



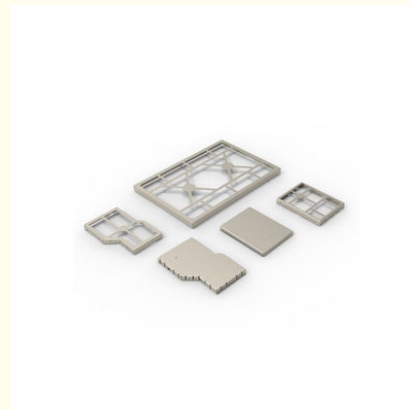
Stamping Nickel Silver Shielding Frames Aerospace-Grade Corrosion Resistance & High-Strength Composite Forming

Our Product Introduction

for more products please visit us on cnc-metalmachining.com

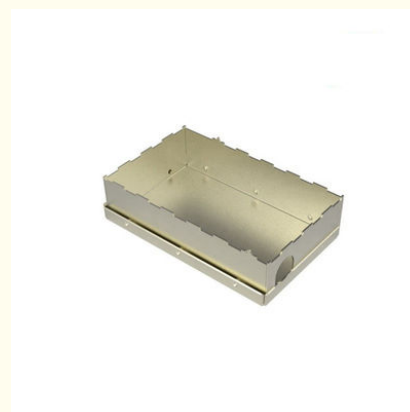
Basic Information

- Place of Origin: China
- Brand Name: Xianheng
- Certification: ISO 9001:2015 SGS RoHS
- Model Number: RF-XG-29
- Minimum Order Quantity: 1 pcs
- Price: USD 0.01\$-0.5\$
- Packaging Details: Carton Wooden case
- Delivery Time: 5-8 days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 10000 SET per week



Product Specification

- Products: SMD EMI PCB RF Shield Cover, stamping Contacts, Metal Parts
- Process: Metal Sheets Fabrication, Welding Cutting Punching Stamping
- Application: SMD EMI PCB RF Shield Cover, Mobile PCB Cover
- Tolerance: $\pm 0.02\text{mm}$
- Equipment: Precision Stamping Parts
- Material: Tin Plate Copper-Nickel-Zinc Alloy
- Function: Shielding Cover
- Used: PCB Board, mobile Phones Cover, Computers, GPS, Watches, Digital Products And Other Electronic Products, Prevent Electromagnetic Interference (EMI), On PCB Components And LCM Shield
- Surface Finishing: Normal, tin Plating, nickel Plating
- Package: Plastic Bag, Blister Box, Tap Reel Or As Your Required



More Images



Product Description

What We Can Provide

Stamping Nickel Silver Shielding Frames Aerospace-Grade Corrosion Resistance & High-Strength Composite Forming

Description Of Stamping Nickel Silver Shielding Frames Aerospace-Grade Corrosion Resistance & High-Strength Composite Forming

Stamping Nickel Silver Shielding Frames are precision-engineered components designed for aerospace applications, leveraging the unique properties of Nickel Silver alloy—a blend of nickel, silver, copper, and zinc—to deliver exceptional electromagnetic interference (EMI) shielding, corrosion resistance, and mechanical strength. Manufactured through advanced stamping and composite forming techniques, these frames are tailored to meet the rigorous demands of aerospace environments, where durability, weight efficiency, and reliability are paramount.

Material Of Stamping Nickel Silver Shielding Frames Aerospace-Grade Corrosion Resistance & High-Strength Composite Forming

Material and Testing Report		
Metal	Aluminum	Aluminum 2024 Aluminum 5052 Aluminum 6061-T6 Aluminum 6063 Aluminum 7075 Aluminum MIC 6
	Stainless steel	SUS303, SUS304, SS316, SS316L
		UNS S32304 UNS S32003 UNS S31803 UNS S32205
		UNS S32760 UNS S32750 UNS S32550 UNS S32707 UNS S33207
	Steel	12L14 4140 1018 1045 12L14 4130 4142 ,O1 tool steel, D2 tool steel,A36 1008 ,Alloy42
	Titanium	Grades 1-4 Grade 5 Grade 9
	Brass	260, C360, H59, H60, H62, H63, H65, H68, H70
	Copper	
	Phosphor bronze	
	Bronze	C932
	Carbon fiber	
	PTFE	Polytetrafluoroethylene (PTFE)
Plastic	Acetal	(Polyoxymethylene (POM)) [Delrin]
	PEEK	Polycarbonate
	Polystyrene	Polyether Ketone
	Nylon	
	ABS	
	PVC	
	Acrylic	
	G-10 Garolite	
	Fiberglass	

