

Material: GOST 10 H 18 N9L

Standard Specification for Alloy Steel Casting

Group: Ferrous Stainless Steel Alloys

Sub Group: GOST 10 H 18 N9L Alloy Steel Casting

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

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.140 max.	Solution Annealing	
Silicon	Si %	0.200 - 1.000		
Manganese	Mn %	1.000 - 2.000		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	17.000 - 20.000		
Nickel	Ni %	8.000 - 11.000		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	441 min.
-	-	-	Yield Strength in Mpa	177 min.
-	-	-	Elongation in %	25 min.
-	-	-	Reduction of Area in %	35 min.
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
302 C 25	BS	British	Casting
SCS 12	JIS	Japan	Casting
302 C 25	BS	British	Casting
Z 10 Cn 18.9M	AFNOR NF	France	Casting
F.8411	UNE	Spain	Casting
LH 18 N 9	PN	Poland	Casting
A743 CF16F	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