



# BLACK STONE

## ABRASIVES FOR EVERY APPLICATION



Wide range of • Cutting & Grinding Discs • Coated Abrasives  
• Bonded Abrasives • Non-woven Abrasives

## Your Safety is Our Priority

Your safety is our first priority, so all Black Stone abrasive products are manufactured in accordance with the European and International safety norms. We understand your environment is tough and demanding, risks and expectations are high, every time you pick up a machine to cut, grind or sand. That's why we always make sure that our products perform to the highest standard, safely.

### oSa<sup>®</sup> - The Organization for the Safety of Abrasives



Black Stone Grinding & Cutting Discs as well as Coated Abrasive products are manufactured with the highest safety levels and we are proud to carry the oSa<sup>®</sup> trademark. We conform to European and International EN12413 standards, for Grinding & Cutting Discs and EN13743 for Coated Fibre Discs and Flap Discs. Our manufacturing sites are certified under ISO 9001, 14001 and OHSAS 18001. Opt for the oSa<sup>®</sup> trademark; tested quality products of the highest safety level.

## Grinding Discs

Portable grinding is a process in which the grinding machine is actually held in the hands of the operator. Weld grinding and notching are usually portable grinding applications.

Black Stone Grinding Discs have been designed to deliver the industry's best line of performance and value.



### USER INDUSTRIES / APPLICATIONS

- Investment Castings
- Steel – Ingot & Bar Manufacturing
- Construction
- Foundries
- Pipe Manufacturing Industry
- General Fabrication
- Chemical & Process Grinders
- Grill Manufacturing Industry
- Storage Tank Fabrication
- Petrochemical & MRO Applications
- All Weld Grinding
- Ship Building
- Foundry Gates and Risers
- Pipeline Notching and Beveling

### COMMON MACHINES

- Electric Angle Grinders
- Pneumatic Grinders
- Electric Straight Grinders
- High Frequency Machines

### PRODUCT AVAILABILITY CHART

Type	Size (mm)	Size (inches)	RPM
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#### Material: For use on Metal / Steel

T-27	100 x 6 x 16	4 x 1/4 x 5/8	15300
T-27	115 x 6 x 22.23	4-1/2 x 1/4 x 7/8	13300
T-27	125 x 6 x 22.23	5 x 1/4 x 7/8	12200
T-27	180 x 6 x 22.23	7 x 1/4 x 7/8	8600
T-27	230 x 6 x 22.23	9 x 1/4 x 7/8	6700

#### Material: For use on Stainless Steel / INOX

T-27	100 x 6 x 16	4 x 1/4 x 5/8	15300
T-27	115 x 6 x 22.23	4-1/2 x 1/4 x 7/8	13300
T-27	125 x 6 x 22.23	5 x 1/4 x 7/8	12200
T-27	180 x 6 x 22.23	7 x 1/4 x 7/8	8600
T-27	230 x 6 x 22.23	9 x 1/4 x 7/8	6700



## Cutting Discs

Black Stone Cutting Discs are pre-engineered to produce the most versatile wheel perform-acne. They are engineered to give you optimum to premium performance in all cutting applications ranging from production to maintenance.



### USER INDUSTRIES / APPLICATIONS

- Notching
- Sample cutting
- Bar cutting
- Rail cutting
- Metal plate dimensioning
- Foundry Gate / Riser removal
- Sheet metal cutting
- Pipe cutting (Cast Iron / Stainless Steel / Mild Steel)

### COMMON MACHINES

- Fixed Stroke type machines are very common
- Chopsaw machines
- Portable Grinders
- Portable Rail Cutting machines

### PRODUCT AVAILABILITY CHART

Type	Size (mm)	Size (inches)	RPM
<b>Material: For use on Metal / Steel</b>			
T-27	100 x 3 x 16	4 x 1/8 x 5/8	15300
T-27	115 x 3 x 22.23	4-1/2 x 1/8 x 7/8	13300
T-27	125 x 3 x 22.23	5 x 1/8 x 7/8	12200
T-27	180 x 3 x 22.23	7 x 1/8 x 7/8	8600
T-27	230 x 3 x 22.23	9 x 1/8 x 7/8	6700

