

# 4130 Chrome Moly Bar

**a.e.d.**  
METAL PRODUCTS & SUPPLIES



4130, also known as Chrome Moly (so named for 2 key elements of its composition, chromium and molybdenum), is a general-purpose alloy steel that has been widely used by the aviation and motorsports industries for years. Weldability, fabrication, and mild hardenability make it a popular choice in all forms – tube, bar, sheet, and plate.

**4130 bars are produced in Round, Flat, Square, and Hex shapes**

Nearly all of our 4130 bars are produced as “Cold Finished Normalized,” which is also known as “Condition D4”. 4130 bars generally meet several AMS specifications, but the most common are AMS-S-6758 and AMS-6348, but several others may also apply.

## Typical Mechanical Properties – Condition F4\*

Tensile Strength min.	Yield Strength min.	Elongation min. % in 2”	Reduction of Area min.
125,000 psi	100,000 psi	17%	55%

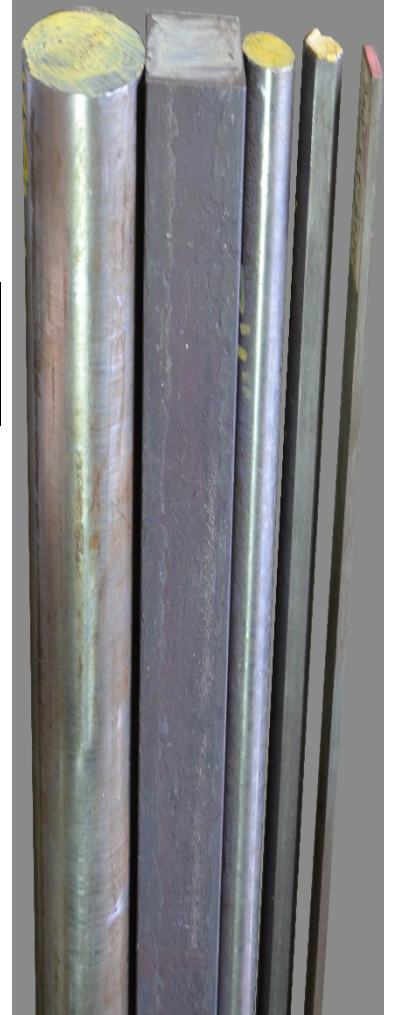
\* These properties apply to material in the Physical Condition F (hardened and tempered). This is the only published information available.

## Chemical Analysis – Percent by Weight

C	Mn	P	S	Si	Cr	Ni	Mo	Cu
.28 to .33	.40 to .60	.025 (max)	.025 (max)	.15 to .35	.80 to 1.10	.25 (max)	.15 to .25	.35 (max)

**4130 bars are produced in “random lengths” that range between 11 to 13 feet long.**

The best pricing is always when you order full lengths, which can be cut for economical shipping methods. A.E.D. also offers “cut-to-size” pieces.



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*This information is deemed reliable, but it is not guaranteed. This data is provided for information only, NOT FOR DESIGN PURPOSES.*