



## Material - MSZ EN 1982 CuZn16Si4-B

### Standard Specification for Copper and Copper Alloys - Ingots and Castings

Group - Non-Ferrous Copper Alloy

Sub Group - MSZ EN 1982 Copper and Copper Alloys - 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			
Aluminium	Al %	0.100 max.	As-Cast			
Iron	Fe %	0.500 max.				
Manganese	Mn %	0.200 max.				
Nickel	Ni %	1.000 max.				
Phosphorus	P %	0.020 max.				
Lead	Pb %	0.600 max.				
Antimony	Sb %	0.050 max.				
Silicon	Si %	3.000 - 5.000	<b>Mechanical Properties</b>			
Tin	Sn %	0.250 max.				
Copper	Cu %	78.500 - 82.000			Tensile Strength in Mpa	400 - 500
Zinc	Zn %	Balance			Yield Strength in Mpa	230 - 340
-	-	-			Elongation in %	5 - 10
-	-	-			Reduction of Area in %	-
-	-	-			Hardness in HB	100 - 190
-	-	-			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CC761S	BS	British	Ingot and Casting
CB761S	EN	European Union	Ingot and Casting
CB761S	UNE	Spain	Ingot and Casting
CB761S	UNI	Italy	Ingot and Casting
CuZn16Si4-B	DIN	Germany	Ingot and Casting
CuZn16Si4-B	ONORM	Australia	Ingot and Casting
CuZn16Si4-B	AFNOR NF	France	Ingot and Casting

**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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