### Material: For use on Stainless Steel / INOX

T-27	100 x 3 x 16	4 x 1/8 x 5/8	15300
T-27	115 x 3 x 22.23	4-1/2 x 1/8 x 7/8	13300
T-27	125 x 3 x 22.23	5 x 1/8 x 7/8	12200
T-27	180 x 3 x 22.23	7 x 1/8 x 7/8	8600
T-27	230 x 3 x 22.23	9 x 1/8 x 7/8	6700





## Large Dia Cutting Wheels

Black Stone Large Diameter Cutting Wheels come with single and double reinforcement combination to suit different applications. They are designed and engineered for free cutting on all kinds of pipes, angles and channels.



### PRODUCT AVAILABILITY CHART

Type	Size (mm)	Size (inches)	RPM
<b>Material: For use on Metal / Steel</b>			
T-1	300 x 3 x 25.4	12 x 1/8 x 1	5100
T-1	355 x 3 x 25.4	14 x 1/8 x 18	4400
T-1	400 x 3 x 25.4	16 x 1/8 x 1	3800

## Ultra Thin Wheels

Black Stone Ultra Thin Wheels with 2 reinforcements are available in thickness of 1-2 mm and are ideal for general purpose cutting applications. They can cut any material like MS, Copper, Aluminium, Plastic in half the time as compared to conventional cutting wheels. Black Stone Ultra Thin Wheels offer unmatched performance with benefits like reduced cutting time, reduced burn and burrs, less power consumption and lower operator fatigue.



### PRODUCT AVAILABILITY CHART

Type	Size (mm)	Size (inches)	RPM
<b>Application: Metal &amp; Stainless Steel Cutting</b>			
T-1	100 x 1 x 16	15300	5100
T-1	115 x 1 x 22.23	13300	4400
T-1	100 x 1.6 x 16	15300	3800
T-1	115 x 1.6 x 22.23	13300	4400
T-1	125 x 1.6 x 22.23	12200	3800
T-1	180 x 1.6 x 22.23	8600	4400
T-1	230 x 2 x 22.23	6700	3800



## Coated Fibre Discs

Black Stone offers a complete line of high-performance Coated Fibre Discs that incorporate a strong resin bond system with a heavy duty vulcanized fibre backing for increased strength, durability and tear-resistance. Black Stone Coated Fibre Discs are designed for a consistent cut rate and uniform high finish throughout their operating life. Black Stone Coated Fibre Discs are available in three types:

- **Zirconia Discs:** Premium Fibre Discs for unparalleled performance in applications requiring rapid material removal.
- **Aluminium Oxide Discs:** Fibre Discs best for applications where surface finish is important and the grinding pressures are low.
- **Silicon Carbide Discs:** Fibre Discs most ideal for woodworking and glass grinding applications.



### TYPICAL APPLICATIONS

- Weld & braze blending
- Metal mismatch
- Cladding burr removal
- Gas cut surface blending
- Gear de-burring
- Flat stock finishing (post planing) in woodworking
- Edge blending / chamfering in furniture making
- Edge finishing of glass

### USER INDUSTRIES

- Primary Auto
- Auto After
- Metal Fabrication
- Composites & Rubber
- Furniture & Decorative

### PRODUCT AVAILABILITY CHART

Dia Size (mm)	Available Grits
100	24, 36, 60, 80, 120
115	24, 36, 60, 80, 120
125	24, 36, 60, 80, 120
178	24, 36, 60, 80, 120

## Coated Flap Discs

Black Stone Flap Discs are used for light stock removal, blending and finishing in a single operation. They grind like a grinding disc and finish like a fibre disc. Black Stone Flap Discs offer superior performance on the toughest and most demanding applications with the lowest total cost.



### TYPICAL APPLICATIONS

- Stock / rust removal
- Blending welds on metal/stainless steel vessels and automotive body shops
- Edge chamfering
- Deburring on CRCA sheets
- Cleaning & finishing of metal surfaces

### PRODUCT AVAILABILITY CHART

Type	Abrasive	Size (Dia mm)	Grits
<b>Material: Metal &amp; Stainless Steel</b>			
27 & 29	Alu. Oxide, Zirconia	100, 115, 125, 178	36, 60, 80, 120



## Waterproof Sheets

Black Stone offers a wide range of high-performance Waterproof Paper and Emery Sheets for wood, wall and metal hand sanding applications.

