



Cutting... Leave it to us



HSS & TCT **ANNULAR CUTTER**

- Specially Optimized for Magnetic Drilling M/c.
- High Heat Resistance & Longer service Life.
- Ability to Re-sharpen.
- Drilling without excessive force.
- Good efficiency until the desire length remain.
- Cuts only periphery of a hole.
- Leaving a circular slug @ the center.
- Perfect Smooth Finish.

Simply
Better
Drilling





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HSS & TCT ANNULAR CUTTER

An Annular Cutter is also popularly known as Core Drill, Core Cutter, Broach Cutter.

Bipico Annular Cutter is a specialized bit for drilling through steel. Like a hole saw for wood, an Annular Cutter only cuts the outside edge of a hole. It produces accurate burr-free holes to close tolerances without pre-drilling or step drilling. It can drill a much larger hole and requires less force and time than a standard twist drill bit. An Annular Cutter cuts only the periphery of a hole, leaving a circular "slug" at the center. An Annular Cutter is more efficient alternative to spiral drill bits and standard hole saws. An Annular Cutter is similar to a hole saw but differs in geometry and material.

On stationary drill machines, where through holes are to be drilled with help of pilot holes, **Bipico Annular Cutters** proves biggest advantage by directly drilling final diameter in less than one third cutting time as compared to conventional drill bits. Also the scrap material has reproductive value.

Advantages of Bipico Annular Cutters over conventional twist Drill Bits

Less power / Less effort:

The conventional twist drill has only two cutting edges, while an Annular Cutter has multiple cutting edges which helps to drill with much less horsepower and efforts.

Less material to cut:

The conventional twist drill being solid and having only cutting point has to cut or remove the complete material of the hole to be made. While with Annular Cutters having multiple edges and being hollow cuts only on the periphery of the hole to be made.

Less time needed:

Annular Cutters are considered to be 3 to 4 times faster than conventional Drill Bits.

Lower cost:

Annular Cutter makes 5 to 10 times more holes than a twist drill and it can be again reground for further use.

No pre-drilling or step-drilling:

While using a twist drill bit or metal hole saw one has to do pre-drilling and step-drilling operations for bigger diameter holes, whereas an Annular Cutter requires no pre-drilling and step-drilling. It is a one-shot drilling operation.

Burr-free Holes:

One of the biggest advantages of core drills over twist drill is burr-free holes and smooth holes, resulting in less scrap and wastage of material.

Bipico High-Speed Steel Annular Cutter

HSS Annular Cutter are manufactured from imported fine quality of high speed steel material. These are most popular core drills or Annular Cutters in market.

Advantages:

- Ability to re-sharpen
- Good efficiency until the desire length remain
- Long service life
- Higher heat resistance
- Drilling without excessive force

Available Grade: HSS M2 & HSS M42 (8% Cobalt)

Available Size: From Dia 12 mm to 60 mm

Cutting Depth: 25 mm, 50 mm, 75 mm, 100 mm

It can be supplied in Weldon Shank & Universal Shank.

★ Bigger Dia. HSS Annular Cutter can be supplied on request.



Bipico Tungsten Carbide Annular Cutter

Tungsten Carbide Annular Cutter is produced from best quality imported carbide material having European grade special geometry carbide tip. It is very hard material suitable for cutting through tougher materials. TCT Annular Cutter are popularly used on magnetic drilling machines and on drill press.

Available Size: From Dia 12 mm to 150 mm

Cutting Depth: 40 mm, 55 mm, 75 mm, 100 mm

It can be supplied in Weldon Shank & Universal Shank.

Type of industries using Annular Cutter:

- 1) Steel Fabricators
- 2) Building & Constructions
- 3) Bridge re-building
- 4) Mining
- 5) Ship Building
- 6) Truck, RV & Special Vehicle Build
- 7) Pipeline, Offshore & Oil Fields
- 8) Welding Shops
- 9) Power Utilities
- 10) Railroad Industries
- 11) Maintenance Facilities
- 12) Mobile Repair Shops
- 13) Machinery Riggers



Advantages of Annular Cutter:

Time saving

As an Annular Cutter cuts only on the periphery of the hole to be made, it has to remove much less material as compared to conventional Drill Bits which cut and remove the complete material of the hole.

The Annular Cutters have alternative teeth geometry, therefore the holes can be made at higher or faster cutting speed.

Energy saving

Because Annular Cutters do not have to drill/cut through the complete work piece, they require less thrust and thus less energy to drill through material.

Smooth hole finish & less friction:

Due to evenly distributed chip load to multiple cutting edges, the hole finishing will be precise, smooth and accurate.

Easy

Due to the unique geometry of the Annular Cutters, making holes at awkward angles is also very easy.

Efficient cooling

The cooling of Annular Cutters is internal. The internal lubrication is provided through a hole with the help of a pilot pin. Internal lubrication makes the Annular Cutter faster and more efficient for deep hole drilling.

Best for light duty machines

As the Annular Cutters require very low RPM (from min 50 RPM), these cutters can be easily used with light duty drilling machines or portable magnetic base drilling machines.

Longer Tool Life:

Due to special heat treatment of Annular Cutter it has a longer life.

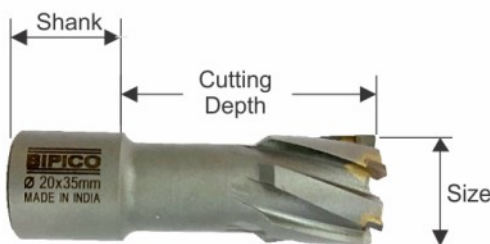
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Better
Drilling



TCT Annular Cutter with Weldon Shank / Universal Shank



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FEED... mm / Rev.

Stainless Steel	Steel	Cast Iron
01	0.05	0.08

(All Dimensions are in mm.)

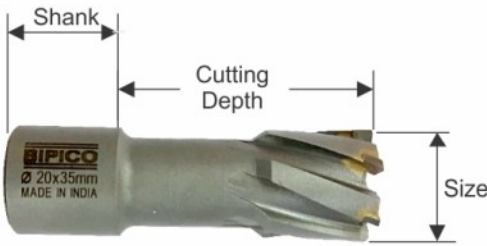
Size	Shank	Cutting Depth	Size	Shank	Cutting Depth	Size	Shank	Cutting Depth
12	19.5	40/55	37	19.5	40/55/75/100	62	31.75	55/75/100
13	19.5	40/55	38	19.5	40/55/75/100	63	31.75	55/75/100
14	19.5	40/55	39	19.5	40/55/75/100	64	31.75	55/75/100
15	19.5	40/55	40	19.5	40/55/75/100	65	31.75	55/75/100
16	19.5	40/55	41	19.5	40/55/75/100	66	31.75	55/75/100
17	19.5	40/55	42	19.5	40/55/75/100	67	31.75	55/75/100
18	19.5	40/55/75/100	43	19.5	40/55/75/100	68	31.75	55/75/100
19	19.5	40/55/75/100	44	19.5	40/55/75/100	69	31.75	55/75/100
20	19.5	40/55/75/100	45	19.5	40/55/75/100	70	31.75	55/75/100
21	19.5	40/55/75/100	46	19.5	40/55/75/100	71	31.75	55/75/100
22	19.5	40/55/75/100	47	19.5	40/55/75/100	72	31.75	55/75/100
23	19.5	40/55/75/100	48	19.5	40/55/75/100	73	31.75	55/75/100
24	19.5	40/55/75/100	49	19.5	40/55/75/100	74	31.75	55/75/100
25	19.5	40/55/75/100	50	19.5	40/55/75/100	75	31.75	55/75/100
26	19.5	40/55/75/100	51	19.5	40/55/75/100	76	31.75	55/75/100
27	19.5	40/55/75/100	52	19.5	40/55/75/100	77	31.75	55/75/100
28	19.5	40/55/75/100	53	19.5	40/55/75/100	78	31.75	55/75/100
29	19.5	40/55/75/100	54	19.5	40/55/75/100	79	31.75	55/75/100
30	19.5	40/55/75/100	55	19.5	40/55/75/100	80	31.75	55/75/100
31	19.5	40/55/75/100	56	19.5	40/55/75/100	81	31.75	55/75/100
32	19.5	40/55/75/100	57	19.5	40/55/75/100	82	31.75	55/75/100
33	19.5	40/55/75/100	58	19.5	40/55/75/100	83	31.75	55/75/100
34	19.5	40/55/75/100	59	19.5	40/55/75/100	84	31.75	55/75/100
35	19.5	40/55/75/100	60	19.5	40/55/75/100	85	31.75	55/75/100
36	19.5	40/55/75/100	61	31.75	55/75/100	86	31.75	55/75/100

*Each cut loads only one-third cutting force, fast feed rate,
smooth cutting, less vibration & long tool life*

TCT Annular Cutter with Weldon Shank / Universal Shank



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FEED... mm / Rev.

Stainless Steel	Steel	Cast Iron
01	0.05	0.08

(All Dimensions are in mm.)

