



## Material - AFNOR NF Z 40NC25.20-M

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

Group - Ferrous Stainless Steel Alloys

Sub Group - AFNOR NF Z 40NC25.20-M 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 %	0.300 - 0.500	As Cast or Annealing or Normalizing or Hardening and Tempering	
Silicon	Si %	2.000 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	23.000 - 27.000		
Nickel	Ni %	18.000 - 22.000		
Niobium	Nb %	1.500 max.		
Tungsten	W %	5.000 max.		
Iron	Fe %	Balance		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa      400 min. Yield Strength in Mpa      200 min. Elongation in %      8 min. Reduction of Area in %      - Hardness in BHN      180 min. Impact in Joule      -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
310C40	BS	British	Casting
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-	-	-	-
-	-	-	-

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

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