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		
Carbon	C %	0.270 - 0.330
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
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Annealing or Normalizing or Hardening + Tempering

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

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