

Material: ISO 5832-4

Standard Specification for Cobalt-Based alloy

Group: Non-Ferrous Cobalt Alloys

Sub Group: ISO 5832-4 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 %	0.350 max.	As-Cast or Annealing	
Manganese	Mn %	1.000 max.		
Silicon	Si %	1.000 max.		
Chromium	Cr %	26.500 - 30.000		
Nickel	Ni %	1.000 max.		
Iron	Fe %	1.000 max.		
Iron	Fe %	1.000 max.		
Cobalt	Co %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	665 min.
-	-	-	Yield Strength in Mpa	450 min.
-	-	-	Elongation in %	8 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
F2527 R30605	ASTM	USA	Sheet, Strip, Foil and Plate
5832-5	ISO	International	Casting
7402-3	JIS	Japan	Casting
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