Size	Shank	Cutting Depth
87	31.75	55/75/100
88	31.75	55/75/100
89	31.75	55/75/100
90	31.75	55/75/100
91	31.75	55/75/100
92	31.75	55/75/100
93	31.75	55/75/100
94	31.75	55/75/100
95	31.75	55/75/100
96	31.75	55/75/100
97	31.75	55/75/100
98	31.75	55/75/100
99	31.75	55/75/100
100	31.75	55/75/100
101	31.75	55/75/100
102	31.75	55/75/100
103	31.75	55/75/100
104	31.75	55/75/100
105	31.75	55/75/100
106	31.75	55/75/100
107	31.75	55/75/100
108	31.75	55/75/100
109	31.75	55/75/100
110	31.75	55/75/100
111	31.75	55/75/100

Size	Shank	Cutting Depth
112	31.75	55/75/100
113	31.75	55/75/100
114	31.75	55/75/100
115	31.75	55/75/100
116	31.75	55/75/100
117	31.75	55/75/100
118	31.75	55/75/100
119	31.75	55/75/100
120	31.75	55/75/100
121	31.75	55/75/100
122	31.75	55/75/100
123	31.75	55/75/100
124	31.75	55/75/100
125	31.75	55/75/100
126	31.75	55/75/100
127	31.75	55/75/100
128	31.75	55/75/100
129	31.75	55/75/100
130	31.75	55/75/100
131	31.75	55/75/100
132	31.75	55/75/100
133	31.75	55/75/100
134	31.75	55/75/100
135	31.75	55/75/100
136	31.75	55/75/100

Size	Shank	Cutting Depth
137	31.75	55/75/100
138	31.75	55/75/100
139	31.75	55/75/100
140	31.75	55/75/100
141	31.75	55/75/100
142	31.75	55/75/100
143	31.75	55/75/100
144	31.75	55/75/100
145	31.75	55/75/100
146	31.75	55/75/100
147	31.75	55/75/100
148	31.75	55/75/100
149	31.75	55/75/100
150	31.75	55/75/100

**Pilot Pin for
Cutting Depth 40mm & 55mm**

6.34 mm x 77 mm

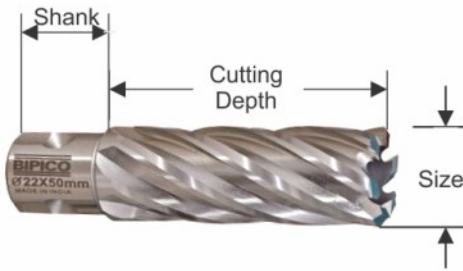
6.34 mm x 90 mm

7.98 mm x 90 mm

7.98 mm x 106 mm

*Each cut loads only one-third cutting force, fast feed rate,
smooth cutting, less vibration & long tool life*

HSS Annular Cutter with Weldon Shank / Universal Shank



FEED... mm / Rev.

Stainless Steel	Steel	Cast Iron
0.01	0.05	0.08

(All Dimensions are in mm.)

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Size	Shank	Cutting Depth
12	19.5	25 / 50
13	19.5	25 / 50
14	19.5	25 / 50
15	19.5	25 / 50
16	19.5	25 / 50
17	19.5	25 / 50
18	19.5	25/50/75/100
19	19.5	25/50/75/100
20	19.5	25/50/75/100
21	19.5	25/50/75/100
22	19.5	25/50/75/100
23	19.5	25/50/75/100
24	19.5	25/50/75/100
25	19.5	25/50/75/100
26	19.5	25/50/75/100
27	19.5	25/50/75/100
28	19.5	25/50/75/100
29	19.5	25/50/75/100
30	19.5	25/50/75/100
31	19.5	25/50/70/100
32	19.5	25/50/75/100
33	19.5	25/50/75/100
34	19.5	25/50/75/100
35	19.5	25/50/75/100
36	19.5	25/50/75/100

Size	Shank	Cutting Depth
37	19.5	25/50/75/100
38	19.5	25/50/75/100
39	19.5	25/50/75/100
40	19.5	25/50/75/100
41	19.5	25/50/75/100
42	19.5	25/50/75/100
43	19.5	25/50/75/100
44	19.5	25/50/75/100
45	19.5	25/50/75/100
46	19.5	25/50/75/100
47	19.5	25/50/75/100
48	19.5	25/50/75/100
49	19.5	25/50/75/100
50	19.5	25/50/75/100
51	19.5	25/50/75/100
52	19.5	25/50/75/100
53	19.5	25/50/75/100
54	19.5	25/50/75/100
55	19.5	25/50/75/100
56	19.5	25/50/70/100
57	19.5	25/50/75/100
58	19.5	25/50/75/100
59	19.5	25/50/75/100
60	19.5	25/50/75/100

Pilot Pin for

Cutting Depth 40mm & 55mm

4.74 mm x 77 mm
for Dia 12 mm to 16 mm
Cutting Depth= 25 mm

4.74 mm x 106 mm
for Dia 12 mm to 16 mm
Cutting Depth= 50 mm

6.34 mm x 77 mm
for Dia 17 mm to 60 mm
Cutting Depth= 25 mm

6.34 mm x 106 mm
for Dia 17 mm to 60 mm
Cutting Depth= 50 mm

7.98 mm x 106 mm
7.98 mm x 155 mm

Dual - Cut geometry, Less Resistance, fast feed rate,

smooth cutting, less vibration & long tool life



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BIPICO INDUSTRIES (TOOLS) PVT. LTD. BILIMORA, GUJARAT.

BIPICO INDUSTRIES (TOOLS) PVT. LTD.

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RUNIV ENGINEERS PVT. LTD.



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BOANDED PRICE LIST-EFF. DT.18-07-2022

1. ALUMINIUM OXIDE GRINDING WHEELS "A" FOR GENERAL USE

DIA	TH	HOLE	GRADING	EACH/RS.	DIA	TH	HOLE	GRADING	EACH/RS.
50	10	7.94	A36,A46	100.00	300	40	50.8	A24,R5,V6	2673.00
50	25	25.4	A36-Q5-V30	214.00	300	40	50.8	C.M.F.	2673.00
65	25	25.4	A36-Q5-V30	278.00	300	50	50.8	A24,C.M.F.	3692.00
75	13	19.05	A46,60	132.00	350	40	50.8	A24,C.M.F.	5525.00
75	20	19.05	A36,46,60	252.00	350	50	50.8	C.F.	9470.00
75	25	31.75	A36,46,60	318.00	350	50	50.8	A24,M.	7410.00
100	13	19.05	A24,36,46,60	228.00	400	50	50.8	A24,M.	8185.00
100	13	19.05	A120,Q5,V30	364.00	400	50	50.8	C.F.	15195.00
100	20	19.05	A24,36,46,60	258.00	400	65	152.4	A24,R5,V6	9640.00
100	25	19.05	A24,R5,V6	328.00	450	50	50.8	A24,R5,V6	10740.00
150	6	31.75	A120,Q5,V30	416.00	2.'C' FACE TAPER EDGE SAW GR.WHEEL (V30 BOND)				
150	6	31.75	MEDIUM	355.00	150	6	31.75	C FACE	391.00
150	13	31.75	A24,C.M.F.	440.00	200	6	31.75	C FACE	552.00
150	20	31.75	A24,C.M.F.	437.00	200	8	31.75	C FACE	643.00
150	25	31.75	A24,C.M.F.	517.00	250	6	31.75	C FACE	910.00
200	6	31.75	MEDIUM	500.00	250	8/10	31.75	C FACE	1062.00
200	10	31.75	C.M.F.	835.00	300	10	31.75	C/A60	1365.00
200	13	31.75	M.F.	678.00	300	13	31.75	C/A60	1325.00
200	13	31.75	A24,C.	920.00	3.CRANK SHAFT GRINDING WHEEL V10,BOND				
200	20	31.75	A24,C.M.F.	735.00	600	22.23	152.4	A463-L5-V10	13360.00
200	25	31.75	A24,C.M.F.	784.00	660	19.05/22.23	152.4	A463-L5-V10	14082.00
250	10/13	31.75	C.M.F.	1218.00	660	19.05/25.4	203.2	A463-L5-V10	13970.00
250	20	31.75	A24,C.M.F.	1690.00	660	40	203.2	ROLL GRINDING	18940.00
250	25	31.75	A24,C.M.	1320.00	711	25.4/19.05	203.2	A463-L5-V10	18420.00
250	25	31.75	FINE	1320.00	762	25.4	203.2	A463-L5-V10	19150.00
300	25	25.4	L.B.,A24	1992.00	812.8	25.4	203.2	A463-L5-V10	28080.00
300	25	25.4	L.B.,C.M.F.	1992.00	900	38	304.8	A463-L5-V10	46450.00
300	25	50.8	A24	1905.00	914	25.4	304.8	A463-L5-V10	32200.00
300	25	50.8	FINE,C.M.	1905.00	660	50	203.2	A463-L5-V10	29610.00

