



Material - BS BL2

Standard Specification for Low alloy steel; Steel castings for general engineering purposes

Group - Ferrous Mild Steel Alloys

Sub Group - BS BL2 Low alloy steel; 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 %	0.120 max.	Normalising or Annealing or Hardening + Tempering	
Silicon	Si %	0.600 max.		
Manganese	Mn %	0.800 max.		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.030 max.		
Nickel	Ni %	3.000 - 4.000		
Iron	Fe %	Balance		
-	-	-		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	460 min.
-	-	-	Yield Strength in Mpa	280 min.
-	-	-	Elongation in %	20 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
GS-10 Ni 14	DIN	Germany	Casting
G 9 Ni 14	EN	European Union	Casting
SCPL 31	JIS	Japan	Casting
Ao 10 Ni 14	MSZ	Hungary	Casting
G9Ni14	UNI	Italy	Steel
J31550	UNS	USA	Casting
A757 B2N B2Q	ASTM	USA	Casting

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.