



Material - DIN G X 5 CrNi 22-10

Standard Specification for High-Temperature Resisting CrNiMn Steel

Group - Ferrous Stainless Steel Alloys

Sub Group - DIN G X 5 CrNi 22-10 High-Temperature Resisting CrNiMn Steel

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.070 max.	Solution Annealing	
Silicon	Si %	0.500 - 1.200		
Manganese	Mn %	1.500 - 2.000		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.025 max.		
Chromium	Cr %	22.000 - 23.000		
Nickel	Ni %	9.500 - 10.500		
Molybdenum	Mo %	0.750 max.		
Copper	Cu %	0.300 max.		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 485 min. Yield Strength in Mpa 205 min. Elongation in % 30 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A743 CG12	ASTM	USA	Casting
UNS J93001	UNS	USA	Casting
1.4947	DIN	Germany	Casting
3444	IS	India	Casting
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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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