C= COARSE

M= MEDIUM

F= FINE

EX. = EXTRA FINE





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DIA	TH	HOLE	GRADING	EACH/RS.	DIA	TH	HOLE	GRADING	EACH/RS.
4. V10 BOND FOR PRECISION GRINDING OF M.S. & C.S.					150	13	31.75	A120	700.00
300	40	127	ROS 190X15 A463,A60	2690.00	150	20	31.75	A60	525.00
350	40	127	ROS 190X15 A463,A60	4515.00	180	13	31.75	A60-K5	510.00
400	40	127	ROS 190X15 A463,A60	5876.00	200	13	31.75	A60-K5	666.00
400	50	127	ROS 190X15 A60,V10	8785.00	200	25	31.75	A60	810.00
450	65	254	ROS 190X15 A463,A60	12418.00	250	20	76.2	A60	1290.00
500	60	254	ROS 190X15 A463,A60	16460.00	250	25	76.2/31.75	A60-K5	1446.00
5. ALLUMINIUM OXIDE GR. WHEEL 'DA' FOR M.S. AND C.S.					300	25	76.2	A60-K5	1655.00
13	13	3,18/6.35	DA60-L3-V10	93	300	25	127	A60-K5	1800.00
16	13	6.35	DA60-L3-V10	139	300	80	140	A60-L5	4592.00
16	16/20	6.35	DA60-L3-V10	182	350	25	127	A60-L5	3500.00
20	6	6.35	DA60-L3-V10	120	350	40	127	A463/A60	4515.00
20	10	6.35	DA60-L3-V10	122	350	50	127	A60-N5-V10	5950.00
20	13	6.35	DA60-L3-V10	135	350	100	127	A463/A60	9526.00
20	20	6.35	DA60-L3-V10	116	350	100	152.4	A463/A60	9245.00
20	25	6.35	DA60-L3-V10	206	350	150	127	A60-L5	15535.00
25	6	6.35	DA60-L3-V10	93	400	25	127	A463/A60	7000.00
25	10	6.35	DA60-L3-V10	122	400	40	127	A60-L5	5876.00
25	13	6.35	DA60-L3-V10	114	500	50	254	A60-L5	11140.00
25	20	6.35	DA60-L3-V10	182	500	150	304.8	A463/A60	27885.00
25	25	6.35	DA60-L3-V10	132	500	200	304.8	A60	38230.00
25	25	10.0/12.7	DA60-L3-V10	135	6. DISH WHEEL (TYPE 12) 'A' V10 BOND				
32	6	6.35	DA60-L3-V10	122	150	12.7	31.75	A60-K5-V10	436.00
32	13	6.35/12.7	DA60-L3-V10	167	7. STRAIGHT CUP WHEELS (TYPE 60 'A' V10 BOND)				
40	6	6.35	DA60-L3-V10	122	20	20	6.35	DA60-L3-V10	125.00
40	13	6.35/12.7	DA60-L3-V10	167	25	25	6.35	DA60-L3-V10	230.00
40	25	6.35/12.7	DA60-L3-V10	240	40	25	12.7	DA60-L3-V10	235.00
40	40	12.7	DA60-L3-V10	287	40	40	12.7	DA60-L3-V10	320.00
50	6	6.35	DA60-L3-V10	102	50	50	12.7	DA60-L3-V10	455.00
50	13	6.35/12.7	DA60-L3-V10	198	50	25/40	12.7	DA60-L3-V10	340.00
50	20	12.7	DA60-L3-V10	240	76.2	40	19.05	A46/54,A60	418.00
50	25	12.7	DA60-L3-V10	306	100	50	31.75	A46/54	516.00
65	6	6.35	DA60-L3-V10	187	125	100	31.75	A46	1237.00
65	10	6.35	DA60-L3-V10	210	150	100	31.75	A46/54	1515.00
65	13	12.7	DA60-L3-V10	240	200	100	31.75	A46/54	2146.00
150	3/6	31.75	A60/A120 - L5	556	8. TAPER CUP WHEELS (TYPE 11) 'A' V10 BOND				
150	13	31.75	A60-K5-V10	432	101.6	50.8	31.75	A46/54	490.00





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DIA	TH	HOLE	GRADING	EACH/RS.	DIA	TH	HOLE	GRADING	EACH/RS.
9.WHITE ALUMINIUM OXIDE "AA"GRINDING WHEELS FOR H.S.STEEL									
13	13	3.18/6.35	AA60-K5-V8	130.00	200	10	31.75	AA320/400	3160.00
16	13	6.35	AA60-K5-V8	130.00	200	13	31.75	AA46/54,60	655.00
16	16/20	6.35	AA60-K5-V8	208.00	200	13	31.75	AA120	1894.00
20	13	6.35	AA60-K5-V8	130.00	200	20	31.75	AA46/54,60	836.00
20	20/25	6.35	AA60-K5-V8	168.00	200	20	50.8	AA46/54,60	836.00
25	6	6.35	AA60-K5-V8	114.00	200	25	31.75	AA46/54,60	970.00
25	10/13	6.35	AA60-K5-V8	130.00	250	20	76.2	AA60	2153.00
25	25	6.35	AA60-K5-V8	142.00	250	25	31.75/50.8	AA46/54,60	3934.00
40	6	6.35	AA60-K5-V8	116.00	250	25	76.2	AA46/54,60	2345.00
40	13	6.35	AA60-K5-V8	152.00	300	25	76.2/127	AA60,AA46/54	5820.00
40	25	6.35/12.7	AA60-K5-V8	250.00	300	40	50.8/76.2	AA60,AA46/54	6880.00
40	40	6.35/12.7	AA60-K5-V8	300.00	300	40	127	AA60(ROS)	5055.00
50	6	6.35	AA60-K5-V8	160.00	300	50	76.2/127	AA46/54,60/RBS	10520.00
50	13	12.7	AA60-K5-V8	210.00	350	25	127	AA46,60	11050.00
50	20	12.7	AA60-K5-V8	250.00	350	40	127	AA46,60	11600.00
50	25	12.7	AA60-K5-V8	320.00	350	50	127	AA46,60	15350.00
65	13	12.7	AA60-K5-V8	250.00	400	25	127/152	AA46,60	10130.00
65	25	12.7	AA60-K5-V8	345.00	400	40	127/152	AA46,60	13770.00
75	13	12.7	AA60-K5-V8	263.00	400	50	127	AA46,60	18320.00
100	13	19.05/31.75	AA60-K5-V8	280.00	10.DISH WHEEL (TYPE-12) 'AA' BOND 'RAA'				
150	3	31.75	AA60/120	775.00	152.4	12.7	31.75	AA46/54,60	584.00
150	6	31.75	AA60	390.00	152.4	12.7	31.75	RAA46,60-K6-V206	678.00
150	6	31.75	AA120	505.00	11.STRAIGHT CUP WHEEL (TYPE-6) WHITE 'AA' BOND				
150	6	31.75	AA220	925.00	20	20	6.35	AA60-K5-V8	225.00
150	6	31.75	AA400	1434.00	25	25	6.35	AA60-K5-V8	137.00
150	10	31.75	AA220	1006.00	40	40	12.7	AA60-K5-V8	340.00
150	10	31.75	AA320/400	1565.00	50	25	12.7	AA60-K5-V8	428.00
150	13	31.75	AA46/54,60	476.00	50	40	12.7	AA60-K5-V8	428.00
150	13	31.75	AA120	566.00	50	50	12.7	AA60-K5-V8	535.00
150	13	31.75	AA220	1274.00	75	40	12.7	AA60-K5-V8	595.00
150	20	31.75	AA60	538.00	100	50	31.75	AA60,46/54	704.00
150	20	31.75	AA46/54	1050.00	125	100	31.75	AA46/54-K5	1655.00
150	20	31.75	AA120	1140.00	150	100	31.75	AA60,46/54	2010.00
150	25	31.75	AA46/54,60	1246.00	200	100	31.75	AA46/54-K5	3225.00
180	6	31.75	AA60	546.00	250	100	31.75	AA60	14600.00
180	13	31.75	AA46/54,60	537.00	12.TAPER CUP WHEELS (TYPE-11) AA				
180	13	31.75	AA80/120	700.00	88.90	38.1	31.75	AA46/54,60	380.00
200	6	31.75	AA60	534.00	101.60	38.1	31.75	AA46/54,60	617.00
200	6	31.75	AA120	1476.00	101.60	50	31.75	AA46/54,60	705.00





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DIA	TH	HOLE	GRADING	EACH /RS.	DIA	TH	HOLE	GRADING	EACH/RS.
13.PINK ALUMINIUM OXIDE "RAA" GRINDING WHEELS FOR H.S.STEEL					350	40	101.6	C463-L5-VG	9080.00
150	6	31.75	RAA60-K5-V206	415.00	350	100	152.4	C463-L5	19470.00
150	13	31.75	RAA46,60-K5-V206	486.00	19.REINFORCED CUT-OFF WHEELS				
180	13	31.75	RAA46,60-K5-V206	580.00	65	2.5	10	A46-T5-BFW	80.00
200	13	31.75	RAA46,60-K5-V206	704.00	100	3	12.7/16	A24-R5-BFW	136.00
200	20	31.75	RAA46,60-K5-V206	885.00	125	3	22.23	A24-R5-BFW	150.00
14.ST. AND TAPER CUP WHEEL PINK TYPE-6/TYPE-11					180	3/4	22.23	A24-R5-BFW	170.00
100	38	31.75	RAA46,60-K5-V206	610.00	230	3	22.23	A24-R5-BFW	325.00
100	50	31.75	RAA46,60-K5-V206	800.00	230	5/7	22.23/15.88	FOUNDRY WHEEL	350.00
15.VITRIFIED SGMENTS					300	3	25.4	A24-R5-BFW	626.00
150	80	25	AA24,36,46	526.00	350	3	25.4	A24-R5-BFW	756.00
16.GREEN SILICON CARBIDE WHEEL 'VG'BOND (GC)					400	3/4	25.4	A24-R5-BFW	1070.00
150	3/6	31.75	GC60,120	1250.00	500	5	40	A30-R5-BFW	1762.00
150	13	31.75	GC60	870.00	105	1/1.5	16	SLEEK	43.00
150	13	31.75	GC120	960.00	105	2	16	SLEEK	46.00
150	20	31.75	GC60,120	960.00	105	1	16	TEZZ	33.00
150	25	31.75	GC60,120	1130.00	105	1	16	DYNOZ	19.00
180	13	31.75	GC60	912.00	100	3	12.7/16	SAMURAI	70.00
200	20	31.75	GC60,120	1580.00	125	1	22.23	TEZZ	44.00
200	25	31.75	GC100	1716.00	125	3	22.23	SAMURAI	98.00
200	25	31.75	GC60,80,120	1716.00	180	3	22.23	GUN/SAMURAI	147.00
250	25	31.75	GC60,80	3225.00	180	3/4	22.23	A24-SPARK	155.00
250	25	31.75	GC120	3864.00	230	3	22.23	A24-SPARK	290.00
300	25	50.8	GC60	5055.00	300	3	25.4	A24-SPARK	562.00
300	25	50.8	GC120,80,L.B.	5710.00	350	3	25.4	A24,A30-SPARK	677.00
300	40	50.8	GC60	7015.00	400	3/4	25.4	A24,A30-SPARK	987.00
300	40	50.8	GC120	10910.00	20. PLAIN CUT OFF WHEELS ALUMINIUM OXIDE				
17.GREEN BLACK SILICON CARBIDE "CGC" BOND					100	1.5/0.8	12.7	A80-PBN	111.00
150	6	31.75	TIP G-120	720.00	100	3	12.7	A80-PBN	105.00
150	13	31.75	TIP G-60	745.00	150	0.8/1	31.75	A60,80-PBN	137.00
150	13	31.75	TIP G-120	820.00	150	1.5	31.75	A60-PBN	93.00
150	20	31.75	CGC60,80	715.00	150	3	31.75	A60-PBN	156.00
150	25	31.75	CGC60	832.00	200	1.5	31.75	A60-PBN	117.00
200	20	31.75	CGC60	1060.00	300	3	25.4	CHOPSAW	210.00
200	25	31.75	CGC60,80,100,120	1080.00	350	3	25.4	CHOPSAW/HI-CUT	224.00
250	25	31.75	CGC60,80	2565.00	350	3	25.4	TEZZ/GREEN	224.00
300	40	50.08	CGC60	5320	21. RESINOID BONDED WHEELS				
18. BLACK SILICON CARBIDE WHEEL (VVR-VG)					50	10	10/7.94	A46-R5-BM4	123.00
100	25	NOBORE	C60	345.00	100	20	15.88/12.7	A163-R2-BM4	245.00
150	20	31.75	C24-S5-VVR	762.00	150	13	15.88	A163-R2-BM4	350.00
150	25	31.75	C24-S5-VVR	930.00	150	25	15.88	A163-R2-BM4	434.00
300	25	101.4	C463-L5-VG	3845.00	200	25	15.88	A163-R2-BM4	878.00





