



Material - CSN 17 241

Standard Specification for Steel Castings for General Engineering Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - CSN 17 241 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 %	0.120 max.	As Cast or Annealing or Normalizing or Hardening and Tempering			
Silicon	Si %	1.000 max.				
Manganese	Mn %	2.000 max.				
Phosphorus	P %	0.045 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	490 min.
-	-	-			Yield Strength in Mpa	196 min.
-	-	-			Elongation in %	35 min.
-	-	-			Reduction of Area in %	50 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
Z 10 CN 18.9 M	AFNOR NF	France	Casting
C47H	ISO	International	Casting
10H18N9L	GOST	Russia	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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