



## 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			Heat Treatment	
Carbon	C %	0.350 - 0.750	As - Cast	
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		
-	-	-	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
-	-	-	-
-	-	-	-
-	-	-	-

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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