

Material: DIN G X 2 NiCrMoCuN 25-20

Standard Specification for Corrosion Resistant Steel Castings

Group: Ferrous Stainless Steel Alloys

Sub Group: DIN G X 2 NiCrMoCuN 25-20 Corrosion Resistant 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 %	0.030 max.	Solution Annealing	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.020 max.		
Chromium	Cr %	19.000 - 21.000		
Nickel	Ni %	24.000 - 26.000		
Molybdenum	Mo %	2.500 - 3.500		
Copper	Cu %	1.500 - 2.000		
Nitrogen	N %	0.100 - 0.200		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa 480 min. Yield Strength in Mpa 210 min. Elongation in % 30 min. Reduction of Area in % - Hardness in BHN - Impact in Joule 60 J @ RT	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J94650	UNS	USA	Casting
T 6 CuMoNiCr 200	STAS	Romania	Casting
1.4536	DIN	Germany	Casting
A743 CN7MS	ASTM	USA	Casting
1.4536	DIN	Germany	Casting
A743 J94650	ASTM	USA	Casting
CN-7MS	NBR	Brazil	Casting

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