

Material: DIN GX 5 CrNiMo 13-4

Standard Specification for Alloy Steel Casting

Group: Ferrous Stainless Steel Alloys

Sub Group: DIN GX 5 CrNiMo 13-4 Alloy 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 %	0.080 max.	Normalizing or Annealing or Hardening + Tempering	
Silicon	Si %	1.500 max.		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.045 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	11.500 - 13.500		
Nickel	Ni %	4.000 - 5.000		
Molybdenum	Mo %	0.500 - 2.000		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	760 min.
-	-	-	Yield Strength in Mpa	550 min.
-	-	-	Elongation in %	15 min.
-	-	-	Reduction of Area in %	35 min.
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	27 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A757 Grade E3N	ASTM	USA	Casting
J91550	UNS	USA	Casting
1.4407	DIN	Germany	Casting
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-	-	-	-
-	-	-	-
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