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DIA	TH	HOLE	GRADING	EACH/RS.	26. TORRSTEEL MOUNTED POINT					
300	25	25.4	A163-R2-BM4	2300.00	<u>13MM</u>	<u>16MM</u>	<u>20MM</u>	<u>30MM</u>	<u>40MM</u>	<u>50MM</u>
300	40	31.75/38	A163-R2-BM4	2320.00	30.00	32.00	32.00	35.00	48.00	73.00
300	40	31.75/38	A163 SAMURAI	2030.00	27. 'W' SERIES MOUNTED POINT					
300	40	31.75/38	A145 SAMURAI	2030.00	<u>W-144</u>	<u>W-146</u>	<u>W-152</u>	<u>W-153</u>	<u>W-154</u>	<u>W-160</u>
400	50	152.4	HI-TECH	16532.00	28.00	28.00	28.00	28.00	28.00	28.00
400	65	152.4	A163-R2-BM4	6342.00	<u>W-162</u>	<u>W-163</u>	<u>W-164</u>	<u>W-170</u>	<u>W-174</u>	<u>W-175</u>
400	65	152.4	A145	5250.00	28.00	28.00	28.00	30.00	30.00	30.00
200	10	31.75	A60-PBNX	415.00	<u>W-176</u>	<u>W-177</u>	<u>W-178</u>	<u>W-179</u>	<u>W-185</u>	<u>W-186</u>
22.DEPRESSED CENTRE WHEELS (D.C)					30.00	30.00	36.00	39.00	40.00	41.00
100	4	16	A36 HI-CUT	120.00	<u>W-187</u>	<u>W-188</u>	<u>W-195</u>	<u>W-196</u>	<u>W-197</u>	<u>W-205</u>
100	4	16	SAMURAI	53.00	43.00	47.00	43.00	44.00	52.00	45.00
100	6	16	A36 HI-CUT	127.00	<u>W-208</u>	<u>W-215</u>	<u>W-220</u>	<u>W-225</u>	<u>W-227</u>	<u>W-235</u>
100	6	16	SAMURAI	70.00	57.00	43.00	44.00	34.00	36.00	48.00
125	5/7	22.23	A36 HI-CUT	181.00	<u>W-236</u>	<u>W-242</u>	<u>"B"SERIES MOUNTED POINT</u>			EACH
125	6	22.23	SAMURAI	115.00	49.00	57.00	35.00			
180	5/7	22.23	HI-CUT	208.00	28. SILICON CARBIDE FINISHED STICK					
180	5/7	22.23	AGNI	190.00	<u>SIZE</u>	<u>SQ</u>	<u>TRI</u>	<u>HRD</u>	<u>RD</u>	
180	6	22.23	SAMURAI	161.00	100X6	58.00	71.00	71.00	81.00	
180	7	22.23	SLEEK PLATINUM	173.00	100X10	58.00	71.00	71.00	81.00	
180	7	22.23	HI - CARB C24	272.00	100X13	58.00	71.00	71.00	81.00	
180	7	22.23	CUMIFLEX ZIRCON	368.00	150X6	80.00	88.00	88.00	101.00	
230	7	22.23	AGNI	317.00	150X10	86.00	94.00	94.00	101.00	
230	7	22.23	HI-CUT	369.00	150X13	88.00	94.00	94.00	107.00	
230	6.7	22.23	SAMURAI	226.00	150X20	177.00	177.00	177.00	177.00	
23. CONTROL WHEEL					150X25	203.00	203.00	203.00	203.00	
200	80	75	A80RR,RBS (120X10)	7660.00	29...LIST NO ITEM					
230	100	76.2	A80 RR	9620.00	LIST NO.814	C.M.EXC.C100				193.00
230	150	76.2	A80 RR	17340.00	LIST NO.814	C-100,46,60,80				193.00
300	150	127	A80 RR	30670.00	LIST NO.814	FINE				217.00
24. DRESSING STICK SQUIRE					LIST NO.814	EX.FINE				240.00
150	25	C20	55,VVR	178.00	LIST NO.222	EXC.C.M.				224.00
25. ALLUMINIUM OXIDE MOUNTED POINTS 'A' SERIES - COARES OR MEDIUM					LIST NO.222	FINE				248.00
<u>A-1</u>	<u>A-2</u>	<u>A-3</u>	<u>A-4</u>	<u>A-5</u>	LIST NO.222	EX.FINE				274.00
68.00	48.00	96.00	50.00	46.00	LIST NO.109	150X50X25				220.00
<u>A-11</u>	<u>A-12</u>	<u>A-13</u>	<u>A-14</u>	<u>A-15</u>	LIST NO.108	200X50X25				383.00
58.00	43.00	43.00	43.00	38.00	LIST NO.360	400 GMS EXC.C.M.F.				305.00
<u>A-21</u>	<u>A-24</u>	<u>A-25</u>	<u>A-26</u>	<u>A-31</u>	LIST NO.276	50 GMS COARSE/FINE				77.00
42.00	34.00	39.00	42.00	54.00	TERMS AND CONDITIONS :					
<u>A-32</u>	<u>A-34</u>	<u>A-36</u>	<u>A-37</u>	<u>A-38</u>	Delivery : Ex-our office, Ahmedabad, Packing forwarding extra, cartage will be charge extra from our office on to pay basis.					
43.00	48.00	54.00	43.00	47.00	Prices : 1. The prices are ex our office and GST extra as applicable.					
<u>A-39</u>	<u>A-40</u>				2. Prices are subject to our final confirmation and change without notice.					
47.00	65.00				3. Payment Cash / Cheque / DD / RTGS / NEFT with terms.					
					4. This cancel all our previous price lists.					
					5. Subject to Ahmedabad Jurisdiction only.					





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PRICE LIST EFFECTIVE FROM 18/07/2022						
CUMI - COATED						
1. EMERY CLOTH SHEETS "AJAX" BRAND BLUE DRILL (230X280)						
<u>GRIT</u>	<u>EX-COARSE</u>	<u>COARSE</u>	<u>MEDIUM</u>	<u>FINE</u>	<u>EX-FINE</u>	<u>SUP.FINE</u>
500 NOS	36=50	30=25	29=50	29=25	29=50	28=00
2. EMERY CLOTH SHEETS (CANNON BRAND) PLAIN WEAVE (230X280)						
<u>GRIT</u>	<u>36-40-COARSE</u>	<u>50-60-MEDIUM</u>	<u>80-100-120-FINE</u>	<u>150-180-220-EX-FINE</u>		
1 PCS RATE	21=00	20=00	19=00	18=00		
3. WATER PROOF PAPER SILICON CARBIDE "AJAX"BRAND (230X280)						
<u>GRIT</u>	<u>80</u>	<u>100</u>	<u>120</u>	<u>150</u>	<u>180</u>	<u>220</u>
1 PCS RATE	30=25	27=00	26=00	24=00	23=00	22=00
<u>GRIT</u>	<u>240-280</u>	<u>320-400</u>	<u>500</u>	<u>600-800-1000</u>	<u>1200-1500-2000</u>	
1 PCS RATE	22=00	21=00	22=00	26=00	34=00	
4. ALOXITE CLOTH SHEETS			HERMES SIC W.P.P. / ENGLISH POLISHING PAPERS			
<u>GRIT</u>	<u>60-80</u>	<u>120-150-320-400</u>	<u>1000-1200-1500-2000-2500</u>		<u>1/0,2/0,3/0,4/0,5/0</u>	
1 PCS RATE	103=00	99=00	126.00		126.00	
5. WARRIOR SIC W.P.P.PAPER			EMERY POLISHING PAPER			
<u>GRIT</u>	<u>80-120-150-180-220-320-400-600-800</u>		<u>GRIT</u>	<u>1/0</u>	<u>2/0,3/0,4/0,5/0</u>	
1 PCS RATE	19=00		1 PCS RATE	26=00	22=00	
6. EMERY CLOTH TAPE ROLL (BLUE DRILL) PER ROLL OF 50 MTRS. (AJAX/CONCORD)						
<u>GRIT</u>		<u>COARSE</u>	<u>MEDIUM</u>	<u>FINE</u>	<u>EX-FINE</u>	
25MM (1")		1155=00	960=00	1000=00	1030=00	
38MM (1 1/2")		1680=00	1400=00	1230=00	1300=00	
50MM (2")		2150=00	1780=00	1560=00	1660=00	
75MM (3")		3484=00	2885=00	2530=00	2580=00	
100MM (4")		4580=00	3800=00	3330=00	3385=00	
150MM (6")		6970=00	5775=00	5040=00	5160=00	
7. "AJAX" ALOXITE CLOTH TAPE ROLL OF 50 MTRS.						
<u>GRIT</u>	<u>36</u>	<u>60-80</u>	<u>100-120</u>	<u>150-180-220</u>	<u>320-400</u>	
38MM (1 1/2")	0.00	2285=00	2145=00	2100=00	2390=00	
50MM (2")	0.00	2900=00	2725=00	2685=00	2945=00	
150MM (6")	0.00	9030=00	8100=00	8065=00	8725=00	
8. "AJAX" ALOXITE [R.M.C.] CLOTH TAPE ROLL 50 MTRS						
<u>GRIT</u>	<u>36</u>	<u>60-80</u>	<u>100-120</u>	<u>150-180-220</u>	<u>320-400</u>	
25MM (1")	-	1400=00	1196=00	1175=00	1400=00	
38MM (1 1/2")	2465=00	1985=00	1700=00	1700=00	1850=00	
50MM (2")	3140=00	2430=00	2085=00	2065=00	2240=00	
75MM (3")	4470=00	3450=00	2980=00	2945=00	3235=00	
100MM (4")	5700=00	4635=00	3900=00	3930=00	4290=00	
150MM (6")	8525=00	6900=00	5940=00	5900=00	6425=00	
9. CONCORD HAND SANDER ROLL 50MTRS / SAND MASTER						
<u>GRIT</u>		<u>50-60</u>	<u>80-100-120</u>			
38MM (1 1/2")		1130=00	1025=00			
75MM (3")		2050=00	1846=00			
100MM (4") (SAND MASTER)		3150=00	2825=00			
10. ALOXITE/RMC CLOTH BELTS (PRICE PER BELT)						
<u>IN MM</u>	<u>IN INCH</u>	<u>GRIT</u>	<u>36</u>	<u>60-80</u>	<u>120</u>	<u>220-320-400</u>
150X1220	6"X48"	RATE	230=00	214=00	198=00	208=00





