



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 11286 Grade 2

Standard Specification for Corrosion Resistant High Alloy Steel and Nickel Base Castings for General Applications

Group - Ferrous Stainless Steel Alloys

Sub Group - IS 11286 Corrosion Resistant High Alloy Steel and Nickel Base and Cobalt Base Investment Castings for

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.070 max.	Solution Annealing	
Silicon	Si %	1.500 max.		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	19.000 - 22.000		
Molybdenum	Mo %	2.000 - 3.000		
Nickel	Ni %	27.500 - 30.500		
Copper	Cu %	3.000 - 4.000		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 425 min. Yield Strength in Mpa 170 min. Elongation in % 31 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
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-	-	-		
-	-	-		
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-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SA-351 CN7M	ASME	USA	Casting
1.45	DIN	Germany	Casting
SCS 23	JIS	Japan	Centrifugal Cast, Steel Pipes
GX 5 NiCrCuMo 29-21	UNI	Italy	Casting
F.8417	UNE	Spain	Casting
A743 CN7M	ASTM	USA	Casting
A744 CN7M	ASTM	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

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