

# Material: ASTM A 351 Grade CD4MCu

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

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** ASTM A 351 Grade CD4MCu 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		
Carbon	C %	0.040 max.
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
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Cast or Annealing or Normalizing or Hardening and Tempering

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 743 Grade CD-4MCu	ASTM	USA	Casting
A 744 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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