

# Material: IS 407 CuZn37

## Standard Specification for Brass Tubes for General Purposes

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** IS 407 Brass Tubes for General Purposes

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

**Belongs to the Industry:** Tube

Chemical Composition		
Lead	Pb %	0.300 max.
Iron	Fe %	0.100 max.
Arsenic	As %	0.060 max.
Other	Ot%	0.600 max.
Cu + Ni	Cu%+Ni%	62.000 - 65.000
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Stress Relieving or As Drawn or Hardening & Tempering or Tempering & Annealing or Annealing

Mechanical Properties	
Tensile Strength in Mpa	285 min.
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HV	80 max.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CuZn30	IS	India	Tube
CZ 106	BS	British	Tube
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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