

Material - ASTM A747 Grade CB7Cu-2 (H1100)

Standard Specification for Steel Castings, Stainless, Precipitation Hardening

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A747 / A747M Steel Castings, Stainless, Precipitation Hardening

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		
Copper	Cu %	2.500 - 3.200		
Niobium	Nb %	0.150 - 0.350		
Nitrogen	N %	0.050 max.		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	930 min.
-	-	-	Yield Strength in Mpa	760 min
-	-	-	Elongation in %	9 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	269 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J92110	UNS	USA	Casting
J92130	UNS	USA	Casting
SA-747 CB7Cu-2	ASME	USA	Casting
5356	AMS	USA	Casting
AMS 5346	SAE	USA	Casting
5400	AMS	USA	Casting
5357	AMS	USA	Casting

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

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