

Material: ASTM A747 Grade CB7Cu-2 (H1150 DBL)

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	Mechanical Properties <table><tr><td>Tensile Strength in Mpa</td><td>-</td></tr><tr><td>Yield Strength in Mpa</td><td>-</td></tr><tr><td>Elongation in %</td><td>-</td></tr><tr><td>Reduction of Area in %</td><td>-</td></tr><tr><td>Hardness in BHN</td><td>310 max.</td></tr><tr><td>Impact in Joule</td><td>-</td></tr></table>		Tensile Strength in Mpa	-	Yield Strength in Mpa	-	Elongation in %	-	Reduction of Area in %	-	Hardness in BHN	310 max.	Impact in Joule	-
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Yield Strength in Mpa	-															
Elongation in %	-															
Reduction of Area in %	-															
Hardness in BHN	310 max.															
Impact in Joule	-															
Nitrogen	N %	0.050 max.														
Iron	Fe %	Balance														
-	-	-														
-	-	-														
-	-	-														
-	-	-														

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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