

# Material: UNS J93370

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

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** UNS J93370 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		
-	-	-	<b>Mechanical Properties</b> 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 -	
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-	-	-		
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-	-	-		
-	-	-		
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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 744 Grade CD-4MCu	ASTM	USA	Casting
A 890 CD4MCu	ASTM	USA	Casting
2074/H10A	AS	Australia	Casting
CD-4MCu	NBR	Brazil	Casting

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