



JINXIN STUDS

ISO certificate



Tungsten Carbide Tire Studs



..... Zhuzhou Jinxin Carbide Tire Stud Co., Ltd.

C COMPANY HONOR

Honor represents the recognition and affirmation of our brand or products by the public and customers, is one of the sources of brand influence and trust, and reflects the hard power of the company.

Over the years, we have attached great importance to product innovation, and regard product quality as life under our continuous efforts. We have won many honors, but we are not complacent about it, but as a ladder to a higher goal.



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COMPANY PROFILE



Zhuzhou Jinxin Carbide Tire stud Co.,Ltd. have 13 years of working experience in tire studs, and have been focusing on the research and development and production of tire studs. Now Jinxin tire Studs have won the honor of National High-tech Enterprise, Specialized Special New Little Giant Enterprise, and Technology-based Small and Medium-sized Enterprises. This market leading international company has always focused - on research and development - on testing and developing its products in order to achieve the best possible quality and performance for its customers. As part of the long-term development, Jinxin Studs has established an industry-university-research base with Hunan University of Technology. The university's doctoral and research expert teams continue to provide materials research, structural research, and production automation research for Jinxin Studs. Long-term support, the strong technical team of Jinxin tire studs will always help you achieve your favorite cleat model and size.

We have produced more than 80 types of tire studs, and are the company with the most varieties of tire studs in the world. We provide customized development of non-standard tire studs. We also follow business rules and keep business secrets for customers.

Our tire studs are widely used in passenger cars, motorcycles, bicycles, forklifts, trucks, tractors, ATVs, snowplows, on-road vehicles, construction equipment and footwear. We also supply tire manufacturers, tire wholesalers and individual entrepreneurs with high-quality stud equipment and spare parts for manual and semi-automatic studs of any type of tires.

In the "Jinxin" plan, we found that our main competitors come from Europe, but as the world's manufacturing center, the quality and quantity of our tire studs will surpass Europe.

As the largest manufacturer of tire stud pin, China is the core of the tire stud pin tungsten carbide protrusions. More than 90% of the world's tire stud pin come from China, so China is the key component of tire studs. Research is the most advanced, cutting-edge, and high-end in the world. Chinese tire studs are often better than Europe in terms of cost performance, and dare to compete with Europe in terms of quality and quality. Our quality is by no means inferior to Europe. We are strict Advanced manufacturing standards and perfect quality control testing standards ensure the excellent quality of our tire studs.

Zhuzhou Jinxin tire Studs--the world's leading research and development and production enterprise of tire studs, choose Jinxin, believe in Jinxin, and we will work together to create a better future.

Cemented carbide studs pin series



GRADE	Co+...	Hc	Den	RS	Hv30	metallographic
JX019	7.5-9.0	11.0-14.0	12.68-12.78	80-90	1400-1600	A04B02C02E00
JX021	10.0-12.0	10.0-12.0	12.10-12.20	80-90	1400-1600	A04B02C02E00
JX025	9.0-11.2	10.2-11.2	12.77-12.87	87-97	1380-1480	A04B02C02E00



Studs pin production equipment



Sintering furnace

Carbide studs pin is the main working accessory of the tire stud. After being assembled with the tire stud set, it is fixed to the tire surface as a whole to play an anti-skid role. Through years of exploration and experience accumulation, the company has fully matured its production technology and quality management methods. At present, our company has formed a highly automated production capacity, with a monthly output of 1.06 billion grains per month, and the current monthly production capacity is 10 tons.

Advanced tire studs equipment



Studs body forming machine



Automatic packing machine



Turning processing equipment



Finished product inspection



Plastic tire studs equipment



Automatic assembly machine

Jinxin adopts advanced production equipment and technology, and strictly follows the requirements of the ISO9001 quality management system to ensure the quality and stability of products. In the testing process, it is equipped with a complete set of quality testing equipment and tools, including tensile testers, alloy wear resistance testing machines, three-coordinate measuring machines, hardness testers, microscopes, metallographic microscopes, etc. Jinxin's inspectors are professional technicians who have received professional training and many years of work experience. They can conduct comprehensive and meticulous inspection and evaluation of products to ensure that the pass rate and performance indicators of products meet international standards and customer needs.

