



P/M TOOLS & ABRASIVES

We introduce ourselves as a quality conscious manufacturer of **Industrial Diamond Products/Circular saws (Marble Blades), Core drills** etc. and have set a new standard of performance for all types of natural stone cutting with latest technology. The manufacturing unit, situated at **Meerut (U.P.) in northern INDIA**, is fully equipped with all modern machinery, qualified & experienced Professionals. It offers a wide range of Quality Products at competitive rates with the assurance of best services to its clients.



DIAMOND CORE DRILLS

SMALLER SIZE CORE DRILL



Used for making holes in Granite, Marble, Sand Stone & Concrete etc. in different dia. & length as specified below :

Dia. in mm (O.D.)	Ø12	Ø14	Ø16	Ø19	Ø20	Ø26	Ø33	Ø37	Ø45	Ø50
General Application	For making holes in walls, stair case & roofs for fasteners & Electric fitting, gas pipe hole in kitchen slab etc.					For making holes in Washbasin, walls, floors & roofs etc. for passing the pipelines & Electric cables.				

These are the general purpose and high production drills used by the Contractors in building construction on a variety of masonry materials with exceptional tool life & low cost per hole.

High Speed Machine (above 8,500 r.p.m.) is recommended for operating these drills. All size of the drills can be fitted in **Angle Grinder or hand /fixed Drill Machine** as required. We manufacture aforesaid drills in all the dia., varying from Ø12mm to Ø50mm. Normally, the shank length of the drills are 50mm (i.e. for hole depth upto 50mm) which can even be increased as per individual requirement (i.e. 60mm, 75mm, 90mm, etc.).

Special drills :

□ Meant for making precise holes with simultaneous counter drilling on top of kitchen marble sink.

□ Meant for making circular cut holes for placement of gratings on top of drain outlets provided in the floors.



BIGGER SIZE DIAMOND CORE DRILL



Dia. in mm(O.D.)	ø63mm	ø75mm	ø89mm	ø100mm	ø125mm	ø150mm
Dia. in mm(I.D.)	ø55mm	ø66mm	ø80mm	ø90.5mm	ø115mm	ø139mm

Being used for making holes In Granite, Marble & Sand Stone etc. in different dia. & depth. Besides, these drills are used to extract the pieces in round shape i.e. core from the stone which are used to decorate the floors & walls etc., aesthetically from the architectural point of view.

DIAMOND CORE DRILL FOR EXTRACTING THE SAMPLES FROM CONCRETE WORKS

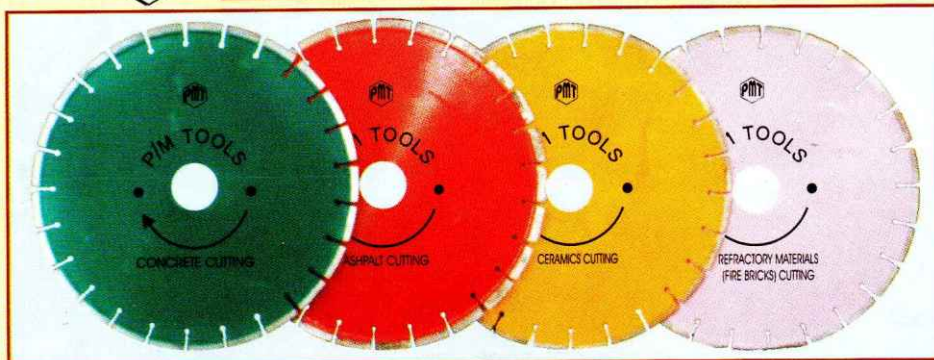
- Specially manufactured for drilling a wide range of critically hard materials like concrete with hard aggregates and medium to-heavy steel reinforcing, also for brick & block masonry to extract the samples of required dia. & depth from different Civil Engineering structures.
- The size varying from Ø3" (75mm) to Ø6" (150mm) and also in bigger sizes are being manufactured with the provision of built-in thread adopters, extra length at open end as per the drilling depth requirements. Special size drills are also manufactured for specific works.
- Provides fast penetration speed, enhanced bit life and minimum cost per hole.



- Widely used in vertical core drilling for Hand-pumps & underground horizontal core drilling for laying the pipeline & cables etc. across the roads and other utilities.



SEGMENTED SAWS FOR CONCRETE CUTTING



The circular saw for cutting of concrete, refractory, ceramics in various Building construction projects and also for the anti-skid grooves necessitated in the construction of Highways, Airport run-ways and other Civil Engineering projects.

We are manufacturing Ø4" (100mm) to Ø40" (1000mm) diamond segmented circular saws. The concrete saw blades are developed for individual requirements for concrete mix and Asphalt cutting.

