



## Material - IS 1028

### Standard Specification for Silicon Bronze Ingots and Castings

Group - Non-Ferrous Copper Alloy

Sub Group - IS 1028 Silicon Bronze Ingots and Castings

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

Grade Belongs to the Industry - Ingot and Casting

Chemical Composition			Heat Treatment	
Silicon	Si %	1.000 - 5.000	As-Cast	
Zinc	Zn %	5.000 max.		
Iron	Fe %	2.500 max.		
Manganese	Mn %	1.500 max.		
Tin	Sn %	1.000 max.		
Lead	Pb %	0.500 max.		
Aluminium	Al %	1.500 max.		
Copper	Cu %	89.000 min.		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	310 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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-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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