

# Material: IS 304 Grade HTB 2

## Standard Specification for High Tensile Brass Ingots and Castings

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** IS 304 High Tensile Brass Ingots and Castings

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

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

Chemical Composition		
Lead	Pb %	0.200 max.
Tin	Sn %	0.200 max.
Silicon	Si %	0.100 max.
Iron	Fe %	1.500 - 3.250
Aluminium	Al %	3.000 - 6.000
Manganese	Mn %	4.000 max.
Other	Ot%	0.200 max.
Cu + Ni	Cu%+Ni%	55.000 min
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	740 min.
Yield Strength in Mpa	-
Elongation in %	11 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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**Customer Care:** +91-99090 45075 **Email:** [info@icastllp.com](mailto:info@icastllp.com)



+91-99090 45075



[info@icastllp.com](mailto:info@icastllp.com)



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India