### TYPICAL APPLICATIONS

- Hand sanding of paint, primer and putty
- Hand sanding of plaster
- Hand sanding of natural wood
- Hand or jitterbug sanding of Sealer and filler sanding

### USER INDUSTRIES

- Primary Auto
- Auto After
- Metal Fabrication
- Construction
- Furniture & Decorative

### PRODUCT AVAILABILITY CHART

Size (mm)	Grits
225 x 275	60, 80, 100, 120, 150, 180, 220, 280, 320, 400, 600, 800 & 1000

## Cloth Rolls

Black Stone Coated Abrasive Rolls are ideal for fast easy sanding, light deburring and polishing of wood, paint, metal and plaster, rust and scale. They can be torn to exact lengths as needed.

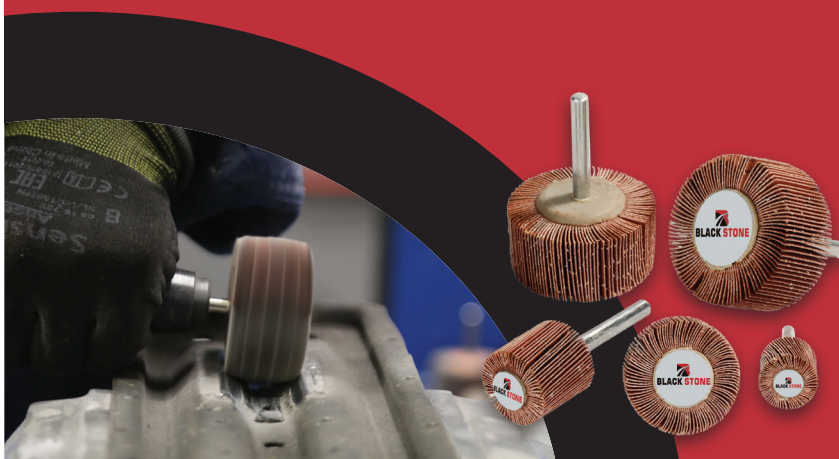


### PRODUCT AVAILABILITY CHART

Max Jumbo Width	Available Grits
1350 mm	36, 60, 80, 100 & 120 (Standard) 180, 220, 320 (based on request)

## Mops

Black Stone Mops are abrasive flap wheels with 6mm dia steel shank as an integral part of each wheel. These shanks run through the wheel creating better balance and reduced operator fatigue.



### TYPICAL APPLICATIONS

- Light stock removal
- Blending
- Deburring
- Cleaning, finishing and polishing

### USER INDUSTRIES

- Primary Auto
- Auto After
- Metal Fabrication

### PRODUCT AVAILABILITY

- Diameter : 15 – 80 mm
- Width : 10 – 60 mm
- Grit Range : # 36 – # 600



## Black Offhand Grinding Wheels



### USER INDUSTRIES

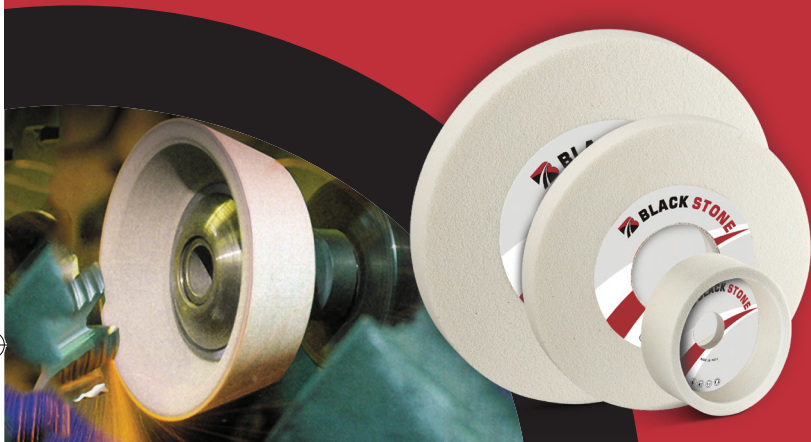
- General Engineering
- Hand Tools
- Agricultural Implements

