



Material - UNS K13247

Standard Specification for Alloy Steel Casting

Group - Ferrous Mild Steel Alloys

Sub Group - UNS K13247 Alloy Steel Casting

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

Grade Belongs to the Industry - Steel

Chemical Composition			Heat Treatment	
Carbon	C %	0.300 - 0.350	Annealing or Normalising or Hardening + Tempering	
Silicon	Si %	0.200 - 0.500		
Manganese	Mn %	0.400 - 0.600		
Phosphorus	P %	0.025 max.		
Sulphur	S %	0.025 max.		
Chromium	Cr %	0.800 - 1.100		
Nickel	Ni %	0.250 max.		
Molybdenum	Mo %	0.150 - 0.250		
Copper	Cu %	0.350 max.	Mechanical Properties	
Iron	Fe %	Balance	Tensile Strength in Mpa	1030 min.
-	-	-	Yield Strength in Mpa	793 min.
-	-	-	Elongation in %	7 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J13045	UNS	USA	Casting
4130	SAE	USA	Bar, Tube, Sheet, Strip and Forging
A579 Grade 13	ASTM	USA	Forging
J13048	UNS	USA	Casting
4130	AISI	USA	Forging, Bar, Wire, and Shape
AMS 4130	AMS	USA	Bar and Forging
A732 7Q	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

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