



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

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			Heat Treatment	
Carbon	C %	0.600 - 1.100	As-Cast or Annealing	
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		
-	-	-		
			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
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

ONE STOP SOLUTION FOR METAL PARTS