

# Material: AMS 6150

## Standard Specification for Structural and Constructional Steels

**Group:** Ferrous Mild Steel Alloys

**Sub Group:** AMS 6150 Structural and Constructional Steels

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

**Grade Belongs to the Industry:** Bar and Forging

Chemical Composition			Heat Treatment	
Carbon	C %	0.480 - 0.530	Annealing or Normalizing or Hardening + Tempering	
Silicon	Si %	0.150 - 0.350		
Manganese	Mn %	0.700 - 0.900		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	0.800 - 1.1000		
Vanadium	V %	0.150 min.		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	1310 min.
-	-	-	Yield Strength in Mpa	1172 min.
-	-	-	Elongation in %	4 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J15048	UNS	USA	Casting
6150	SAE	USA	Bar, Tube, Sheet, Strip and Forging
6150	AISI	USA	Forging, Bar, Wire, and Shape
A732 12Q	AISI	USA	Casting
-	-	-	-
-	-	-	-
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