



## Material - JIS 7402-4

### Standard Specification for Castings, Cobalt-Based alloy

Group - Non-Ferrous Cobalt Alloys

Sub Group - JIS 7402-4 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 - 8.000		
Nickel	Ni %	14.000 - 18.000		
Cobalt	Co %	39.000 - 42.000		
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 - 2.500		
Sulphur	S %	0.015 max.		
Phosphorus	P %	0.015 max.		
Beryllium	Be %	0.001 max.		
Iron	Fe %	Balance	<b>Mechanical Properties</b> 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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-	-	-		
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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
R30008	UNS	USA	Casting
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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](mailto:marketing@gravitycastindia.com)**

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