In terms of quality control, a strict quality management system and quality control process are adopted to conduct comprehensive and meticulous monitoring and management of raw materials, production processes, product testing and other links. Jinxin focuses on continuous improvement and technological innovation, actively carries out research and development work, improves product quality and performance, and continuously introduces new products and solutions to meet customer needs.

Two-flange tire studs



Picture	Item NO.	Body length	Overall length	Base diameter	Pin diameter	Application
		H(mm)	H(mm)	mm	mm	
	JX8.0-10-2	9	10	8.0	2.3	Loader, Skid Steer, Tractor, Forklift, Motorcycle, Off-Road Vehicle/
	JX8.0-11-2	10	11	8.0	2.3	
	JX8.0-12-2	11	12	8.0	2.3	
	JX9.0-10-2	9	10	9.0	2.3	
	JX9.0-11-2	10	11	9.0	2.3	
	JX9.0-12-2	11	12	9.0	2.3	

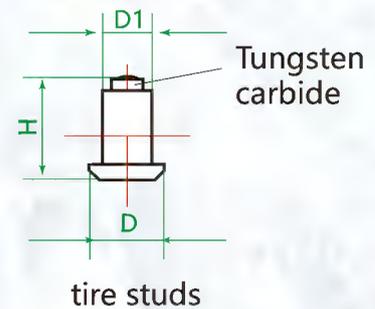


Carbide studs pin provides ultra-high wear resistance, and the entire tire studs is embedded in the tire pattern, with a firm structure, providing maximum grip for the car on ice and snow roads, escorting, safe and comfortable!

Ordinary tire studs series



Length(H)	10mm,11mm,12mm,13mm,15mm
Head Diameter(D)	8.8mm,8mm
Shaft Diameter(D1)	4.8mm,5.2mm
Weight	2.02,2.03,2.19,2.44,1.7,1.8
Color	silver,gold,blue
Surface	Zinc Coated



When the vehicle is driving on ice or muddy roads, the vehicle is prone to skidding or out of control. Embedding tire studs into the tires can provide more and higher grip, thereby increasing the friction between the tires and the road surface, making the vehicle more safe.

Model No.	Picture	Dimension (D*H)	Prominence	Penetration	Tip Diameter	Min Tread Depth	Application
JX6.5-5.7-1 JX6.5-6.5-1		φ6.5*5.7mm φ6.5*6.5mm	1	4.5~4.7 5.3~5.5	2	4.5 5.3	bicycles and scooters
JX9-10-1 JX8-10-1		φ9.0*10mm φ8.0*10mm	1	8.8~9	2.3	9	ATV/UTV, Forklift, Off-road Vehicle
JX9-11-1 JX8-11-1		φ9.0*11mm φ8.0*11mm	1	10	2.3	10	ATV/UTV, Forklift, Off-road Vehicle
JX9-12-1 JX8-12-1		φ9.0*12mm φ8.0*12mm	1	11	2.3	11	ATV/UTV, Forklift, Off-road Vehicle
JX9-13-1 JX8-13-1		φ9.0*13mm φ8.0*13mm	1	12	2.3	12	Auto Truck, Forklift, Off-Road Vehicle
JX9-14-1 JX8-14-1		φ9.0*14mm φ8.0*14mm	1.5	13	2.3	13	Auto Truck, Forklift, Off-Road Vehicle
JX9-15-1 JX8-15-1		φ9.0*15mm φ8.0*15mm	1.5~2	14	2.3	14	Auto Truck, Forklift, Off-Road Vehicle
JX12-15-1		φ12*15mm		13~13.5	3.2	13	Auto Truck, Forklift, Off-Road Vehicle

Our company can produce products according to the drawings or samples provided by customers.

