

## Material: BDS GX120Mn13

### Standard Specification for Steel Castings for General Engineering Purposes

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** BDS GX120Mn13 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 %	1.050 - 1.350	As Cast or Annealing or Normalizing or Hardening and Tempering	
Silicon	Si %	0.300 - 0.900		
Manganese	Mn %	11.000 - 14.000		
Phosphorus	P %	0.060 max.		
Sulphur	S %	0.045 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-	<b>Mechanical Properties</b>	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	-
			Yield Strength in Mpa	-
			Elongation in %	-
			Reduction of Area in %	-
			Hardness in BHN	300 max.
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
BW10	BS	British	Casting
Z 120 M 12 M	AFNOR NF	France	Casting
1.3401	DIN	Germany	Casting
1.3802	ONORM	Australia	Casting
1.3802	NBN	Belgium	Casting
1.3802	BDS	Bulgaria	Casting
GX120Mn13	NBN	Belgium	Casting

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