

Material: UNS J13502

Standard Specification for Steel Castings, Carbon and Alloy, Chemical Requirements Similar to Standard Grades

Group: Ferrous Mild Steel Alloys

Sub Group: UNS J13502 Steel Castings, Carbon and Alloy, Chemical Requirements Similar to Standard Grades

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 %	0.400 - 0.800
Phosphorus	P %	0.035 max.
Sulphur	S %	0.040 max.
Chromium	Cr %	0.800 - 1.100
Molybdenum	Mo %	0.150 - 0.250
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 4130	ASTM	USA	Casting
4130	AISI	USA	Bar, Wire, Tube and Forging
4150	SAE	USA	Bar, Wire, Tube and Forging
4150	AS	Australia	Bar, Wire, Tube and Forging
4150	AMS	USA	Bar, Wire, Tube and Forging
A 29 4130	ASTM	USA	Bar, Wire, Tube and Forging
A 505 4130	ASTM	USA	Sheet and Strip

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