



ASTM F15 Ferro Cobalt Nickel Base Alloy Rods Nico2918 Round Bar Kovar 4j29

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE,ROHS,ISO 9001Product Name
- Model Number: Kovar 4J29
- Minimum Order Quantity: 5 Kg
- Price: 10 - 499 kilograms \$30.00
- Packaging Details: Plastic film or waterproof woven bag inside, wire packed in spool put into carton,coil wire or strip wire put into wooden case
- Delivery Time: 5-21 days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 300 tons per month



Product Specification

- Product Name: Kovar Bar
- Material: Nickel Base Alloy
- Ni (Min): 35%
- Resistance ($\mu\Omega.m$): Stable
- Powder Or Not: Not Powder
- Ultimate Strength ($\geq$ MPa): 690
- Elongation ($\geq$ %): 35%
- Application: Aerospace Industry,Chemical Industry,Marine Industry
- Chemical Composition: Fe ,Ni ,Co ,Al, Si ,Mn Etc.
- Size: Customized Size
- Highlight: Kovar Alloy Steel Rods, Kovar Alloy Round Bar



More Images



Product Description

Kovar Bar, also known as Kovar alloy bar, adopts the brand name Kovar. Kovar is a special low thermal expansion alloy composed of approximately 29% nickel, 17% cobalt and 53% iron. It is widely used in industrial fields for its excellent thermal expansion properties and dimensional stability. The main feature of the Kovar Bar is its matching thermal expansion coefficient to that of glass. This makes it an excellent packaging material and is widely used in the electronic packaging industry. Kovar Bar's thermal expansion properties are very close to those of glass, so stress and mismatch issues between the packaging material and glass are greatly reduced when temperature changes. This ensures package stability and reliability.

Alloy Type	Trade Name	UNS No.	Specifications	Forms Of Supply	

Our Product Introduction

					Rod	Strip		Wire
Ni29Co17	Kovar	K94610	ASTM F15		√	√		√
FeNi36	Invar 36	K93603	ASTM 1684		√	√		
FeNi32Co5	Super Invar 32-5	KI93500	ASTMF1684		√	√		
FeNi27Co25	Ceramvar	F1466	ASTMF1466		√	√		√
FeNi42	Alloy 42	K94100	ASTM F30		√	√		
FeNi46	Alloy 46	K94600	ASTM F30		√	√		
FeNi48	Alloy 48	K94800	ASTMF30		√	√		
FeNi50	Alloy 52	K95050	ASTM F30		√	√		√

Item	1J33	3J01	3J9	4J29	4J32	4J33	4J45	FeNi50
C	≤0.05	≤0.05	0.22-0.26	≤0.03	≤0.05	≤0.03	≤0.05	≤0.05
Mn	≤0.05	≤1.00	1.80-2.20	≤0.5	0.2-0.6	≤0.5	≤0.8	≤0.8
Fe	Rest							
P	≤0.020	≤0.020	≤0.03	≤0.02	≤0.02	≤0.02	≤0.02	≤0.02
S	≤0.020	≤0.020	≤0.020	≤0.02	≤0.02	≤0.02	≤0.02	≤0.02
Si	0.30-0.6	≤0.80	1.30-1.70	≤0.3	≤0.2	≤0.3	≤0.3	≤0.3
Ni	32.8-33.8	34.5-36.5	9.0-10.5	28.5-29.5	31.5-33	28.5-29.5	44.5-45.5	49.5-50.5
Al	1.0-2.0	1.00-1.80	--	--	--	--	≤0.1	≤0.1
Co	--	--	--	16.8-17.8	3.2-4.2	16.8-17.8	-	-
Ti	-	2.70-3.20	-	-	-	-	-	-
Cu	-	--	--	--	≤0.2	0.4-0.8	≤0.2	--
Cr	--	11.5-13.0	19.0-20.5	≤0.2	--	≤0.2	--	--
Mo	--	--	1.60-1.85	≤0.2	--	≤0.2	--	--



Shape	Size(mm)
Wire	0.5-7.5
Rod/Bar	8.0-200
Strip	(0.5-2.5)*(5-180)
Tube	custom made
Plate	custom made



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