



Material - DIN GX25CrNiSi 20-14

Standard Specification for Heat-Resisting Steel Castings

Group - Ferrous Stainless Steel Alloys

Sub Group - DIN GX25CrNiSi 20-14 Heat-Resisting Steel Castings

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.150 - 0.350	Solution Annealing	
Silicon	Si %	0.500 - 2.500		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	19.000 - 21.000		
Nickel	Ni %	13.000 - 15.000		
Cobalt	Co %	1.000 max.		
Copper	Cu %	0.250 max.		
Niobium	Nb %	0.600 max.		
Vanadium	V %	0.120 max.	Mechanical Properties Tensile Strength in Mpa 440 min. Yield Strength in Mpa 230 min. Elongation in % 10 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
Tungsten	W %	0.600 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SA-351 Grade CF10MC	ASME	USA	Casting
20CH20N14S2L	GOST	Russia	Casting
LH 19 N 14 G	PN	Poland	Casting
1.4832	DIN	Germany	Casting
A351 CF10MC	ASTM	USA	Casting
7806 Grade 13	IS	India	Casting
J92971	UNS	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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