

# 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			Heat Treatment	
Carbon	C %	0.280 - 0.330	As- Cast or Normalizing or Annealing or Hardening + Tempering	
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	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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