

Material: ASTM A890 5Cr7NiMoN

Standard Specification for Castings, Iron-Chromium-Nickel-Molybdenum Corrosion-Resistant, Duplex (Austenitic/Ferritic) for General Application

Group: Ferrous Stainless Steel Alloys

Sub Group: ASTM A890 / A890M Iron-Chromium-Nickel-Molybdenum Corrosion-Resistant, Duplex (Austenitic/Ferritic) 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 %	0.030 max.	Solution Annealing	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	24.000 - 26.000		
Nickel	Ni %	6.000 - 8.000		
Molybdenum	Mo %	4.000 - 5.000		
Nitrogen	N %	0.100 - 0.300		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	
			690 min.	
			Yield Strength in Mpa	
			515 min.	
			Elongation in %	
			18 min.	
			Reduction of Area in %	
			-	
			Hardness in BHN	
			-	
			Impact in Joule	
			-	

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A995 5A	ASTM	USA	Casting
G X2CrNiMoN26-7-4	AFNOR NF	France	Casting
1.4469	EN	European Union	Casting
GX2CrNiMoN26-7-4	DIN	Germany	Casting
GX2CrNiMoN25-7-4	DIN	Germany	Casting
J93404	UNS	USA	Casting
1.4469	BS	British	Casting

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