

Material: UNS R30404

Standard Specification for Cobalt-Based alloy

Group: Non-Ferrous Cobalt Alloys

Sub Group: UNS R30404 Cobalt-Based alloy

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

Grade Belongs to the Industry: Casting

Chemical Composition		
Carbon	C %	0.600 - 1.100
Iron	Fe %	3.000 max.
Manganese	Mn %	1.000 max.
Nickel	Ni %	3.000 max.
Silicon	Si %	1.500 max.
Chromium	Cr %	28.000 - 32.000
Tungsten	W %	12.000 - 16.000
Cobalt	Co %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing

Mechanical Properties	
Tensile Strength in Mpa	775 - 937.7
Yield Strength in Mpa	550 min.
Elongation in %	1 max.
Reduction of Area in %	-
Hardness in HRC	45 - 49
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Stellite 4	Gravity	India	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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