

## 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			Heat Treatment	
Carbon	C %	0.280 - 0.330	As- Cast or Normalizing or Annealing or Hardening + Tempering	
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.		
			Mechanical Properties	
Vanadium	V %	0.020 max.	Tensile Strength in Mpa	-
Copper	Cu %	0.035 max.	Yield Strength in Mpa	-
Iron	Fe %	Balance	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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