

INCONEL X750 SPRING TEMPER WIRE

Inconel X750 is a precipitation-hardenable nickel-chromium alloy used for its corrosion and oxidation resistance and high strength at temperatures to 1300°F. Meets AMS 5699.

Chemical Composition Per AMS-5699	%		Chemical Composition	%
Nickel	70.00 min		Manganese	1.00 max
Chromium	14.00 – 17.00		Silicon	.50 max
Iron	5.00 – 9.00		Sulfur	.010 max
Titanium	2.25 – 2.75		Copper	.50 max
Aluminum	.40 – 1.00		Carbon	.080 max
Columbium	.70 – 1.20		Cobalt	1.00 max
Tantalum	.050 max			

Tensile Strength Table (AMS-5699)

Diameter Inch.		Tensile
Up to .250 included		190,000 psi min
Over .250 to .625 included		160,000 psi min

The above charts are intended to provide general background information. You should also review the appropriate material specification. Please contact Gibbs Interwire if you have any questions.

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