

Material: ASTM B505 Leaded Naval Brass UNS C85700

Standard Specification for Copper Alloy Continuous Casting

Group: Non-Ferrous Copper Alloy

Sub Group: ASTM B505 / 505M Copper Alloys for Continuous Casting

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade

Belongs to the Industry: Rod, Bar, Tube and Shapes

Chemical Composition			Heat Treatment	
Tin	Sn %	0.500 - 1.500	As-Cast	
Lead	Pb %	0.800 - 1.500		
Zinc	Zn %	32.000 - 40.000		
Ni + Cu	Ni% + Cu%	1.000 max.		
Iron	Fe %	0.700 max.		
Aluminium	Al %	0.800 max.		
Silicon	Si %	0.05 max.		
Copper	Cu %	58.000 - 64.000		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	276 min.
			Yield Strength in Mpa	97 min.
			Elongation in %	15 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B176 C85700	ASTM	USA	Casting
B271 C85700	ASTM	USA	Casting
B30 C85700	ASTM	USA	Casting
B505 C85700	ASTM	USA	Casting
B584 C85700	ASTM	USA	Casting
SB-584 C85700	ASME	USA	Casting
CACIn203	KS	Korea	Casting

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