

Material: UNI G X 55 NiCr 60-12

Standard Specification for Heat Resisting Steel Stainless Steel and Alloy Sand Castings

Group: Ferrous Stainless Steel Alloys

Sub Group: UNI G X 55 NiCr 60-12 Heat Resisting Steel Stainless Steel and Alloy Sand Castings

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

Grade Belongs to the Industry: Casting

Chemical Composition		
Carbon	C %	0.350 - 0.750
Silicon	Si %	2.500 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.035 max.
Chromium	Cr %	10.000 - 14.000
Molybdenum	Mo %	0.500 max.
Nickel	Ni %	58.000 - 62.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As - Cast

Mechanical Properties	
Tensile Strength in Mpa	410 min.
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A608 Grade HW 50	ASTM	USA	Casting
N08001	UNS	USA	Casting
N08006	UNS	USA	Casting
A297 Grade HW	ASTM	USA	Casting
-	-	-	-
-	-	-	-
-	-	-	-

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