



Precision Abrasives Pvt. Ltd.  
Since 2003

# *Bonded Grinding Wheels*

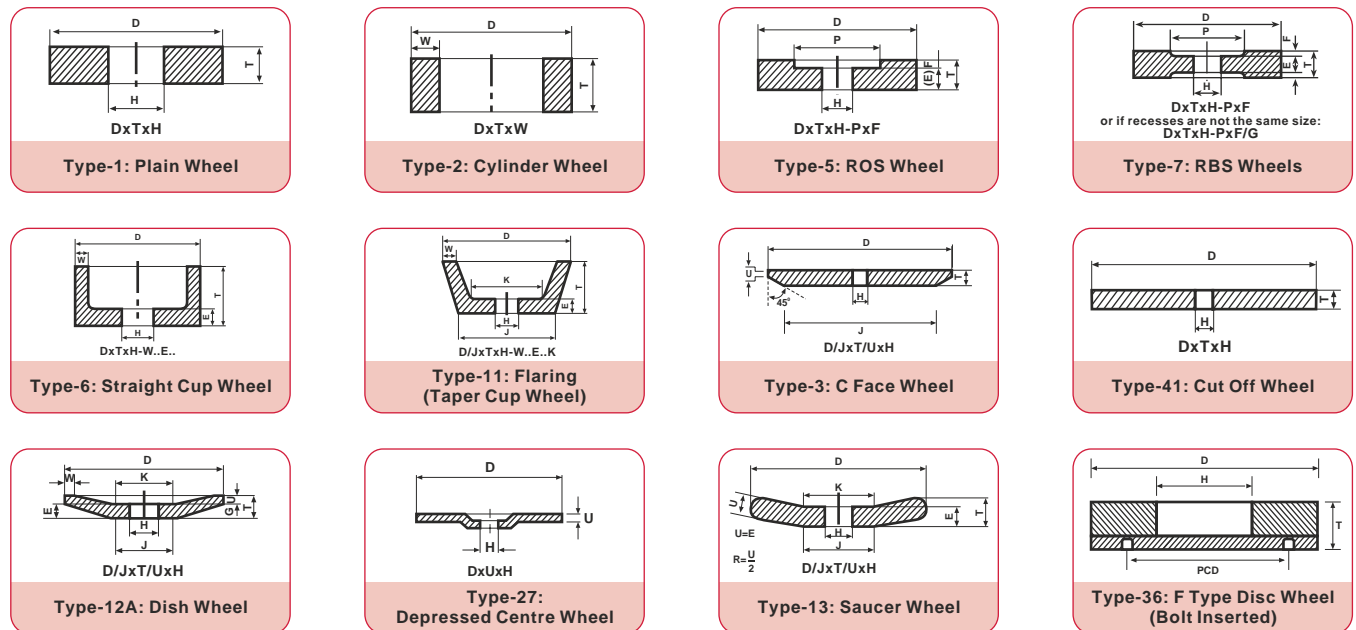


QUALITY ABRASIVES AT REASONABLE PRICES

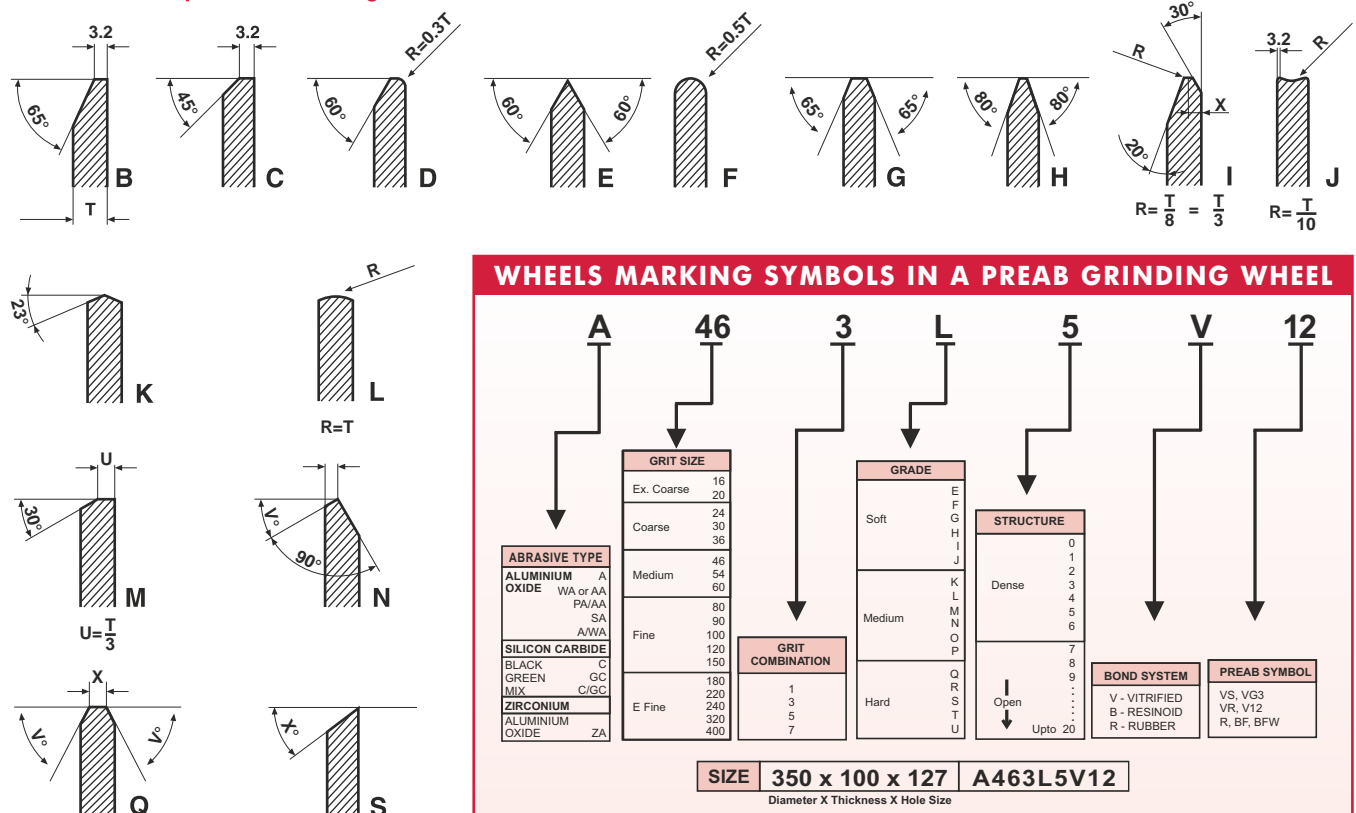
P R O D U C T C A T A L O G U E

## Standard Wheel Types & Shapes

Different shapes of Grinding Wheels commonly used are represented by 'Type' number as under:



## Standard Shapes of Grinding Wheel Faces



**PreAb**, a company providing cost effective quality grinding solutions. We offer an unparalleled selection of grinding



### Tool Room Grinding Wheels

Economical and specially designed to meet a wide variety of miscellaneous grinding operations performed in tool rooms.

**Available in** • White Aluminium Oxide (WA) • Pink Aluminium Oxide (PA) • Brown Aluminium Oxide (A) • Green Silicon Carbide (GC) • Black Silicon Carbide (C)

**Types** • Straight Wheels (Type 1) • Cup Wheels (Types 6 & 11) • Dish Wheels (Type 12)  
Manufactured in vitrified bond.

### Carbide Grinding Wheels

Used for best performance and economy of carbide tool maintenance.

**Available in** • Green Carbide (GC) • Black Silicon Carbide (C) • Mixture - Black & Green Silicon Carbide (GC/C)

**Recommendations** • Grit 46 (Coarse) - rough grinding • Grit 60/80 (Medium) - general purpose • Grit 80/100/120 (Fine) - sharpening the cutting edge

**Types** • Straight Wheels (Type 1)

Manufactured in vitrified bond.



### Centreless Grinding Wheels

Used both in In-feed and Through-feed grinding in nearly all metal working industries like steel & rolling mills, and manufacturing industries like automotive, bearing, bar grinding, dowel pins, fasteners and tools.

