

Material: ASTM A 915 Grade SC 8630

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

Group: Ferrous Mild Steel Alloys

Sub Group: ASTM A 915 Grade SC 8630 Steel Castings, Carbon and Alloy, Chemical Requirements Similar to

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

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.280 - 0.330	As- Cast or Normalizing or Annealing or Hardening + Tempering	
Silicon	Si %	0.300 - 0.600		
Manganese	Mn %	0.600 - 1.000		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	0.400 - 0.600		
Molybdenum	Mo %	0.150 - 0.250		
Nickel	Ni %	0.400 - 0.700		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	610 min.
-	-	-	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
J13095	UNS	USA	Casting
8630	AISI	USA	Bar, Wire, Tube and Forging
8630	SAE	USA	Bar, Wire, Tube and Forging
8630	AS	Australia	Bar, Wire, Tube and Forging
8630	AMS	USA	Bar, Wire, Tube and Forging
A 29 8630	ASTM	USA	Bar, Wire, Tube and Forging
A 505 8630	ASTM	USA	Bar, Wire, Tube and Forging

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