

# Admiral Hot Rolled 4130 Alloy P&O Spheroidized Annealed Steel Aircraft or Commercial Quality

SAE/AISI 4130 UNS# G41300

A chrome-moly alloy with relatively low carbon for general use where welding and moderate tensile properties are required. This is a continuous cast, fine grain, material that is produced to meet the exacting standards of the aircraft industry.

**STANDARD SPECIFICATIONS:** ACQ: AMS 6350 & 6351,  
CQ: ASTM A506 (sheets) A829 (plates)  
*See page 64 for foreign specifications.*

**TYPICAL ANALYSIS:** C .28/.33 Mn .40/.60 P .020 max. S .025 max Si .20/.35  
Cr .80/1.00 Mo .15/.25

**TYPICAL HARDNESS:** Rockwell B 85 max.

**TYPICAL APPLICATIONS:** Aircraft brakes, seatbelts, cargo hardware, gears, sprockets, tools, & machinery parts

**AVAILABLE FORMS:** Stock size sheets and plates. Material may also be Sheared, Laser Cut, Blanked, Edged, Deburred, and/or Re flattened to your specifications.

See our reference section for information regarding edge conditions, finish descriptions, gauge tolerances, heat treating information, hardness conversion tables and physical properties.

<b>STOCK GAUGES – Contact our office for availability of other gauges!</b>			
<b>AIRCRAFT QUALITY</b>		<b>COMMERCIAL QUALITY</b>	
Gauge Decimal	Lbs/Sq. Ft.	Gauge Decimal	Lbs/Sq. Ft.
.125	5.10	.134	5.63
.156	6.36	.164	6.88
.187	7.50	.187	7.50
.250	10.20	.250	10.20
		.312 *	12.73
		.375 *	15.30

\* This gauge is box annealed. Typical hardness is B 90 max.