

# Material: UNS N08605

## Standard Specification for Alloy steel casting

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** UNS N08605 Alloy steel casting

**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 %	0.040 max.
Chromium	Cr %	15.000 - 19.000
Nickel	Ni %	33.000 - 37.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As - Cast

Mechanical Properties	
Tensile Strength in Mpa	450 min.
Yield Strength in Mpa	-
Elongation in %	4 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
N08050	UNS	USA	Casting
A608 Grade HT50	ASTM	USA	Casting
N08004	UNS	USA	Casting
G X 40 NiCrSiNb 38-18	DIN	Germany	Casting
1.4849	DIN	Germany	Casting
N08005	UNS	USA	Casting
A297 Grade HT	ASTM	USA	Casting

**Disclaimer:** All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)



+91-99090 45075



[info@icastllp.com](mailto:info@icastllp.com)



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India