

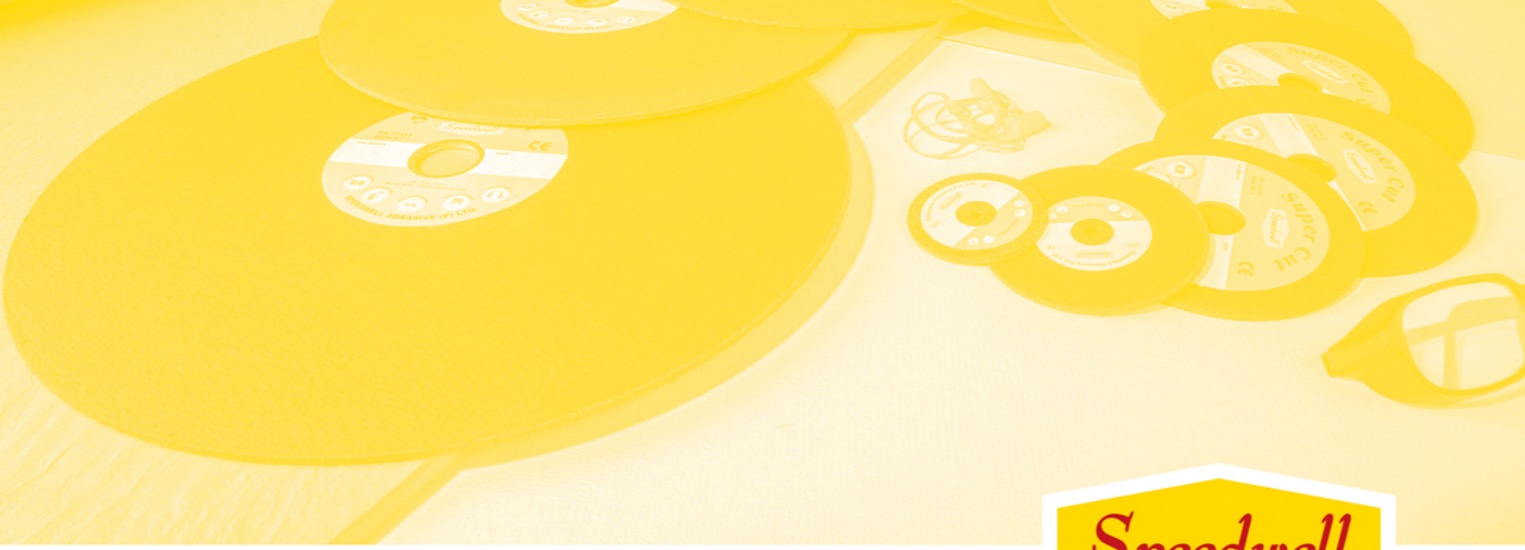
Speedwell

Fast-Safe-Reliable



Technical Excellence to Success





Speedwell Abrasive Pvt. Ltd. is the leading manufacturer of the famous and prestigious "SPEEDWELL" brand abrasive wheels.

To satisfy the demand of customer's for high quality and durable abrasive wheels in competitive rates, **Mr. Dilip Patel (Managing Director)** dedicated to provide better combination of quality and cost together, and that magnificent desire has been concept to create "SPEEDWELL" Brand. He is related with abrasive material since 1990 as a consultant. He has vast knowledge of abrasive material and good skill of manufacturing different type of abrasive tools.

Speedwell has ability to produce raw material in-house, like abrasive grains, glass fibers and so many things related to abrasive wheels. Speedwell has foreign collaboration to produce special abrasive and super abrasive grains in-house. We have well equipped and modern physical, chemical and R&D laboratories.

Speedwell has complete automated and air-condition plant to produce abrasive tools in huge mass with errorless and as per international standard. Abrasive wheels can be manufactured as per standard specification as well as customers demand specifications.

www.speedwellabrasive.com



VISION

Speedwell becomes one of the prestigious abrasives BRAND in India by 2024.

MISSION

To effectively meet total satisfaction of Client's **Expectation, Innovative, Cost and Effective Services, Consistent and Continuous Quality Improvements.**

GOAL

To pursue excellence through continuous improvement in all area to grow 40% by every year.

"SPEEDWELL" brand resinoid bonded wheels are made from Aluminum Oxide or Silicon Carbide mixed with specific bond and cutting agents. These wheels are highly economical and have a long cutting/grinding life.

How to order a grinding wheel

- Thickness
- Diameter of Wheels
- Bore Size
- Grain Size (24, 36, 46, 60 etc.)

