

Material: UNS J23259

Standard Specification for Alloy Steel Casting

Group: Ferrous Mild Steel Alloys

Sub Group: UNS J23259 Alloy Steel Casting

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

Grade Belongs to the Industry: Casting

Chemical Composition		
Carbon	C %	0.280 -0.330
Silicon	Si %	0.300 - 0.600
Manganese	Mn %	0.600 - 0.900
Phosphorus	P %	0.035 max.
Sulphur	S %	0.040 max.
Chromium	Cr %	0.700 - 0.900
Molybdenum	Mo %	0.200 - 0.300
Nickel	Ni %	1.650 - 2.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As- Cast or Normalizing or Annealing or Hardening + Tempering

Mechanical Properties
Tensile Strength in Mpa
Yield Strength in Mpa
Elongation in %
Reduction of Area in %
Hardness in BHN
Impact in Joule

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A915 Grade SC 4330	ASTM	USA	Casting
4330	AISI	USA	Bar, Wire, Tube and Forging
4330	SAE	USA	Bar, Wire, Tube and Forging
4330	AS	Australia	Bar, Wire, Tube and Forging
4330	AMS	USA	Bar, Wire, Tube and Forging
4340	AS	Australia	Steel
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