

# Material: ASTM B505 Leaded Nickel-Tin Bronze UNS C92900

## 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 %	9.000 - 11.000	As-Cast	
Lead	Pb %	2.000 - 3.200		
Zinc	Zn %	0.250 max.		
Ni + Cu	Ni% + Cu%	2.800 - 4.000		
Iron	Fe %	0.200 max.		
Antimony	Sb %	0.250 max.		
Sulphur	S %	0.050 max.		
Phosphorus	P %	1.500 max.		
Aluminium	Al %	0.005 max.		
Silicon	Si %	0.005 max.		
Copper	Cu %	82.000 - 86.000		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B30 C92900	ASTM	USA	Ingot and Casting
B427 C92900	ASTM	USA	Casting
B505 C92900	ASTM	USA	Casting
SB-505 C92900	ASME	USA	Casting
C92900	SAE	USA	Casting
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