GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM F 2527 R30003

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

Group - Non-Ferrous Nickel Alloys
Sub Group - ASTM F 2527 R30003 Seamless Drawn 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		
Carbon	C %	0.150 max.
Chromium	Cr %	19.000 - 21.000
Molybdenum	Mo %	6.000 - 8.000
Nickel	Ni %	14.000 - 18.000
Cobalt	Co %	39.000 - 41.000
Silicon	Si %	1.200 max.
Manganese	Mn %	1.500 - 2.500
Sulphur	S %	0.015 max.
Phosphorus	P %	0.015 max.
Beryllium	Be %	0.100 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing

Mechanical Properties	
Tensile Strength in Mpa	850 min.
Yield Strength in Mpa	450 min.
Elongation in %	1 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
F1058 Grade 1	ASTM	USA	Wire and Strip
R30008	UNS	USA	Casting
7402-4	JIS	Japan	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