

Material: ASTM A747 Grade CB7Cu-2 (H1150M)

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.	Mechanical Properties			
Iron	Fe %	Balance				
-	-	-			Tensile Strength in Mpa	-
-	-	-			Yield Strength in Mpa	-
-	-	-			Elongation in %	-
-	-	-			Reduction of Area in %	-
-	-	-			Hardness in BHN	310 max.
-	-	-	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

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