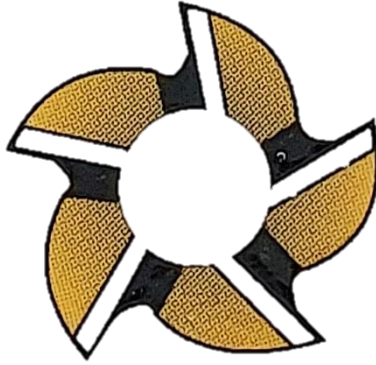




RAJA TOOLS

A-38, MIDC, Waluj, Aurangabad-431136(M.S) INDIA

Email: sales@rajatools.com, rajatools@rediffmail.com

www.rajatools.com



INTRODUCTION LETTER

We, **RAJA TOOLS** is please to introduce our-self as one of the leading manufacturer of **Carbide Tipped (Braze Carbide) & H.S.S. Cutting Tools in India.**

During our long innig, we have not only satisfied our customer's requirements for cutting tools but also designed & developed special tools for them, thereby drastically reducing the cost per piece & maintaining the quality standards.

As mentioned above we are specialized in developing Combination Tools for the **Components like: Crankshaft, Crankcase, Cylinder Head, Connecting Rod, Flywheels, Steering Arm, and Valve Tappets etc.** Some of the special Tools are as follows:

- **Drill Cum Reamer**
- **Hole Mill Cum Reamer**
- **Chamfer Cum Spot Face Cutter**
- **Reverse Spot Face Cutter**
- **Double Wood – Ruff Cutter**
- **Interlock Cutter, etc.**

And other special combination tools as per the combined operations in the component resulting in reducing Machining Time, Tool cost & Increase in Component Accuracy & Productivity. We are supplying our tools to the leading Automotive OEM's, Auto components Manufacturers and Defence Sectors in India.

To know more about our product range we request you to spare your few minutes at our website www.rajatools.com

We request you to please send us your requirements & call us for the discussion.

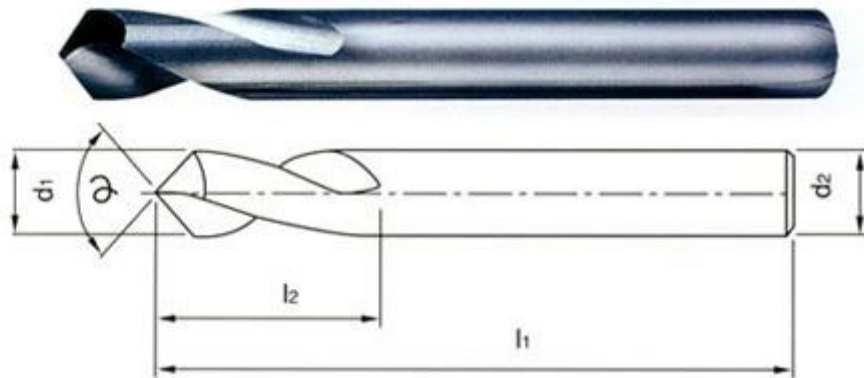
Best Wishes & Regards,

DILIP CHAUDHARI

Mobile No: +91 93710 03411

A. DRILLS

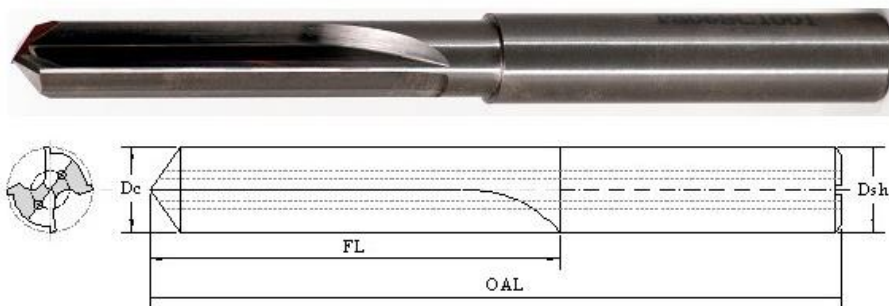
1. P. S. Twist Drill



NOTE:

- Diameter Range 5 and Above
- As per IS/DIN Standard
- Further Customized as per Customer Requirement

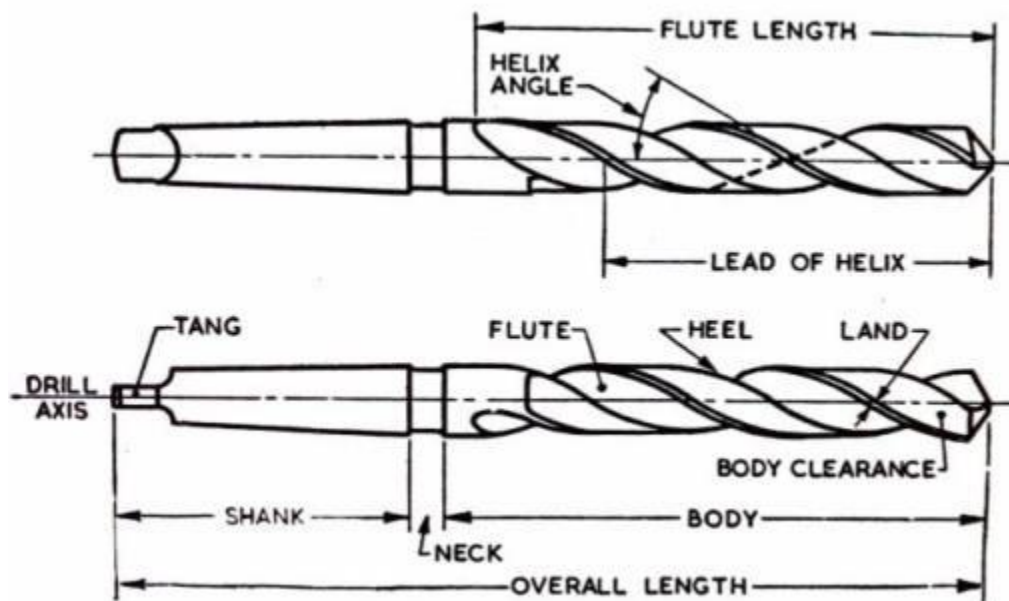
2. P.S. Burnishing Drill



NOTE:

- Diameter Range 5 and Above
- As per IS/DIN Standard
- Further Customized as per Customer Requirement

