



**GRAVITY CAST PVT. LTD.**  
**GRAVITY GROUP OF COMPANIES**

## Material - SAE L-605

**Standard Specification for Cobalt-Based alloy, Sheet, Strip, Foil and Plate**

**Group - Non-Ferrous Cobalt Alloys**

**Sub Group - SAE L-605 Cobalt-Based alloy, Sheet, Strip, Foil and Plate**

**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		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa   861.800 min. Yield Strength in Mpa   310 - 593 Elongation in %   25 min. Reduction of Area in %   - Hardness in BHN   230 - 302 Impact in Joule   -	
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-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
F 90 R30605	ASTM	USA	Casting
R30605	UNS	USA	Casting
F2527 R30605	ASTM	USA	Sheet, Strip, Foil and Plate
5832-4	ISO	International	Casting
5832-5	ISO	International	Casting
7402-3	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](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.

**ONE STOP SOLUTION FOR METAL PARTS**