



Material - SAE 4617

Standard Specification for Former Sae Standard and Former Sae Ex-Steels

Group - Ferrous Mild Steel Alloys

Sub Group - SAE 4617 Former Sae Standard and Former Sae Ex-Steels

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

Grade Belongs to the Industry - Bar, Steel and Forging

Chemical Composition			Heat Treatment	
Carbon	C %	0.150 - 0.200	Normalising or Annealing or Hardening + Tempering	
Silicon	Si %	0.150 - 0.350		
Manganese	Mn %	0.450 - 0.650		
Phosphorus	P %	0.025 max.		
Sulphur	S %	0.025 max.		
Nickel	Ni %	1.650 - 2.000		
Molybdenum	Mo %	0.200 - 0.300		
Chromium	Cr %	0.200 max.		
Copper	Cu %	0.350 max.		
Vanadium	V %	0.020 - 0.080		
Niobium	Nb %	0.020 - 0.050	Mechanical Properties Tensile Strength in Mpa 860 min. Yield Strength in Mpa - Elongation in % - Reduction of Area in % - Hardness in HB 174 - 241 Impact in Joule 0	
Aluminium	Al %	0.020 - 0.050		
Iron	Fe %	Balance		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
4615.0000	SAE	USA	Steel
4617.0000	AISI	USA	Bar, Steel and Forging
4620.0000	SAE	USA	Steel
4615.0000	AISI	USA	Steel
4620.0000	AISI	USA	Steel
A757 C1Q	ASTM	USA	Casting
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Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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