**Available in** • White Aluminium Oxide (WA) • Pink Aluminium Oxide (PA) • Brown Aluminium Oxide (A) • Green Silicon Carbide (GC) • Black Silicon Carbide (C) • Mixture - Brown & White Aluminium Oxide (A/WA)

Most wheels are with straight and recessed sides with diameters ranging from 250mm to 600mm and thickness from 25mm to 250mm.

**Types** • Straight wheels • RBS (recessed both sides) • ROS (recessed one side)

Manufactured in vitrified and resinoid bond.

### Rubber Regulating Wheels

Used in Centreless grinding as control wheels. Most wheels are with straight and recessed sides with diameters ranging from 50mm to 400mm and thickness from 25mm to 250mm.

**Available in** • Brown Aluminium Oxide (A)

**Types** • Straight wheels • RBS (recessed both sides) • ROS (recessed one side)

Manufactured in rubber and resinoid bond.



# QUALITY ABRASIVES AT REASONABLE PRICES

products, services and materials to help manufacturing organizations address their tough grinding requirements.



## Cylindrical Grinding Wheels

Used for grinding the outside diameter of components revolving between two centres. Components ground in cylindrical grinders possess better geometrical accuracies and finish than those in turning operation. Wheels range from 250mm to 900mm in diameter and from 20mm to 150mm in thickness.

**Available in** • White Aluminium Oxide (WA) • Pink Aluminium Oxide (PA) • Brown Aluminium Oxide (A) • Mixture - Brown & White Aluminium Oxide (A/WA) • Black Silicon Carbide (C) • Green Silicon Carbide (GC)

**Types** • Straight wheels • RBS (recessed both sides) • ROS (recessed one side)

Manufactured in vitrified and resinoid bond, as per requirement.

