

# delight

PARTS THAT POWER LIFE

Cylinder Liners  
Sleeves  
Air Cooled Blocks  
Casting Parts



## Company Name

Anand Liners (India) Pvt. Ltd.  
Establishment 1980

## Product Range

Cylinder Liner, Cylinder Sleeve, Air Cooled Block, Valve Guide, Valve Seat Insert, Fuel Injector Sleeve, Anti Polishing Ring for Marine Application and Piston/Ring In Various grades of grey iron, Ductile iron, Ni-resist, Steel and Stainless Steel.

## Group of Companies

Anand Liners (India) Pvt. Ltd.  
J. J. Metal Craft Pvt. Ltd.  
J. J. Auto Components (I) Pvt. Ltd.  
Akbari International  
Virat Mechanical Works  
J. J. P. V. Solar Pvt. Ltd.

## Employees

400

## Quality

ISO 9001:2008 Certified Company  
TS16949 Under Implementation

## Supply Range

Anand offers an extensive range of engine spare parts suitable for All Kind of Automobile Engines (Petrol / Diesel)

Agricultural Engines  
Construction Engine  
Power Generator Set  
Marine Engines  
Compressors  
Diesel Engines  
Motorcycle Engine  
All Stationary Engines

The range covers spare parts for 1-12 cylinder engines.

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## CORE PURPOSE

To enhance the customer satisfaction by continuously improving productivity and quality.

## CORE VALUE



1. Quality First
2. Timely Delivery
3. Discipline
4. Take Challenges
5. Leading Edge Innovation

## B.H.A.G.

To be India's  
**No.1**  
Cylinder liner  
Manufacturer by 2020

# MACHINE SHOP



Machining Capacity : 150,000 Pcs/month



Rough OD CNC Machine



VMC Boring Machining



Plateau Honing Machine



Vertical Boring Machining

# QUALITY CONTROL Metrology and Metallurgy Laboratory



Roundness Tester



Spectrometer



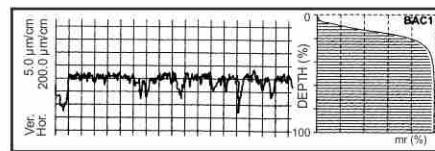
Microscope



Laser Marking Machine



Surface Roughness Tester



Hardness Tester



Inspection & Packing Division

# FOUNDRY SHOP



PARTS THAT POWER LIFE

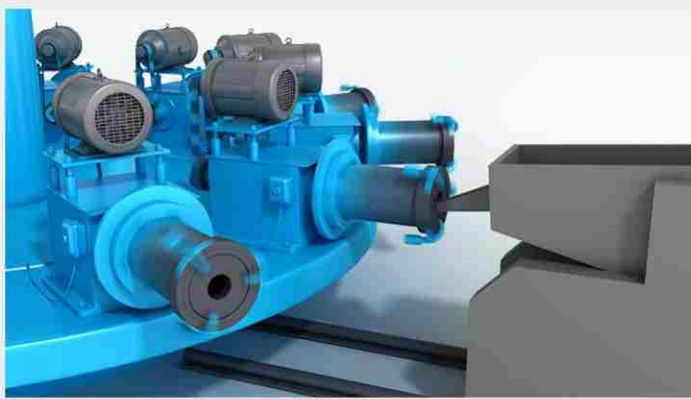
Foundry Capacity 1000 tons/month



Induction Furnace and Regular Spining Machines



Dual Face Auto Centrifugal Casting Machine



12 Station Turn Table

# MACHINE SHOP



CNC Machines



Centerless Grinding Machine



Rough CNC Boring Machine

# Technical Specifications

## Dimensional Parameters

Internal Diameter : 40 mm - 350 mm  
 Outer Diameter : 45 mm - 375 mm  
 Length : 65 mm - 600 mm

## Chemical Composition : Default Chemistry

Element	Minimum	Maximum
Carbon	3.00 %	3.50 %
Silicon	1.90 %	2.50
Phosphorous	-	0.35 %
Sulphur	-	0.15 %
Manganese	0.60 %	1.00 %
Chromium	-	0.40 %

## Micro Structure

Graphite Distribution : Predominantly "A" & "B" Type ("D" & "E" 10/15% Max.)  
 Flake Size : 4 to 6  
 Free Ferrite : Less than 03%  
 Matrix : Lamellar Pearlite  
 Hardness : 210 to 280 HB





## ANAND LINERS (India) PVT. LTD.

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