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11. ALOXITE RESIN CLOTH BELTS (PRICE PER BELT) "AJAX"/"JAWAN"						
<u>IN MM</u>	<u>IN INCH</u>	<u>36</u>	<u>60-80</u>	<u>120</u>	<u>220</u>	<u>320-400</u>
50X2000	2"X80"	172=00	160=00	140=00	140=00	140=00
150X1220	6"X48"	352=00	355=00	320=00	326=00	326=00
12. ALOXITE RESIN SANDER DISC "ALFA" SUPREME / CUTFAST / ZIRCON						
<u>PER</u>	<u>SIZE</u>	<u>24</u>	<u>36</u>	<u>60</u>	<u>80-120</u>	
EACH	100MM	50=00	41=00	41=00	39=00	
EACH	125MM	65=50	57=00	55=00	52=00	
EACH	180MM	130=00	113=00	108=00	104=00	
ZIRCON	180MM	146=00	130=00	120=00	110=00	
13. ALOXITE - R.M.C. CLOTH & RESIN PAPER DISC						
<u>PER</u>	<u>SIZE</u>	<u>36</u>	<u>60-80</u>	<u>120</u>		
EACH	10 " (254MM)	104=00	91=00	78=00		
EACH	14 " (350MM)	180=00	157=00	133=00		
14. ALO FLAP DISC TEZZ/DURACUT 100MM X 60MM GRIT 36-60-80-120 PRICE 56=00 PER NO.						
15."AJAX" "CUTFAST" BRAND / MOPS WHEEL / FLAP WHEEL						
<u>SIZE</u>	<u>36</u>	<u>60</u>	<u>80-120</u>	<u>150-180-220</u>	<u>320-400</u>	<u>600-800-1000</u>
100X25	0.00	333=00	342=00	404=00	450=00	-
150X25	0.00	545=00	603=00	656=00	732=00	-
150X50	0.00	715=00	785=00	848=00	918=00	-
200X25	0.00	990=00	1224=00	1255=00	1420=00	-
200X50	0.00	1836=00	1785=00	2122=00	2375=00	-
350X50X181 NDF	-	3560=00	3875=00	4280=00	4700=00	4700=00
20X25 & 25X25	-	103=00	119=00	128=00	143=00	-
40X25	-	133=00	145=00	161=00	182=00	-
50X25	-	160=00	179=00	192=00	218=00	-
60X25	-	184=00	200=00	222=00	250=00	-
80X25	-	210=00	230=00	256=00	283=00	-
16. CUMITEX NON-WOVEN ABRASIVES PADS						
<u>GRIT</u>	<u>ALO MEDIUM (TEN)</u>	<u>ALO FINE (DX13)</u>	<u>ALO VERY FINE GOLD (RED)</u>			
RATE	260=00	37=00	58=00			
17. NON-WOVEN ALO VERY FINE ROLL 20 MTERS				RS.5000=00		
NON-WOVEN ALO MEDIUM ROLL 20 METERS				RS.13600=00		
18. CUMI UNITISED WHEEL "CUMITEX" GREY / RED "CUMIFLEX"						
<u>GRIT</u>	<u>(V SOFT) 1SVF</u>	<u>(SOFT) 3 SVF</u>	<u>(HARD) 5 SVF</u>	<u>(V HARD) 8 SVF</u>		
150X25X16	248=00	288=00	404=00	517=00		
150X50X16	480=00	580=00	805=00	1038=00		
200X25X16	424=00	517=00	718=00	940=00		
200X50X16	838=00	1038=00	1448=00	1872=00		
19. CUMI UNITIED RED DISC						
<u>GRIT</u>	<u>1 SVF</u>	<u>3 SVF</u>	<u>5 SVF</u>	<u>8 SVF</u>		
100X13	97=00	112=00	118=00	125=00		
20. CUMI GRADE						
<u>GRADE</u>	<u>EX-COARSE</u>	<u>COARSE</u>	<u>MEDIUM</u>	<u>FINE</u>	<u>EX-FINE</u>	<u>SUP.FINE</u>
RATE	24-30	36-40	50-60	80-100-120	150-180	220-320
TERMS AND CONDITIONS : Delivery : Ex-our office, Ahmedabad, Packing forwarding extra, cartage will be charge extra from our office on to pay basis. Prices : (1) The prices are ex our office and GST extra as applicable. (2) Prices are subject to our final confirmation and change without notice. (3) Payment Cash / Cheque / DD / RTGS / NEFT with terms. (4) This cancel all our previous price lists. (5) Subject to Ahmedabad Jurisdiction only.						



RUNIV ENGINEERS PVT. LTD.

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SUNNER INDIA

PRICE LIST EFFECTIVE FROM 16/05/2022

SUNNER INDIA FLEXIBLE SHAFT MACHINES

DESCRIPTION OF F.S. MACHINE SET WITH / SHAFT / TOOL HOLDER / YOKE & BASE

MOTOR	PHASE	H.P.	RPM	SHAFT	T.H.	PRICE RS.
ROTO FAS U75	SINGLE	0.75	12000	10 x 1500	F.H. 10N	36000-00
ROTO FAS 100	THREE	1.00	12000	10 x 1500	F.H. 10N	34000-00
ROTO FAS 150	THREE	1.50	12000	10 x 1500	F.H. 10N	39700-00
ROBO FAS	THREE	2.50	12000	10 x 1500	F.H. 10N	43000-00
ROTO FINISH U75	SINGLE	0.75	8000	10 x 1500	F.H. 10N	36000-00
ROTO FINISH 100	THREE	1.00	8000	10 x 1500	F.H. 10N	35000-00
ROTO FINISH 150	THREE	1.50	8000	10 x 1500	F.H. 10N	39700-00
ROBO FINISH	THREE	2.50	8000	10 x 1500	F.H. 10N	43000-00
ROTO FETTL 150	THREE	1.50	5800	15 x 2000	W.H. 15	40850-00
ROBO FETTL	THREE	2.50	5800	15 x 2000	W.H. 15	46900-00
ROTO FLEX U75	SINGLE	0.75	2800	12 x 2000	W.S. 10	27400-00
ROTO FLEX 100	THREE	1.00	2800	12 x 2000	W.S. 10	25900-00
ROTO FLEX 150	THREE	1.50	2800	12 x 2000	W.H. 15	30450-00
ROBO FLEX	THREE	2.50	2800	12 x 2000	W.H. 15	32100-00
ROTO FERA 7 SPEED	THREE	1.00	580 to 12000	10 x 1500	F.H. 10N	46800-00
ROTO TRIO 3 SPEED	THREE	1.00	5700 to 12000	10 x 1500	F.H. 10N	40400-00
ROTO 128 2 SPEED	THREE	1.00	12000, 8000	10 x 1500	F.H. 10N	37900-00
ROTO 573 2 SPEED	THREE	1.00	5700, 3200	12 x 2000	W.S. 10	38300-00
ROTO TETRA 4 SPEED	THREE	1.00	12000, 8000	12 x 2000	W.S. 10	42600-00

SUNNER INDIA SPARE ASSEMBLIES AND INNER

DESCRIPTION	ASSEMBLY PRICE RS.	INNER PRICE RS.
15 X 3000 MS SHAFT	5700-00	2220-00
15 X 2000 MS SHAFT	4200-00	1880-00
15 X 1500 MS SHAFT	3900-00	1800-00
12 X 3000/10 MS SHAFT	4600-00	2000-00
12 X 2000/10 MS SHAFT	3500-00	1730-00
12 X 1500/10 MS SHAFT	3150-00	1650-00
10 X 2000 MS SHAFT	3000-00	1300-00
10 X 1500 MS SHAFT	2550-00	1230-00
10 X 2000 RB SHAFT	3900-00	1300-00
12 X 2000 RB SHAFT	4400-00	1730-00
15 X 1500 RB SHAFT	4900-00	1800-00
15 X 2000 RB SHAFT	5350-00	1880-00
15 X 3000 RB SHAFT	7300-00	2220-00

SUNNER INDIA TOLL HOLDERS

DESCRIPTION	PRICE RS.
FH 10N	2376-00
WS 10	2100-00
WH 15	2700-00
RAA 15	9600-00

SUNNER INDIA ACCESSOREIS

DESCRIPTION	PRICE RS.
6.0mm/6.35mm COLLECT	370-00
COLLECT NUT	190-00
STOP SPRING & BUTTON	66-00
TOMMY BAR	120-00
MOUNTED POINT SOCKET	480-00



PRICE LIST 0522

HAMMER DRILLS | CARBIDE TIPPED DRILLS | MASONRY DRILLS
H-SERIES DRILLS | HATHYAR TOOL BITS | ANNULAR CUTTERS
ENGINEERS FILES | CIRCULAR SAW BLADE | ABRASIVES



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62/63, MIDC Industrial Area,
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Tel. : (0253) 2350320 / 21,
E-mail : itmnsk@indiantool.com

AURANGABAD UNIT

B-15/3, MIDC Industrial Area,
Waluj, Aurangabad - 431 133.
Tel.: (0240) 2564056 / 57
E-mail : itmagb@indiantool.com

- This Price List subject to alteration without prior notice and the prices are based on the present input costs.
- Prices given in this price list are for standard products and base prices only. Taxes are extra as applicable.
- The prices are for delivery on F.O.R. Destination.
- This price list effective from **15/05/2022 & supersedes all previous price lists.**

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• **Customer Care No.:** 0253 - 2352315

• **E-mail :** customercare@indiantool.com

SDS PLUS HAMMER DRILLS

Hammer Drills are new series of product from ITM's product range. These drills have unique point geometry for better penetration and work at higher cutting Parameters.

