

# Material: SS 1606

## Standard Specification for High Carbon Cast Steel

**Group:** Ferrous Mild Steel Alloys

**Sub Group:** SS 1606 High Carbon Cast Steel

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

**Grade Belongs to the Industry:** Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.500 max.	Annealing or Normalizing or Hardening + Tempering	
Silicon	Si %	0.500 max.		
Manganese	Mn %	0.700 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa 621 min. Yield Strength in Mpa 345 min. Elongation in % 20 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1050.0000	AISI	USA	Forging, Bar, Wire, and Shape
50 CD 4-M	AFNOR NF	France	Casting
5152	SAE	USA	Steel
735 A 51	BS	British	Hot Formed Spring
C 3	MSZ	Hungary	Steel
C48GW-N-A	JIS	Japan	Forging
A732 4A	ASTM	USA	Casting

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