3. Taper Shank Extra Long Twist Drill

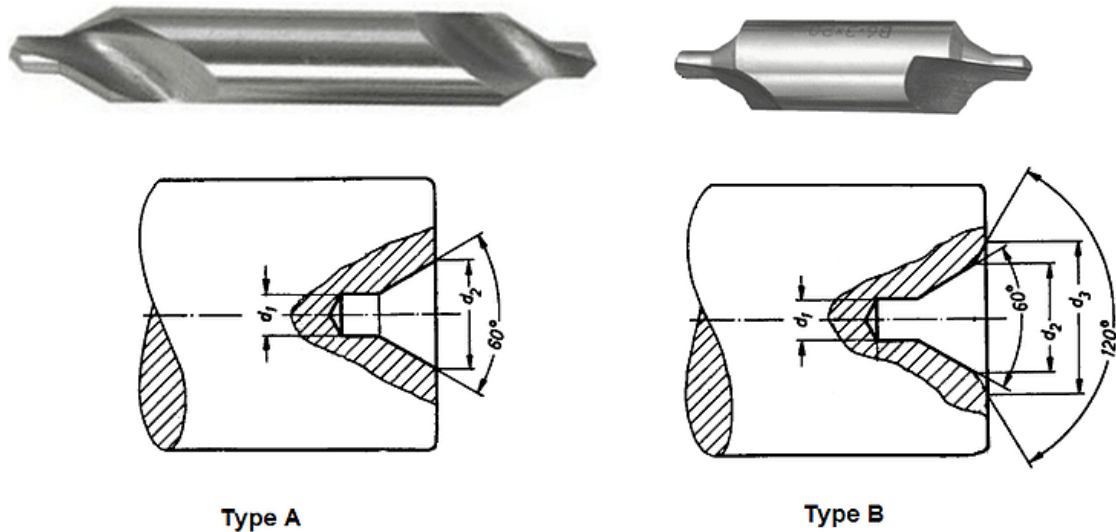


NOTE:

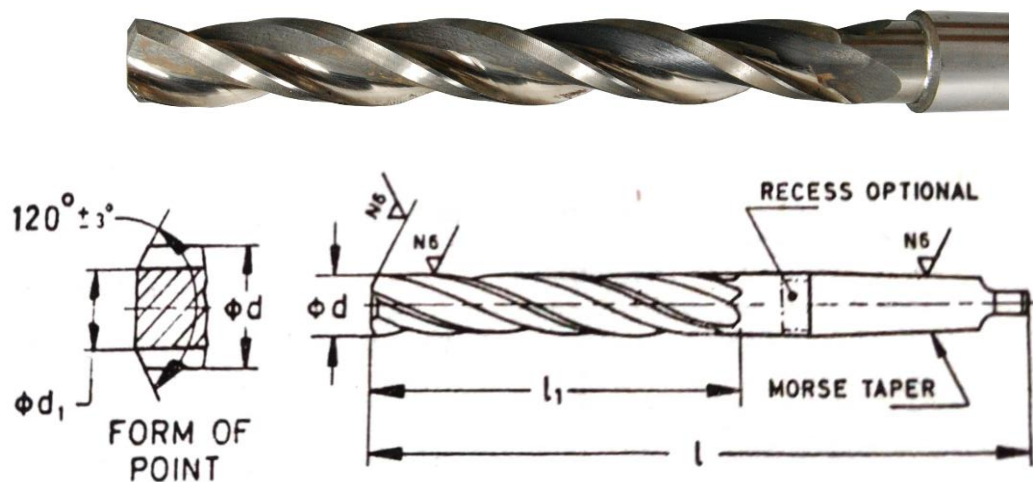
- Diameter Range Diameter 5 and Above
- Overall Length up to 900mm with closed concentricity
- As per IS/DIN Standard
- Further Customized as per Customer Requirement

4. Centre Drill

- Type-A and Type-B



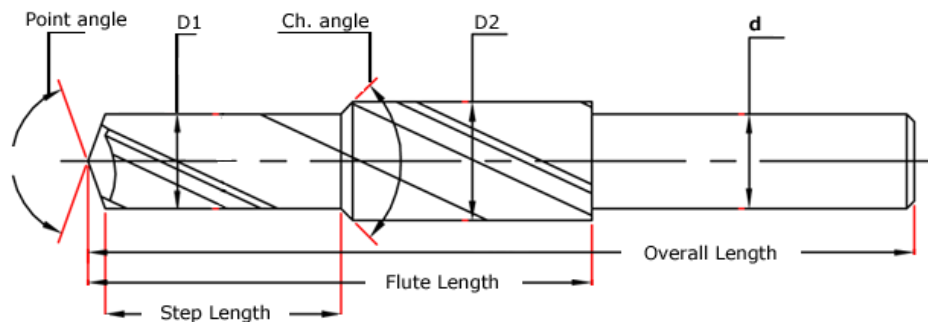
5. Parallel Shank / Taper Shank Core Drill



NOTE:

- Diameter Range 5 and Above
- As per IS/DIN Standard
- Further Customized as per Customer Requirement

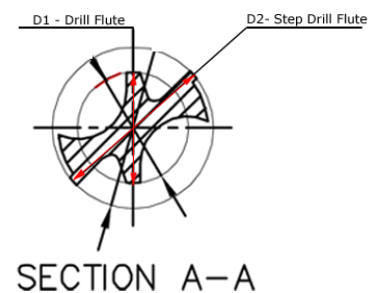
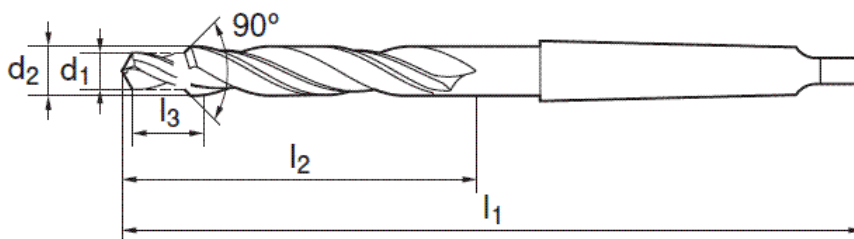
6. Step Drill



NOTE:

- Diameter Range 5 and Above
- As per IS/DIN Standard
- Further Customized as per Customer Requirement