Salient Features :

- Premium Quality Carbide Tips
- High Quality Steel Body
- Ergonomic Design
- Operates at High Speeds

Advantages :

- High Resistance to Shock Loads
- Highly Durable Tools
- Sustain at High Hammering Action
- High Removal Rate of Powder dust from Work area
- Less load on machine
- Higher Productivity

Application :

- These drills are widely used at Construction work, Concrete, Clinker Bricks (Furnace Bricks) and Stones etc.,

Size Range :

Metric : Dia. 4 mm – 16 mm

HAMMER DRILLS

SIZE MM Diameter x Overall Length	PRICE (RS.) EACH	
	FLAT TIP	CROSS TIP
4 x 110	67	-
5 x 110	67	-
5 x 160	76	-
5.5 x 110	67	-
5.5 x 160	76	-
6 x 110	67	87
6 x 160	76	100
6 x 210	-	148
6.5 x 110	69	89
6.5 x 160	81	103
8 x 110	81	97
8 x 160	89	117
8 x 210	-	158
8 x 260	-	174
10 x 110	91	131
10 x 160	99	143
10 x 210	111	172
10 x 260	135	194
10 x 310	-	226
12 x 160	125	159
12 x 210	135	188
12 x 260	154	208
12 x 310	182	237
12 x 350	-	259
13 x 160	135	-
13 x 210	162	-
13 x 260	182	-

SIZE MM Diameter x Overall Length	PRICE (RS.) EACH	
	FLAT TIP	CROSS TIP
13 x 310	223	-
14 x 160	144	214
14 x 210	195	234
14 x 260	223	268
14 x 310	254	306
14 x 350	-	338
16 x 160	221	226
16 x 210	264	278
16 x 260	292	305
16 x 310	354	361
16 x 350	-	378
18 x 210	-	328
18 x 260	-	382
18 x 310	-	459
18 x 350	-	475
20 x 260	-	448
20 x 310	-	551
20 x 350	-	572
20 x 400	-	635
22 x 310	-	635
22 x 350	-	714
22 x 400	-	777
25 x 260	-	670
25 x 310	-	756
25 x 350	-	819
25 x 400	-	929
25 x 450	-	1008

CARBIDE TIPPED DRILLS

Carbide Tipped Drills are made out of highest quality of "Carbide Tips". These CT drills are manufactured on our latest CNC Machines, with special geometry to give better performance. The Carbide Tipped are brazed by special process to ensure the better fitment to ensure faster, effective, correct drilling of hole sizes with highest finish.

Advantages :

- Better suitable for Abrasive materials
- Highly Durable Tools
- Accurate Hole Size and Finish.
- Substitute for Solid Carbide Drills
- Higher Productivity

Application :

✓ These drills are used at Brake Lines, Foundry Industry, Composite materials and general Applications.

Size Range :

- ✓ Metric: 4 mm – 13 mm
- ✓ Inch: 11/64" – 1/2"

CARBIDE TIPPED STRAIGHT SHANK TWIST DRILLS

SIZE MM	SIZE INCH	PRICE (RS.) EACH
4.00		710
	11/64	710
4.50		710
	3/16	775
5.00		775
	13/64	775
5.50		785
	7/32	785
	15/64	827
6.00		827
	1/4	841
6.50		841
	17/64	856
7.00		909
	9/32	909
7.50		932
	19/64	932
	5/16	932
8.00		932
	21/64	961

SIZE MM	SIZE INCH	PRICE (RS.) EACH
8.50		961
	11/32	993
9.00		993
	23/64	1061
9.50		1061
	3/8	1067
	25/64	1067
10.00		1067
	13/32	1156
10.50		1156
	27/64	1171
11.00		1171
	7/16	1216
11.50		1216
	29/64	1216
	15/32	1312
12.00		1312
	31/64	1458
	1/2	1458
13.00		1458



MASONRY DRILLS CARBIDE TIPPED

Masonry Drills are manufactured with "Special Carbide Tips" to give better productivity, performance, with desired hole size. Drills are manufactured on Alloy steel having smooth ground flutes, with bright finish. The Carbide Tipped are brazed by special process to ensure the better fitment to ensure faster, effective, correct drilling of hole sizes with optimum costing.

Application :

- These drills are used for drilling on building construction materials like Concrete, Stone work, Bricks, Tiles, Slate, Marble, Granites etc.,

Size Range :

- Metric: 3 mm – 13 mm
- Inch: 1/8" – 1/2"

MASONRY DRILLS

SIZE		FLUTE LENGTH	OVER ALL LENGTH	PRICE (Rs) EACH	
MM	INCH			Standard	Deluxe
3	1/8 ★	40	76	66	75
4	5/32	45	85	79	89
5	3/16 ★	45	87	89	98
5.5	7/32 ★	45	87	106	117
6	15/64	60	107	117	129
6.5	1/4 ★	60	107	106	117
7	9/32	60	107	206	224

SIZE		FLUTE LENGTH	OVER ALL LENGTH	PRICE (Rs) EACH	
MM	INCH			Standard	Deluxe
8	5/16	80	120	181	200
9	11/32	80	120	239	263
10	3/8 ★	80	120	212	235
11	7/16	115	160	299	329
12	15/32	115	160	265	292
13	1/2	115	160	265	292

ITEMS MARKED ★ ARE EX-STOCK.



H - SERIES DRILL

FEATURES : • Manufactured from HSS- M2 Grade Steel • Special Geometry on Drill provides Effective Swarf Evacuation
• Superior Heat Treatment Process • Scope to Cover Various Drilling Applications • Value For Money Product

SIZE RANGE : 1.0mm to 13.0mm (Metric)
: 3/64" to 1/2" (Imperial)

APPLICATION : Suitable for General Purpose Drilling Application

PARALLEL SHANK JOBBER DRILL H - SERIES

SIZE MM	INCH	Price (Rs.) 10 Nos.	SIZE MM	INCH	Price (Rs.) 10 Nos.	SIZE MM	INCH	Price (Rs.) 10 Nos.
1.00	-	460	5.00	-	1530	9.00	-	4940
1.10	-	460	5.10	-	1530	9.10	-	5550
1.19	3/64	460	5.16	13/64	1530	9.13	23/64	5550
1.20	-	460	5.20	-	1530	9.20	-	5550
1.30	-	460	5.30	-	1750	9.30	-	5550
1.40	-	460	5.40	-	1750	9.40	-	5550
1.50	-	460	5.50	-	1750	9.50	-	5550
1.59	1/16	490	5.56	7/32	1880	9.52	3/8	6860
1.60	-	490	5.60	-	1750	9.60	-	6400
1.70	-	490	5.70	-	1940	9.70	-	6400
1.80	-	490	5.80	-	1940	9.80	-	6400
1.90	-	490	5.90	-	1940	9.90	-	6420
1.98	5/64	490	5.95	15/64	1940	9.92	25/64	6420
2.00	-	490	6.00	-	1940	10.00	-	6420
2.10	-	490	6.10	-	2150	10.10	-	7250
2.20	-	490	6.20	-	2150	10.20	-	7250
2.30	-	500	6.30	-	2180	10.30	-	7300
2.38	3/32	500	6.35	1/4	2180	10.32	13/32	7300
2.40	-	500	6.40	-	2180	10.40	-	7300
2.50	-	500	6.50	-	2740	10.50	-	7350
2.60	-	525	6.60	-	2740	10.60	-	8350
2.70	-	525	6.70	-	2740	10.70	-	8350
2.78	7/64	525	6.75	17/64	2740	10.72	27/64	8350
2.80	-	525	6.80	-	2740	10.80	-	8350
2.90	-	525	6.90	-	2970	10.90	-	8350
3.00	-	535	7.00	-	2970	11.00	-	8350
3.10	-	640	7.10	-	3150	11.10	-	9100
3.17	1/8	640	7.14	9/32	3250	11.11	7/16	9050
3.20	-	710	7.20	-	3210	11.20	-	9100
3.30	-	710	7.30	-	3210	11.30	-	9100
3.40	-	710	7.40	-	3210	11.40	-	9100
3.50	-	710	7.50	-	3210	11.50	-	9100
3.57	9/64	900	7.54	19/64	3575	11.51	29/64	9100
3.60	-	890	7.60	-	3670	11.60	-	10200
3.70	-	960	7.70	-	3600	11.70	-	10200
3.80	-	960	7.80	-	3600	11.80	-	10200
3.90	-	960	7.90	-	3600	11.90	-	10200
3.97	5/32	940	7.94	5/16	3810	11.91	15/32	10300
4.00	-	940	8.00	-	4300	12.00	-	10200
4.10	-	1140	8.10	-	4300	12.10	-	10900
4.20	-	1140	8.20	-	4300	12.20	-	10900
4.30	-	1140	8.30	-	4480	12.30	31/64	11100
4.37	11/64	1160	8.33	21/64	4480	12.40	-	10900
4.40	-	1160	8.40	-	4960	12.50	-	10900
4.50	-	1410	8.50	-	4690	12.60	-	11700
4.60	-	1410	8.60	-	4690	12.70	1/2	11900
4.70	-	1410	8.70	-	4690	12.80	-	11800
4.76	-	1410	8.73	11/32	5050	12.90	-	11800
4.80	-	1480	8.80	-	4940	13.00	-	11800
4.90	-	1520	8.90	-	4940			



H - SERIES DRILL SET

H-SERIES DRILL SET	NO. OF TEETH	LIST PRICE EACH
1 mm to 13 mm (steps of 0.5 mm)	25 Pcs	11614
1 mm to 13 mm (steps of 1 mm)	13 Pcs	6466
1/16 to 1/2"	29 Pcs	14130
1/16 to 1/4"	13 Pcs	2330

TOOL BITS



ITM Square Tools Bits are manufactured with finest grades of HSS Materials. These Tools bits are manufactured on Special Atomized machines to get highest quality of surface finish for better productivity. We will maintain better controlled hardness for highest productivity. ITM Tool Bits are provided with 15° bevel angle for easy edge grinding preparation.

