



Rubore® Cap Seal

INNOVATIVE AUTOMOTIVE SEALING



SEALING CAPS MADE OF RUBORE® ELASTOMER/METAL COMPOSITE MATERIAL

Advantages

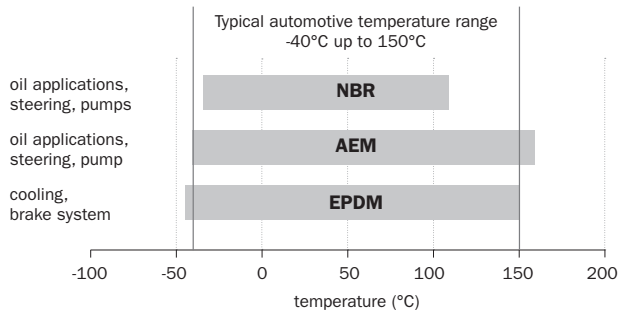
- no more adhesives needed in production
- provides for an optimized assembly process
- shorter cycle times during assembly
- higher safety in low pressure applications
- reliable assembly process
- no need of complex bore geometry
- tested and released in automotive series applications
- cost reduction compared to injection molded sealing caps

Series application example: camshaft module

At modern, assembled camshafts a mounting bore remains when the camshaft is mounted into the housing. This bore can be closed safely and reliably with the Rubore® Cap Seal.

Thus, the adhesives and sealants in the assembly process can completely be avoided. In this way a cost-efficient, automated assembly process with shorter cycle times can be installed.

Your particular Rubore® Cap Seal benefit: Due to the optimized manufacturing process, the Rubore® Cap Seal is cheaper than comparable solutions. Whereas Rubore® Cap Seals are stamped out of composite material, other solutions require more complex procedures.




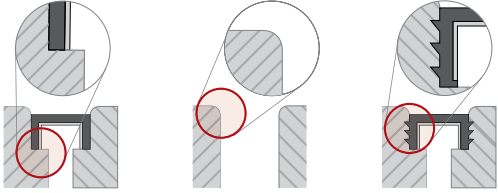

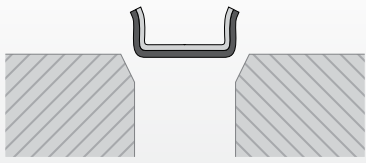

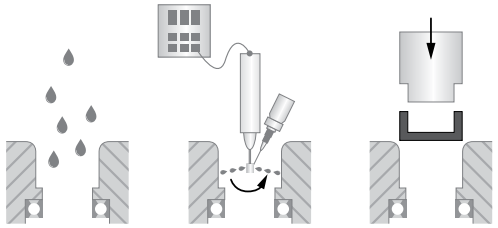

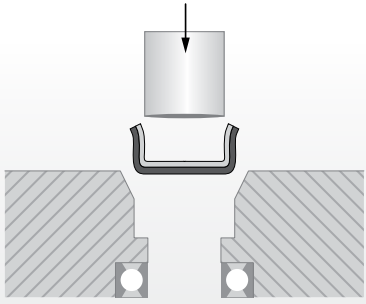

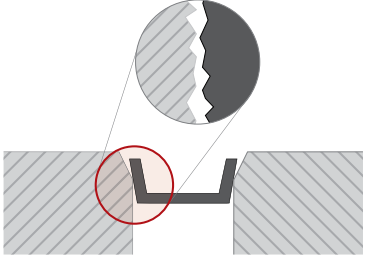

Camshaft housing with mounted sealing cap



Cross section of a Rubore® Cap Seal

Advantages of the Rubore® Cap Seal

Trelleborg's Rubore® Cap Seals offer a considerable cost- and time saving potential as well as an increased sealing performance compared to conventional sealing caps.

Conventional Sealing Solutions	Rubore® Cap Seal
<p> High process cost due to complex bore geometries</p>  <p>Step needed as a stopper Need of insertion radius Complex drilling geometry</p>	<p>Cost saving due to the simple bore geometry </p> 
<p> Time-consuming due to extensive assembly preparations</p>  <p>1. Cleaning 2. Glueing 3. Mounting</p>	<p>Explicit time saving due to easy force fitting </p> 
<p> Sealing without elastomer layer causes micro leakage</p> 	<p>Elastomer compensates surface irregularities and prevents micro leakage </p> 