

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 1300⁰ F. Wire is available in size ranges from .020”-.625”.

Chemical Composition Per AMS-5699 %		Chemical Composition	%
Nickel	70.00 min	Manganese	1.00 max
Chromium	14.00 – 17.00	Silicon	0.50 max
Iron	5.00 – 9.00	Sulfur	0.010 max
Titanium	2.25 – 2.75	Copper	0.50 max
Aluminum	0.40 – 1.00	Carbon	0.08 max
Columbium	0.70 – 1.20	Cobalt	1.00 max
Tantalum	0.05 Max		

Tensile strength Table (AMS-5699)

Dia. Inch.	Tensile
up to .250 incl.	190,000 psi min
Over .250 to .625 incl.	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 if you have any questions.