

C7701 C7521 Nickel Silver strip

Nickel silver alloy factory, more than 10 years manufacture experience, attained ISO9001, work on OEM and ODM projects..

1. Introduction of the C7701 C7521 Nickel Silver strip

C7701 C7521 Nickel Silver Alloys, also called Copper-Nickel-Zinc alloys, which has good formability, good corrosion and tarnish-resistance performance, and this alloy has the pleasing silver-like color.



2. Grade and temper for C7701 C7521 Nickel Silver strip

Grade: UNS.C77000, CDA770, CuNi18Zn27, JIS C7701, BZn18-27 ,CW410J
UNS C75200, CDA752 , CuNi18Zn20, JIS C7521, BZn18-20, CW409J
Temper: O(M), 1/4H(Y4), 1/2H(Y2), H(Y), HH(T)

3. Chemical composition of C7701 C7521 Nickel Silver strip

C7701 Chemical Composition:

Cu: 54.0-58.00%

Ni: 16.5.00-19.5%

Fe: 0.25% Max.

Pb: 0.05% Max.

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Mn: 0.50% Max.

Zn: Balance

C7521 Chemical Composition:

Cu: 62.0-66.00%

Ni: 16.5.00-19.5%

Fe: 0.25% Max.

Pb: 0.05% Max.

Mn: 0.50% Max.

Zn: Balance

Material	Grade	Chemical Composition							
		Be	Ni	Co	Sn	Mn	Fe	Pb	Cu
Nickel silver	C7701	~	16.5-19.5	~	~	0~0.5	≤0.25	≤0.05	54-58
	C7521	~	16.5-19.5	~	~	0~0.5	≤0.25	≤0.05	62-66

4. Dimension and tolerance of C7701 C7521 Nickel Silver strip

Thickness mm	Width mm							
	≤200		>200~400		>400~600		>600~1000	
	Thickness tolerance / ± mm							
	Ordinary Level		Ordinary Level		Ordinary Level		Ordinary Level	
0.10~0.20	0.010		0.015		0.015		—	
>0.20~0.30	0.015		0.020		0.020		—	
>0.30~0.50	0.020		0.025		0.030		0.050	
>0.50~0.70	0.030		0.035		0.040		0.060	
>0.70~1.10	0.040		0.045		0.050		0.070	
>1.10~1.50	0.050		0.055		0.060		0.080	
>1.50~2.50	0.055		0.060		0.080		0.100	

5. Characteristics of C7701 C7521 Nickel Silver strip

Mechanical Properties				
Alloy No				

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	Quality Grade	Tensile Strength (Kgf/mm)	Elongation %	Hardness Test HV
C7521	O	≥38.5	≥20	~
	1/2H	45~58	≥5	120~180
	H	55 以上	≥3	≥150
C7701	1/2H	55~66	≥8	150~210
	H	64~75	≥5	180~240
	EH	72~82	~	240~260
	SH	78~88	~	230~270

6. Application of C7701 C7521 Nickel Silver strip

C7701 C7521 Nickel Silver strip is mainly used in Liquid crystal oscillator component housing, medical machinery, slides for potentiometers, precision instruments, architecture, wind instruments, etc.

7. Manufacture plant of C7701 C7521 Nickel Silver strip



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8. Tests and inspection for C7701 C7521 Nickel Silver strip

Test instrument : Metallographic Microscope; Digital Light Processor; Strength Tester; Hardness Tester.



9. Mill certificate for C7701 C7521 Nickel Silver strip

CERTIFICATE



10. Packing and shipping for C7701 C7521 Nickel Silver strip

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Packing:

First wrapped by anti-rust paper, second wrapped by plastic film, then packed by wooden box or wooden pallet ..



Shipping:

We will choose the best way according to customer's requests.

1. By Air, to the indicated airport.
2. By Express (FedEx, UPS, DHL, TNT, EMS), to the indicated address.
2. By Sea, to the indicated sea port.

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11. Questions and Answers

a1. Do you have ISO certificate?

Yes, we obtained ISO9001

a2. How long is your delivery time for Nickel Silver strip?

If the master coil is available, 3-7 days do slitting will be ready, if not, will need 20-25 days for new production.

a3. Can you help us to choose suitable material?

Yes, we can recommend the most suitable material according to your application.

a4. How do you control quality?

We produce strictly according to customer's drawings and requests, here are strict control plan in every process, full check of each parts, strive to provide customer 100% quality products, ROHS/SGS test report, material certificate are available.

a5. Do you provide sample? Free or charge?

Yes, if the sample in stock available, free of charge, if not, need to charge some mfg cost.