



Bimetall-Dual layer bearing with bronze sliding layer

Material:

Bimetall is a dual layer bearing with copper plated steel backing and the sliding layer of bronze. These bearings are suitable for the bearing conditions with heavy loads and oscillating movements. Sliding surface is equipped with lubrication pockets which will help to build up the lubrication film to work from the very first movement.

Technical data:

Load:

Static 250 N/mm²

Dynamic 140 N/mm²

Maximum speed:

Oil lubricated <5,0 m/s

Grease lubricated <2,5 m/s

Friction:

0,04 – 0,12 μ depending on lubrication

Temperature range:

-40/ +250 °C

Tolerances:

Housing H7

Recommended shaft tolerance f7 or h8

Lubrication:

Bimetall bearings are mainly to be used with oil or grease lubrication. All normal lubricants can be used. Greases with additives of molybdenum sulphide or graphite are recommended to use.

Delivery possibilities:

- Cylindrical bearings, flanged bearings, thrust washers, plates, rails, drawing details
- Several alternative sliding layer materials