7. Parallel Shank / Taper Shank Subland Drill



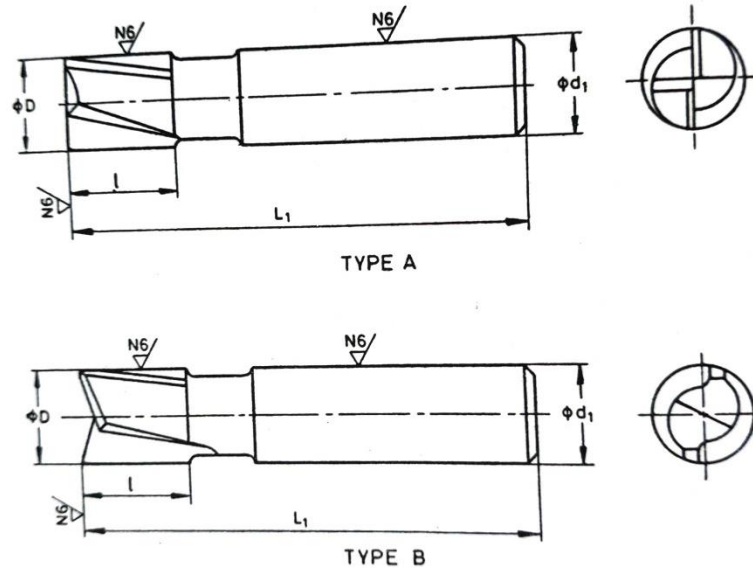
8. Double Margin Landed Drill



NOTE:

- Diameter Range 5 and Above
- As per IS/DIN Standard
- Further Customized as per Customer Requirement

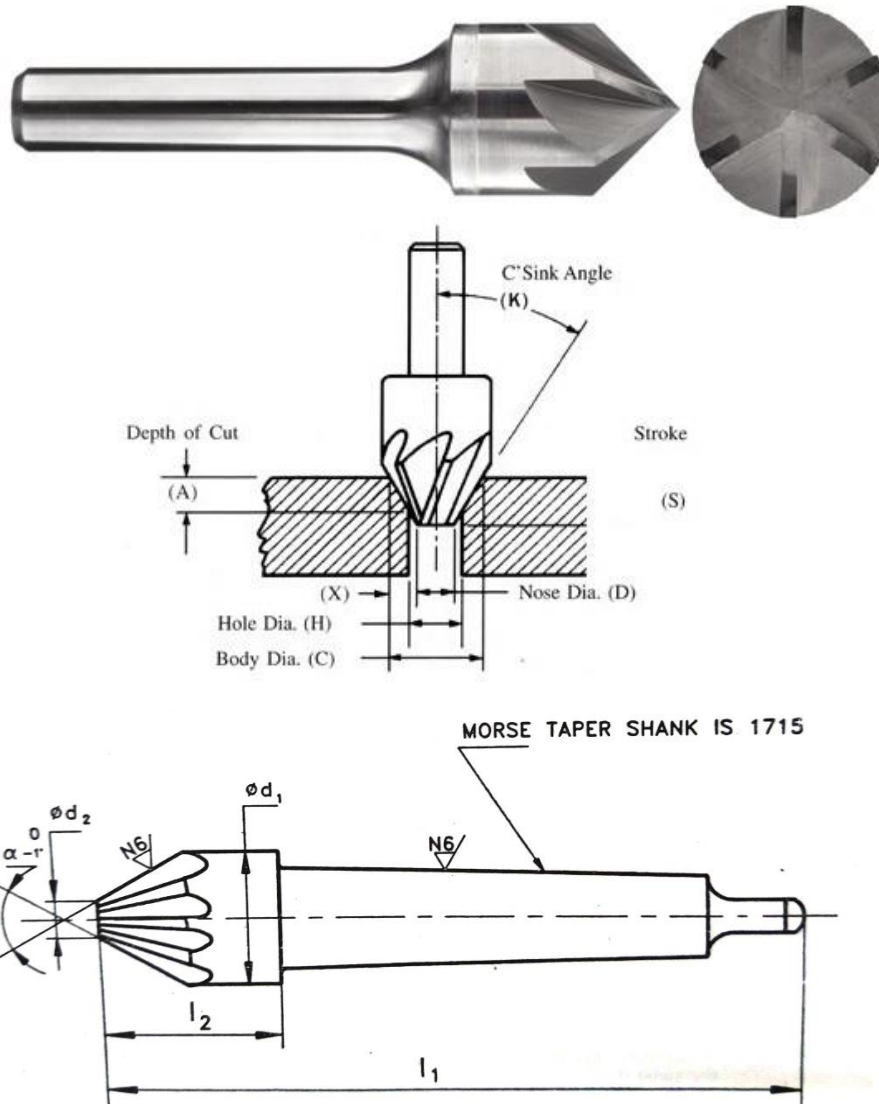
9. Parallel Shank Slot Drills



NOTE:

- Diameter Range 5 and Above
- As per IS/DIN Standard
- Further Customized as per Customer Requirement

