

## Material: UNS N06006

### Standard Specification for Castings, Nickel Iron Chromium Alloy Solid Solution Strengthened

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** UNS N06006 Casting, Nickel Iron Chromium Alloy Solid Solution Strengthened

**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 %	0.040 max.		
Chromium	Cr %	15.000 - 19.000		
Molybdenum	Mo %	0.500 max.		
Nickel	Ni %	64.000 - 68.000		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	415 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 HX 50	ASTM	USA	Casting
G X 55 NiCr 60-12	UNI	Italy	Casting
N06050	UNS	USA	Casting
A297 Grade HX	ASTM	USA	Casting
IS 4522 Grade 14	IS	India	Casting
13505 Grade HX	IS	India	Casting
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