

## Material - DIN 2.4673

## Standard Specification for Nickel-Base Alloy NiCr23Co12Mo Rod and Forging

Group - Non-Ferrous Nickel Alloys

Sub Group - DIN 2.4673 Nickel-Base Alloy NiCr23Co12Mo Rod and Forging

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries Grade Belongs to the Industry - Rod and Forging

Chemical Composition		Heat Treatment	
C %	0.050 - 0.080		
Si %	0.300 max.		
Mn %	0.500 max.		
Cr %	21.000 - 23.000	As-Cast or Annealing or Age Hardning	
Co %	11.000 - 13.000		
Al %	0.800 - 1.300		
В %	0.001 max.		
Mo %	8.000 - 10.000		
Nb %	0.600 max.	Mechanical Properties	
P %	0.012 max.	Tensile Strength in Mpa	680 - 950
S %	0.008 max.	Yield Strength in Mpa	330 min.
Ti %	0.250 - 0.500	Elongation in %	30 min.
V %	0.600 max.	Reduction of Area in %	-
Fe %	1.500 max.	Hardness in HV	350 max.
Ni %	Balance	Impac <mark>t in Joule</mark>	80 @RT
	C % Si % Mn % Cr % Co % Al % B % Mo % Nb % P % S % Ti % V % Fe %	C %0.050 - 0.080Si %0.300 max.Mn %0.500 max.Cr %21.000 - 23.000Co %11.000 - 13.000Al %0.800 - 1.300B %0.001 max.Mo %8.000 - 10.000Nb %0.600 max.P %0.012 max.S %0.008 max.Ti %0.250 - 0.500V %0.600 max.Fe %1.500 max.	C % 0.050 - 0.080   Si % 0.300 max.   Mn % 0.500 max.   Cr % 21.000 - 23.000   Co % 11.000 - 13.000   Al % 0.800 - 1.300   B % 0.001 max.   Mo % 8.000 - 10.000   Nb % 0.600 max.   P % 0.012 max.   Ti % 0.250 - 0.500   Ti % 0.600 max.   V % 0.600 max.   Fe % 1.500 max.

Cross Reference Table				
Material	Standard	Country	Grade Belong to the Industry	
VDM alloy 617 B	Gravity	India	Pipe	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	

## 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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