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.

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

Surface Roughness Tester  Laser Marking Machine  Hardness Tester

Inspection & Packing Division
**FOUNDRY SHOP**

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

<table>
<thead>
<tr>
<th>Element</th>
<th>Minimum</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>3.00 %</td>
<td>3.50 %</td>
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<tr>
<td>Silicon</td>
<td>1.90 %</td>
<td>2.50</td>
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<tr>
<td>Phosphorous</td>
<td>-</td>
<td>0.35 %</td>
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<tr>
<td>Sulphur</td>
<td>-</td>
<td>0.15 %</td>
</tr>
<tr>
<td>Manganese</td>
<td>0.60 %</td>
<td>1.00 %</td>
</tr>
<tr>
<td>Chromium</td>
<td>-</td>
<td>0.40 %</td>
</tr>
</tbody>
</table>

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.

Survey No. 237/238, Plot No. 3,4 & 7B, N/H 8-B
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