

Material: SAE 8625

Standard Specification for Alloy Steel Casting

Group: Ferrous Mild Steel Alloys

Sub Group: SAE 8625 Alloy Steel Casting, Bar, Wire, Tube and Forging

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 %	0.230 - 0.280	As- Cast or Normalizing or Annealing or Hardening + Tempering	
Silicon	Si %	0.150 - 0.350		
Manganese	Mn %	0.700 - 0.900		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	0.400 - 0.600		
Molybdenum	Mo %	0.150 - 0.250		
Nickel	Ni %	0.400 - 0.700		
Copper	Cu %	0.350 max.		
Lead	Pb%	0.150 - 0.350		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa - Yield Strength in Mpa - Elongation in % - Reduction of Area in % - Hardness in BHN 179 - 223 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 8625	UNS	USA	Casting
J12595	UNS	USA	Bar, Wire, Tube and Forging
A 29 8625	ASTM	USA	Bar, Wire, Tube and Forging
A 505 8625	ASTM	USA	Bar, Wire, Tube and Forging
8625	AISI	USA	Bar, Wire, Tube and Forging
8625	AMS	USA	Bar, Wire, Tube and Forging
8625	AS	Australia	Bar, Wire, Tube and Forging

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