

# Material: DIN GC24E

## Standard Specification for Castings for Constructional Carbon Steel

**Group:** Ferrous Mild Steel Alloys

**Sub Group:** DIN GC24E Castings for Constructional Carbon Steel

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

**Grade Belongs to the Industry:** Casting

Chemical Composition		
Carbon	C %	0.200 - 0.280
Silicon	Si %	0.300 - 0.500
Manganese	Mn %	0.500 - 0.800
Phosphorus	P %	0.030 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	0.300 max.
Nitrogen	N %	0.007 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing + Tempering or Hardening + Tempering

Mechanical Properties
Tensile Strength in Mpa
Yield Strength in Mpa
Elongation in %
Reduction of Area in %
Hardness in BHN
Impact in Joule

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
J03003	UNS	USA	Casting
A352 LCB	ASTM	USA	Casting
1.0619	DIN	Germany	Casting
1.0619	EN	European Union	Casting

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