AMTECH
TECHNOCAST PVT. LTD.

Material - ASTM A608 Grade HH 33

Standard Specification for Heat Resistant Alloy Steel Castings

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A608 Grade HH 33 Centrifugally Cast Iron-Chromium-Nickel High-Alloy Tubing

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

Grade Belongs to the Industry - Casting

Chemical Composition		
Carbon	C %	0.280 - 0.380
Silicon	Si %	0.500 - 2.000
Manganese	Mn %	1.500 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.040 max.
Chromium	Cr %	24.000 - 26.000
Nickel	Ni %	12.000 - 14.000
Molybdenum	Mo %	0.050 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	28 min.
Yield Strength in Mpa	-
Elongation in %	8 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
13505 Grade 9	IS	India	Casting
422936	CSN	Czech Republic	Casting
J93633	UNS	USA	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at +91 9879817994, or email us at manish@amtechtechnocast.com