

Material: ASTM A915 Grade SC 4140

Standard Specification for Steel Castings, Carbon, and Alloy, Chemical Requirements Similar to Standard Wrought Grades

Group: Ferrous Mild Steel Alloys

Sub Group: ASTM A915 / A915M Steel Castings, Carbon, and Alloy, Chemical Requirements Similar to Standard Wrought Grades

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

Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.380 - 0.430	As- Cast or Normalising or Annealing or Hardening + Tempering	
Silicon	Si %	0.300 - 0.600		
Manganese	Mn %	0.700 - 1.100		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	0.800 - 1.100		
Molybdenum	Mo %	0.150 - 0.250		
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
J14045	UNS	USA	Casting
4140	AISI	USA	Bar, Wire, Tube and Forging
4140	SAE	USA	Bar, Wire, Tube and Forging
4140	AS	Australia	Bar, Wire, Tube and Forging
4140	AMS	USA	Bar, Wire, Tube and Forging
A 29 4140	ASTM	USA	Bar, Wire, Tube and Forging
A 505 4140	ASTM	USA	Bar, Wire, Tube and Forging

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