

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			Heat Treatment	
Carbon	C %	0.380 - 0.430	As- Cast or Normalizing or Annealing or Hardening + Tempering	
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	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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