

# Material: UNS J13095

## Standard Specification for Alloy Steel Casting

**Group:** Ferrous Mild Steel Alloys

**Sub Group:** UNS J13095 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 - 1.000
Phosphorus	P %	0.035 max.
Sulphur	S %	0.040 max.
Chromium	Cr %	0.400 - 0.600
Molybdenum	Mo %	0.150 - 0.250
Nickel	Ni %	0.400 - 0.700
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

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

Mechanical Properties	
Tensile Strength in Mpa	610 min.
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 8630	UNS	USA	Casting
A 29 8630	ASTM	USA	Bar, Wire, Tube and Forging
A 505 8630	ASTM	USA	Bar, Wire, Tube and Forging
8630	AISI	USA	Bar, Wire, Tube and Forging
8630	SAE	USA	Bar, Wire, Tube and Forging
8630	AMS	USA	Bar, Wire, Tube and Forging
8630	AMS	USA	Bar, Wire, Tube and Forging

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