

1144 STRESSPROOF™ CF ROUND BAR

1144 Stressproof is a carbon-manganese free machining grade of steel. It has been severely cold worked to produce high tensile properties. It is a specially treated grade to relieve the stresses set up by the cold working, and therefore reducing warpage tendencies after machining, which is common in ordinary cold drawn bars. Welding 1144 Stressproof is not recommended.

This material is typically used in parts that would otherwise require heat-treating (a process generally not required in 1144 Stressproof).

Stressproof is a registered trademark of the LaSalle Steel Co.

Stressproof (includes 1144) Chemical Analysis

C	Mn	P (max)	S	Si	N
.40/.48	1.35/1.65	.04	.24/.33	.15/.30	.006/.009

MOTORSPORT PRODUCTS

1144 STRESSPROOF BAR

AED stocks several sizes of 1144 round bar. It is produced as a cold finished material in “random lengths” that can 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. AED also offers “cut-to-size” pieces.

1144 Stressproof meets ASTM A311, Class B.

1144 Stressproof Round Bar Typical Mechanical Properties:

	Through 2” diam	Over 2” diam to 3” diam	Over 3” diam
Tensile Strength (psi)	115,000	115,000	115,000
Yield Strength (psi)	100,000	100,000	100,000
Elongation (% in 2”)	8	8	7
Reduction of Area (%)	25	20	20
Rockwell “C” Hardness	26	25	24

Note: "Typical Mechanical Properties" have been compiled from a variety of sources. Information is deemed reliable, but it is not guaranteed. This data is provided for information only, **NOT FOR DESIGN PURPOSES.**