



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM F 2527 R30035

Standard Specification for Seamless Cobalt Alloy Small Diameter Tubing for Surgical Implants

Group - Non-Ferrous Cobalt Alloys

Sub Group - ASTM F 2527 R30035 Seamless Cobalt Alloy Small Diameter Tubing for Surgical Implants

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.025 max.	As-Cast or Annealing	
Chromium	Cr %	19.000 - 21.000		
Molybdenum	Mo %	9.000 - 10.500		
Nickel	Ni %	33.000 - 37.000		
Iron	Fe %	1.000 max.		
Silicon	Si %	0.150 max.		
Manganese	Mn %	0.150 max.		
Phosphorus	P %	0.015 max.		
Sulphur	S %	0.010 max.		
Titanium	Ti %	1.000 max.		
Boron	B %	0.015 max.	Mechanical Properties Tensile Strength in Mpa 793 - 2482 Yield Strength in Mpa 241 - 586 Elongation in % 1.800 min. Reduction of Area in % 35 min. Hardness in HRC 43 min. Impact in Joule -	
Cobalt	Co %	Balance		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
F562 R30035	ASTM	USA	Casting
R30035	UNS	USA	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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