

# Admiral Hot Rolled 1050 Spring Steel As Rolled or P&O Spheroidized Annealed

SAE/AISI 1050 UNS# G10500

A continuous cast, fine grain, fully killed steel (#5 grain or better). Material can be cold formed and heat treated to meet design specifications. Material is low phosphorus, low sulfur, calcium treated to enhance internal cleanliness.

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

**TYPICAL ANALYSIS:** C .47/.55 Mn .60/.90 P .020 max. S .025 max Si.15/.30

**TYPICAL HARDNESS:** As Rolled: Rockwell B 70-90 Approx.  
Annealed: Rockwell B 85 max Approx.

**TYPICAL APPLICATIONS:** Blades, brackets, clutches, hand tools, springs, scrapers, & washers

**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.

### 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.
.075	14 Ga.	3.13	.090	13 Ga.	3.75
.090	13 Ga.	3.75	.104	12 Ga.	4.38
.104	12 Ga.	4.38	.122	11 Ga.	5.00
.120	11 Ga.	5.00	.132	10 Ga.	5.63
.132	10 Ga.	5.63	.154	9 Ga.	6.25
.154	9 Ga.	6.25	.165	8 Ga.	6.88
.165	8 Ga.	6.88	.180	7 Ga.	7.35
.180	7 Ga.	7.35	.187	-	7.64
.187	-	7.64	.198	-	8.00
.250	-	10.20	.219	-	8.95
.312	-	12.76	.250	-	10.20
.375	-	15.32	.312	-	12.76
.437	-	17.87	.375	-	15.32
.500	-	20.42			