

SB-09G Bronze Wrapped Bushing with filled Graphite

Structure

These are similar to the SB-090 range, except there are solid GRAPHITE embedded into the diamond shaped lubrication indents on the bearing surface, which provide good lubrication conditions at the start up stage, even with a lack of oil. It can be used in construction machinery, gear boxes, automotive clutch parts etc.

Chemical Compositions

Material type	Cu%	Sn%	P%	Pb%	Zn%
CuSn8 (+ Graphite)	91.3	8.5	0.2	/	/

Tech. Data

Max. load	Static	120N/mm ²	Elongation	40%
	Dynamic	40N/mm ²		Temp.
Max. speed (Lubrication)	2.5m/s		Friction coefficient	0.05-0.25
Max. PV	2.6N/mm ² *m/s		Thermal conductivity	58W/(m*k) ¹
Tensile strength	450N/mm ²		Coef. of thermal expansion	18.5*10 ⁻⁶ /K ¹
Hardness	HB>110			

Bushes tolerance

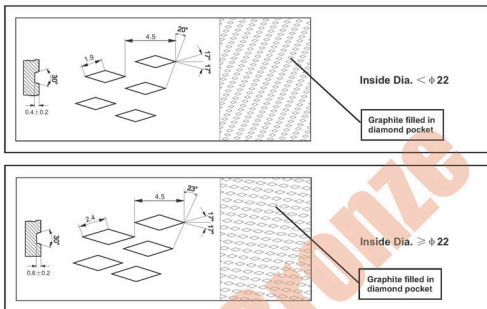
Unit:mm

I.D.	10<d≤18	18<d≤30	30<d≤50	50<d≤80	80<d≤120	120<d≤180	180<d≤250	250<d≤300
O.D. tolerance	+0.065 +0.030	+0.075 +0.035	+0.085 +0.045	+0.100 +0.055	+0.120 +0.070	+0.170 +0.100	+0.210 +0.130	+0.260 +0.170
Installed I.D.H9	+0.043 0	+0.052 0	+0.062 0	+0.074 0	+0.087 0	+0.100 0	+0.115 0	+0.130 0

Housing: H7, Shaft: d7

SB-09G Bronze Wrapped Bushing

Oil pocket type



Feature

1. Easy of fitting and lubrication
 2. High load capacity
 3. Excellent wear resistance with lower friction
 4. High level thermal conductivity
 5. Minimum overall dimensions
 6. Chemical resistance
 7. Can work under dry/marginal lubrication for short period, lower friction factor at initial moving
- Initial pre-lubrication at assembly is required...

Typical Applications

This type of bushing is widely applied in hoisting machines and other construction machines, automobiles, tractors, trucks, machines tools and some mineral engines.

Available

- Cylindrical Bushes
- Thrust Washers
- Non-standard parts as design

SB-09G supplied by customer ordering, the tolerance is according to SB-090 standard dimension.