

Material-ASTMA128Grade B-4

Standard Specification for Steel Castings, Austenitic Manganese

Group-Ferrous Austenitic Manganese Steel Alloy

SubGroup-ASTMA128/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 %	1.200- 1.350	Normalising or Annealing or Hardening+Tempering	
Silicon	Si %	1.000 max.		
Manganese	Mn %	11.500- 14.000		
Phosphorus	P%	0.070 max.		
Iron	Fe%	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	-
			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	AFNORNF	France	Steel
BW10	BS	British	Casting
X 120 Mn 12	DIN	Germany	Steel
110G13L	GOST	Russia	Casting
SCMnH1	JIS	Japan	Casting
G X 120Mn 12	UNI	Italy	Casting
J91109	UNS	USA	Casting

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