



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

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

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

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