

# Material: BS CEN/TS 13388 CuAl6Si2Fe

## 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		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa 500 - 600 Yield Strength in Mpa 250 - 350 Elongation in % 10 - 20 Reduction of Area in % - Hardness in HB 125 - 155 Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
AB3	BS	British	Ingot and Casting
CF301G	EN	European Union	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
C23	BS	British	Ingot and Casting

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