

Material: AMS 4330

Standard Specification for Alloy Steel Casting

Group: Ferrous Mild Steel Alloys

Sub Group: AMS 4330 Alloy Steel Casting

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry: Bar and Forging

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
4330	AISI	USA	Forging, Bar, Wire, and Shape
A732 9Q	ASTM	USA	Casting
J23015	UNS	USA	Casting
A487 10A	ASTM	USA	Casting
SA 487 10A	ASME	USA	Casting

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