



Factory Price Customized Kovar Expansion Precision Alloy Ni29Co18 Uns K94610 (4J29) Round Bar/Rods

Our Product Introduction

for more products please visit us on victory-alloy.com

Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE, ROHS, ISO 9001 Product 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

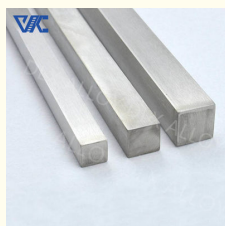


Product Specification

- Product Name: Kovar Bar
- Material: Nickel Base Alloy
- Ni (Min): 35%
- Resistance ($\mu\Omega\cdot m$): 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 has good dimensional stability. It maintains small dimensional changes when temperature changes, so it is widely used in fields such as high-precision instruments, astronomical equipment, and precision machinery. Kovar Bar maintains a dimensional match with other components, reducing material stress and mismatch issues caused by thermal expansion, ensuring device accuracy and stable performance.

Kovar Bar also offers good workability and weldability. It can be manufactured by hot or cold working into rods of various diameters and lengths to meet the needs of different applications. At the same time, Kovar Bar can also be easily welded to connect with other materials. This makes Kovar Bar more flexible during the manufacturing process and able to adapt to a variety of complex packaging and connection requirements.

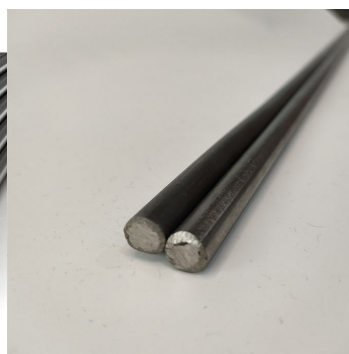
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Alloy Type	Trade Name	UNS No.	Specifications	Forms Of Supply			
				Rod	Strip		Wire
Ni29Co17	Kovar	K94610	ASTM F15	√	√		√
FeNi36	Invar 36	K93603	ASTM 1684	√	√		
FeNi32Co5	Super Invar 32-5	KI93500	ASTMF1684	√	√		
FeNi27Co25	Ceramvar	F1466	ASTMF1466	√	√		√
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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