

## Material: IS 3091

### Standard Specification for Aluminium Bronze Ingots and Casting for Overhead Fittings in Electric Traction

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** IS 3091 Aluminium Bronze Ingots and Casting for Overhead Fittings in Electric Traction

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

**Belongs to the Industry:** Ingot and Casting

Chemical Composition			Heat Treatment	
Manganese	Mn %	0.100 - 0.500	As-Cast	
Iron	Fe %	4.000 - 5.000		
Aluminium	Al %	9.000 - 11.000		
Copper	Cu %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	600 min.
-	-	-	Yield Strength in Mpa	250 min.
-	-	-	Elongation in %	20 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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