



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - EN CEN/TS 13388 CF301G

Standard Specification for Copper and Copper Alloys

Group - Non-Ferrous Copper Alloy

Sub Group - EN CEN/TS 13388 Copper and Copper Alloys

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 %	6.000 - 6.400	As-Cast	
Iron	Fe %	0.500 - 0.700		
Manganese	Mn %	0.100 max.		
Nickel	Ni %	0.100 max.		
Other	Ot%	0.200 max.		
Lead	Pb %	0.050 max.		
Silicon	Si %	2.000 - 2.400		
Tin	Sn %	0.100 max.		
Zinc	Zn %	0.400 max.		
Copper	Cu %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	520 - 630
			Yield Strength in Mpa	230 - 350
			Elongation in %	10 - 20
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
AB3	BS	British	Ingot and Casting
CA 107	BS	British	Rod and Section
CF301G	BS	British	Ingot and Casting
CF301G	DIN	Germany	Ingot and Casting
CF301G	ONORM	Australia	Ingot and Casting
CuAl6Si2Fe	BS	British	Ingot and Casting
C23	BS	British	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

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