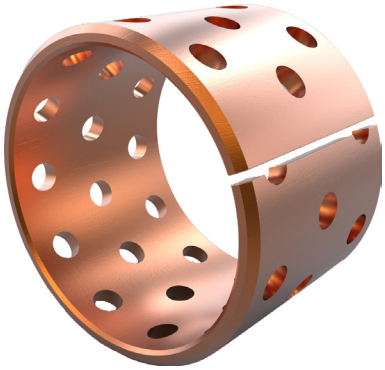
NWB®

High Performance Bearing Technology

CUSN8P WITH PUNCHED PERFORATION HOLES

Properties

Good load capacity and stability at low abrasion. Because of perforations lubrication clearances are reduced to a minimum!



Materials

Support material . . . . . CuSn8P (DIN 17662)

Material Properties

Specific load capacity static . . . . . ≤ 120 N/mm² at max. 0,01 m/s

Specific load capacity dynamic . . . ≤ 40 N/mm² at max. 2.0 m/s

Sliding speed . . . . . ≤ 2,5 m/s depending on lubrication

Friction value . . . . . 0.05 to 0.20 µ dependings on lubrication

Temperature strain . . . . . -40 to +250 °C

Max. Pv - value . . . . . 2,8 [N/mm² x m/s]

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.

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 bronze sliding bearing, primary lubrication is necessary. Oil or grease lubrication is possible. Due to lubrication pockets lubrication clearances are reduced to a minimum!

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