

## Material: ISO C47H

### Standard Specification for Steel Castings for General Engineering Purposes

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** ISO C47H 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 %	0.040 - 0.100	As Cast or Annealing or Normalizing or Hardening and Tempering	
Silicon	Si %	2.000 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.045 max.		
Sulphur	S %	0.035 max.		
Chromium	Cr %	18.000 - 21.000		
Nickel	Ni %	8.000 - 12.000		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	470 - 670
-	-	-	Yield Strength in Mpa	230 min.
-	-	-	Elongation in %	30 min.
-	-	-	Reduction of Area in %	-
-	-	-	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
10H18N9L	GOST	Russia	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)