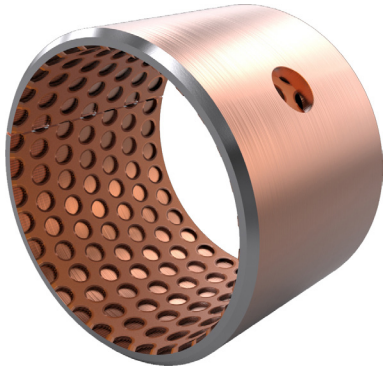
NWB®

High Performance Bearing Technology

CUPB10SN10 WRAPPED COMPOSITE SLIDING BEARING

Properties

For high load capacity and oscillating movements, as well as for rough operation and temperature load. Long-run lubrication because of lubricant storages.



Materials

Support material	Steel copper-plated /tin-plated
Sliding layer	CuPb10Sn10

Material Properties

Specific load capacity static	≤ 250 N/mm²
Specific load capacity dynamic	≤ 140 N/mm²
Sliding speed	≤ 2,5 m/s oil-lubricated ≤ 5m/s
Friction value	0.04 to 0.12 µ dependings on lubrication
Temperature strain	-40 to +250 °C
Max. Pv - value	2,8 [N/mm² x m/s]
Werkstoff	> 75 %

Mounting advise

Housing – Ø

Mounting bevel, min. 1,5 mm x 15-45°

Shaft

Mounting bevel, 5 mm x 15°, edges rounded

Force fitting mandrel

The application of an adequate force fitting mandrel is advisable. Maybe grease lubrication of the outer surface is necessary when mounting.

Stick in

Adhesive must not contact the sliding surface.

Shaft material

Steel, hardened or untempered, surface roughness ≤ Rz 6,3

Tolerance details

Housing – Ø	H7
Bushing after mounting	in the range of H
Shaft tolerance	f7 to f8

Maintenance

Low-maintenance composite sliding bearing, but primary lubrication is necessary. Oil or grease lubrication is possible. Due to solid lubricant storages lubrication clearances are reduced to a minimum!

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