



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A757 Grade E3N

Standard Specification for Steel Castings, Ferritic and Martensitic, for Pressure-Containing and Other Applications, for Low-Temperature Service

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A757 / A757M Ferritic and Martensitic Steel Castings for Pressure-Containing and Low-Temperature Service

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.060 max.	Normalising or Annealing or Hardening + Tempering	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	11.500 - 14.000		
Nickel	Ni %	3.500 - 4.500		
Molybdenum	Mo %	0.400 - 1.000		
Tungsten	W %	0.100 max.		
Copper	Cu %	0.500 max.		
Other	%	0.500 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J91550	UNS	USA	Casting
GX 5 CrNiMo 13-4	DIN	Germany	Casting
1.4407	DIN	Germany	Casting
1.4313	EN	European Union	Casting
1.4313	ONORM	Austria	Casting
1.4313	DIN	Germany	Casting
1.4313	MSZ	Hungary	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.

ONE STOP SOLUTION FOR METAL PARTS