

# PCD & PCBN TOOLS

FOR MACHINING

ALUMINIUM, BRASS GRAPHITE, FIBER CARBON,  
EPOXY, KEVLAR, COMPOSITE MATERIAL,  
PLASTIC, WOOD ETC.

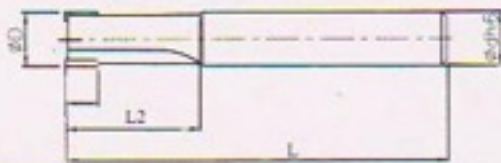


**UNIVERSAL Tools Inc.**

**Innovative Cutting Tools & Concepts**

F-2 BLOCK SHD 8, MIDC, PIMPRI, PUNE -411 018. (INDIA)  
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## UNIVERSAL PCD Reamer



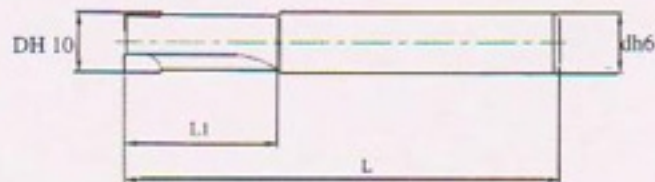
### GEOMETRY- 2 fluted Reamer for thro hole

ORDER NO	Dh7	d6	L2	L
100-0060	6	6	30	75
100-0080	8	8	30	80
100-0100	10	10	30	80
100-0120	12	12	40	100
100-0140	14	12	40	100
100-0160	16	16	40	100
100-0180	18	16	40	100
100-0200	20	20	50	130
100-0220	22	20	50	180
100-0240	24	20	50	150
100-0250	25	20	50	150

#### Also offered on request

- No of teeth 3/4 or more.
- Reamers for blind hole.
- Reamers with internal thro coolant .
- Intermediate sizes & extra long lengths.

## UNIVERSAL PCD End mills



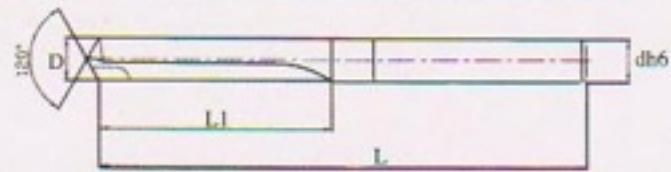
### GEOMETRY- 2 fluted

ORDER NO	dh6	L1	L
102-0080	8	8	60
102-0100	10	10	60
102-0120	12	12	60
102-0140	14	14	60
102-0160	16	16	80
102-0180	18	18	80
102-0200	20	20	80
102-0250	25	25	100
102-0320	32	32	100

#### Also Offered on Request

- No of teeth 3/4 or more.
- Center cutting.
- End mills with internal thro coolant .
- Intermediate sizes & extra long length.
- Longer cutting edge length.

## UNIVERSAL PCD Drills



### GEOMETRY- 2 fluted reamer for thro hole

ORDER NO	d1	d2	L1	L
101-0040	4.00	6.0	24	66
101-0042	4.20	6.0	24	66
101-0050	5.00	6.0	28	66
101-0060	6.00	6.0	28	66
101-0068	6.80	8.0	34	79
101-0070	7.00	8.0	34	79
101-0080	8.00	8.0	41	79
101-0085	8.50	10.0	47	89
101-0090	9.00	10.0	47	89
101-0100	10.00	10.0	47	89
101-0102	10.20	12.0	55	102
101-0105	10.50	12.0	55	102
101-0110	11.00	12.0	55	102
101-0120	12.00	12.0	55	102
101-0140	14.00	14.0	60	107
101-0160	16.00	16.0	65	115
101-0180	18.00	18.0	73	123
101-0200	20.00	20.0	79	131

#### Also offered on request

- No of teeth 3/4 or more.
- Step Drills.
- Drill with internal thro coolant .
- Intermediate sizes & extra long lengths.
- Drill cum counter sink/counter bores.

## OTHER PCD TOOLS

- REAMERS,
  - STEP REAMERS,
  - COMBINATION TOOL (SPL & STD),
  - INSERTS,
  - PROFILE CUTTERS,
  - END MILLS,
  - SLOT DRILLS,
  - BALL NOSE END MILL,
  - CORNER REDIUS END MILL,
  - ROUTERS,
  - WOOD TOOLS,
  - SCORING CUTTERS,
  - SPECIAL TOOLS. WEAR PARTS,
  - WEAR PART SUPPORT,
  - TREPPANING CUTTER,
  - FACE MILLING CUTTER,
  - BORING TOOL
  - GROOVING TOOLS
  - 'V' NOTCH CUTTERS,
  - SAWS PISTON
  - GROOVING TOOLS,
  - CIRCLIP TOOLS,
  - COMBINATION CUTTERS,
  - GROOVING CUTTERS,
  - CATRIDGE
  - SHELL ENDMILL
  - THREAD MILL
  - THREAD INSERTS
  - PORT TOOLS
  - CAVITY TOOLS
  - COUNTER SINK CUTTER WITH / W/O PILOT
- FOR MACHINING ALUMINIUM, BRASS GRAPHITE, FIBER CARBON, EPOXY, KEVLAR, COMPOSITE MATERIAL, PLASTIC WOOD ETC.