



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

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

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

ONE STOP SOLUTION FOR METAL PARTS