APPLICATIONS : USED FOR CUTTING

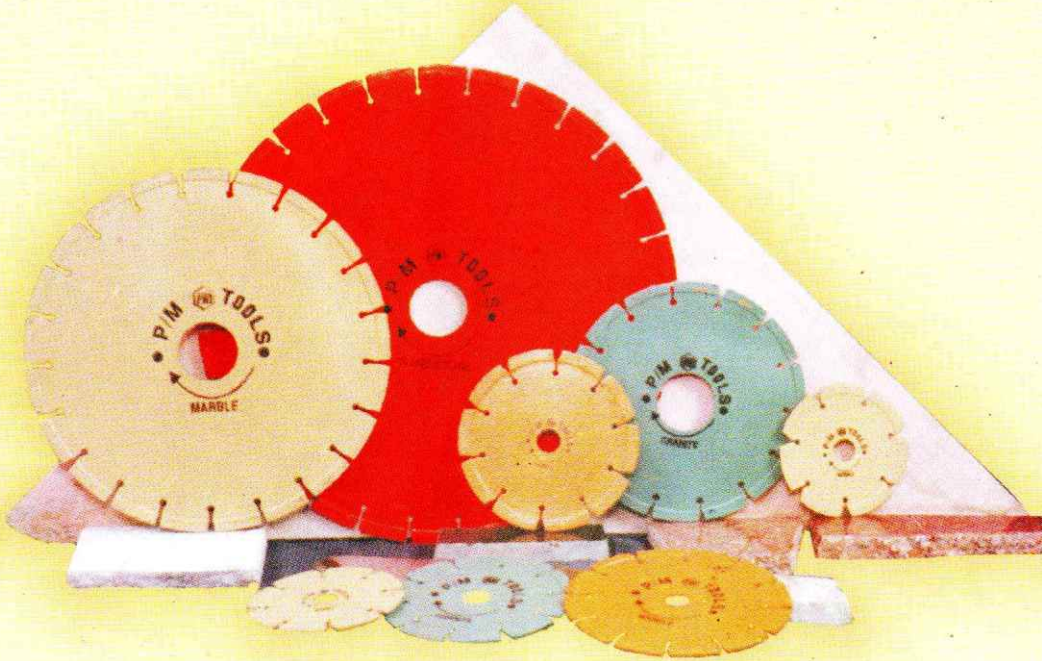
REFRACTORY MATERIALS : Electrocast bricks, Annealed materials.

CERAMICS : Large size tiles, Furnace materials, Grind stones etc.

CEMENT : Concrete blocks, pipes & poles.



DIAMOND SEGMENTED CIRCULAR SAWS



Diamond Segmented Circular Saws are made with the best quality manufactured diamond, which is tailored to suit each cutting application and is cost effective in the bond system. The bonds are designed matching diamond with bond wear rates. The diamond and bond quality are matched as per application depending on stone hardness/wear pattern for Granite, Marble & Sand Stone etc. We are manufacturing $\varnothing 4"$ (100mm) to $\varnothing 40"$ (1000mm) segmented circular saws as specified hereunder :

APPLICATIONS : USED FOR CUTTING

STONES : Granite (Red & Black), Marble (Green, Pink, White etc.), Lime Stone, Sand Stone & Synthetic Stone etc.

OTHER MATERIALS : Asbestos cement, Fibre glass, Slates etc.

TECHNICAL PARAMETERS

Saw Diameter	in mm	105	110	125	150	175	200	250	300	350	400	450	500	550	600
	in inch	4	4.5	5	6	7	8	10	12	14	16	18	20	22	24
No. of segments		7	7	8	10	12	14	18	21	25	28	32	36 30*	40 32*	42 36*
Blank thickness (mm)		1.2	1.2	1.2	1.4	1.6	1.6	1.8	2.0	2.2	2.5 2.8	2.8	2.8	3.5	3.5
Segment Length (mm)		40	40	40	40	40	40	40	40	40	40	40	40	40	40
Segment thickness (mm)		2.2	2.2	2.2	2.4	2.6	2.6	2.8	3.0	3.2	3.6 4.0	4.0	4.0	4.8	4.8
Depth of diamond Impregnation (mm)		10	11	11	11	11	11	11	11	10 12#	10 12#	10 12#	10 12#	10 12#	10 12#

* For wide slot blank. # For sandstone saws.

Recommendations :

- Peripheral speed of saws for cutting hard materials, viz. Granite, Porcelain etc. : 25 to 30 m/s.
- Peripheral speed of saws for cutting medium-hard materials, viz. Marble, Lime Stone etc. : 40 to 50 m/s.
- Peripheral speed of saws for cutting hard & soft sand stones, viz. Dhaulpur Stone, Red Stone etc. : 50 to 60 m/s.



MOULDING BLADES



Moulding Blades are designed to make different moulding works from the architectural point of view at the edges of Granite, Marble & Sand Stone etc. for the decoration of Kitchen slabs, Table tops, Stairs (Nosing), Cornices, Parapets & Monuments etc. Moulding blades of various profile are available. Client has to provide the design of moulding blades with Technical parameters like diameter, width, tapered-flat step & radius (concavity & convexity) etc. as per his requirement. Water cooling holes are provided in the moulding blades.



CUP WHEELS

FOR ALL TYPES OF STONE MOULDING



Segmented & continuous cup wheels are available in following sizes :

Dia. in mm	90	100	112	127	152	178
Dia. in inch	3.5	4	4.5	5	6	7
Application	For the calibration, moulding and finishing the surface & edges of Granite, Marble & Sand Stone etc.					



DIAMOND SEGMENTS



Segment set $\varnothing 4"$ to $\varnothing 40"$ size and above for circular saws, pearls for wire saws, core drilling bits, calibration, polishing & moulding segments etc.

We Welcome for further valuable enquiries and prestigious orders related to all kinds of requirements of stone cutting & processing.

Marketed by:



P/M TOOLS & ABRASIVES

Mfrs. of Diamond Tools for Stone Cutting

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