- Hathyar -500 – Suitable for Free Cutting Materials
- Hathyar -600 – Suitable for General Machining Applications
- Hathyar -900 – Suitable for Difficult to Cut materials like SS, Hard Materials
- Hathyar -1000 – Suitable for Difficult to Cut materials like Nickel and Chromium etc.,

Size Range : ✓ Metric: 5.0 mm – 25.0 Mm
✓ Inch: 3/16" – 1"

HATHYAAR TOOL BITS

SQUARE SIZE IN INCH	CORRESPONDING SIZE MM	PRICE (Rs.) EACH			
		HSS	HSS M2	HSS T42 10% Cobalt	HSS T42 10% Cobalt Cryogenic
		500	600	900	1000
3/16 x 3	5 x 75	131	131	336	
3/16 x 4	5 x 100	171	171	493	
3/16 x 6	5 x 150	266	266	1044	
1/4 x 3	6 x 75	149	149	450	
1/4 x 4	6 x 100	173	173	601 ★	607 ★
1/4 x 6	6 x 150	251 ★	251 ★	977 ★	985 ★
1/4 x 8	6 x 200	360	360	1668	
5/16 x 3	8 x 75	166	166	581	
5/16 x 4	8 x 100	211	211	794	
5/16 x 6	8 x 150	355	355	1280 ★	1292 ★
5/16 x 8	8 x 200	451	451	1820	
3/8 x 3		207 ★	207 ★	682 ★	726 ★
3/8 x 4		251 ★	251 ★	905 ★	977 ★
3/8 x 6		390 ★	390 ★	1457 ★	1572 ★
3/8 x 8		534 ★	534 ★	2083 ★	2207 ★
3/8 x 10		688	688	2754	
	10 x 75		230	753	
	10 x 100		274	1013	
	10 x 150		424	1585	
	10 x 200		591	2229	
	10 x 250		749	2943	
1/2 x 3	12 x 75	311	311	1118	
1/2 x 4	12 x 100	390 ★	390 ★	1460 ★	1551 ★
1/2 x 6	12 x 150	598	598	2300 ★	2398 ★
1/2 x 8	12 x 200	788	788	3211 ★	3343 ★
1/2 x 10	12 x 250	1197	1197	4424	
5/8 x 4	16 x 100	619	619	2342	
5/8 x 6	16 x 150	916	916	3613	3814
5/8 x 8	16 x 200	1239	1239	5072	
3/4 x 4		859	859	3386	
3/4 x 6		1256	1256	4979	5296
3/4 x 8		1716	1716	6826	
	20 x 100		937	3708	
	20 x 150		1367	5555	
	20 x 200		1869	7399	
1 x 6	25 x 150	2116	2116	8353	
1 x 8	25 x 200	2875	2875	11108	



Price of HSS M35 (5% Cobalt) and HSS M42 (8% Cobalt) will be given on only request.

1. Items marked ★ are Ex-stock, other sizes against specific orders.
2. Quantity to be ordered in multiple of 10 only for sizes upto and including 1/2" square.

ANNULAR CUTTERS

TUNGSTEN CATBIDE TIPPED (TCT) : TCT Annular Cutters are new series of product from ITM's product range. These cutters are manufactured on latest CNC Machines to get highest quality of Cutters. These cutters are used with Special Carbide Tips to give accurate Hole finish.

Advantages :

- No Pre Drilling & Step Drilling Required
- Burr Free Holes
- Required Less Thrust
- Less energy Peripheral Cutting
- Hole Finish Precise and Accurate

TCT ANNULAR CUTTERS

SIZE MM	PRICE (RS.) EACH			
	35 DOC	50 DOC	75 DOC	100 DOC
12	3920	4400	-	-
13	3920	4400	-	-
14	3920	4400	6980	-
15	3920	4400	6980	-
16	3920	4400	6980	-
17	3920	4400	6980	-
17.5	-	4400	-	-
18	3920	4400	6980	-
19	3920	4400	6980	-
20	3920	4400	6980	9300
21	3920	4400	6980	9300
21.5	-	4400	-	-
22	3920	4400	6980	9300
23	3920	4400	6980	9300
23.5	-	4400	-	-
24	3920	4400	6980	9300
25	3920	4400	6980	9300
26	4180	4650	7590	10350
27	4180	4650	7590	10350
28	4180	4650	7590	10350
29	4180	4650	7590	10350
30	4180	4650	7590	10350
31	5150	5880	9170	11900
32	5150	5880	9170	11900
33	5150	5880	9170	11900
34	5150	5880	9170	11900
35	5150	5880	9170	11900
36	5880	6730	10560	13750
37	5880	6730	10560	13750
38	5880	6730	10560	13750
39	5880	6730	10560	13750
40	5880	6730	10560	13750
41	6670	7590	12120	15500
42	6670	7590	12120	15500
43	6670	7590	12120	15500
44	6670	7590	12120	15500
45	6670	7590	12120	15500
50	7590	8740	14550	18480



ANNULAR CUTTERS

HSS ANNULAR CUTTER : HSS Annular Cutters are new series of product from ITM's product range. These cutters are manufactured on latest CNC Machines to get highest quality of Cutters. These cutter having special geometry to produce accurate hole finish.

Advantages :

- Increased Cutting Speed
- Minimize Tool Wear
- Better Alignment of Hole Axis
- Reduced Tooth Load
- Extended Tool Life

Application : TCT & HSS Annular Cutter

These cutters are widely used at Fabrication Industries, Tower Manufacturers, Railway Wagons etc.,

Size Range : TCT & HSS Annular Cutter :

Metric : Dia 12 mm to 50 mm

DOC 50 mm (Depth of Cut – DOC)

HSS - ANNULAR CUTTERS

SIZE MM	PRICE (RS.) EACH	
	25 DOC	50 DOC
12	1908	2544
13	1908	2544
14	2173	2734
15	2173	2714
16	2417	2968
17	2417	2968
18	2597	3148
19	2597	3148
20	2873	3551
21	2873	3551
22	3222	3869
23	3222	3869
24	3477	4388
25	3477	4388
26	3731	4558
27	3933	4664
28	3964	4876
29	4113	5141
30	4187	5353
31	4452	5459
32	4611	5618
33	4470	5883
34	4950	6148
35	5077	6466
36	5342	6784
37	5533	7208
38	5660	7473
39	5788	7685
40	5978	8056
41	6243	8374
42	6742	8692
43	7070	8904
44	7600	9222
45	7823	9734
50	9360	12137



ENGINEERS FILES

Dagger Brand Files are made from the finest file steel material on State of the art production line. Files are manufactured on unique hydro pneumatically controlled machines resulting uniform teeth geometry and consistent desired finish.

Types of Products :

● Machinist Files ● Saw Files ● Rasps Files ● Special Files ● Mill Files ● Needle Files ● Diamond Files.

Size Range :

- ✓ Metric: 100 mm-350 mm
- ✓ Inch: 4" -14 "

Shapes :

- ✓ Rectangle, Square, Round, Triangle, Half Round

Cuts :

- ✓ Single Cut, Double Cut, Bastard Cut, 2nd Cut, Smooth Cut and Rasp Cut
- ✓ Metric: 100 mm-350 mm

Application :

- Generally, all files are used for Burr Removal and Surface preparation.
- Saw File Files are used for Saw sharpening, agricultural applications

MACHINIST'S FILES

FLAT

Size MM	Size INCH	Bastard	Price	2nd Cut	Price	Smooth	Price
100	4	FLAT1001	2120	FLAT1002	2590	FLAT1003	2940
150	6	FLAT1501	2160	FLAT1502	2940	FLAT1503	3260
200	8	FLAT2001	2170	FLAT2002	3440	FLAT2003	3710
250	10	FLAT2501	2180	FLAT2502	3610	FLAT2503	4540
300	12	FLAT3001	3270	FLAT3002	5340	FLAT3003	5920
350	14	FLAT3501	7570	FLAT3502	7980	FLAT3503	8780

HAND

Size MM	Size INCH	Bastard	Price	2nd Cut	Price	Smooth	Price
100	4	HAND1001	2120	HAND1002	2590	HAND1003	2940
150	6	HAND1501	2160	HAND1502	2940	HAND1503	3260
200	8	HAND2001	2170	HAND2002	3440	HAND2003	3710
250	10	HAND2501	2180	HAND2502	3610	HAND2503	4540
300	12	HAND3001	3270	HAND3002	5340	HAND3003	5920
350	14	HAND3501	7570	HAND3502	7980	HAND3503	8780

