



Zhejiang Huaneng Micro Bearing Co., Ltd.

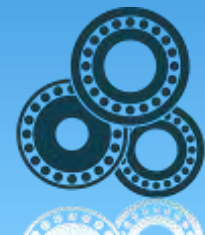
Bearing Pulley Hardware Manufacturer

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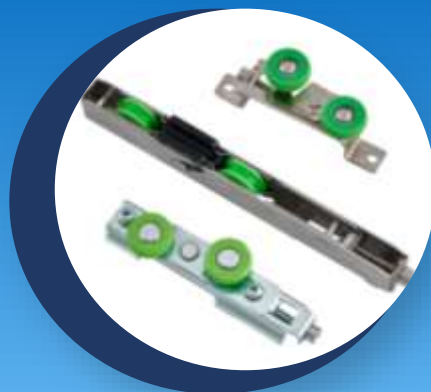
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Company Profile



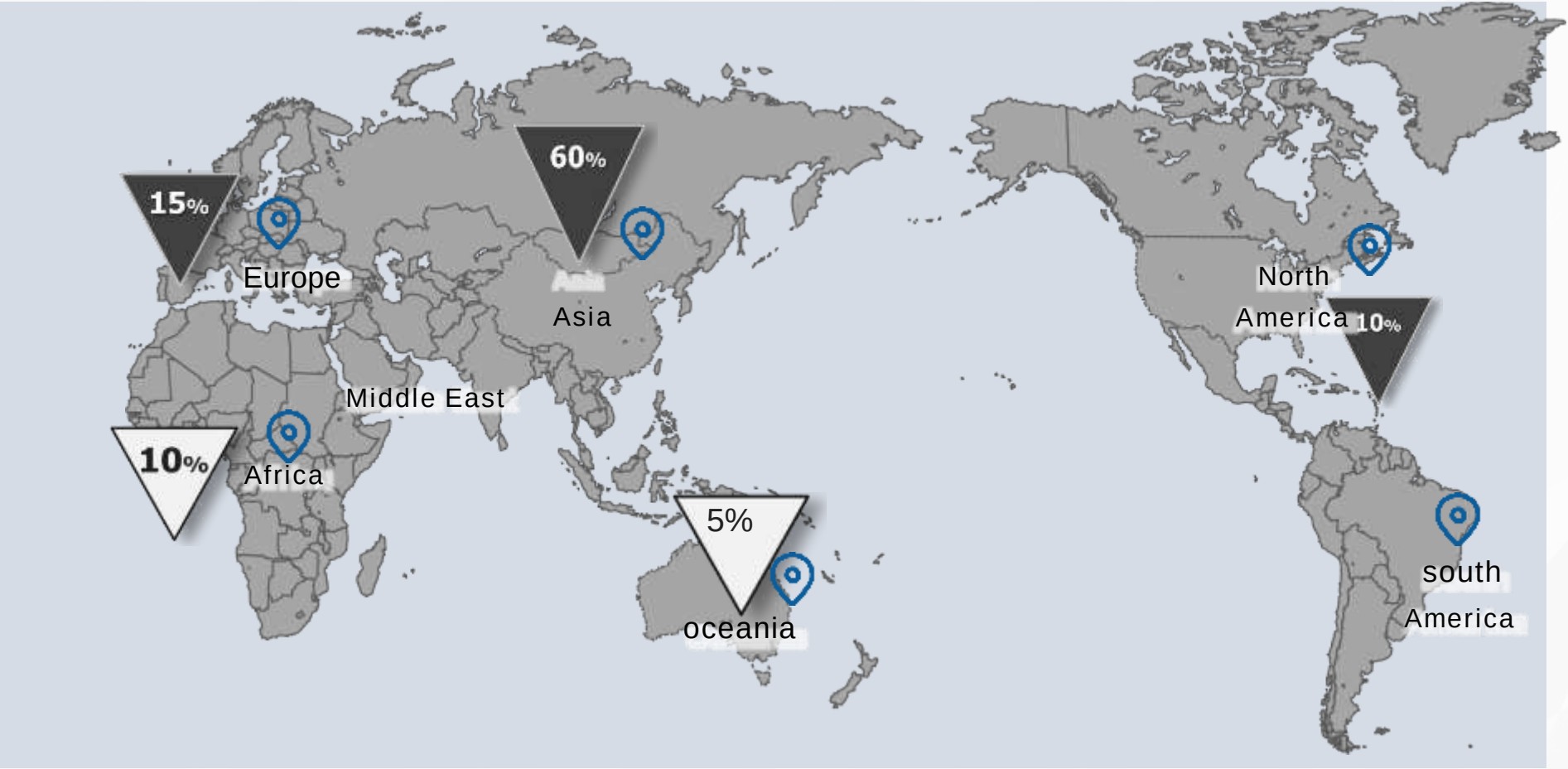
As Chinese Bearing Pulley Manufacturers and Miniature Bearings Factory, we specialize in the development and manufacturing of miniature and medium-sized bearings, non-standard bearings, and pulley systems.

