

Admiral Cold Rolled 1050 Spheroidized Annealed Spring Steel

SAE/AISI 1050 UNS# G10500

This is the most economical grade of the heat treatable annealed spring steels. This is a top quality, killed, fine grain (#5 or finer) material that is rolled to the closest possible gauge tolerances. Generally used where SAE hardening and tempering after forming is desired, but fatigue values and elastic limits are not critical. Good grain structure makes this type of annealed spring steel adaptable for forming with or against the grain with good hardening qualities.

STANDARD SPECIFICATIONS: ASTM A682 & A684, AMS 5085, QQS 700.
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: Rockwell B 82 max.

TYPICAL APPLICATIONS: Blades, clips, brackets, brake discs, clutches, springs, washers, wear strips

FINISH: #2

AVAILABLE FORMS: Stock size sheets and coils. Material may also be Slit, Sheared, Laser Cut, Leveled, 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!					
Gauge Decimal	Lbs/Sq. Ft.	Gauge Decimal	Lbs/Sq. Ft.	Gauge Decimal	Lbs/Sq. Ft.
.010	.41	.040	1.63	.078	3.18
.012	.49	.042	1.71	.083	3.39
.015	.61	.045	1.84	.093	3.79
.018	.73	.048	1.92	.100	4.09
.020	.82	.050	2.04	.109	4.45
.022	.90	.055	2.24	.120	5.00
.025	1.00	.058	2.36	.125	5.10
.028	1.14	.062	2.53	.134	5.47
.030	1.22	.065	2.65	.156	6.26
.032	1.30	.072	2.94	.165	6.73
.035	1.43	.075	3.06	.187	7.63