

C90810 Phosphorus Bronze

C90810 Tin bronze alloy is typically found in gear, high-strength bushing and bearing applications where high strength and low speeds and heavy loads are present. Other high-strength applications for this alloy are pump impellers, piston rings, steam fittings and valve bodies. Tin bronze castings are utilized in movable bridge components, turntables for bridges and other structures for fixed and expansion bearings with slow or intermittent movement with heavy loads.



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Equivalent Specifications:

Specifications	ASTM	BS	EN	JIS	DIN	ISO	IS
Designations	C90810	PB2	CC483K	-	CuSn12	-	-

Chemical Composition:

	Cu	Pb	Sn	Zn	Fe	P	Ni	Al	S	Sb	Si
Min			11.0			0.15					
Max	Rem	0.25	13.0	0.30	0.15	0.8	0.50	0.005	0.05	0.20	0.005

Sizes Available:

TUBES	6.35 mm to 110mm
ROUND WIRES	1 mm to 11mm
ROUND RODS	1.2 to 250 mm
HEX RODS	Min. 5 mm to Max. 60 mm
SQUARE RODS	Min. 4 mm to Max. 60 mm
FLATS	Min. 4 mm thickness and max width of 120mm
PROFILES	As per customer drawings
HOLLOW RODS	Min Bore Size 20mm and Max OD 130mm