

Material: IS 291 Grade 1

Standard Specification for Naval Brass Rods and Sections for Machining Purposes

Group: Non-Ferrous Copper Alloy

Sub Group: IS 291 Naval Brass Rods and Sections for Machining Purposes

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

Belongs to the Industry: Rod and Section

Chemical Composition			Heat Treatment	
Tin	Sn %	1.000-1.500	As Cast Annealing or Half Hardening or Hardening	
Lead	Pb %	0.200 max.		
Iron	Fe %	0.100 max.		
Other	Ot%	0.200 max.		
Cu + Ni	Cu%+Ni%	61.000 - 64.000		
Zinc	Zn %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	325 min.
-	-	-	Yield Strength in Mpa	-
-	-	-	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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Customer Care: +91-99090 45075 Email: info@icastllp.com



+91-99090 45075



info@icastllp.com



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