### TYPICAL APPLICATIONS

- Grinding of excess material in large castings & forgings
- Smoothing of weld seams and for giving a better finish

### PRODUCT RANGE

- Diameter : 200 – 600 mm
- Thickness : 13 – 75 mm
- Grit Range : 60 – 80
- Wheels Types : Type 1



## Toolroom / Surface Grinding Wheels

### USER INDUSTRIES

- Auto Ancillaries
- Cutting Tools
- General Engineering
- Tools & Dies

### TYPICAL APPLICATIONS

- Surface Grinding
- Drill Sharpening
- Tool & Cutter Grinding
- Cylindrical Grinding

### PRODUCT RANGE

- Diameter : 150 – 200 mm
- Thickness : 6 – 50 mm
- Grit Range : 46 – 120
- Abrasive : 38A

## Carbide Grinding Wheels



### USER INDUSTRIES

- General Engineering
- Mining

### TYPICAL APPLICATIONS

- Carbide Tool Regrinding
- Mining 'Button-bit' Grinding

### PRODUCT RANGE

- Diameter : 100 – 600 mm
- Thickness : 13 – 80 mm
- Grit Range : 60 – 80
- Abrasive : 39C, 74C, 39G
- Wheel Types : 1, 6, 7, 9, 11

## Mounted Points



### USER INDUSTRIES

- Steel
- Foundry & Forging
- Tools & Dyes

### TYPICAL APPLICATIONS

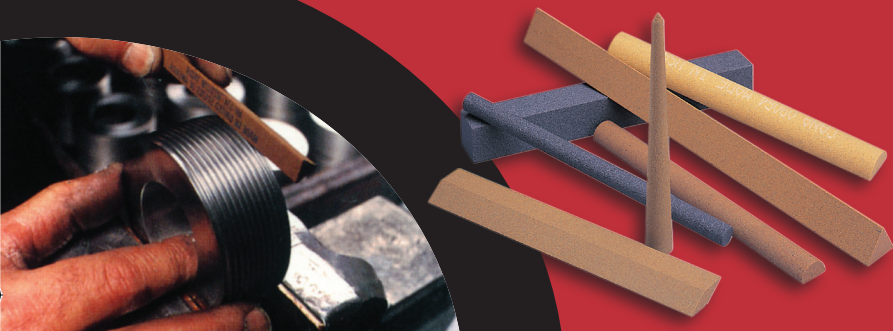
- Deburring
- Tool Sharpening
- Removal of Metal Marks & Parting Lines
- Finishing Cavities
- Smoothing intricate profiles of Castings, Forgings
- Dye Grinding
- Grinding of Steel Rolling Rolls

### PRODUCT RANGE

- Diameter : 5 mm – 40 mm
- Spindle Dia : 3, 3.18, 6, 6.35 mm
- Shapes : A, B & W
- Abrasives : A, 38A, 25A – to suit every need of the end-users

## Bonded Specialties

Black Stone range of Specialties like Dressing, Finishing and Honing Sticks is the best choice for achieving maximum performance from your Vitrified as well as Diamond and cBN wheels.



### USER INDUSTRIES

- Foundry & Forging

### TYPICAL APPLICATIONS

- Offhand dressing of grinding wheels
- Dressing of Diamond / cBN wheels
- Core files used for easy cleaning of rough castings
- Gear deburring
- Edge honing of cutting tools

### PRODUCT RANGE

- Size Range**
- Diameter : 6 mm – 25 mm
  - Length : 100 mm, 150 mm
  - Abrasive : 37C – Coarse, Medium, Fine
  - Shapes : Square, Round, Half Round, Triangular

## Non-woven Hand Pads

Black Stone Non-woven Hand Pads are ideal for a range of applications from cleaning and finishing to deburring and light polishing operations. The flexibility of Black Stone Non-woven products ensures constant contact with the surface and prevents cutting or gouging when working. Can be folded to suit hand / shape. Also available in Roll form.



### PRODUCT RANGE

- Colours : Green, Maroon, Grey
- Shapes : Rolls / Pads