Finish Result	
As Machined	Sharp edge and burrs will be removed
Bead Blast	The part surface is left with a smooth, matte appearance
Anodized	Type II creates a corrosion-resistant finish. Parts can be anodized in different colors—clear, black, red, and gold are most common—and is usually associated with aluminum.
	Type III is thicker and creates a wear-resistant layer in addition to the corrosion resistance seen with Type II.
Powder Coat	This is a process where powdered paint is sprayed onto a part which is then baked in an oven. This creates a strong, wear- and corrosion-resistant layer that is more durable than standard painting methods. A wide variety of colors are available to create the desired aesthetic.
Customized	Contact us via email, skype, whatsapp. We will look into a finishing process for you.
Others	
Tolerance	+/-0.005mm
Lead Time	1-2 weeks for samples, 3-4 weeks for mass production
Drawing Accepted	Solid Works, Pro/Engineer, AutoCAD(DXF, DWG), PDF
Payment Terms	TT/Paypal/WestUnion

Industries Of Stamping Nickel Silver Shielding Frames Aerospace-Grade Corrosion Resistance & High-Strength Composite Forming

1. Aircraft parts
2. Automobile parts
3. Fixture parts
4. Medical parts
5. Petro chemical parts
6. Education parts

Features Of Stamping Nickel Silver Shielding Frames Aerospace-Grade Corrosion Resistance & High-Strength Composite Forming

1. High precision
2. Short processing time
3. Easier customized/personalized

Why Choose Us

Our Advantages

Aerospace-Grade Corrosion Resistance: The Nickel Silver alloy resists pitting, crevice corrosion, and environmental degradation in harsh aerospace environments (e.g., salt spray, fuel vapors, and atmospheric pollutants), maintaining shielding effectiveness and structural stability over decades of service.

High Strength-to-Weight Ratio: The composite forming process combines Nickel Silver with high-strength materials (e.g., titanium or carbon fiber reinforcements) to create lightweight yet robust frames, reducing overall system weight without compromising mechanical performance—critical for fuel efficiency and payload capacity in aerospace applications.

Precision Stamping for Complex Geometries: Advanced stamping techniques enable the production of intricate, custom-fit shielding frames with tight tolerances, ensuring seamless integration into aerospace hardware (e.g., avionics enclosures, satellite components) while minimizing gaps or seams that could compromise EMI shielding.

Thermal and Mechanical Stability: The frames maintain dimensional stability and shielding performance across extreme temperature ranges (-60°C to 300°C) and under high mechanical stress (e.g., vibration, shock, and thermal cycling), ensuring reliability in launch, re-entry, and in-orbit operations.

Techniques Available

• SLA

• SLS

• MJF

• SLM



FAQ

Q1: Where can I get product & price information?

A1: Send us inquiry e-mail, we will contact you as we receive your mail.

Q2: How long can I get the sample?

A2: Depends on your specific items, within 3-7 days is required generally.

Q3: What kinds of information you need for quote?

A3:Kindly please provide the product drawing in PDF, and will be better you can provide in STEP or IGS.

Q4: What are the payment terms?

A4: We accept 50% as payment deposit, when the goods is done, we take photos for your check and you then pay the balance.

Q5: Are you a trading company or factory?

A5:We are direct factory with 10 experienced engineers and more than 650 employees as well approximate 2,000 square ft. workshop area.

Q6: What shall we do if we do not have drawings?

A6:Please send your sample to our factory, then we can copy or provide you better solutions. Please send us pictures or drafts with dimensions (Length, Hight, Width), CAD or 3D file will be made for you if placed order.



Shenzhen Xianheng Technology Co.,Ltd



0086-13682614486



shawn@xianheng-tech.com



cnc-metalmachining.com

Room 8-1409, Xingji jia yuan building 8-9#, HongXing community, Songgang street, Bao'an District, Shenzhen City China