

Material: ASTM A29 4130

Standard Specification for Hot and Cold-Finished Carbon and Alloy Steel Bars

Group: Ferrous Mild Steel Alloys

Sub Group: ASTM A29 4130 Hot and Cold-Finished Carbon and Alloy Steel Bars

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

Grade Belongs to the Industry: Bar, Wire, Tube and Forging

Chemical Composition		
Carbon	C %	0.280 - 0.330
Silicon	Si %	0.150 - 0.350
Manganese	Mn %	0.400 - 0.600
Phosphorus	P %	0.035 max.
Sulphur	S %	0.040 max.
Chromium	Cr %	0.800 - 1.100
Molybdenum	Mo %	0.150 - 0.250
Nickel	Ni %	0.250 max.
Aluminium	Al %	0.020 max.
Niobium	Nb %	0.015 max.
Vanadium	V %	0.020 max.
Copper	Cu %	0.035 max.
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 505 4130	ASTM	USA	Sheet and Strip

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