



# Bearing, Bushing, Thrust washer, Slide guide Steel – bronze range



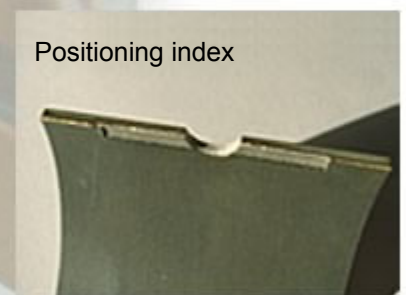
Description	
Manufacture of bearing, bushing, thrust washer, slide guide in steel with an anti-friction coating in self-lubricating sintered bronze	
Dimensions	Applications
External diameter : from 16 to 300 mm Thickness : ≤ 5 mm Thickness tolerance : ± 0,005mm maxi Length maxi : 2 x outer diameter	<ul style="list-style-type: none"> <li>. spark ignition and diesel engines</li> <li>. compressors</li> <li>. piston pumps</li> <li>. systems with crank connecting rod movement with or without heavy load</li> <li>. rotating machines of every kind</li> </ul>

## Properties

Property	Property 1	Property 2	Property 3
Antifriction	Bronze	Bronze	Bronze
Backing	Steel F12	Steel F12	Steel F12
Type of coating	CA3	CA6	CA8
Nuance	Cu80 Pb10 Sn10	Cu69 Pb30 Sn0.7	Cu74 Pb23 Sn3
Load	600 daN/cm <sup>2</sup>	350 daN/cm <sup>2</sup>	550 daN/cm <sup>2</sup>
Advisable shaft hardness HV	440	261	410
Hardness HV	110	50	55
Hardness HB	105	36	40
Advisable shaft roughness (Ra)	0,4	0,4	0,4
Use	Very high loads with shocks and high speed	Low coefficient of friction and medium loads	High loads and medium or high speed

## Options

Ni 2µm coating barrier anti-migration of the Pb in the bronze  
 PbSn10 coating - Application: motor, pump  
 Sn coating anti-attrition storage  
 Availability of groove, oil bath  
 Availability of hole, flange  
 Availability of locating notch



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