



Material - DIN G X 10 NiCrNb 32-20

Standard Specification for Steel Castings for Petroleum and Natural Gas Plants

Group - Ferrous Stainless Steel Alloys

Sub Group - DIN G X 10 NiCrNb 32-20 Steel Castings for Petroleum and Natural Gas Plants

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.050 - 0.150	Soft Annealing, Cast	
Silicon	Si %	0.500 - 1.500		
Manganese	Mn %	0.500 - 1.500		
Phosphorus	P %	0.045 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	19.000 - 21.000		
Nickel	Ni %	31.000 - 33.000		
Niobium	Nb %	0.500 - 1.500		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa 440 - 640 Yield Strength in Mpa 175 min. Elongation in % 20 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4859	DIN	Germany	Casting
G X 40 NiCrSiNb 38-18	DIN	Germany	Casting
SA-351 CT15C	ASME	USA	Casting
N08151	UNS	USA	Casting
N08004	UNS	USA	Casting
1.4849	DIN	Germany	Casting
A351 CT15C	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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