

Products & Sizes

Precision Reroll Strip

0.0008" - 0.015"

CoNiChome Chemical Composition

	Element	Percent by Weight Min	Percent by Weight Max
C	Carbon	-	0.15
Co	Cobalt	39.0	42.0
Cr	Chromium	18.5	21.5
P	Phosphorus	-	0.015
Be	Beryllium	-	0.001
Mo	Molybdenum	6.0	8.0
Si	Silicon	-	1.20
S	Sulfur	-	1.20
Fe	Iron	-	Balance
Ni	Nickel	14.0	18.0
Mn	Manganese	1.0	2.5

Industry Standards

Industry Applications

- Suture wires
- Surgical clops
- Pacemaker leads
- Stents
- Vena cava filters
- Orthopedic nails
- Precision springs
- Torsion bars
- Seals

Physical Properties

Property	Value
Density	0.300 lb/in ³
Magnetic Properties	This material is non-magnetic in its annealed, cold worked, and aged conditions.

Mechanical Properties

Condition	0.2% Yield Strength	Ultimate Tensile Strength	% Elongation in 4D	% Reduction of Area	Orientation
Annealed	52 ksi (359 MPa)	124 ksi (855MPa)	80	80	Long
Cold Worked	100-250 ksi (690-1724 MPa)	150-280 ksi (1034-1930 MPa)			Long
Cold Worked + Aged		250-300+ ksi (1724-2068+ MPa)			Long