Material: ASTM A 29 8625

Standard Specification for Hot - Cold Finished Carbon and Alloy Steel Bars

Group: *Ferrous Mild Steel Alloys*
Sub Group: *ASTM A 29 8625 Hot - Cold Finished Carbon and Alloy Steel Bars*
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 %	0.230 - 0.280
Silicon	Si %	0.150 - 0.300
Manganese	Mn %	0.700 - 0.900
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
Copper	Cu %	0.350 max.
Niobium	Nb %	0.025 max.
Vanadium	V %	0.050 max.
Aluminium	Al %	0.020 max.
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	0
Impact in Joule	0

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 505 8625	ASTM	USA	Bar, Wire, Tube and Forging
8625	AISI	USA	Bar, Wire, Tube and Forging
8625	SAE	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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