



Atlas manufacture Rolls for

- Two High Mill
- Four High Mill
- Roll Cluster Mill
- Tandem Mill
- Skin Pass Mill

Work Rolls

Our rolls are manufactured to close dimensional tolerances with complete concentricity having sufficient strength, surface quality and wear resistance required for cold rolling operations.

They are manufactured from different grades of steel depending on the requirement and condition of the material being rolled. The Work Roll, Intermediate Rolls and Drive Rolls usually are made from High Carbon High Chromium tool steel. For more severe applications, work rolls of High Speed Steel are used. For some specialized applications that demand high wear resistance Powder Metallurgy alloys & other special grades are recommended.

To avoid an early wear of the rolling surface, the induction heating process ensures uniform hardness to the desirable depth, without allowing any brittleness of the work roll body and surface. We also have the facility for CRYOGENIC treatment.

Each roll is tested for any surface blemish and they undergo the 'magnetic particle testing' and also 'ultra sonic testing' to detect any flaws.

Apart from Rolls for Rolling Mills we also manufacture Rolls for

- Stretch Levelling
- Anti Cambring
- Straightening Levellers
- Cut to length Lines
- Shafts

D.B Engineering Pvt. Ltd. have completed 60 years in Knife manufacturing. Starting in the year 1951 it has made huge strides in the field and has customers in about 60 countries today. Our manufacturing spreads over an area of 300,000 square feet. Our biggest strength today is our dedicated and sincere work force of over 600 people manning our six manufacturing facilities. To help us reach the pinnacle of success in Knife manufacturing are the latest and state of art equipment. D.B. Engineering Pvt. Ltd. is a true amalgamation of people from the field of Metallurgy, Engineering and Management.

PRODUCT PORTFOLIO

Machine Knives & Blades for

- Metal Engineering & Fabricating Industry
- Cold Rolling & Steel Processing
- Steel Tube Industry
- Recycling Industry
- Pulp & Paper Industry
- Printing & Graphic Industry
- Packaging Industry
- Wood Working Industry

Knife Grinding Machines

Standard machine blades are available ex-stock.



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Atlas Knives is a brand owned by D. B. Engineering Pvt. Ltd.



For the last 60 years ATLAS has been serving the Steel Plants, Metal Fabrication Units, Steel Service Centers and Rolling mills by manufacturing tooling like Shear Blades, Slitting Knives, Rolls etc. for their various applications.

At ATLAS the finest tool steel, sourced from the best steel mills across the globe with special attention to homogeneity of grain structure is processed to become high quality cutting tool. The latest CNC work stations for machining, an in house Heat Treatment unit equipped with atmosphere controlled furnace with automatic controls and process recording & the finest grinding machines help us in offering the customer a quality product.

Helping us in achieving our quality objective of "Total Customer Satisfaction" is a workforce of 600 people comprising of Engineers, Metallurgist & Heat Treatment specialist. Our manufacturing & quality assurance process are ISO certified.



Manufacturing & Quality Assurance

Slitting cutters are manufactured from tool steel and special alloy steel according to the application requirement. We have manufacturing facility to produce blades in size up to 600mm in diameter. Closer tolerances and special surface finishes are also possible.



Spacers are manufactured using through hardened tool steel. We offer light weight design and also ultra light weight spacers in special materials which are nearly 65-70% lighter than the conventional steel spacer. The spacers can also be lapped to the highest level of precision.

Bonded stripper rings made from alloy tool steel bonded with Nitrile Rubber (Buna N) or Polyurethane are available in various shore hardness and colors to match your specific requirement.



Separator discs are custom made exactly to user specifications, including taper (double/single) and thickness. Steel separator discs are made from the finest steel, also be chrome plated to reduce friction between the plate face and the slit edge.

We are also equipped to manufacture shimless tooling.



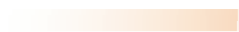
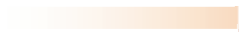
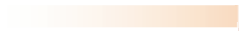
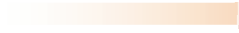



Shear Blades

ATLAS manufactures Shear Blades for both Cold and Hot Shearing application. We offer blades to shear up to 32 mm thick material in Cold application and our Hot Shearing Blades can work even at 1000°C. Apart from straight blades we offer blades for different profiles, Angle/T sections, Bars and Wire Rod mills. We are capable of manufacturing Shear Blades up to 4400mm in single segment.

We also offer blades and knives for **Billet and Bloom shearing**, **Scrap Choppers** and more. These blades are manufactured from the finest tool steels checked for any flaws at our in house Metallurgical lab. The material selection ranges from high chromium steel to special and super grade steels, ensuring that the blades have the correct toughness, wear resistance, edge retention and work well in all conditions.

Steel grades used for Shearing Blades include:

-  High Carbon High Chromium Steel
-  Shock Resisting Steel
-  Hot Die Steel
-  High Speed Steel
-  Powder Metallurgy
-  Vasco Die
-  Nickel Alloy steel

