

## Material: ASTM B981 C37700

### Standard Specification for Low Leaded Brass Rod, Bar, Wire and Shapes

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** ASTM B981 Low Leaded Brass Rod, Bar, Wire and Shapes

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

**Belongs to the Industry:** Rod, Bar, Wire and Shapes

Chemical Composition			Heat Treatment	
Iron	Fe %	0.300 max.	Normalizing or Annealing or Tempering	
Lead	Pb %	1.500 - 2.500		
Copper	Cu %	58.000 - 61.000		
Zinc	Zn %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	310 - 430
-	-	-	Yield Strength in Mpa	135 - 190
-	-	-	Elongation in %	10 - 25
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CuZn39Pb2	UNI	Italy	Plate, Sheet and Strip
CW612N	UNI	Italy	Forging
CW612N	ONORM	Australia	Forging
B283 C37700	ASTM	USA	Forging
SB-283 C37700	ASME	USA	Forging
CA377	SAE	USA	Forging
C37700	UNS	USA	Rod, Bar, Tube and Shapes

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