



Material - DIN 1.3401

Standard Specification for Steel Castings for General Engineering Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - DIN 1.3401 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 %	1.100 - 1.300	As Cast or Annealing or Normalizing or Hardening and Tempering	
Silicon	Si %	0.300 - 0.500		
Manganese	Mn %	12.000 - 13.000		
Phosphorus	P %	0.100 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	1.500 max.		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 800 - 1000 Yield Strength in Mpa 350 min. Elongation in % 40 min. Reduction of Area in % - Hardness in BHN - 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
1.3802	ONORM	Australia	Casting
1.3802	NBN	Belgium	Casting
1.3802	BDS	Bulgaria	Casting
GX120Mn13	BDS	Bulgaria	Casting
GX120Mn13	NBN	Belgium	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

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