

# Material: NMX CZ-100

## Standard Specification for Castings, Iron-Chromium, Iron-Chromium-Nickel, Corrosion Resistant, for General Application

**Group:** Non-Ferrous Nickel Alloys

**Sub Group:** NMX CZ-100 Castings, Iron-Chromium, Iron-Chromium-Nickel, Corrosion Resistant, for General Application

**Application:** Intended for Valve, Pump, General Engineering, Automotive and other Industries

**Grade Belongs to the Industry:** Casting

Chemical Composition			Heat Treatment
Carbon	C %	1.000 max.	
Silicon	Si %	2.000 max.	
Manganese	Mn %	1.500 max.	
Phosphorus	P %	0.030 max.	
Sulphur	S %	0.030 max.	
Copper	Cu %	1.250 max.	
Iron	Fe %	3.000 max.	
Nickel	Ni %	Balance	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
Mechanical Properties			
Tensile Strength in Mpa			345 min.
Yield Strength in Mpa			125 min.
Elongation in %			10 min.
Reduction of Area in %			30 min.
Hardness in BHN			-
Impact in Joule			-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
3444 Grade 21	IS	India	Casting
A 743 Grade CZ-100	ASTM	USA	Casting
A 744 Grade CZ-100	ASTM	USA	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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