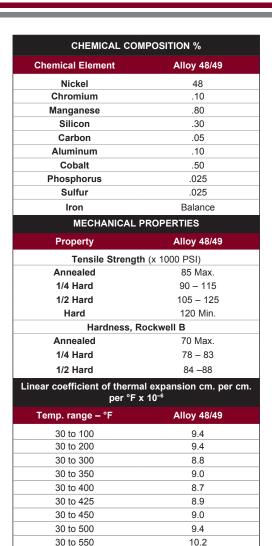
# ALLOY 48/49









Nickel Alloy 48/49 is a versatile alloy used in both for its Controlled Expansion characteristics as well as it's Magnetic Shielding capabilities.

This alloy is comprised of 48% Nickel with the balance of Iron offers a unique rate of expansion that makes it ideal for many applications such as Glass to Metals Seals, Hermetic Seals, Relay switches, Transformers and Cathode ray tubes.

Nickel Alloy 49/49 also has high-initial permeability, maximum permeability, and low core loss. This alloy exhibits the highest saturation flux density out of any other nickel-iron alloy making it a great fit for magnetic shielding applications where sensitive components are present. It's moderately resistant against weather and moisture corrosion. These alloys are often used in the aircraft and aerospace industry.



10.4

11.3

12.1

13.0

13.9

www.nealloys.com

30 to 600

30 to 700

30 to 800

30 to 900

30 to 1000

#### **EAST COAST**

3 Fir Court, Oakland, NJ 07436

201-337-9400 • Fax: 201-337-9698

Toll Free: 800-524-4309

Email: Sales@nealloys.com

#### **WEST COAST**

1335 East Warner Ave., Santa Ana, CA 92705

714-556-5561 • Fax: 714-556-5562

Toll Free: 877-632-9378 Email: Sales@nealloyswest.com

# ALLOY 48/49

# All Certified With Chemical & Physical Analysis

## **HOT ROLLED PLATE**

Thick.		Width		Length
.145	Χ	16.250"	Χ	72"
.250	Χ	16.250"	Χ	72"
.300	Χ	5"	Χ	72"
.300	Χ	3.500"	Χ	63"
.450	Χ	16.250"	Χ	72"
.550	Χ	16.250"	Χ	72"

Saw Cut or Sheared to Your Size

## **ROUND ROD**

.250 Diameter 1.500 Diameter 1.125 Diameter 1.750 Diameter 1.250 Diameter

### SHEET

Thick.		Width		Length
.025	Χ	15"	Χ	72"
.030	Χ	15"	Χ	72"
.060	Χ	9"	Χ	72"
.135	Χ	24"	Χ	72"

Will Shear to Your Size

## COIL

Cold Rolled — Slit to Your Width

#### **Thickness**

.004	Χ	8 or 12	.020	Χ	12
.006	Χ	8	.030	Χ	3.8
.010	Χ	12	.090	Χ	12.5
.014	Χ	12	.061	Χ	12.5

## Other sizes available on request

### National Electronic Alloys stocks the highest quality alloys for industry.

- ASTM F15 (Kovar)
- Invar 36
- Alloy 42
- Alloy 45/46
- Alloy 4750
- 48 Alloy
- 49 Alloy
- 52 Alloy
- Nickel 200/201/205/233
- Magnetic Shielding Alloys
- OFHC Copper 101/102
- 1010 Carbon Steel
- 301 Stainless Steel
- 302/304 Stainless Steel
- 316/316L Stainless Steel
- Molybdenum
- Nickel Silver 770
- Phosphor Bronze 510/521

#### Most orders ship within 24 hours

## An ISO Certified Corporation

Specialty Metal Service Center
Dedicated to Customer Service & Quality

NATIONAL ELECTRONIC ALLOYS

www.nealloys.com

#### **EAST COAST**

3 Fir Court, Oakland, NJ 07436

201-337-9400 • Fax: 201-337-9698

Toll Free: 800-524-4309

Email: Sales@nealloys.com

#### WEST COAST

1335 East Warner Ave., Santa Ana, CA 92705

714-556-5561 • Fax: 714-556-5562

Toll Free: 877-632-9378 Email: Sales@nealloyswest.com