

Material: ASTM A 567 Grade 2

Standard Specification for Castings, Investment, Carbon and Low Alloy Steel for General Application and Cobalt alloy for High Strength at Elevated Temperatures

Group: Non-Ferrous Nickel Alloys

Sub Group: ASTM A 567 Grade 2 Castings, Investment, Carbon and Low Alloy Steel for General Application and Cobalt alloy for High Strength at Elevated Temperatures

Application: Intended for Valve, Pump, General Engineering, Automotive, Medical and other Industries

Grade Belongs to the Industry: Casting

Chemical Composition		
Carbon	C %	0.450 - 0.550
Silicon	Si %	1.000 max.
Manganese	Mn %	1.000 max.
Chromium	Cr %	24.500 - 26.500
Sulphur	S %	0.040 max.
Tungsten	W %	7.000 - 8.000
Phosphorus	P %	0.040 max.
Boron	B %	0.005 - 0.015
Iron	Fe %	2.000 max.
Nickel	Ni %	9.500 - 11.500
Cobalt	Co %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
As-Cast or Annealing or Age Hardning	

Mechanical Properties	
Tensile Strength in Mpa	380 min.
Yield Strength in Mpa	-
Elongation in %	10 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A 732 Grade 31	ASTM	USA	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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