

Material: AISI 4330

Standard Specification for Castings, Investment, Carbon and Low Alloy Steel for General Application:nd Cobalt Alloy for High Strength at Elevated Temperatures

Group: Ferrous Mild Steel Alloys

Sub Group: AISI 4330 Castings, Investment, Carbon and Low Alloy Steel for General Application and Cobalt Alloy for High Strength at Elevated Temperatures

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade Belongs to

the Industry: Forging, Bar, Wire and Shape

Chemical Composition			Heat Treatment	
Carbon	C %	0.200 - 0.300	Annealing or Normalizing or Hardening + Tempering	
Silicon	Si %	0.080 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.250 max.		
Sulphur	S %	0.250 max.		
Chromium	Cr %	0.400 - 0.600		
Nickel	Ni %	1.000 - 1.500		
Molybdenum	Mo %	0.300 - 0.500		
			Mechanical Properties	
Iron	Fe %	Balance	Tensile Strength in Mpa	860 min.
-	-	-	Yield Strength in Mpa	690 min.
-	-	-	Elongation in %	15 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	285
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J23055	UNS	USA	Casting
4330	SAE	USA	Bar, Tube, Sheet, Strip and Forging
4340	AMS	USA	Bar and Forging
A732 9Q	ASTM	USA	Casting
J23015	UNS	USA	Casting
A487 10A	ASTM	USA	Casting
SA 487 10A	ASME	USA	Casting

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com