Thread tire studs

The new style screw in tire studs can be easily installed and removed without professional installation tools. It can also be disassembled according to the season. When not in use, it could be removed lightly and stored for using again in the following season. Choose appropriate size of new studs in the installation process in terms of the depth of tire thread.

- ♦ **Easy to install and remove - less than 1 hour with simple hand tools**
- ♦ **Economic - add ultimate off-road capability to your 'normal' ATV, UTV or 4x4 Low ground pressure environmentally with minimum impact**
- ♦ **Proven - world renowned product**
- ♦ **Durable - quality engineering, built to last**
- ♦ **Versatile - all season capability in all condition**



Our company can produce products according to the drawings or samples provided by customers.



These revolutionary tungsten carbide tire studs can be quickly and easily installed on new and used tyres, tracks, even footwear to provide traction in ice, snow, mud and other slippery conditions. A wide range provides the correct stud for every application.

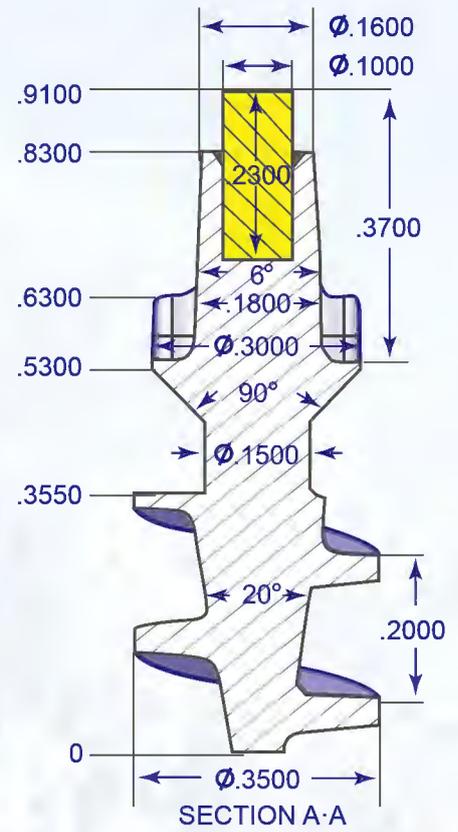
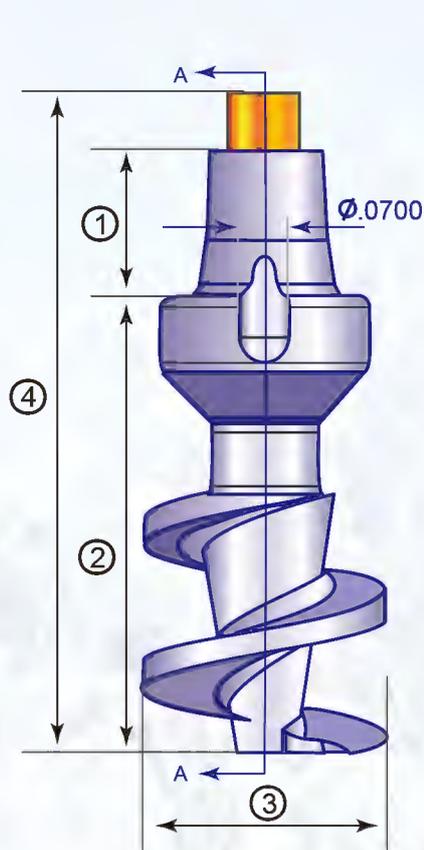
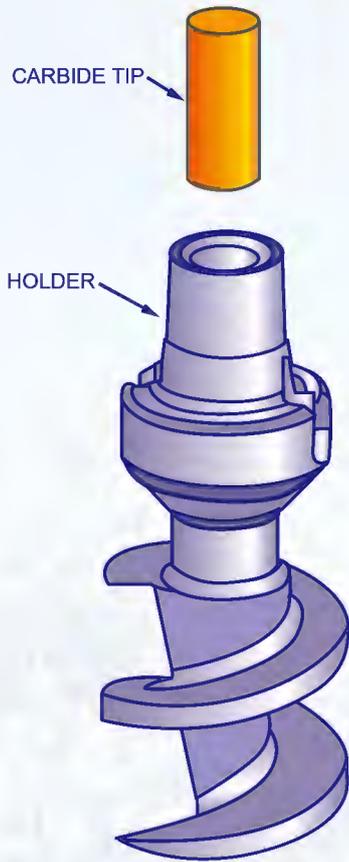
Model No.	Picture	Height	Prominence	Penetration	Tip Diameter	Min Tread Depth	Application
JX6*6-H		H=13~15	h=1~2mm	H-h	3.2mm	H-h	Bicycles and Scooters
JX8*8-H		H=20~30	h=1~2mm	H-h	2.8~3.2mm	H-h	Loader, Skid Steer, Tractor, Forklift, Motorcycle, Off-Road Vehicle