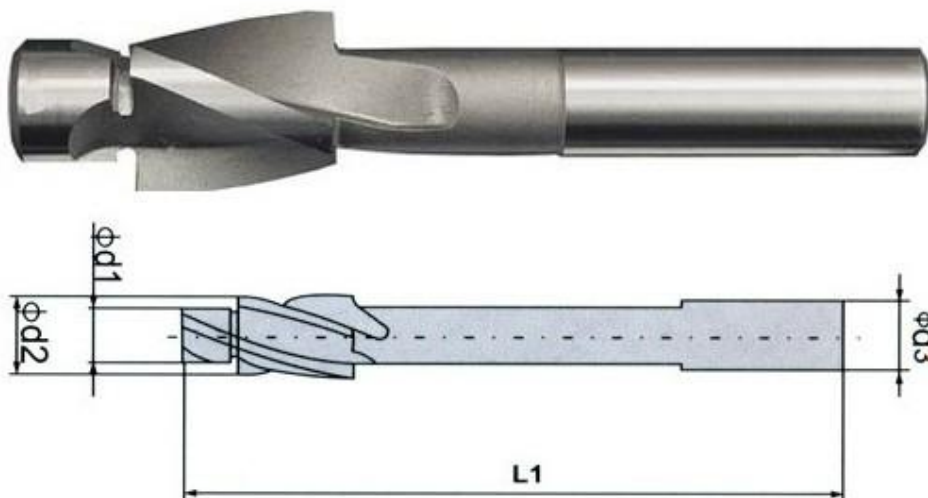
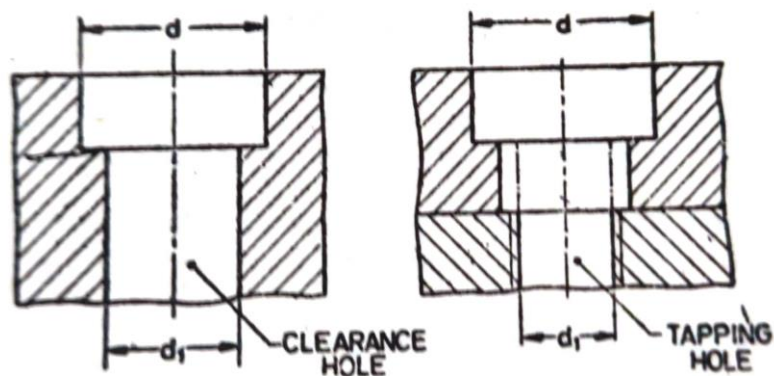
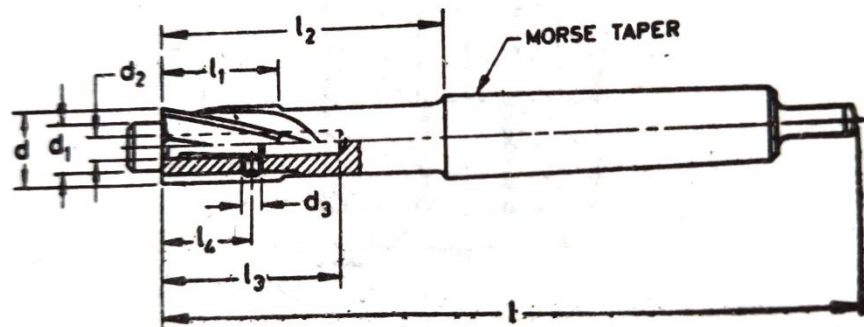
B. Parallel Shank / Taper Shank Countersinks 60°, 90° and 120°



NOTE:

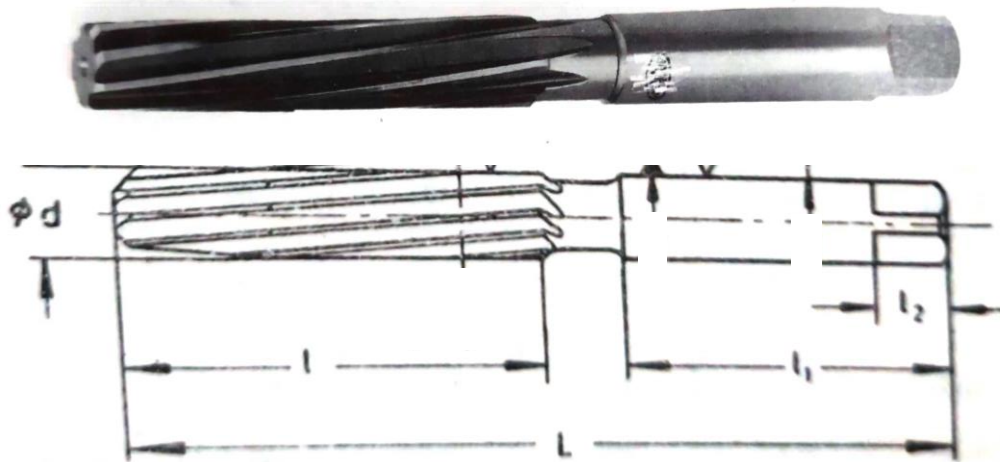
- Diameter Range 5 and Above
- As per IS/DIN Standard
- Further Customized as per Customer Requirement

C. Parallel Shank / Taper Shank Counter bores with Pilot



D. Reamers

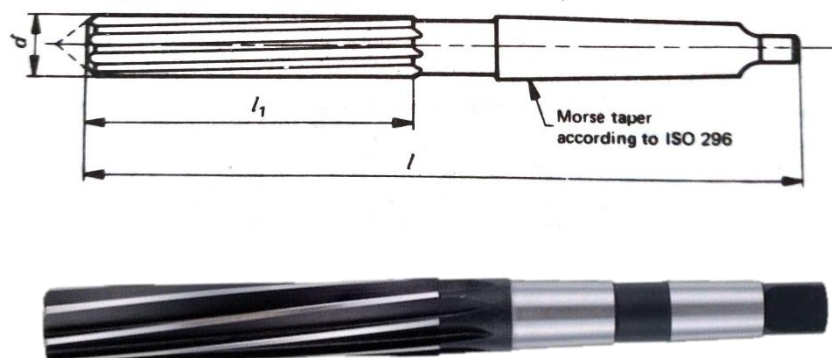
1. Parallel Hand Reamer



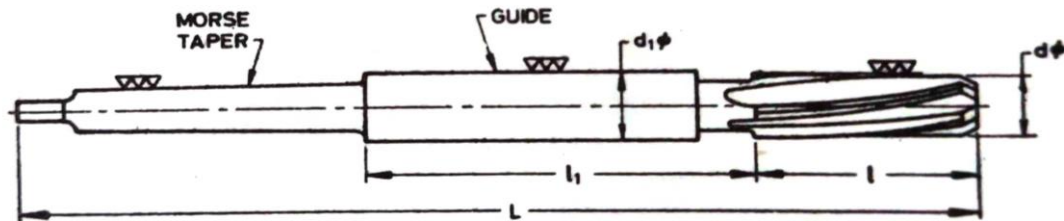
NOTE:

- Diameter Range 5 and Above
- As per IS/DIN Standard
- Further Customized as per Customer Requirement

