

Material: ASTM A 744 Grade CD-4MCu

Standard Specification for Castings Iron-Chromium, Iron-Chromium-Nickel for General Engineering Purposes

Group: Ferrous Stainless Steel Alloys

Sub Group: ASTM A 744 Grade CD-4MCu Castings Iron-Chromium, Iron-Chromium-Nickel 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 %	0.040 max.	As Cast or Annealing or Normalizing or Hardening and Tempering	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	24.500 - 26.500		
Molybdenum	Mo %	1.750 - 2.250		
Nickel	Ni %	4.750 - 6.000		
Copper	Cu %	2.750 - 3.250		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	690 min.
-	-	-	Yield Strength in Mpa	485 min.
-	-	-	Elongation in %	16 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
332C13	BS	British	Casting
A 351 Grade CD4MCu	ASTM	USA	Casting
A 743 Grade CD-4MCu	ASTM	USA	Casting
A 890 CD4MCu	ASTM	USA	Casting
J93370	UNS	USA	Casting
2074/H10A	AS	Australia	Casting
CD-4MCu	NBR	Brazil	Casting

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