



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM F1058 Grade 2

Standard Specification for Alloy Wire and Strip for Surgical Implant Applications

Group - Non-Ferrous Cobalt Alloys

Sub Group - ASTM F1058 Grade 2 Alloy Wire and Strip for Surgical Implant Applications

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

Grade Belongs to the Industry - Wire and Strip

Chemical Composition			Heat Treatment	
Carbon	C %	0.150 max.	As-Cast or Annealing	
Chromium	Cr %	18.500 - 21.500		
Molybdenum	Mo %	6.500 - 7.500		
Nickel	Ni %	15.000 - 18.000		
Cobalt	Co %	39.000 - 42.000		
Silicon	Si %	1.200 max.		
Manganese	Mn %	1.000 - 2.000		
Sulphur	S %	0.015 max.		
Phosphorus	P %	0.015 max.		
Beryllium	Be %	0.010 max.		
Iron	Fe %	Balance	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 -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
F 2527 R30008	ASTM	USA	Wire and Strip
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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

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