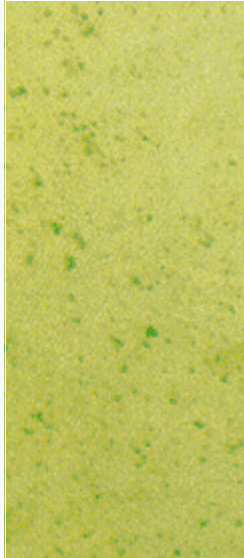


Characteristics	Applications	MBZ-B09™
<ul style="list-style-type: none"> Thin-wall bronze bearing material for lubricated applications Bearing surface is indented for grease lubrication Optimum performance under relatively high loads and low speeds 	Industrial <ul style="list-style-type: none"> Mechanical handling and lifting equipment hydraulic cylinders pneumatic equipment medical equipment textile machinery agricultural equipment, etc. 	

Composition & Structure	Operating Conditions		Availability
CuSn8	dry	non suitable	Ex Stock <ul style="list-style-type: none"> Cylindrical wrapped bushes To order <ul style="list-style-type: none"> Flanged bushes thrust washers strip non-standard parts
	oiled	good	
	greased	good	
	water	non suitable	
	process fluid	non suitable	

Bearing Properties	Unit	Value	Microsection	
Dry				
Maximum sliding speed U	m/s			
Maximum PU factor	$N/mm^2 \cdot m/s = W/mm^2$			
Coefficient of friction f	–			
Grease lubrication				
Maximum sliding speed U	m/s	2.5		
Maximum PU factor	$N/mm^2 \cdot m/s = W/mm^2$	2.8		
Coefficient of friction f	–	0.06-0.15		
General				
Maximum temperature T_{max}	°C	+150		
Minimum temperature T_{min}	°C	-40		
Maximum load P static	N/mm^2	120		
Maximum load P dynamic	N/mm^2	40		
Shaft surface finish Ra	μm	0.8		
Shaft hardness	HB	>200		
Shaft hardness for longer service life	HB	>350		

CuSn8: 8% Sn,
0,2% P, Rest Cu