



# Tungsten Carbide Dies

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*Approach The Die Specialists Today!*

## Experience the BI Competitive Edge

- **Lowest Price Per Cost**

High Quality Raw-Material used by us reduces hidden costs associated with lower quality products.

- **Precision Parts & Superior Design**

Our Products have long-lasting lifespan, thereby ensuring lesser die-requirement, helping achieve saving on downtime, labor and dies cost, as fewer dies do MORE!

- **Premium Customer Service**

For any rush or any clarification about your dies, don't worry! Rest assured! We are dedicated to your success, making your job easier!

## Contact Us

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**Connect With Us:**

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**MANUFACTURER'S & SUPPLIER'S OF QUALITY PRODUCTS:**

WIRE, TUBES & ROD DRAWING DIES - DIAMOND - PCD - COMPACTING - COATING - WIRE STRAIGHTENING  
- HEADING - GRIPPER - EXTRUSION DIES - WIRE GUIDING NOZZLES - POWDERED & GRANULAR CHARCOAL -  
WIRE DRAWING LUBRICANTS - WIRE CUTTERS - PULLING-IN-DOGS - METALLURGICAL MICROSCOPE FOR DIE TESTING



In the domain of stunning-infrastructure and sophisticated-machinery used in wire-drawing industry, one should never lose sight of the wire-drawing die. This little, ultra-hard precision tool with a small hole at its centre determines the growth or breakdown of any wire-drawing industry. It hence becomes crucial to determine criteria for the superiority of die tools. Some of such decisive factors for your progress are:

- Die-Material having an excellent wear-resistance
- Carefully executed geometry or die profile along with surface polish
- High-service duration achieving desired tonnage
- Recutting or refurbishment possible

## **Bharat Industries Tungsten-Carbide Die Products**



All the above mentioned criteria for your progress are very well taken care at Bharat Industries. **If you desire the ultimate-quality Wire-Drawing dies, at lowest price then Bharat Industries is your best option!** We manufacture Long-Lasting High-Quality carbide drawing dies for use in making wire, rods, pipe and bars in all standard shapes-round, hexagonal and rectangle. These dies can serve drawing of various materials including Mild Steel, High-Carbon steel, Stainless Steel, as well as numerous other steel

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alloys. Softer materials like aluminum and copper alloys can also be frequently drawn. We assure you dies with tight tolerance at lowest price and timely delivery. **With BI you would get best customer quality at an unbeatable price from the best carbide die specialists around.** We prepare Dies for diverse industries including, Fasteners, Wire-Ropes, Galvanized-wires, CO<sub>2</sub> MIG wire, Cable industry, Nails, Fencing, Chain Industry and many more.



## Wire-Drawing Dies

In Wire-drawing, a wire of comparatively larger diameter is drawn through a die with a smaller bore-size. This eventually, reduces the diameter of the wire to the preferred size and tolerance, keeping the volume intact. The desired wire-size is achieved by drawing the wires through a series of dies having descending bore-sizes. The final die in this series, sizes the wire to the preferred final-size. We develop dies to achieve drawing of various steel alloys including High-Carbon steel, Stainless Steel, Mild Steel and many more.



## Tube Or Pipe Drawing Dies

Drawing Dies used in tube or pipe drawing can be of any custom shapes, including commonly used round, hexagonal and square. The drawing process is very similar to wire-drawing. The major difference is usage of a *mandrel*. This mandrel is placed at the gorge of die and its size determines the Die inner diameter as well as wall-thickness. A well-finished mandrel achieves smooth surface on the inner side of the tube or pipe.

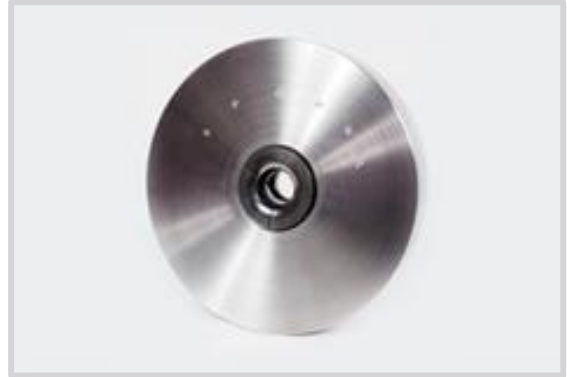


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## Rod & Bar Drawing

Bars and Rods drawing is no different than Wire/Tube or Pipe drawing. The significant difference is that rod/bar tends to be much thicker than wires or tubes. Dies manufactured by Bharat Industries can be used for drawing Bars and Rods of various materials including steel and copper alloys. Bharat Industries produced dies, guarantee you longer life, thereby achieving maximum production of bars or rods before the dies have to be refurbished. This turns much economical for the company by reducing money spent in purchasing dies along with lesser downtime for workers and machines in wait for new drawing dies.



The following Table provides the most commonly used Die Sizes and shapes. Customization is possible as per your specification.

DRAWING PROCESS	SIZE(mm)	SHAPE
WIRE	0.15 to 18.00	Round, Hexagon, Square, Rectangle, Oval, Ellipse and others.
TUBE/PIPE	2.00 to 100.00	
ROD/BAR	Upto 100.00	
TUBE/PIPE	2.00 to 100.00	





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**Bharat Industries has special mastery in manufacturing fine size dies ranging in sizes from 0.15mm to 0.8mm used specially in CO<sub>2</sub> MIG & Stainless Steel Wire drawing.**