Picture	Item NO.	Body length	Overall length	Shaft diameter	Standard bolt	Pin diameter	Application
	LWJX6*6-H20-T4	19	20	20	M6	2.3	Loader, Skid Steer, Tractor, Forklift, Motorcycle, Off-Road Vehicle, Racing, car Specially
	LWJX6*6-H25-T5	24	25	25	M6	2.3	
	LWJX6*6-H27-T7	26	27	27	M6	2.3	
	LWJX8*8-H30-T8	29	30	30	M8	2.8	
	LWJX8*8-H33-T8	32	33	33	M8	2.8	

Our company can produce products according to the drawings or samples provided by customers.

Ice Racing Tire Studs

Picture	Model	① Prominence	② Depth into rubber	③ Thread diameter	④ Total length	Tip size
	JX100	1.9	7.5	6.0	7.5	2.2
	JX110	1.9	7.9	7.9	9.8	2.2
	JX120	1.9	10.7	9	12.6	2.6
	JX130	3.2	12	9	15.2	2.6
	JX135	2.4	12	9	14.4	2.6
	JX140	2.8	13.5	9	16.2	2.6
	JX150	4	13.5	9	17.5	2.6
	JX160	3.6	13	7.9	16.6	2.2
	JX170	7.3	13.5	9	20.8	2.2
	JX174	5.4	12	7.9	17.4	2.2
	JX175	6.9	14	7.9	20.9	2.2
	JX180	6.8	16.5	9	23.3	2.6
	JX180R	8	16.5	9	24.5	2.6
	JX190	4	16.5	9	20.5	2.6
	JX300A	4.4	10.7	7.9	15.1	2.2
	JX300B	3.5	7.9	7.9	11.4	2.2
	JX1610	3.8	18	3.8	21.8	2.2
	JX1910	5.3	18.5	5.3	23.8	3
	JX1911	5.3	17.5	5.3	22.8	3.5
	JX1912	6.0	18.5	6.0	24.5	3.5
	JX1927	12.6	37.9	23.7	50.5	5



Customized tire studs series

NEW UPGRADE

Tire studs for car rally off-road racing

Picture	Item NO.	Body length	Overall length	Base diameter	Pin diameter	Application
		H(mm)	H(mm)	mm	mm	
	JX9.0-13-2	11	13	9.0	2.3	Racing tire studs for rally, vulcanized studs Trucks, tractors, forklifts, motorcycles, all-terrain vehicles, etc. Especially racing apps.
	JX9.0-18-2	16	18	9.0	2.3	
	JX9.0-20-2	18	20	9.0	2.3	
	JX9.0-23-2	21	23	9.0	2.3	
	JX8-10-3	9	10	8.0	2.4	Loader, Skid Steer, Tractor, Forklift, Motorcycle, Off-Road Vehicle
	JX8-12-3	11	12	8.0	2.4	
	JX8-13-3	12	13	8.0	2.4	
	JX12-9.5-2	8.5	9.5	12	2.4	Non-slip shoes, zhiking shoes, etc.

Non-standard Studs display



JX6.6-10-2



JX8-11-2



JX8-12-2



JX12-20-3



JX8-9.7-2



JX8-18.8-2



JX8-18-2



JX12-9.5-2

Accept non-standard customized

Tungsten carbide Tire Studs

Jinxin studs

Control the ice
and snow without fear!