THREE SQUARE

Size MM	Size INCH	Bastard	Price	2nd Cut	Price	Smooth	Price
100	4	3SQU1001	3210	3SQU1002	3440	3SQU1003	3560
150	6	3SQU1501	3420	3SQU1502	3580	3SQU1503	4000
200	8	3SQU2001	4520	3SQU2002	4790	3SQU2003	5100
250	10	3SQU2501	6060	3SQU2502	6410	3SQU2503	6880
300	12	3SQU3001	7660	3SQU3002	8040	3SQU3003	8460

SQUARE

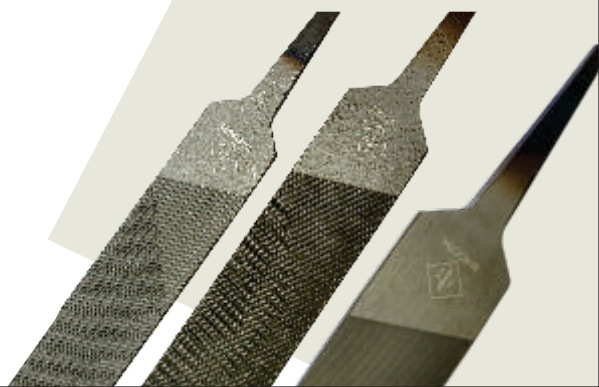
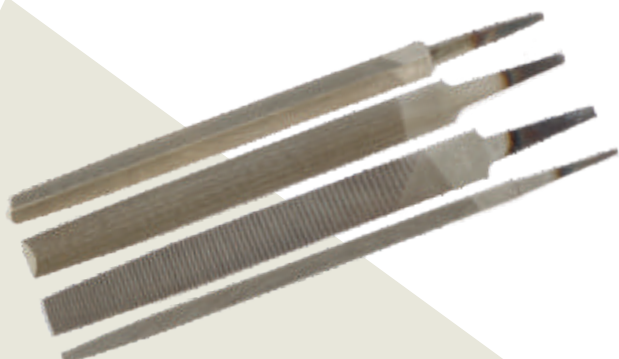
Size MM	Size INCH	Bastard	Price	2nd Cut	Price	Smooth	Price
100	4	SQU1001	3120	SQU1002	3290	SQU1003	3430
150	6	SQU1501	3340	SQU1502	3430	SQU1503	3610
200	8	SQU2001	3450	SQU2002	3610	SQU2003	4020
250	10	SQU2501	4610	SQU2502	4810	SQU2503	5160
300	12	SQU3001	5710	SQU3002	6070	SQU3003	6840

ROUND

Size MM	Size INCH	Bastard	Price	2nd Cut	Price	Smooth	Price
100	4	ROUN1001	2710	ROUN1002	3120	ROUN1003	3520
150	6	ROUN1501	3170	ROUN1502	3340	ROUN1503	3580
200	8	ROUN2001	3550	ROUN2002	3610	ROUN2003	4140
250	10	ROUN2501	4610	ROUN2502	4810	ROUN2503	5180
300	12	ROUN3001	5710	ROUN3002	6070	ROUN3003	6690
350	14	ROUN3501	9030	ROUN3502	8390	ROUN3503	9190

HALF ROUND

Size MM	Size INCH	Bastard	Price	2nd Cut	Price	Smooth	Price
100	4	HFPO1001	4000	HFPO1002	4320	HFPO1003	4510
150	6	HFPO1501	4440	HFPO1502	4740	HFPO1503	5090
200	8	HFPO2001	5640	HFPO2002	6230	HFPO2003	6630
250	10	HFPO2501	7180	HFPO2502	8420	HFPO2503	8870
300	12	HFPO3001	9680	HFPO3002	10120	HFPO3003	11010
350	14	HFPO3501	12090	HFPO3502	13090	HFPO3503	13830



ENGINEERS FILES

SAW FILES

HEAVY TAPER			REGULAR TAPER			SLIM TAPER		MILL FILES (TAPER)	
Size MM	2nd Cut	Price	2nd Cut	Price	2nd Cut	Price	Bastard	Price	
100	SAHE1002	660	SARE1002	660	SASL1002	690	-	-	
125	SAHE1252	950	SARE1252	950	SASL1252	810	-	-	
150	SAHE1502	1230	SARE1502	1230	SASL1502	860	MILL1501	1760	
200	SAHE2002	1760	SARE2002	1760	SASL2002	1410	MILL2001	1770	
250	-	-	-	-	-	-	MILL2501	1780	
300	-	-	-	-	-	-	MILL3001	2450	

FLAT HANDLE				
Size MM	Bastard	Price	2nd Cut	Price
250	FLHA2501	1780	FLHA2502	1780

FLAT SUPER LIGHT				
Size MM	Bastard	Price	2nd Cut	Price
250	FLSU2501	1750	FLSU2502	1760

WOOD FILES AND RASPS

FLAT RASP							
Size MM	Size INCH	Bastard	Price	2nd Cut	Price	Smooth	Price
150	6	FLRA1501	3430	FLRA1502	3450	FLRA1503	3580
200	8	FLRA2001	4650	FLRA2002	4790	FLRA2003	4980
250	10	FLRA2501	5460	FLRA2502	5840	FLRA2503	6110
300	12	FLRA3001	7050	FLRA3002	7470	FLRA3003	7980

HALF ROUND RASP							
Size MM	Size INCH	Bastard	Price	2nd Cut	Price	Smooth	Price
150	6	HFRA1501	4020	HFRA1502	4110	HFRA1503	4250
200	8	HFRA2001	5130	HFRA2002	5180	HFRA2003	5390
250	10	HFRA2501	6080	HFRA2502	6400	HFRA2503	6410
300	12	HFRA3001	7410	HFRA3002	8140	HFRA3003	8280

CABINET RASP					
Size MM	Size INCH	2nd Cut	Price	Smooth	Price
150	6	CARA1502	4110	CARA1503	4530
200	8	CARA2002	5390	CARA2003	6130
250	10	CARA2502	6420	CARA2503	7050
300	12	CARA3002	7890	CARA3003	9210

SPECIAL FILES

FLAT ALUMINIUM *			
Size MM	Size INCH	Bastard	Price
200	8	FLAL2001	2570
250	10	FLAL2501	2660
300	12	FLAL3001	3950

HALF ROUND ALUMINIUM *			
Size MM	Size INCH	Bastard	Price
200	8	ALUM2001	6130
250	10	ALUM2501	7770
300	12	ALUM3001	10700

NEEDLE FILES :

- ✓ Size Range: 140 mm and 160 mm

Applications :

- ✓ Needle Files are used at Tool Room Application, Die & Mould Industries and Ornament manufacturers

NEEDLE FILES (ALL CROSS SECTIONS)			
Size MM	Per 10 Nos *		Per 12 Nos **
	'0' Cut Price	'2' Cut Price	'0' or '2' Cut Price
140	2014	2014	2427
160	2176	2176	2610

- 3 Square
- Square
- Flat
- Round
- Half Round
- Knife

DIAMOND FILES :

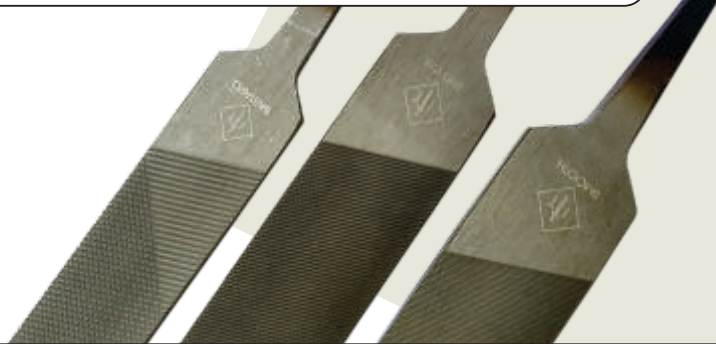
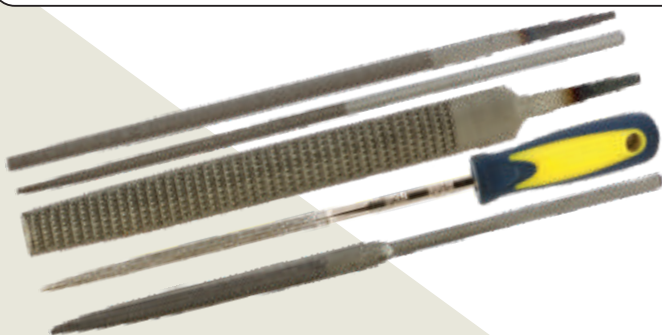
- ✓ Size Range: 140 mm and 160 mm

Applications :

- ✓ Diamond Files are used at Tool Room Application, Die & Mould Industries and Ornament manufacturers

DIAMOND COATED NEEDLE FILES (ALL CROSS SECTIONS)			
Size MM	Per 10 Nos *		Per 6 Nos **
	'0' Cut Price	'2' Cut Price	'0' or '2' Cut Price
140	7888	7888	4728
160	8165	8165	4901

TERMS & CONDITIONS : 1. Standard Packing : For sizes up to 250mm - 10 Nos. per packet * For sizes above 250mm - 5 Nos. per packet
2. Special Packing (Needle File) * Individual shapes are available in packets of 10 Nos. ** Assorted Six shapes are available in '0' & '2' Cut in packets of 12 Nos.





Birla Precision Technologies Ltd.
BIRLA DURO TOOL
(DIVISION)



QUALITY POLICY

We are committed to manufacture
Quality Cutting Tools by continual
improvements in process, by adapting our
skills, knowledge, innovation & creativity
by implementation of Quality systems
through involvement of all the employees.

We shall strive to achieve Customers' satisfaction
through continual improvements in

**“TIMELY DELIVERY OF QUALITY
PRODUCTS AND SERVICES.”**

A white, handwritten signature of Vedant Birla on a blue background.

VEDANT BIRLA
(Chairman & Managing Director)

Dealer