

# Material: IS 7608 Grade I

## Standard Specification for Phosphor Bronze Wire for General Engineering Purposes

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** IS 7608 Phosphor Bronze Wire for General Engineering Purposes

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

**Belongs to the Industry:** Wire

Chemical Composition			Heat Treatment	
Lead	Pb %	0.050 max.	Annealing or Half Hardening or Hardening or Extra Hardening	
Phosphorus	P %	0.020 - 0.400		
Tin	Sn %	4.200 - 5.500		
Other	Ot%	0.200 max.		
Copper	Cu %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	340 min.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	40 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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