

CSB[®] Slide Bearing Specialist



CSB-AL50HP

Pump Bearing Bushing Blocks

CSB AL50HP is a high strength aluminum alloy with excellent wear resistance, anti-friction properties. Combined with our 50HP bushing material it can withstand the high-pressure and high load application required in hydraulic gear pumps and motors.

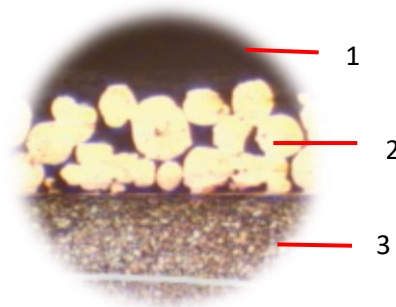
Both aluminum blocks and bushings can be custom designed and manufactured to the exact specifications of customer's needs.

Features

CSB-50HP is developed for high load with high speed under lubrication. The special resin can support high PV value with lower friction and good wear resistance. The speed can be up to 5m/s, PV up to 60N/mm²*m/s.

Structure

1. PTFE/Fiber mixture 0.01~0.03mm, provides an excellent initial transfer film, which effectively coats the mating surface of the bearing assembly, forming an oxide type solid lubricant film.
2. Sintered bronze powder 0.20-0.35mm, provides Max. thermal conductivity away from the bearing surface also serves as a reservoir for the PTFE layer mixture.
3. Low-carbon steel, gives exceptionally high load carrying capacity, heat dissipation.



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