

Cu Sn Zn
Cu Sn Zn Ni Alloys

<p>G-CuSn10Zn2 UNI 7013/6 G-CuSn10Zn2 Ni2 UNI 7013/10 D FIAT Alloy</p>	<p>Due to their excellent mechanical properties at elevated operating temperatures of 300 °C, as well as at cryogenic operating temperatures (-200 °C), these alloys are widely used for the manufacturing of highly strained rolling-element bearings' cages, as well as for the coating of naval motor axles and rolling mill installations. The resistance to friction and yield traction load are enlarged with the addition of Nickel. This kind of alloy is mostly used for big machines' gears, for supports to electrical insulators, for big bolts in rolling mills, for piston rings of steam engines, for bearing cages, for oil&gas flanges.</p>
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	CuSn10Zn2	CuSn10Zn2 Ni2	D FIAT ALLOY
MECHANICAL APPLICATIONS			
Plain and rolling bearings - bushings	X		X
Gears	X		X
Elastic coatings		X	X
AUTOMOTIVE and NAUTICAL APPLICATIONS			
Plain bearings - bearings - bushings	X	X	X
Flanges and connections	X	X	
Components of valves	X	X	X
Injectors			X
Thrust bearings		X	X
Helical Gears			X