

Material: DIN 1.4536

Standard Specification for Corrosion Resistant Steel Castings

Group: Ferrous Stainless Steel Alloys

Sub Group: DIN 1.4536 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.	Annealing or Hardening + Tempering	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.010 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 440 - 640 Yield Strength in Mpa 200 min. Elongation in % 20 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
G X 2 NiCrMoCuN 25-20	DIN	Germany	Casting
T 6 CuMoNiCr 200	STAS	Romania	Casting
J94650	UNS	USA	Casting
A743 CN7MS	ASTM	USA	Casting
A744 CN7MS	ASTM	USA	Casting
A743 J94650	ASTM	USA	Casting
CN-7MS	NBR	Brazil	Casting

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India