










## INSTRUCTIONS FOR USING THIS CATALOGUE



<b>PRODUCT RANGE</b> <i>for</i> <b>CYLINDER LINERS / SLEEVES</b>								
 MAKE - MODEL	 A	 B	 C	 D	 E	 F	SHAPE	BENARA PART NO.
Engine Manufacturers : Models and Details of Engines / Models	BORE DIA. ( IN MM )	OUTER DIA. ( IN MM )	FLANGE DIA. ( IN MM )	FLANGE WIDTH/ HEIGHT ( IN MM )	SPIGOT/FLANGE HEIGHT ( IN MM )	TOTAL LENGTH ( IN MM )	SHAPE	BENARA PART NO.
<div style="border: 1px dashed black; padding: 10px;"> <p>All Cylinder Liner / Sleeve applications have been provided a shape, where ever possible, as per the chart of Shape details.</p> <p>For each Cylinder Liner / Sleeve application, a numeric Part No. has been provided with the Engine Code followed by Diameter.</p> <p>The types are:</p> <ul style="list-style-type: none"> <li>- Wet Liners, with fully finished bore, and require no further machining.</li> <li>- Pre - finished Dry Liners, with fully finished bore , and require no further machining.</li> <li>- Semi Finished Dry Liners, Flanged or Parallel, having a semi-finished bore, and machining allowance of 0.013" to 0.07"</li> <li>- Air-Cooled Finned Liners / Blocks, with fully finished bore, and require no further machining.</li> </ul> <p>Also available are Cylinder Liners with:</p> <ul style="list-style-type: none"> <li>- Oversize on O.D.</li> <li>- Parallel Liners.</li> <li>- Flanged Liners.</li> <li>- Hardened Liners.</li> </ul> </div>								