2. Long Fluted Machine Reamers



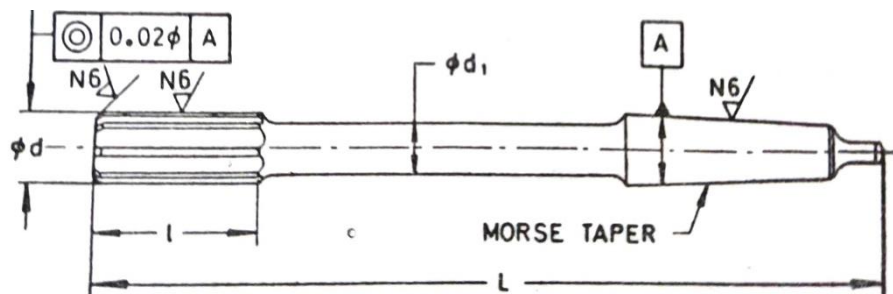
3. Machine Jig Reamers



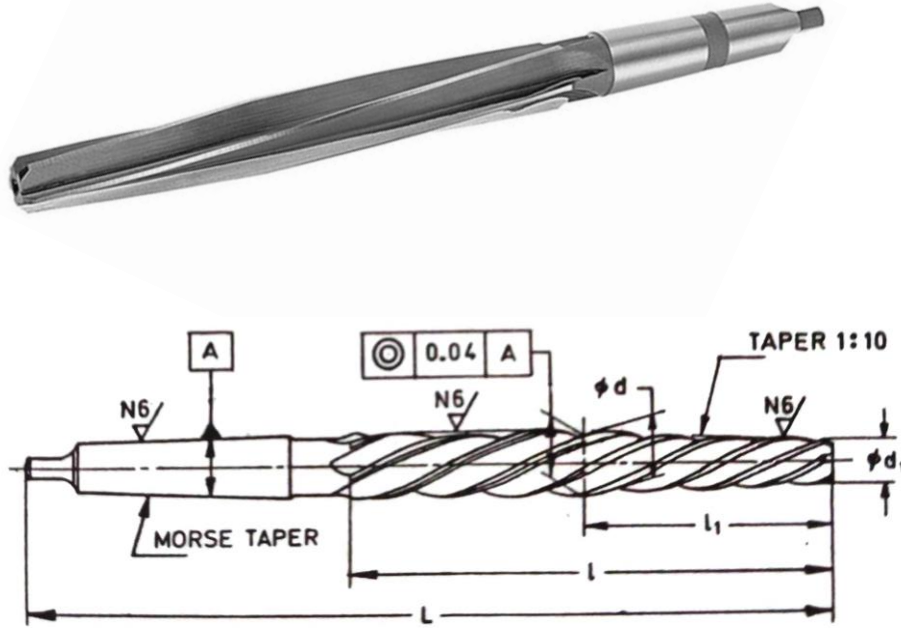
NOTE:

- Diameter Range 5 and Above
- As per IS/DIN Standard
- Further Customized as per Customer Requirement

4. Chucking Reamers



5. Machine Bridge Reamer



NOTE:

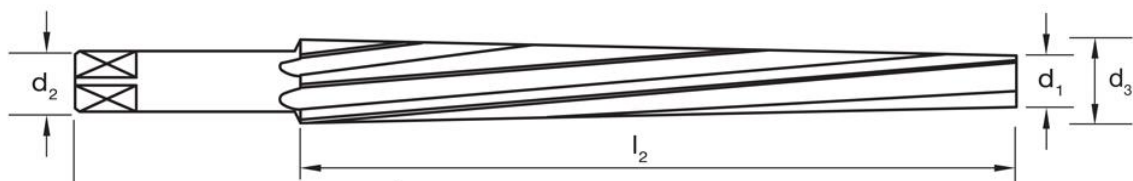
- Diameter Range 5 and Above
- As per IS/DIN Standard
- Further Customized as per Customer Requirement

6. Machine Taper Pin Reamer

A - Straight



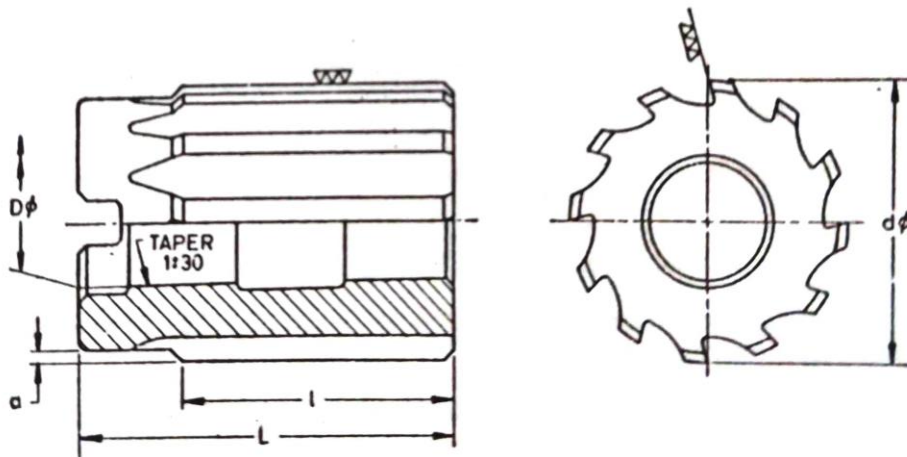
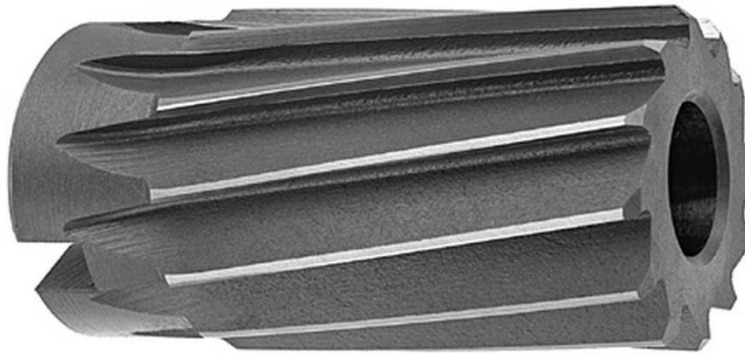
B - Spiral



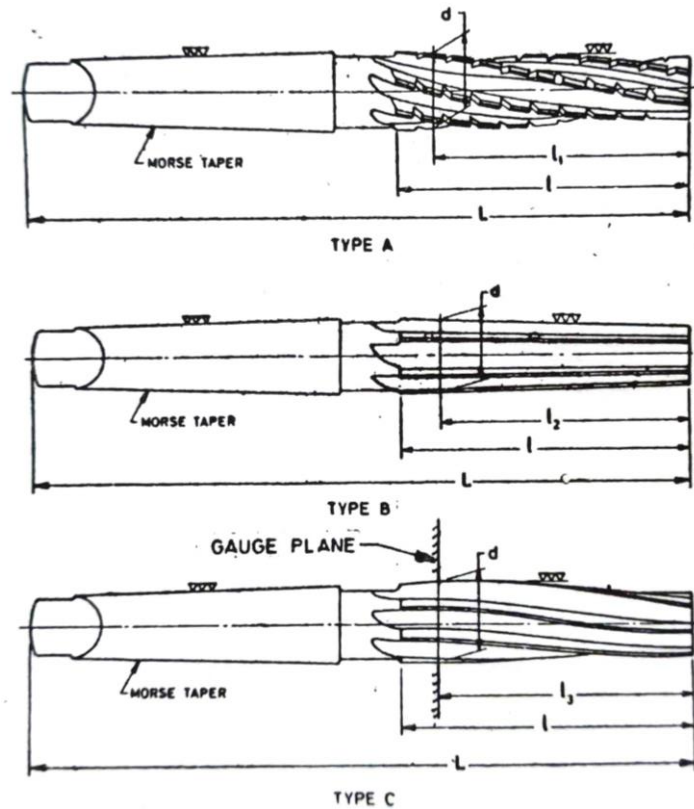
NOTE:

- Diameter Range 5 and Above
- As per IS/DIN Standard
- Further Customized as per Customer Requirement

7. Shell Reamers



8. Socket Reamer

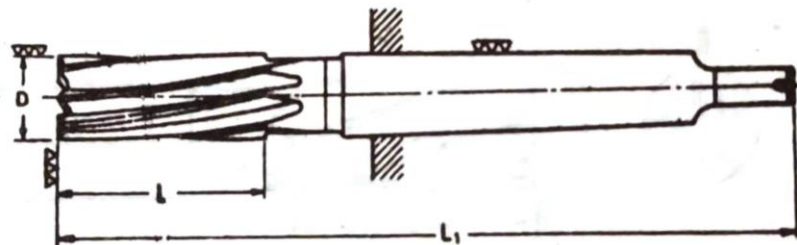
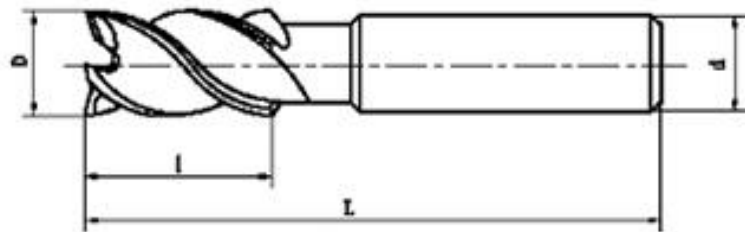


NOTE:

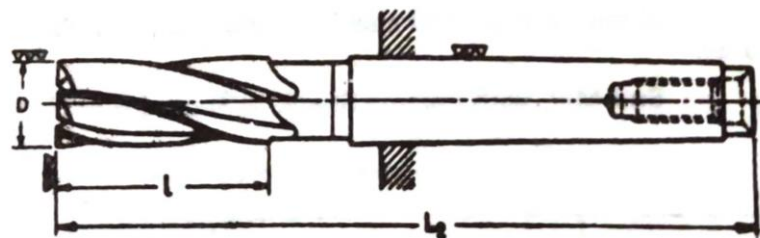
- Diameter Range 5 and Above
- As per IS/DIN Standard
- Further Customized as per Customer Requirement

E. Cutters

1. Parallel Shank / Taper Shank End Mills



TYPE A TANGED END

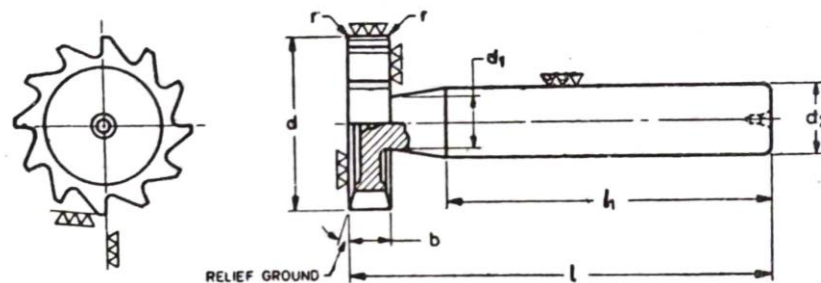


TYPE B TAPPED END

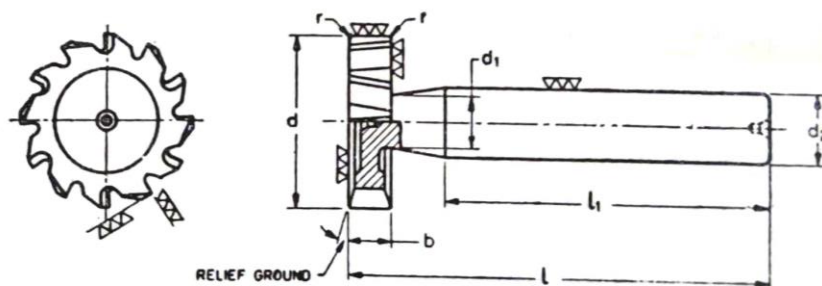
NOTE:

- Diameter Range 5 and Above
- As per IS/DIN Standard
- Further Customized as per Customer Requirement

2. Woodruff Key Slot Milling Cutters

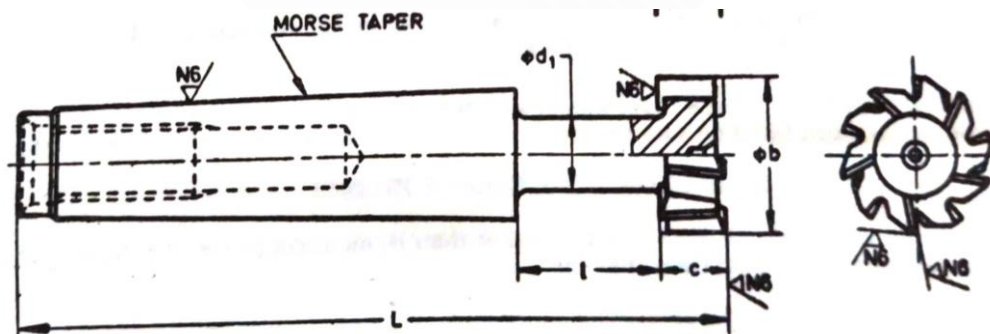


TYPE A — STRAIGHT TEETH

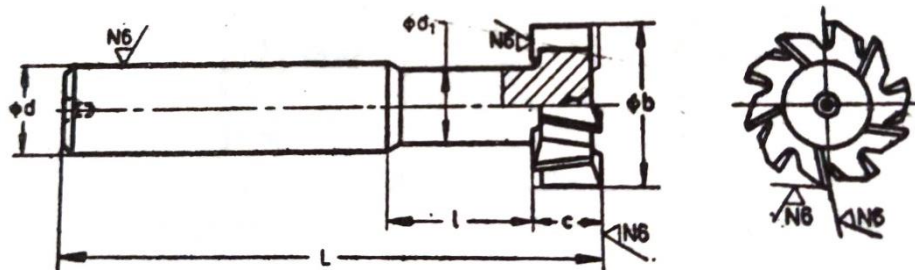


TYPE B — STAGGERED TEETH (FOR $b = 6$ mm AND ABOVE)

