

Cu Pb Sn alloys (lead bronzes)

<p>CuSn5Pb9 UNI EN 1982 CuSn10Pb10 UNI EN 1982 CuSn7Pb15 UNI EN 1982 CuSn5Pb20 UNI EN 1982 B Pb12 UNI EN 1698 B Pb8 UNI EN 1698</p>	<p>CC494K CC495K CC496K CC497K</p>	<p>Anti-clutch, corrosion resistance and good manufacturing are the typical properties of these alloys, so they are used for the production of rolling-element bearings when lubrication is low or absent, or when an auto-lubricant part is needed paired to a good capability of conforming to contact surfaces. Loads standing capabilities are directly proportional to the tenor of tin into the alloy. Typical applications are anti-clutch rolling-element bearings without coating, standing medium loads and velocities, in contact with not hardened surfaces, with no or low lubrication, into rolling mills working both at high or low temperatures. Other applications are: machine tools, agricultural machines, gas and diesel engines, electrical equipments, rolling stock. Application fields related to corrosion resistance include chemical, mineral, oil&gas and paper industries.</p>
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	CuSn5Pb9	CuSn10Pb10	CuSn7Pb15	CuSn5Pb20	B Pb12	B Pb8
APPLICATIONS FOR BEARINGS						
Rolling mills for high temperature			X			
Rolling mills for low temperature		X			X	
Locomotors and railway carriages		X	X	X		
Electrical machines		X				
Diesel and gas motors	X		X	X	X	X
Aeronautical motors				X		
Machine tool	X	X				X
Agricultural machinery	X		X	X	X	
Sliding blocks			X		X	
Generic gears						X
Endless screws						X
Sealing rings and segments for oleodynamic devices			X	X		