



**GRAVITY CAST PVT. LTD.**  
**GRAVITY GROUP OF COMPANIES**

## Material - UNI EN 1982 CC761S

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

**Group - Non-Ferrous Copper Alloy**

**Sub Group - UNI 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 %	0.600 max.		
Manganese	Mn %	0.200 max.		
Nickel	Ni %	1.000 max.		
Phosphorus	P %	0.030 max.		
Lead	Pb %	0.800 max.		
Antimony	Sb %	0.050 max.		
Silicon	Si %	3.000 - 5.000	<b>Mechanical Properties</b> Tensile Strength in Mpa      400 - 500 Yield Strength in Mpa      230 - 340 Elongation in %      5 - 10 Reduction of Area in %      - Hardness in HB      100 - 190 Impact in Joule      -	
Tin	Sn %	0.300 max.		
Copper	Cu %	78.000 - 83.000		
Zinc	Zn %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CB761S	BS	British	Ingot and Casting
CC761S	AFNOR NF	France	Ingot and Casting
CC761S	UNE	Spain	Ingot and Casting
CuZn16Si4-C	DIN	Germany	Ingot and Casting
CuZn16Si4-C	ONORM	Australia	Ingot and Casting
CuZn16Si4-C	MSZ	Hungary	Ingot and Casting
CuZn16Si4-C	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)**

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

**ONE STOP SOLUTION FOR METAL PARTS**