



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - DIN 1.4500

Standard Specification for High alloyed NiCrMo stainless steel

Group - Ferrous Stainless Steel Alloys

Sub Group - DIN 1.4500 High alloyed NiCrMo stainless steel

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.080 max.	Solution Annealing	
Silicon	Si %	1.500 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.045 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	19.000 - 21.000		
Nickel	Ni %	24.000 - 26.000		
Molybdenum	Mo %	2.500 - 3.500		
Copper	Cu %	1.500 - 2.500		
Niobium	Nb %	0.005 - 1.000 max.		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa 441.3 - 637.4 Yield Strength in Mpa 196.1 min. Elongation in % 15 min. Reduction of Area in % - Hardness in HB 130 - 180 Impact in Joule -	
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-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SA-351 CN7M	ASME	USA	Casting
SCS 23	JIS	Japan	Centrifugal Cast, Steel, Pipes.
G X 5 NiCrCuMo 29-21	UNI	Italy	Casting
F.8417	UNE	Spain	Casting
A744 CN7M	ASTM	USA	Casting
A743 CN7M	ASTM	USA	Casting
A351 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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