

## Material: AS/NZS 1565 958C

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

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** AS/NZS 1565 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 %	8.500 - 9.500	As-Cast	
Iron	Fe %	3.500 - 4.500		
Magnesium	Mg %	0.050 max.		
Manganese	Mn %	0.800 - 1.500		
Nickel	Ni %	4.000 - 5.000		
Lead	Pb %	0.050 max.		
Silicon	Si %	0.100 max.		
Tin	Sn %	0.100 max.		
Zinc	Zn %	0.500 max.		
Copper	Cu %	79.000 min.		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa 590 min. Yield Strength in Mpa 240 min. Elongation in % 15 min. Reduction of Area in % - Hardness in HB 140 min. Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
AB2	BS	British	Ingot and Casting
C95810	AS	Australia	Ingot and Casting
CuAl10Fe5Ni5	ISO	International	Ingot and Casting
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