Grinding Condition :

Material to be ground, type & hardness, stock to be removed, work piece geometry and surface finish required, grinding machine type & horsepower, wheel speed and feeds, grinding contact area, grinding fluid wet or dry.

Safety Measures

- Wear goggles for all grinding machine operations.
- Check grinding wheels for cracks (Ring Test) before mounting.
- Never operate grinding wheels at speeds in excess of the recommended speed.
- Never adjust the work piece or work mounting devices when the machine is operating.
- Do not exceed recommended depth of cut for the grinding wheel or machine.
- Remove work piece from grinding wheel before turning machine off.
- Use proper wheel guards on all grinding machines.
- Store wheels in dry and safe rack.

Our Products

RESINOID BONDED

1. Resinoid bonded Straight Wheels
2. Resinoid bonded Depressed Center Wheels
3. Resinoid bonded Cut-off Wheels Plain
4. Resinoid bonded Cut-off Wheels Re-inforced
5. Resinoid bonded Knife Wheels
6. Resinoid bonded Segments

VITRIFIED BONDED

1. Green Silicon Carbide (G.C.)
2. Black Silicon Carbide (B.C.)
3. Vitrified Bonded Brown Aluminum Oxide (AV)
4. Vitrified External & Internal Wheel for Bearing
5. Vitrified Bonded Knife Wheels
6. Vitrified Flour Mill Stone & Mill Top Wheels

SILICON CARBIDE

Silicon carbide wheels are use for the grinding of low tensile strength metals like Cast Iron, Brass, Copper, Bronze, Gun Metal and Aluminum. These wheels are also use on Glass, Porcelain, Marble, Granite, Artificial Stone, other of Pearl Precious and Semiprecious Stones, Leather and Hide, Cork Wood, Rubber Granulate, Horn ebonite and the like. One of the popular varieties of abrasive is use rubbing bricks and triangular blocks use for polishing marble.

ALUMINUM OXIDE

This Abrasive is very tough and is particularly suitable for grinding metals of high tensile strength such as Snagging, Steel Casting, Portable Weld Grinding, Cylindrical Grinding on all expect the hardest and most heat resistive steels. Off-hand grinding of Mild Steel, Carbon Steel, Manganese Steel, Stainless Steel etc.



REINFORCED CUT-OFF WHEELS (R.C.O.)

These wheels are with fibre glass reinforced.

It should mounted on fixed or portable grinding machines. At the time of operation the wheel is controlled by hand against fixed workpiece by using cutting plane of wheel.

"SPEEDWELL" manufactures:

- Reinforced single side
- Reinforced dual side
- Triple Reinforced
- Party Reinforced dual side

Application : These wheels are use for cutting applications of ferrous, non ferrous and non metallic substance, like as rods, tubes, structural sections & parting operations.

Product Range

DIAMETER	0.5" to 20" (12.5mm to 500mm)
THICKNESS	1.5mm to 10mm
BORE	Standard bore size and as per customer's requirement



DEPRESSED CENTER WHEELS

These wheels are with fibre glass reinforced. Usually use on portable angle hand grinder.

Application : These wheels are use for Cleaning Metal Surface, Grinding on Welded Bed, Cutting off Molding Gates, proper finishing of surfaces in Foundry, Grinding in Fabrication Shops, Steel Mills, Pipe Industries, Ship Manufacturing, Aircraft Manufacturing & Automobile Parts Industries etc.

Product Range

DIAMETER	THICKNESS	BORE
100mm	4mm to 6mm	16mm
125mm	5mm to 7mm	22.23mm
180mm	5mm to 7mm	22.23mm
230mm	5mm to 7mm	22.23mm

Wheel Brand	Grinding Ratio	Material Removal Rate	Life
SPEED FIRE	High	High	More
ALLWIN	High	Very High	Medium



OFF HAND GRINDING WHEELS

These wheels are use for off hand grinding operations. These operations like fetting and snagging are perform on fixed or movable grinding machines. These wheels are manufactured in two variants. 1. Aluminum Oxide 2. Silicon Carbide

Application : These wheels are use for off snagging & general purpose grinding on different type of metal. Silicon Carbide wheels are use for metal removal process. Both types of wheels are used for application on ferrous and nonferrous metals in foundries, fabrication shop, steel mills, automobile & aeronautic industries, concrete grinding etc.

Product Range

DIAMETER	2" to 10" (50mm to 250mm)
THICKNESS	0.25" to 2.5" (6mm to 63mm)
BORE	Standard bore size and as per customer's requirement



SWING FRAME / PEDESTAL WHEEL

These wheels are use for swing frame grinding.

