

Cu Sn Alloys (Sn from 8% to 20%)

CuSn10 UNI EN 1982 CuSn11 P UNI EN 1982 CuSn12-C UNI EN 1982 CuSn12Ni2% UNI EN 1982 B14 UNI 1698 B20 UNI 1698	CC480K CC481K CC483K CC484K	Binary alloys are particularly employed in application fields in which resistance to wear and corrosion is a mandatory requirement. Generally, they are used in the manufacturing of supports and bushings for axles made of work-hardened or chrome-plated steel, gears paired with steel worm gears, for hydraulic and mechanical applications. With higher tenor of tin (Sn from 14% to 20%), these alloys are used for particular components subjected to elevated friction and wear: clutch bearings sectors, piston rings for pumps – sliding blocks and plates, bushings and bearings subjected to high loads.
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	CuSn10	CuSn11	CuSn12	CuSn12Ni2	B14 UNI	B20 UNI
<b>MECHANICAL APPLICATIONS</b>						
Bushings – plain bearings – rolling bearings	X	X	X			
Big gears			X	X	X	
Endless screws			X		X	
Elastic coatings		X	X	X	X	X
Thrust bearings			X	X	X	X
Sliding blocks and plates		X	X	X	X	X
<b>NAUTICAL APPLICATIONS</b>						
Supports – plain bearings – rolling bearings	X	X	X		X	
Gears			X	X	X	
Links	X	X	X		X	