



Material - UNS R30008

Standard Specification for Castings, Cobalt-Based alloy

Group - Non-Ferrous Cobalt Alloys

Sub Group - UNS R30008 Castings, Cobalt-Based alloy

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.150 max.	As-Cast or Annealing	
Chromium	Cr %	18.500 - 21.500		
Molybdenum	Mo %	6.500 - 7.500		
Nickel	Ni %	15.000 - 18.000		
Cobalt	Co %	39.000 - 42.000		
Silicon	Si %	1.200 max.		
Manganese	Mn %	1.000 - 2.000		
Sulphur	S %	0.015 max.		
Phosphorus	P %	0.015 max.		
Beryllium	Be %	0.001 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	850 min.
			Yield Strength in Mpa	450 min.
			Elongation in %	1 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
F1058 Grade 1	ASTM	USA	Wire and Strip
F 2527 R30003	ASTM	USA	Casting
7402-4	JIS	Japan	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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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