Application : These wheels are use for metal removal from bor cylinder of automobile engines, surface finish of billets of steel & metal removal of gates in foundry.

Product Range

DIAMETER	10" to 24" (250mm to 600mm)
THICKNESS	1" to 4" (25mm to 100mm)
BORE	Standard bore size and as per customer's requirement



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PLAIN CUT-OFF WHEELS (P.C.O.)

These are non reinforced wheels. Usually use for fixed grinding machines at low cutting speed compare to reinforced cutting wheels.



Application : These wheels are use for such type of job where pressure applied on side of wheel is very low. Like as fixed type machines.

Product Range

DIAMETER	1" to 16" (25mm to 400mm)
THICKNESS	0.6mm to 6mm
BORE	Standard bore size and as per customer's requirement

DUPLEX WHEELS

This Duplex is mounting through nut insert and use for remove metal from job by rotary motion of machine ram.



Application : Segments are use for surface grinding and precise surface finish.

Product Range

DIAMETER	12" to 20" (300mm to 500mm)
THICKNESS	35mm to 75mm
BORE	Standard bore size and as per customer's requirement

SEGMENTS

This segments are keep in a row in planning machine and use for remove metal from job by reciprocating or rotary motion of machine ram.

Application : Segments are use for surface grinding and precise surface finish.

Product Range : as per customer's requirement



VITRIFIED BONDED GRINDING WHEELS

Brown Aluminium Oxide (A.V.)



Suitable for grinding metals of high tensile strength.
Edge retention and consistent grinding.
Minimum stock building on the wheel surface.

Green Silicon Carbide (G.C.)



Suitable for grinding Carbide tipped tools.
Special type of rolls of chilled iron.
Ideal for precision grinding & sharpening applications on metal carbide.

Black Silicon Carbide (B.C.)



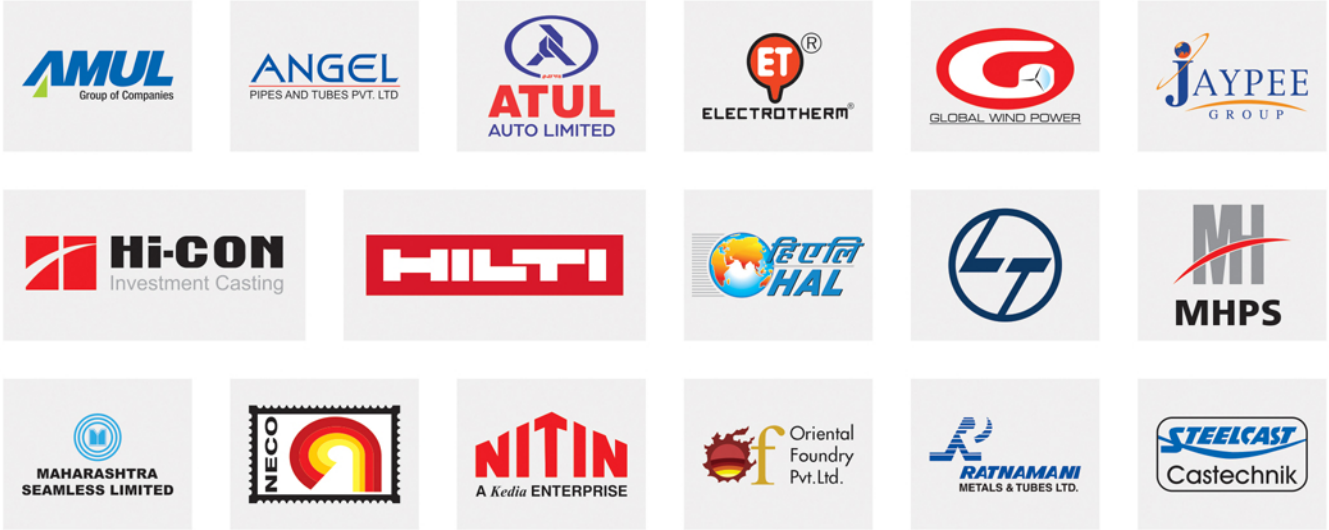
Suitable for grinding material of low tensile strength (non-ferrous) such as brass, copper.
Also suitable for ceramics grinding such as glass and porcelain.

White Aluminium Oxide (W.A.V.)



Suitable for grinding for precise metal finish and polishing.
Cool & burn free cutting, Ideal for heat-sensitive applications with light to moderate feed rates.

Our Valuable Customers



Speedwell Abrasive Pvt. Ltd.
is committed for
Timely Deliveries, Consistent Quality and Efficient Service Back Up



Speedwell Abrasive Pvt. Ltd.

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