

Material: UNI G X 120 Mn 12

Standard Specification for Alloy Steel; Special, Wear-Resisting Steel Sand Castings

Group: Ferrous Austenitic Manganese Steel Alloy

Sub Group: UNI G X 120 Mn 12 Alloy Steel; Special, Wear-Resisting Steel Sand Castings

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry: Casting

Chemical Composition		
Carbon	C %	1.000 - 1.400
Silicon	Si %	1.000 max.
Manganese	Mn %	10.000 - 14.000
Phosphorus	P %	0.100 max.
Sulphur	S %	0.050 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Annealing or Normalizing or Hardening + Tempering

Mechanical Properties	
Tensile Strength in Mpa	-
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HB	170 min.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
BW10	BS	British	Casting
X 120 Mn 12	DIN	Germany	Steel
110G13L	GOST	Russia	Casting
SCMnH 1	JIS	Japan	Casting
Z 120 M 12	AFNOR NF	France	Steel
J91109	UNS	USA	Casting
A128 Grade A	ASTM	USA	Casting

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India