

Phosphor Bronze CuSn6

DIN	En Nr. CW452K	UNS (ASTM) C51900	AISI -					
Chemical composition (Weight %)	Cu Balance	Sn 5,5-7	P 0,01-0,40	Fe < 0.1	Ni < 0.2	Pb < 0.02	Zn < 0.2	Others < 0.2
Main technological properties	Good corrosion resistance and strength properties. Hard-wearing, good solderability. Good cold formability. Springs of all kinds, especially for the electrical industry. Applications in the paper, pulp and chemical industries, in shipbuilding and mechanical engineering.							
Typical dimensions	Thickness (mm)		Width (mm)		Length (mm)			
	Strip in coil	0.10 /0,15/0,20/ 0,30		300-330		-		
	Strips in sheet	-		-		-		
Mechanical properties	Temper H180 hard (H)	Rm (N/mm ²)		Rp (N/mm ²)		A50mm (%)		Hv 180-210
Color	brown							
Typical usage	Phosphor Bronze is mainly used for the <ul style="list-style-type: none"> ✓ Threads for jewellery ✓ Wire for stamping applications ✓ Weaving / Knitting / Mesh ✓ Wire for stretching ✓ Spring wires ✓ Wire for EDM ✓ Wires for heating and resistances ✓ Cold striking wires 							
Surface	Special surface qualities upon request							
Flatness	Special requirement on the longitudinal or transversal flatness upon request							

