

Material: AS 4150

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

Group: Ferrous Mild Steel Alloys

Sub Group: AS 4150 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 %	0.480 - 0.530	As- Cast or Normalizing or Annealing or Hardening + Tempering	
Silicon	Si %	0.100 - 0.350		
Manganese	Mn %	0.750 - 1.000		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	0.800 - 1.100		
Nickel	Ni %	0.350 max.		
Molybdenum	Mo %	0.150 - 0.250		
Copper	Cu %	0.350 max.		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa - Yield Strength in Mpa - Elongation in % - Reduction of Area in % - Hardness in HB 255 max. Impact in Joule -	
-	-	-		
-	-	-		
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-	-	-		
-	-	-		
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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	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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