3. T – Slot Milling Cutters

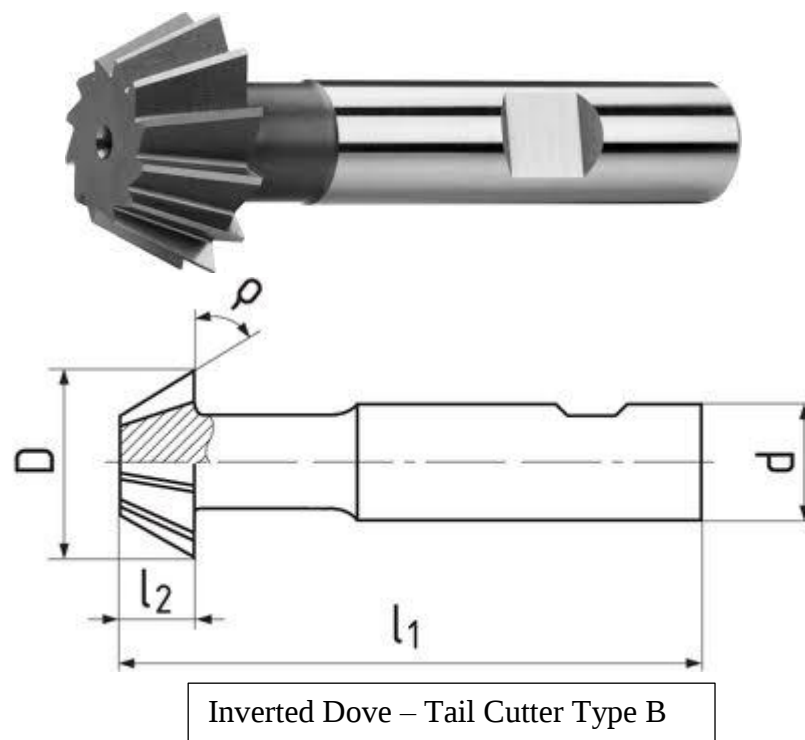
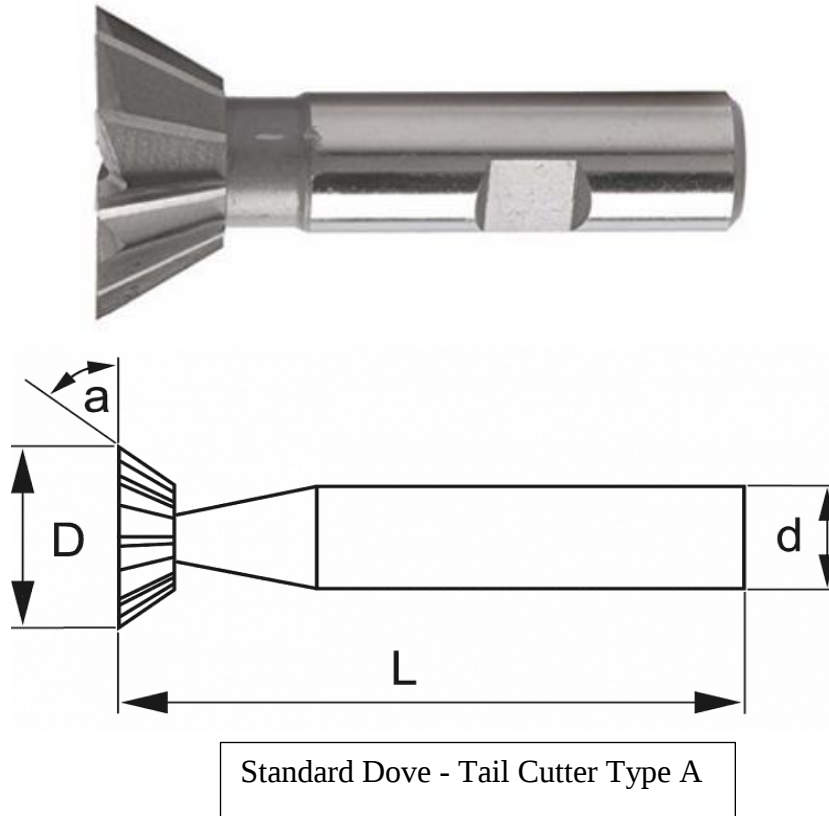


Taper Shank T – Slot Cutter with Tapped End

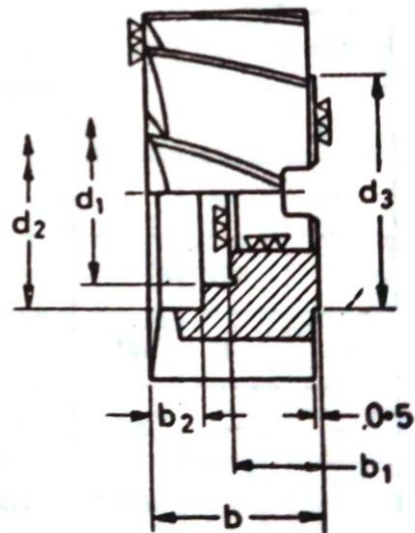
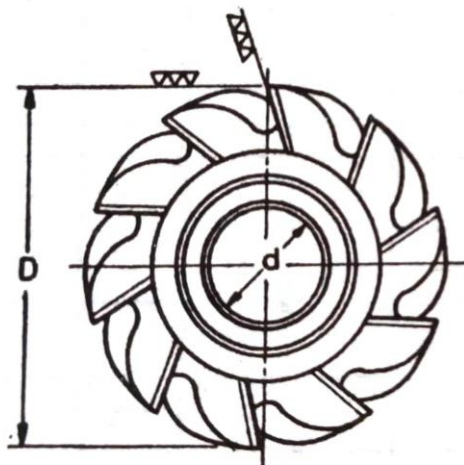


Parallel Shank T – Slot Cutter

4. Dove – Tail Cutters



5. Shell End Mills



6. Hole Mill



Hole Mill Unguided Type A



Hole Mill Guided Type B

NOTE:

