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GMP VERTICAL PUMP CUTLASS RUBBER BEARING

SKU: ASVCRB

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Categories: Rubber bearings

With over 35 years of vertical pump bearings manufacturing experience. We manufacture pump cutlass bearings in all sizes and types for leading OEM's, repair centres and distributors. GMP bearings are custom made to our client's requirements to accommodate any size, materials and volume.

GMP Industrial water lubricated bearings are used for Vertical turbine pumps including axial flow and diagonal flow – Circulating water pump, auxiliary refrigerating seawater pump installed in nuclear power plants, thermal power plants, desalination plants and lift irrigation projects, city/town municipal water projects and waste water treatment plants.

Specialty Rubber Compounds
GMP engineers can develop industrial rubber compounds that are specially engineered to meet the performance requirements for your applications.

Bond Strength
Industry leading rubber to metal shell bond and rubber to composite shell bonding techniques developed by GMP ensure fails safe bonding of rubber-to-metal and rubber-to-composite. GMP bearings have industry leading bond strength of 235 PSI (16.5 Kg/sq. cm)

Tight Tolerances
GMP Industrial water lubricated bearings are custom machined to meet exact specifications of our clients for clearance and tolerance.

Energy Saving
GMP rubber bearings have very low coefficient of friction, when compared with any other bearings. The low coefficient of GMP bearings help in reducing friction and thus cut energy losses.

Protect shaft and Sleeve
he inner groove design of GMP bearings combined with proprietary rubber compound creates a hydrodynamic lubricating film even at low shaft rpm. The grooves are designed for maximum lubricating water flow and dissipation of frictional heat. Abrasive grit is flushed out through these grooves, protecting the shaft/sleeve as well as the bearings from damage.

Vibration Absorption
GMP proprietary rubber compound is more durable against friction when compared with other rigid bearings. Furthermore, GMP rubber bearings have higher ability to suppress vibrations from the shaft, thus running silently.

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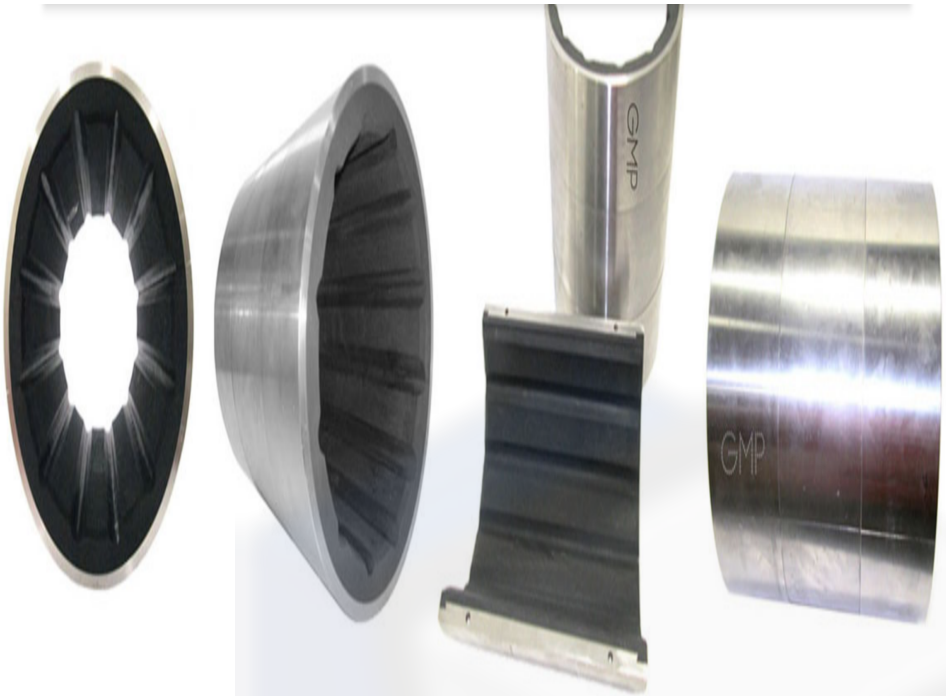
GMP Split Cutlass Bearings

GMP Split Cutlass Bearings are designed for easy fitment and extraction; bearing shell material can be metal (brass, bronze, stainless steel) or nonmetal sleeve that is precision machined with keystone or dovetail races for easy fitment. Longitudinal water grooves run the full length of the shell to provide optimum water flushing and lubrication.



New Product Development

With our expertise in Tribology and a team of design specialists; backed with over 35 years of experience in designing, developing and manufacturing cutlass bearings/ water lubricated bearings. GMP offers design and development services of cutlass bearings/ water lubricated bearings for clients that need bearings for special applications and highly demanding environments. We have successfully developed light weight composite bearings, water lubricated bearings for deep sea submersibles, shaft bearings for new generation electric propulsion systems and special industrial applications like bearings for ceramic shaft sleeves, etc. If you need cutlass bearings/water lubricated bearings for specialised applications get in touch with us now.

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Our in-house manufacturing capabilities enable us to produce pump bearings from a wide range of materials.

Choice of shell materials:

- Brass (all grades)
- Stainless Steel (all grades)
- Bronze (all grades)
- Cast Iron
- Mild Steel
- Phenolic (Non Metallic)

Choice of Inner lining materials:

- Nitrile rubber
- Neoprene rubber
- Natural rubber
- PTFE Graphite Filler
- PTFE Bronze Filler
- Carbon

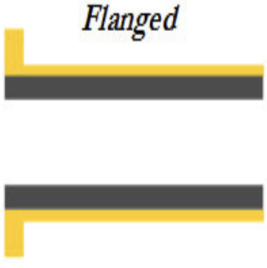
GMP Industrial Bearings are available in a variety of types:

Cylindrical or Flanged Sleeve

Cylindrical

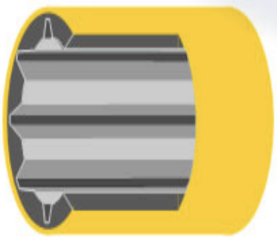


Flanged



Rubber lining is Fluted or Spiral

Fluted



Spiral



Fluted in Circular or Polygonal Profile

Circular



Polygonal



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