

Material - ASTM A732 Grade 21

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 Cobalt Alloys

Sub Group - ASTM A732 / A7323M Casting, Investment, Carbon and Low Alloy Steel for General Application Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.200 - 3.000		
Silicon	Si %	1.000 max.	Annealing or Normalising or Hardening + Tempering	
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	25.000 - 29.000		
Nickel	Ni %	1.700 - 3.800		
Molybdenum	Mo %	5.000 - 6.000		
Iron	Fe %	3.000 max.	Mechanical Properties	
Boron	В %	0.007 max.	Tensile Strength in Mpa	360 min.
Cobalt	Co %	Balance	Yield Strength in Mpa	-
-	-	-	Elongation in %	10 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	27 J @ RT

Cross Reference Table					
Material	Standard	Country	Grade Belong to the Industry		
-	-	-	-		
-	-	-	-		
-	-	-	-		
-	-	-	-		
-	-	-	-		
-	-		-		
-	-	-	-		

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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