



Material - IS 5347-8

Standard Specification for Cobalt-Nickel-Chromium-Molybdenum Alloy Casting

Group - Non-Ferrous Cobalt Alloys

Sub Group - IS 5347-8 Cobalt-Nickel-Chromium-Molybdenum Alloy Casting

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	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 - 2.250		
Chromium	Cr %	18.500 - 21.500		
Phosphorus	P %	0.015 max.		
Sulphur	S %	0.015 max.		
Molybdenum	Mo %	6.500 - 8.000		
Beryllium	Be %	0.001 max.		
Nickel	Ni %	14.000 - 18.000		
Cobalt	Co %	39.000 - 42.000		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa 950 min. Yield Strength in Mpa 450 min. Elongation in % 1 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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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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