

Admiral Hot Rolled 1095 Spring Steel As Rolled or P&O Spheroidized Annealed

SAE/AISI 1095 UNS# G10950

The highest of the carbon grades, this is a continuous cast, fine grain, fully killed steel (#5 or better). Material is low phosphorus, low sulfur, calcium treated to enhance internal cleanliness. In the as-rolled condition, material is well suited for abrasion resistant applications. In the annealed condition, the material may be cold formed (hot forming suggested for critical bends) with excellent heat treat results.

STANDARD SPECIFICATIONS: ASTM A568 (sheets) A830 (plates)
See page 64 for foreign specifications.

TYPICAL ANALYSIS: C .90/1.04 Mn .30/.50 P .020 max. S .025 max Si.15/.30

TYPICAL HARDNESS: As rolled: Rockwell C 15-45 Approx.
Annealed: Rockwell B 95 max Approx.

TYPICAL APPLICATIONS: Blades, hand tools, knives, shims, & springs

AVAILABLE FORMS: Stock size sheets and plates. Material may also be Sheared, Laser Cut, Blanked, Edged, Deburred, and/or Reflattened 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.

STOCK GAUGES – Contact our office for availability of other gauges!					
AS ROLLED			ANNEALED		
Gauge Decimal	Gauge Number	Lbs/Sq. Ft.	Gauge Decimal	Gauge Number	Lbs/Sq. Ft.
.122	11 Ga.	5.00	.122	11 Ga.	5.00
.184	7 Ga.	7.50	.184	7 Ga.	7.50
.250	-	10.20	.250	-	10.20
.312	-	12.76			
.375	-	15.32			
.500	-	20.42			

For accuracy, always refer to the decimal thickness when ordering!