

Material: BS 3100 Grade B7

Standard Specification for Steel Castings for General Engineering Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: BS 3100 Grade B7 Steel Castings for General Engineering Purposes

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

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.100 - 0.150	As Cast or Annealing or Normalizing or Hardening and Tempering	
Silicon	Si %	0.450 max.		
Manganese	Mn %	0.400 - 0.700		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	0.300 - 0.500		
Molybdenum	Mo %	0.400 - 0.600		
Nickel	Ni %	0.300 max.		
Copper	Cu %	0.300 max.		
Tin	Sn %	0.025 max.		
Vanadium	V %	0.220 - 0.300	Mechanical Properties Tensile Strength in Mpa 510 min. Yield Strength in Mpa 295 min. Elongation in % 17 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
2074/L5H	AS	Australia	Casting
660	BS	British	Casting
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-	-	-	-
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