## Hypodermic Needle Grinding Wheels & Super Thin Cutting Wheels

Hypodermic Needle Grinding Wheels are made of the finest grains and mainly used for grinding the medical needle point. They have a very high strength. After grinding, the point has good sharpness with no burrs.

Super thin cut off wheels are used for cutting of hypodermic needles, watch parts, exhaust converter tubing and other stainless steel or some nonferrous material. The line speed is up to 60m/s. The finished parts are precise and free of burrs. Available in thickness of 0.4 and 0.5 mm.



## Saw Gumming Grinding Wheels

Primarily used for sharpening and re-sharpening of various types of saws.

**Available in** • Brown Aluminium Oxide (A)

**Types** • Type-3 with C-face

Manufactured in vitrified and resinoid bonds.

## Crankshaft Grinding Wheels

Used in manufacturing various types of crank-shafts for automobile and generator industries. Most wheels are with straight and recessed sides with diameters ranging from 600mm to 1200mm and thickness from 20mm to 100mm.

**Available in** • Brown Aluminium Oxide (A) • White Aluminium Oxide (WA) • Mixture - Brown & White Aluminium Oxide (A/WA).

**Types** • Straight wheels • RBS (recessed both sides)

Manufactured in vitrified bond.







## Disc Grinding Wheels

Used for grinding flat surfaces by employing bonded abrasive wheels or pair of wheels called discs. These wheels, often described as nut or bolt inserted discs and plate mounted discs, are available in various sizes, ranging from 250mm to 600mm in diameter with usable abrasive from 25mm to 100mm in thickness. They are used for Bearing face grinding, Piston ring face grinding, Coil spring end grinding, Vertical spindle surface grinding, Valve plate grinding, Auto and auto ancillaries.

**Available in** • Aluminium Oxide (A) • Silicon Carbide (C)

**Types** • F-type (in resinoid bond) • G-type (in vitrified and resinoid bond)

## Resin Bonded Grinding Wheels

### Snagging Wheels

Used for heavy stock removal in foundries, steel mills, shipyard, welding shops, metal fabrication etc.

### Blade Sharpening Wheels

Used for surgical blades, kitchen knife and blades sharpening.

**Available in** • Brown Aluminum Oxide (A) • White Aluminum Oxide (WA) • Silicon Carbide (C)



## Segments

Used for surface grinding, they can be made into different shapes as per requirement.

**Available in** • Brown Aluminium Oxide (A) • White Aluminium Oxide (WA) • Pink Aluminium Oxide (PA)

Manufactured in a variety of shapes and sizes, as per requirement. Available in vitrified and resinoid bond.

## Internal (Bore) Grinding Wheels

Internal Grinding Wheels for grinding inside surfaces of bearings, rings, cylinders, barrels, and bores and auto parts etc.

The recommended wheel for internal grinding has a diameter up to 2/3 that of the final bore required.

We offers all sizes up to 6" (150mm) in diameter.

**Types:** 1 (Plain), 5 (ROS), 6 (Cup)

**Abrasive types:** A, WA, A/WA, PA/AA, GC, SA.





## Roll Grinding Wheels

Roll Grinding is specialized form of cylindrical grinding for precision grinding of various kinds of rolls. Used both for re-grinding and production grinding of rolls for Steel, Brass, Copper, Aluminum, Printing Paper and Textile Industries.

**Available in** • Brown Aluminum Oxide (A) • White Aluminum Oxide (WA)  
• Silicon Carbide (C)

**Types** • 1-(Straight Wheels) • 7-RBS (Recessed Both Side) • 5-ROS (Recessed One Side)

Manufactured in Vitrified and Resin Bond.

## Sharpening & Polishing Stones & Dressing Sticks

Sharpening & Polishing stones are widely used to grind & hone the edges of steel tools & implements. These stones may be flat, for working flat edges, or shaped for more complex edges such as those associated with some wood carving or wood-turning tools. Either manually or mounted on special purpose grinders.

**Combination Sharpening** stones, that are coarse on one side and fine on the other, are the most widely used product in this category. To achieve a clean cutting edge first use the coarse side on the tool and then sharpen it with the finer side.

**Some Typical Applications:** • Sharpening of Carpentry Tools, Knives, Blades, Scissors etc. **Available in** • Silicon Carbide (C) & Aluminium Oxide (A)



Please ask for separate catalogues: • Ball Grinding Wheel

DURA-KUT™

range of DC/Cut-Off & Coated Products &

DURA-SHINE™

range of Non Woven Matt Wheels

## FOR SAFE GRINDING



Wear ear protectors



Use protective covering



Observe safety recommendations



Not approved for wet grinding



Wear protective goggles



Wear protective gloves



Do not over speed



Wear dust respirator

DEALER STAMP