



Material - UNS J91249

Standard Specification for Austenitic Manganese Steel Casting

Group - Ferrous Austenitic Manganese Steel Alloy

Sub Group - UNS J91249 Austenitic Manganese Steel Casting

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment			
Carbon	C %	0.700 - 1.300	Annealing or Normalising or Hardening + Tempering			
Silicon	Si %	1.000 max.				
Manganese	Mn %	11.500 - 14.000				
Phosphorus	P %	0.070 max.				
Molybdenum	Mo %	0.900 - 1.200				
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
T 100 MoMn 130	STAS	Romania	Casting
A128 Grade E-1	ASTM	USA	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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.