

Material: ASTM A128 Grade A
Standard Specification for Steel Castings, Austenitic Manganese

Group: Ferrous Austenitic Manganese Steel Alloy
Sub Group: ASTM A128 / A128M Steel Castings, Austenitic Manganese
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		
Silicon	Si %	1.000 max.		
Manganese	Mn %	11.000 min.	Mechanical Properties	
Phosphorus	P %	0.070 max.	Tensile Strength in Mpa or Hardening + Tempering	
Iron	Fe %	Balance	Yield Strength in Mpa	-
-	-	-	Elongation in %	-
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Z 120 M 12	AFNOR NF	France	Steel
BW10	BS	British	Casting
X 120 Mn 12	DIN	Germany	Steel
110G13L	GOST	Russia	Casting
SCMnH1	JIS	Japan	Casting
G X 120 Mn 12	UNI	Italy	Casting
J91109	UNS	USA	Casting

