



## Material - ASME SA747 CB7Cu-2

### Standard Specification for Iron-Chromium-Nickel-Copper Corrosion Resistant Steel Castings

Group - Ferrous Stainless Steel Alloys

Sub Group - ASME SA747 CB7Cu-2 Iron-Chromium-Nickel-Copper Corrosion Resistant Steel Castings

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment			
Carbon	C %	0.070 max.	Normalising or Annealing or Hardening + Tempering			
Silicon	Si %	1.000 max.				
Manganese	Mn %	0.700 max.				
Phosphorus	P %	0.035 max.				
Sulphur	S %	0.030 max.				
Chromium	Cr %	14.000 - 15.500				
Nickel	Ni %	4.500 - 5.500				
Niobium	Nb %	0.150 - 0.350				
Copper	Cu %	2.500 - 3.200				
Nitrogen	N %	0.050 max.				
Iron	Fe %	Balance	<th colspan="2">Mechanical Properties</th>		Mechanical Properties	
-	-	-	Tensile Strength in Mpa	860 min.		
-	-	-	Yield Strength in Mpa	670 min.		
-	-	-	Elongation in %	5 min.		
-	-	-	Reduction of Area in %	-		
-	-	-	Hardness in HB	269 - 310		
-	-	-	Impact in Joule	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J92110	UNS	USA	Casting
UNS J92130	UNS	USA	Casting
5356	AMS	USA	Casting
AMS 5346	SAE	USA	Casting
5400	AMS	USA	Casting
5357	AMS	USA	Casting
A747 CB7CU-2	ASTM	USA	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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