- Hole Mills are used to enlarge the hole which is previously drilled and thus correct its axis
- Hole can be finished by Reamer with closed tolerance
- Diameter Range 5 and Above, length up to 900mm
- As per IS/DIN Standard
- Further Customized as per Customer Requirement

7. Side and Face Cutters



Staggered Teeth Type A



Straight Teeth Type B

8. Angle Cutters



Single Angle Cutter



Double Angle Cutter

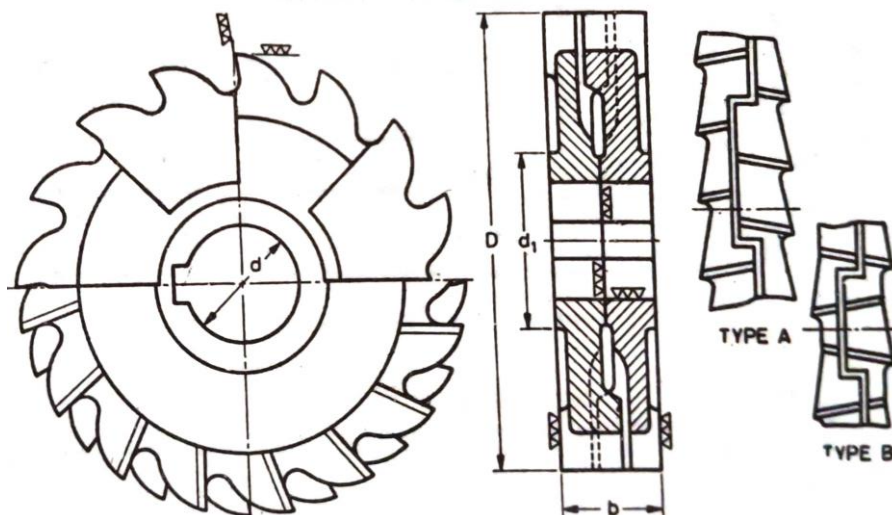
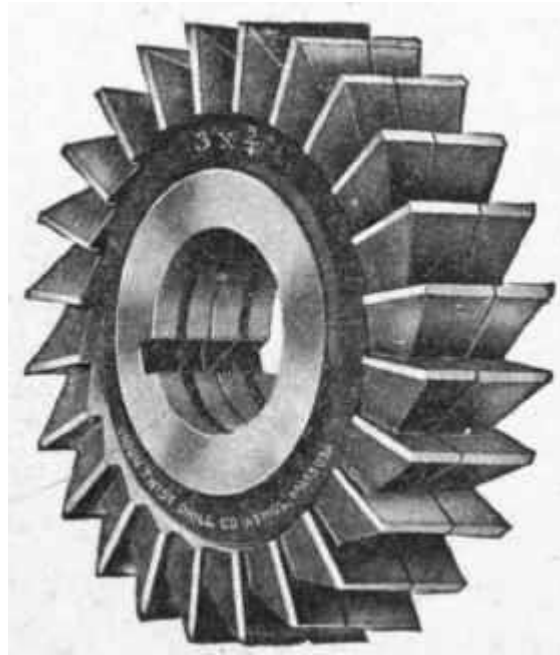
9. Cylindrical Cutters / Slab Milling Cutters



10. Metal Slitting Saws / Cutters



11. Interlocked Milling Cutters



NON- STANDARD/ CUSTOMIZED CUTTING TOOLS

(Our Special Tools for your Ready Reference)

We are specialized in developing Combination Tools for the combined operations in the component resulting in reducing Machining Time, Tool cost & Increase in Component Accuracy & Productivity.

1. Drill Cum Reamer



Drill Cum Reamers are used to finish the hole in one pass only, these are used for through holes machining. Tolerance can be achieved in H8. Can be manufactured in parallel shank / Taper Shank. This is possible to generate the hole Diameter 6 and above.

2. Hole Mill Cum Reamer



Hole Mill Cum Reamers are used to correct the axis and finish the hole. The hole should be previously drilled. Can be manufactured in parallel shank / Taper Shank. This is possible to generate the hole Diameter 6 and above.

3. Die Sinking Cutters



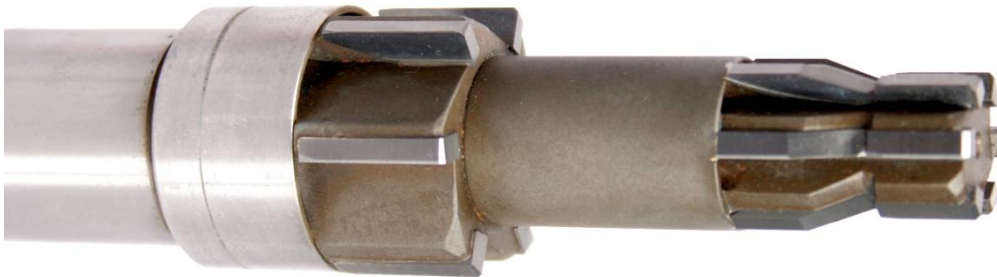
4. Trepanning Cutters



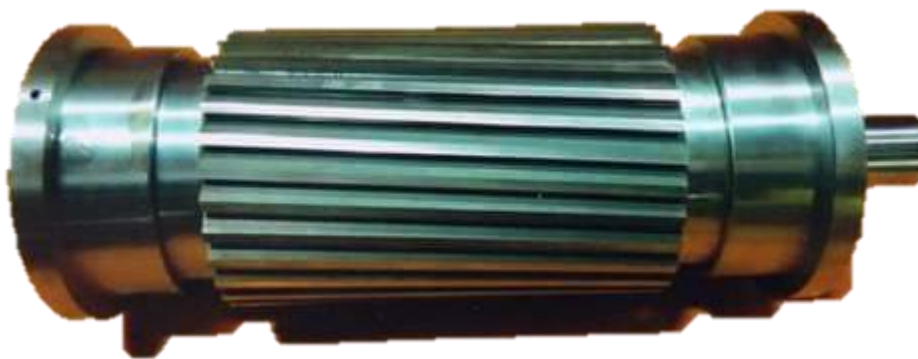
5. Multi Stepped Cutters / Reamers



6. Carbide Tipped Multi step Reamer



7. Slab Milling Cutter for Plastic Industries



8. Circular Blades for Paper Industries



9. For Drip Irrigation Tool



10. Spade Drill



11. Back / Reverse Spot face Cutter

