ASTM F1472 Titanium Forging

ASTM F1472 applies to the chemical composition, mechanical properties, and metallurgical quality requirements of wrought annealed Ti-6Al-4V alloy for surgical implants.

Our ASTM F1472 titanium forgings ensure the reliability of the material in terms of biocompatibility and mechanical properties, making it an ideal choice for manufacturing implants such as artificial joints, bone nails, bone plates, etc. Through strict control of the alloy's chemical composition and heat treatment process, titanium ASTM F1472 forgings products can meet the high requirements of surgical implants for strength, corrosion resistance, and long-term stability.

Product Features

High Strength: Exceptional tensile and yield strength meets demanding mechanical performance requirements.

Lightweight: Low density reduces overall structural weight and improves efficiency.

Excellent Corrosion Resistance: Suitable for harsh environments, including bodily fluids.

Thermal Stability: Maintains mechanical properties and structural integrity even in high-temperature environments.

ASTM F1472 Titanium Technical Specifications

Chemical composition	N(max):0.05%,C(max):0.08%, H(max):0.015%, Fe(max): 0.30%, O(max): 0.20%, Al: 5.5-6.75%, V:3.5-4.5%, Y(max): 0.005%, Ti: balance
Customized ASTM F1472 Forging	Customized services of various sizes and shapes can be provided according to customer needs.
Surface treatment	Anodizing, picking, sandblasting, machining
Condition	Annealed or cold-processed
Heat treatment process	Provide various heat treatment methods such as annealing, solution treatment, aging treatment, etc.
Quality assurance	Comply with ISO 9001 quality management system control process

Mechanical properties:

Size,Nominal Diameter or Distance Between Parallel Sides, in. (mm)	Tensile Strength, psi (MPa),min	Yield Strength, at 0.2 % offset, psi (MPa) min	Elongation in 2 in.(50mm),or 4D or 4T,%, min			Reduction of Area min,%		
			L	LT	ST	L	LT	ST
Up to 2.0(50), incl	135 000(930)	125000(860)	10	...	...	25	...	...
Over 2.0 to 4.0(50 to 100), incl	130 000(895)	120000(825)	10	10	10	25	20	15
Over 4.0 to 6.0(100 to 150), incl	130 000(895)	120000(825)	10	10	8	20	15	15

Baoji Zecheng Metal Materials Co., Ltd.

Customer Service for ASTM F1472 Forging

Technical Support – Expert consultation to choose the right specifications and material.

Customized Solutions – Tailored forging and fast delivery to meet your project needs.
Personal Assistance – One-to-one support from our sales and technical team for any questions or special requests.

1. What is ASTM F1472 Ti Forging used for?
It is widely used in surgical implants, including artificial joints, bone plates, bone nails, spinal fixation devices, and dental implants.
2. Can I get a free sample of Titanium Forging?
Yes, our factory provides Titanium ASTM F1472 Forgings Free Sample upon request, depending on size and project requirements.
3. How can I buy from China?
You can buy ASTM F1472 Ti Forgings directly from our factory. We offer competitive prices and support small or bulk orders with fast delivery.
4. Do you offer discounts for bulk orders?
Yes, we provide options to buy discount ASTM F1472 Titanium Forgings, depending on order quantity and project requirements.

Contact Us Today to order ASTM F1472 Titanium Forgings or request a free sample. Trust Baoji Zecheng Metal Materials Co., Ltd., a reliable Titanium Forging supplier and manufacturer in China, for all your surgical implant titanium forging needs.

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