



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - AMS 4130

Standard Specification for Tubing, Chrome-Molybdenum (4130 or 8630) Steel, Seamless and Welded

Group - Ferrous Mild Steel Alloys

Sub Group - AMS 4130 Tubing, Chrome-Molybdenum (4130 or 8630) Steel, Seamless and Welded

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

Grade Belongs to the Industry - Bar and Forging

Chemical Composition			Heat Treatment	
Carbon	C %	0.270 - 0.330	Annealing or Normalising or Hardening + Tempering	
Silicon	Si %	0.200 - 0.350		
Manganese	Mn %	0.400 - 0.600		
Phosphorus	P %	0.025 max.		
Sulphur	S %	0.025 max.		
Chromium	Cr %	0.800 - 1.100		
Molybdenum	Mo %	0.150 - 0.250		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	621 min.
-	-	-	Yield Strength in Mpa	483 min.
-	-	-	Elongation in %	15 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
K13247	UNS	USA	Steel
4130	AISI	USA	Forging, Bar, Wire, and Shape
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

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.

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