

Material: BDS 1.3802

Standard Specification for Steel Castings for General Engineering Purposes

Group: Ferrous Stainless Steel Alloys

Sub Group: BDS 1.3802 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		
-	-	-		
-	-	-	Mechanical Properties Tensile Strength in Mpa - Yield Strength in Mpa - Elongation in % - Reduction of Area in % - Hardness in BHN 300 max. Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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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
GX120Mn13	BDS	Bulgaria	Casting
GX120Mn13	NBN	Belgium	Casting

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