

Material: ASTM F2527 R30605

Standard Specification for Seamless Cobalt Alloy

Group: Non-Ferrous Cobalt Alloys

Sub Group: ASTM F2527 R30605 Seamless Cobalt Alloy

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

Grade Belongs to the Industry: Sheet, Strip, Foil and Plate

Chemical Composition			Heat Treatment	
Carbon	C %	0.050 - 0.150	As-Cast or Annealing	
Manganese	Mn %	1.000 - 2.000		
Silicon	Si %	0.400 max.		
Chromium	Cr %	19.000 - 21.000		
Nickel	Ni %	9.000 - 11.000		
Tungsten	W %	14.000 - 16.000		
Iron	Fe %	3.000 max.		
Sulphur	S %	0.030 max.		
Phosphorus	P %	0.040 max.		
Cobalt	Co %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 860 min. Yield Strength in Mpa 310 min. Elongation in % 15 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
F 90 R30605	ASTM	USA	Casting
R30605	UNS	USA	Casting
L-605	SAE	USA	Sheet, Strip, Foil and Plate
5832-4	ISO	International	Casting
5832-5	ISO	International	Casting
7402-3	JIS	Japan	Casting
-	-	-	-

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com