



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

## Material - ASTM A 732 Grade 21

**Standard Specification for Castings, Investment, Carbon and Low Alloy Steel for General Application and Cobalt alloy for High Strength at Elevated Temperatures**

**Group - Non-Ferrous Nickel Alloys**

**Sub Group - ASTM A 732 Grade 21 Castings, Investment, Carbon and Low Alloy Steel for General Application and Cobalt alloy for High Strength at Elevated Temperatures**

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

**Grade Belongs to the Industry - Casting**

Chemical Composition			Heat Treatment	
Carbon	C %	0.200 - 0.300	As-Cast or Annealing or Age Hardning	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Chromium	Cr %	25.000 - 29.000		
Sulphur	S %	0.040 max.		
Molybdenum	Mo %	5.000 - 6.000		
Phosphorus	P %	0.040 max.		
Boron	B %	0.007 max.		
Iron	Fe %	3.000 max.		
Nickel	Ni %	1.700 - 3.800		
Cobalt	Co %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A 567 Grade 1	ASTM	USA	Casting
5385	SAE	USA	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**