

Material: AFNOR NF Z 40CN25.20-M

Standard Specification for Steel Castings for General Engineering Purposes

Group: Ferrous Stainless Steel Alloys

Sub Group: AFNOR NF Z 40CN25.20-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		
-	-	-	Mechanical Properties 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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-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
310C45	BS	British	Casting
1.4848	CSN	Czech Republic	Casting
1.4848	DIN	Germany	Casting
1.4848	MSZ	Hungary	Casting
1.4848	AFNOR NF	France	Casting
1.4848	UNI	Italy	Casting
1.4848	SFS	Finland	Casting

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