

# Material: ASTM A 505 4130

## Standard Specification for Alloy Steel, Sheet, Strip, Hot-Rolled and Cold-Rolled

**Group:** Ferrous Mild Steel Alloys

**Sub Group:** ASTM A 505 4130 Alloy Steel, Sheet, Strip, Hot-Rolled and Cold-Rolled

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

**Grade Belongs to the Industry:** Sheet and Strip

Chemical Composition		
Carbon	C %	0.280 - 0.330
Silicon	Si %	0.150 - 0.300
Manganese	Mn %	0.400 - 0.600
Phosphorus	P %	0.040 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
J13502	UNS	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

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Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)



+91-99090 45075



[info@icastllp.com](mailto:info@icastllp.com)



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India