Our company can produce products according to the drawings or samples provided by customers.

Installation tool style

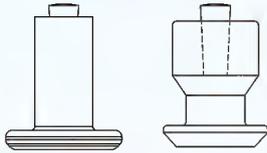
Screw studs installation tools	Model No.	Application
	Socket M4	adapt for the Electric and hand drilling tools to install the prying studs. square head used for the standard socket wrench or electric drill.
	Socket M6	
	Socket M8	
	Socket M6-T	
	Socket M8-T	

screw studs installation tools	Model No.	adapt for the follow items of the studs
	Install Tools	JX100 110 160 174 175 300A 300B 1911 1912 1927 JX120 130 135 140 150 170 180 180R 190 1910 1610



How to install tire studs correctly

How to install and use



01 Load the non-slip nails into the nail gun



Pneumatic Gun Precautions

Connection voltage:
220V
Connection air pressure:
0.5MPA

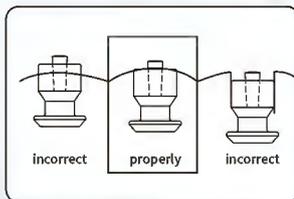
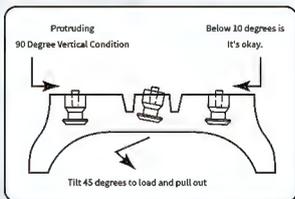
02 Loading of perforated tyres



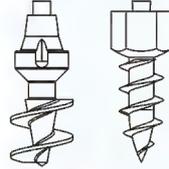
03 Completing the Installation



Use: Rivet type studs are suitable for tyres with holes;
The installation method is shown in the figure below:



How to install and use



01 Installation of non-slip nails into the sleeve



Pneumatic Gun Precautions

Connection voltage:
220V

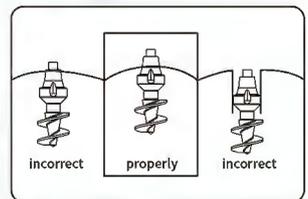
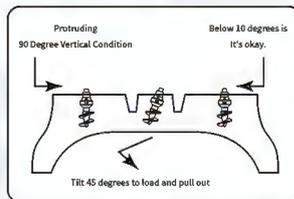
02 Fitting of non-perforated tyres or shoes



03 Completing the Installation



Use: Threaded studs are suitable for non-perforated tyres and shoes;
Installation method is shown in the picture below:



Carbide Tire Studs:

It is mainly used for automobile tires, mountaineering boots, ski poles, etc. in cold and humid areas. According to different uses and different mosaic groove types, the specifications have different requirements, but the material is mainly characterized by wear resistance, low temperature resistance, and high hardness.

Tire studs are tire accessories that are directly embedded in the surface of the tire to increase the anti-skid ability and safety performance of the tire while making the tire more beautiful. The style and function of the tire studs can also be chosen by the user. They are used in northern Europe, North America, Russia and other regions Especially wide, it is mainly suitable for areas with long winters and thick ice and snow accumulation. In addition, high-risk driving methods such as cross-country and competitions that require driving on various uneven and harsh road conditions also require the protection of tire studs.

Different types of studs can be used for different tires. Any vehicle tire can be specially designed with studs, and there are even studs designed for mountaineering boots. Therefore, the use of studs mainly includes automobiles, motorcycles, and bicycles etc.

We are very professional in the design, production and use of tire studs. If you have any questions, please contact us!



**JinXin Tungsten Carbide
Tire studs**

Control the ice and snow without fear!



Embrace your dreams and set sail

Let dreams point the way in life
Let the beating melody blow the horn of sail

Good carbide, Choose Jinxin!



Zhuzhou Jinxin cemented carbide group Co.,Ltd
Zhuzhou Jinxin Carbide Tire stud Co.,Ltd



JINXIN STUDS

FOCUS ON THE RESEARCH AND DEVELOPMENT OF ANTL-SKID TECHNOLOGY.



JINXIN STUDS

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