

Material: ASTM A 505 4340

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

Group: Ferrous Mild Steel Alloys

Sub Group: ASTM A 505 4340 Alloy Steel, Sheet and Strip, Hot-Rolled and Cold-Rolled

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 %	0.380 - 0.430
Silicon	Si %	0.150 - 0.300
Manganese	Mn %	0.600 - 0.800
Phosphorus	P %	0.040 max.
Sulphur	S %	0.040 max.
Chromium	Cr %	0.700 - 0.900
Nickel	Ni %	1.650 - 2.000
Molybdenum	Mo %	0.200 - 0.300
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 4340	ASTM	USA	Casting
J24053	UNS	USA	Casting
4340	AISI	USA	Bar, Wire, Tube and Forging
4340	AS	Australia	Bar, Wire, Tube and Forging
4340	AMS	USA	Bar, Wire, Tube and Forging
4340	SAE	USA	Bar, Wire, Tube and Forging
A 29 4340	ASTM	USA	Bar, Wire, Tube and Forging

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