



## Material - NBR CN-7MS

**Standard Specification for Castings, Stainless Steel and Other Alloys, Corrosion Resistant for General Use**

**Group - Ferrous Stainless Steel Alloys**

**Sub Group - NBR CN-7MS Castings, Stainless Steel and Other Alloys, Corrosion Resistant for General Use**

**Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries**

**Grade Belongs to the Industry - Casting**

Chemical Composition			Heat Treatment	
Carbon	C %	0.070 max.	Annealing or Hardening + Tempering	
Silicon	Si %	2.500 - 3.500		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	18.000 - 20.000		
Nickel	Ni %	22.000 - 25.000		
Molybdenum	Mo %	2.500 - 3.000		
Copper	Cu %	1.500 - 2.000		
Iron	Fe %	Balance		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa   485 min. Yield Strength in Mpa   205 min. Elongation in %   35 min. Reduction of Area in %   - Hardness in BHN   - Impact in Joule   -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G X 2 NiCrMoCuN 25-20	DIN	Germany	Casting
T 6 CuMoNiCr 200	STAS	Romania	Casting
J94650	UNS	USA	Casting
A743 CN7MS	ASTM	USA	Casting
1.4536	DIN	Germany	Casting
A744 CN7MS	ASTM	USA	Casting
A743 J94650	ASTM	USA	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](mailto:marketing@gravitycastindia.com)**

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