

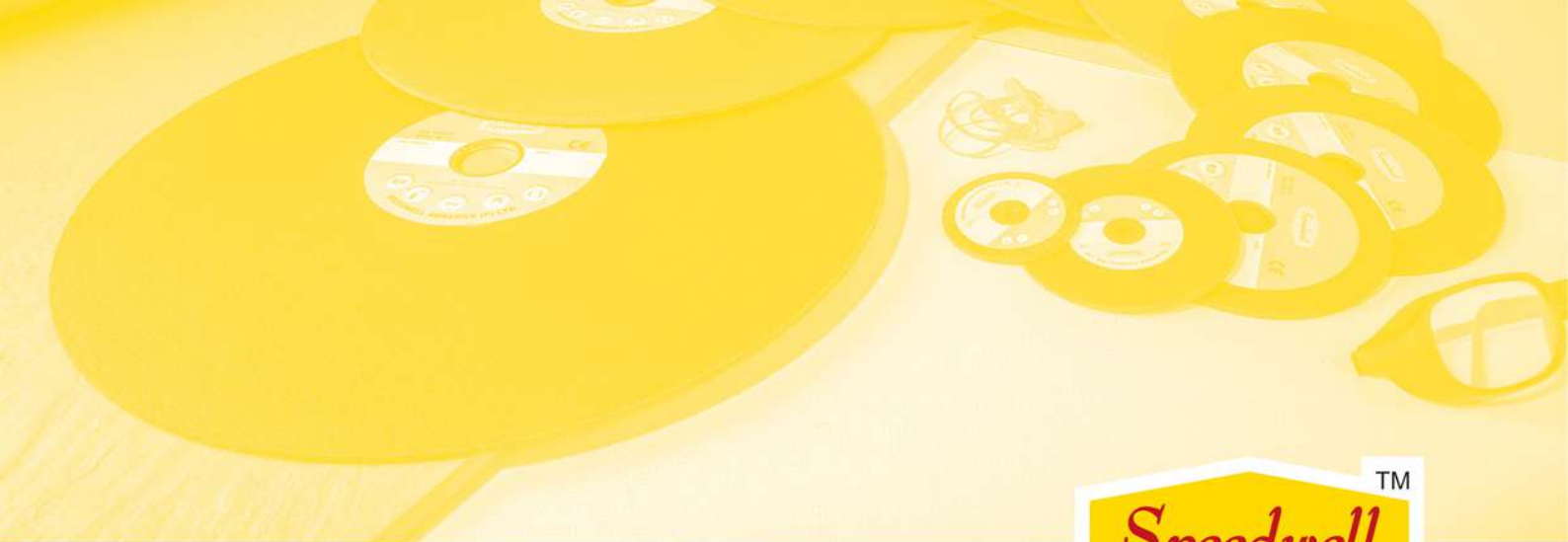
SpeedwellTM

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

Technical Excellency to Success



VISION

Speedwell becomes one of the prestigious abrasives BRAND in India by 2029.



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 35% 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. Re-inforced Cut-Off Wheels
2. Depressed Center Wheels
3. Swing Frame / Pedestal Wheels
4. Off Hand Grinding Wheels
5. Plain Cut-Off Wheels
6. Duplex and Segment
7. Knife Wheels
8. Roll Grinding Wheels

SNAG TECH BONDED

1. Snagging Wheels (Hot Press)
2. Cutting Wheels (RCO)
3. Depressed Centre Wheel (DC)

SILICON CARBIDE

Silicon carbide wheels are used for the grinding of low tensile strength metals like Cast Iron, Brass, Copper, Bronze, Gun Metal and Aluminum. These wheels are also used 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 used rubbing bricks and triangular blocks used 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 except 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 26" (12.5 mm to 660 mm)
THICKNESS	1.5 mm to 10 mm
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
100 mm	4 mm to 6 mm	16 mm
125 mm	5 mm to 7 mm	22.23 mm
180 mm	5 mm to 7 mm	22.23 mm
230 mm	5 mm to 7 mm	22.23 mm

Wheel Brand	Grinding Ratio	Material Removal Rate	Life
SPEEDWELL	High	High	More
5G FIRE	High	Very High	Medium



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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" (50 mm to 250 mm)
THICKNESS	0.25" to 2.5" (6 mm to 63 mm)
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" (250 mm to 600 mm)
THICKNESS	1" to 4" (25 mm to 100 mm)
BORE	Standard bore size and as per customer's requirement

ROLL GRINDING WHEELS



Application : Hot Mill, Cold Mill, Tandem Mill, Temper Mill, Sendzimir Mill, Specialty Mill, Paper Mill.

Product Range

DIAMETER	500 mm to 660 mm
THICKNESS	40 mm to 75 mm
BORE	203 mm / 304 mm
SPEED	30-35 m/s



Fast - Safe - Reliable



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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" (25 mm to 400 mm)
THICKNESS	0.6 mm to 6 mm
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" (300 mm to 500 mm)
THICKNESS	35 mm to 75 mm
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

SnagTech™

Fast - Safe - Reliable

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Zirconia Abrasive Snag Tech Grinding Wheels

High Quality Grinding/Cutting

Application : Suitable for Stainless Steel, Carbon Steel, Alloy Steel, Cast Iron or a similarly tough surface of the casting. Most commonly associated with metal sanding and grinding applications for heavy stock removal.

SNAGGING WHEELS (HOT PRESS)



6 to 8 times wheel life span compared to conventional wheels.

Product Range

DIAMETER	400 mm
THICKNESS	50 mm
BORE	153 mm
WHEEL CODE	101, 102, 103, 104, 105, 106
SPEED	2800 RPM (Recommended for better result)

SNAG TECH CUTTING WHEELS (RCO)



Product Range

DIAMETER	100 mm to 660 mm
THICKNESS	2 mm to 7.0 mm
BORE	Standard
SPEED	80 m/s

SNAG TECH DEPRESSED CENTRE GRINDING WHEELS (DC)



Product Range

DIAMETER	100 mm to 230 mm
THICKNESS	4.0 mm to 7.5 mm
BORE	Standard
SPEED	80 m/s

SNAG TECH SPECIALTIES

Aggressive Grinding - Consistent Cut Rate - Heavy Stock Removal
Lasts Longer Life - Heat Resistance

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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