Size: 22.2mm
- Maximum Safe Speed: 13280 RPM / 80M/S



- Aluminium Oxide
- 120 Grit
- Bore Size: 22.2mm
- Maximum Safe Speed: 13280 RPM / 80M/S

## Zirconium Oxide Flap Discs

BlueSpot Zirconium Oxide flap discs are designed to be used with a 4 ½" angle grinder for grinding flat surfaces. The conical shape provides an excellent angle for contour and edge grinding. Best at a wider angle of 15 to 25 degrees. They feature a depressed centre and are ideal for working with Stainless Steel.



- Zirconium Oxide
- 40 Grit
- Bore Size: 22.2mm
- Maximum Safe Speed: 13300 RPM / 80M/S



- Zirconium Oxide
- 60 Grit
- Bore Size: 22.2mm
- Maximum Safe Speed: 13300 RPM / 80M/S



- Zirconium Oxide
- 80 Grit
- Bore Size: 22.2mm
- Maximum Safe Speed: 13300 RPM / 80M/S



- Zirconium Oxide
- 120 Grit
- Bore Size: 22.2mm
- Maximum Safe Speed: 13300 RPM / 80M/S

## Operation

**ALWAYS** ensure that operators are trained in the use of flap 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 flap disc.

Always ensure that you have chosen the appropriate flap disc for the task. Low grit flap discs are suitable for heavy stock removal where a clean finish is not required; high grit flap discs are recommended for use where clean finishing is paramount. Aluminium oxide flap discs are suitable for general purpose grinding and finishing and are perfect for use with metals and wood. Zirconium oxide flap discs are suitable for rough grinding and rugged stock removal and are perfect for use with metals, stainless steel and wood.

### 3. Mounting the flap disc.

Always ensure you follow the instructions of your chosen angle grinder when mounting any flap disc.

### 4. Securing the work object.

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

### 5. 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.

### 6. 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 flap discs with a dry cloth if needed. Make sure the flap discs are not in use when cleaning.

## Storage

**ALWAYS** ensure the flap discs are stored out of reach of children.

Store the flap discs 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.

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

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