

Material: UNS J03003

Standard Specification for Carbon Steel Casting

Group: Ferrous Mild Steel Alloys

Sub Group: UNS J03003 Carbon Steel Casting

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

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.300 max.	Normalizing + Tempering or Hardening + Tempering	
Silicon	Si %	0.600 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.045 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-	Mechanical Properties Tensile Strength in Mpa 450 - 620 Yield Strength in Mpa 240 min. Elongation in % 24 min. Reduction of Area in % 35 min. Hardness in BHN - Impact in Joule -	
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-	-	-		
-	-	-		
-	-	-		
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-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SA-352 LCB	ASME	USA	Casting
1.1156	DIN	Germany	Casting
1.1156	EN	USA	Casting
GC24E	EN	European Union	Casting
A352 LCB	ASTM	USA	Casting
1.0619	DIN	Germany	Casting
1.0619	EN	European Union	Casting

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Customer Care: +91-99090 45075 Email: info@icastllp.com