

# Material - ASTM A128 Grade C

## 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	Normalising or Annealing or Hardening + Tempering
Silicon	Si %	1.000 max.	
Manganese	Mn %	11.500 - 14.000	
Phosphorus	P %	0.070 max.	
Chromium	Cr %	1.500 - 2.500	
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
J91309	UNS	USA	Casting
T 120 CrMn 130	STAS	Romania	Casting
AF-Mn-C	NBR	Brazil	Casting
Class C	NMX	Maxico	Casting
1.341	EN	European Union	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](mailto:marketing@gravitycastindia.com)**

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