

# Material: GOST 10H18N9L

## Standard Specification for Steel Castings for General Engineering Purposes

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** GOST 10H18N9L Steel Castings for General Engineering Purposes

**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.	As Cast or Annealing or Normalizing or Hardening and Tempering	
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
302C25	BS	British	Casting
2074/H5B	AS	Australia	Casting
2074/H5BM	AS	Australia	Casting
1H18N9	PN	Poland	Casting
17 241	CSN	Czech Republic	Casting
Z 10 CN 18.9 M	AFNOR NF	France	Casting
C47H	ISO	International	Casting

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