

Material: ASTM A743 J94650

Standard Specification for Castings, Iron-Chromium, Iron-Chromium-Nickel, Corrosion Resistant, for General Application

Group: Ferrous Stainless Steel Alloys

Sub Group: ASTM A743 J94650 Castings, Iron-Chromium, Iron-Chromium-Nickel, Corrosion Resistant, for General Application

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.	Annealing or Hardening + Tempering	
Silicon	Si %	2.500 - 3.500		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	18.000 - 20.000		
Nickel	Ni %	22.000 - 25.000		
Molybdenum	Mo %	2.500 - 3.000		
Copper	Cu %	1.500 - 2.000		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 485 min. Yield Strength in Mpa 205 min. Elongation in % 35 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

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
1.4536	DIN	Germany	Casting
A744 CN7MS	ASTM	USA	Casting
CN-7MS	NBR	Brazil	Casting

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