

Material: BS 3100 Grade BT3

Standard Specification for Steel Castings for General Engineering Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: BS 3100 Grade BT3 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	
Phosphorus	P %	0.030 max.	As Cast or Annealing or Normalizing or Hardening and Tempering	
Sulphur	S %	0.030 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	1000 min.
-	-	-	Yield Strength in Mpa	695 min.
-	-	-	Elongation in %	6 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	293 - 362
-	-	-	Impact in Joule	20 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Grade E75	BS	British	Casting
H40	BS	British	Pipe and Tube
Grade E75	ONORM	Australia	Pipe and Tube
H40	ONORM	Australia	Pipe and Tube
Grade E75	BDS	Bulgaria	Pipe
H40	BDS	Bulgaria	Pipe and Tube
H40	CSN	Czech Republic	Pipe and Tube

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