

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		
Carbon	C %	0.120 max.
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
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Annealing or Hardening + Tempering

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

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