



## Material - JIS 7402-3

### Standard Specification for Cobalt-Based alloy

Group - Non-Ferrous Cobalt Alloys

Sub Group - JIS 7402-3 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 %	0.150 max.	As-Cast or Annealing	
Manganese	Mn %	2.000 max.		
Silicon	Si %	1.000 max.		
Chromium	Cr %	19.000 - 21.000		
Nickel	Ni %	9.000 - 11.000		
Iron	Fe %	3.000 max.		
Tungsten	W %	14.000 - 16.000		
Cobalt	Co %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	860 min.
-	-	-	Yield Strength in Mpa	310 min.
-	-	-	Elongation in %	10 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
5832-4	ISO	International	Casting
5832-5	ISO	International	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](mailto: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.