

Certified to ASTM F30, AMS/MIL I 23011 Class 5







42 Alloy, a low expansion alloy, is very similar to Invar 36 with a slightly different Coefficient of Thermal Expansion. This nickel-iron alloy is ideal for lid, lead frames, stencil/etching, telecommunications and aircraft industry, offering a more affordable alternative to Kovar when a tight seal is not required.



42 Alloy has a virtually constant low rate of thermal expansion at temperatures up to approximately 650°F (343°C). Easily machined and formed hot or cold, 42 Alloy is also used extensively in the medical, electronics and automotive industries.

Let National Electronic Alloys help you analyze your business needs and objectives. Our procurement side and supply side experience can save you money and ensure that you make the best possible purchasing decisions.



Specialty Metal Service Center
Dedicated to Customer Service & Quality

NATIONAL ELECTRONIC ALLOYS ww.nealloys.com

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714-556-5561 • Fax: 714-556-5562

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

42ALLOY FROM STOCK

42 Alloy Plate

Thick.	١	Nidth	L	ength	Thick.	١	Nidth	L	ength
.157"	Χ	16.5"	Χ	72"	.450"	Χ	16.5"	Χ	72"
.195"	Χ	16.5"	Χ	72"	.500"	Χ	16.5"	Χ	72"
.270"	Χ	16.5"	Χ	72"	.750"	Χ	16.5"	Χ	72"
.320"	Χ	16"	Χ	63"	1	Χ	16"	Χ	72"
.375"	Χ	16"	Χ	72"	2	X	4.25	"X	48"
.410"	Χ	16.5"	Χ	72"					Billet

Custom plate sizing available upon request. We have shearing and saw cutting capabilities for plate.

42 Alloy Sheet

Thick.		Width		Length
.015"	Χ	12"	Χ	72"
.020"	Χ	24"	Χ	72"
.030"	Χ	24"	Χ	72"
.040"	Χ	24"	Χ	72"
.061"	Χ	24"	Χ	72"
.100"	Χ	24"	Χ	72"
.125"	Χ	24"	Χ	72"

We can shear to your width.

42 Alloy Roundbar

	Length
Χ	72"/144"
Χ	72"/144"
Χ	144"
Χ	115"
Χ	115"
Χ	132"/144"
Χ	135"
Χ	135"
	X X X X X

Custom Wire sizes available upon request.

42 Alloy Coil

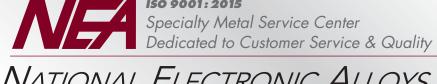
Base - Lead Frame - Deep Draw & Chemical Milling Quality

.004" x 12"	.0095" x 12"	.020" x 12"
.0045" x 1"	.010" x 12"	.025" x 12"
.005" x 12"	.010" x 12"	.030" x 12"
.006" x 12"	(halfhard)	.040 " x 12.5"
.0075" x 12"	.0142" x 12"	.050" x 12"l
.008" x 12"	.015" x 12"	.060" x 12"

Custom sizes available upon request.

Slitting, Cut to Length and Traverse Winding services available.

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