

Admiral Cold Rolled 1095 Spheroidized Annealed Spring Steel

SAE/AISI 1095 UNS# G10950

This material has the highest elastic limit and fatigue values of the commonly used spring steels. It is particularly suitable for high quality intricate shapes that can not be formed from pre-tempered steel. This is a top quality 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 5121, QQS 700. *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: Rockwell B 88 max.

TYPICAL APPLICATIONS: Flat & coil springs, hand tools, rule dies, cutting blades, knives, scrapers, & trowels

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 – <i>Contact our office for availability of other gauges!</i>					
Gauge Decimal	Lbs/Sq. Ft.	Gauge Decimal	Lbs/Sq. Ft.	Gauge Decimal	Lbs/Sq. Ft.
.010	.41	.040	1.63	.083	3.39
.012	.49	.042	1.71	.093	3.79
.015	.61	.045	1.84	.100	4.09
.020	.82	.048	1.92	.109	4.45
.022	.90	.050	2.04	.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	.187	7.63
.035	1.43	.078	3.18		