With over a decade of industry experience, we offer high-precision processing and responsive customization services. Our products are widely used in home appliances, industrial equipment, and door and window systems, and are exported to Japan, Korea, Europe, and other regions.



We are specialized in **OEM and ODM** production. Our mission is to meet customer's expectation by providing high quality products and on time delivery.

Market Distribution



Main export regions:
Japan
Korea
Europe
USA
Southeast Asia

Our Advantages

Industrial Scale Advantage

Three major industries (bearings, pulleys, hardware); its scale brings advantages in production capacity and resource integration, with favorable and competitive prices offered.

Production Quality Advantage

20+ years in bearing production;
ISO9001-certified;
Self-operated import/export rights;
Standardized management ensuring compliance with international trade standards.

Product Quality Advantage

Our bearing products lead the domestic industry, with **stable, reliable quality**. Made of **high-quality materials**, with exquisite craftsmanship, automated equipment, they focus on **low-noise, long-life bearings**.

Technological Cooperation Advantage

Strong technical capabilities;
Established technical collaboration with domestic research institutions;
Advanced production equipment and scientific testing methods ensure high-quality product output.



Plastic	POM, POK,Nylon 6/66, PU, Rubber, and customized to customer requirements
Accuracy	ABEC-1, ABEC-3, ABEC-5, ABEC-7
Diametral clearance	Standard classes C ₂ , C ₀ , C ₃ , C ₄ or customized to customer requirements
Quality control	Dynamic load rating (Cr) and rating life comply with ISO281/1; static load rating (Cor) aligns with ISO76.
Performance	Low-Noise Operation,Slide Smoothly, Durability,Lightweight, Long-Life Use,weather resistance



Plastic-coated pulleys typically consist of a **base material** and a **coated plastic layer**, each contributing specific properties to the overall performance. All can be customized to meet your requirements.

Plastic Material

Material	Best For	Max Temperature	Weight Capacity	Cost
Polypropylene	Light loads, damp areas	80° C	Low	Low
Nylon	General use, moderate loads	100° C	Medium	Medium
Acetal	Smooth spinning, moisture resistance	120° C	Medium-High	Medium-High
Polyester	High heat, chemicals, heavy loads	150° C	High	High

Bearing Material

Material	Chromium Content	Hardness (Rockwell C)	Rust Resistance	Best For	Cost
Bearing Steel	0.3-1.0%	60-64	Low	Light to medium loads, dry environments	Low-Medium
Chrome Steel	1.3-1.6%	62-66	Low-Medium	Heavy loads, high speed, dry setups	Medium
Stainless Steel	10.5%+ (plus nickel)	50-55	High	Wet/damp areas, food-safe setups	Medium-High

Why Choose Us



Reliable Support

Quick response and clear communication from first contact to delivery.



Custom Fit

Flexible solutions tailored to your structure, space, and function needs.



Trusted Delivery

From samples to mass production, we make things happen — fast and right.



Free Samples

Try before you buy — fast sample support to help you make confident decisions.



After-sale Service Providing

professional technical knowledge to solve product problems. Offer the replacement, Other



Cooperative
Partners



Manufacturing Process

Our micro pulley manufacturing combines advanced CNC machining and high-precision molding to produce durable, lightweight components with tolerances within $\pm 0.01\text{mm}$.



Main Facilities List

Facility Name	Qty
Injection moulding Machine	8
Large Punch press	5
Small Punch press	8
Lathe	6
CNC	4
Grinder Machine	4



PROCESS FLOW

Over the years, we have accumulated a great deal of experience in customising miniature bearings, pulleys, lifting wheels and other products for special structures, small spaces, high environmental stress and other working conditions. We collaborate with our customers' engineers to develop and quickly respond to the needs, providing complete personalised solutions from structural optimisation, material selection to performance testing.

Design

Support customer drawings / samples reverse modelling, can also be based on the structure and use of the demand for design proposals.

Material

Carbon steel, stainless steel, plastic, copper, composite materials and other combinations of customisation.

Structure

Flexible customisation of dimensions, installation methods, dustproof structure, sealing level and other parameters.

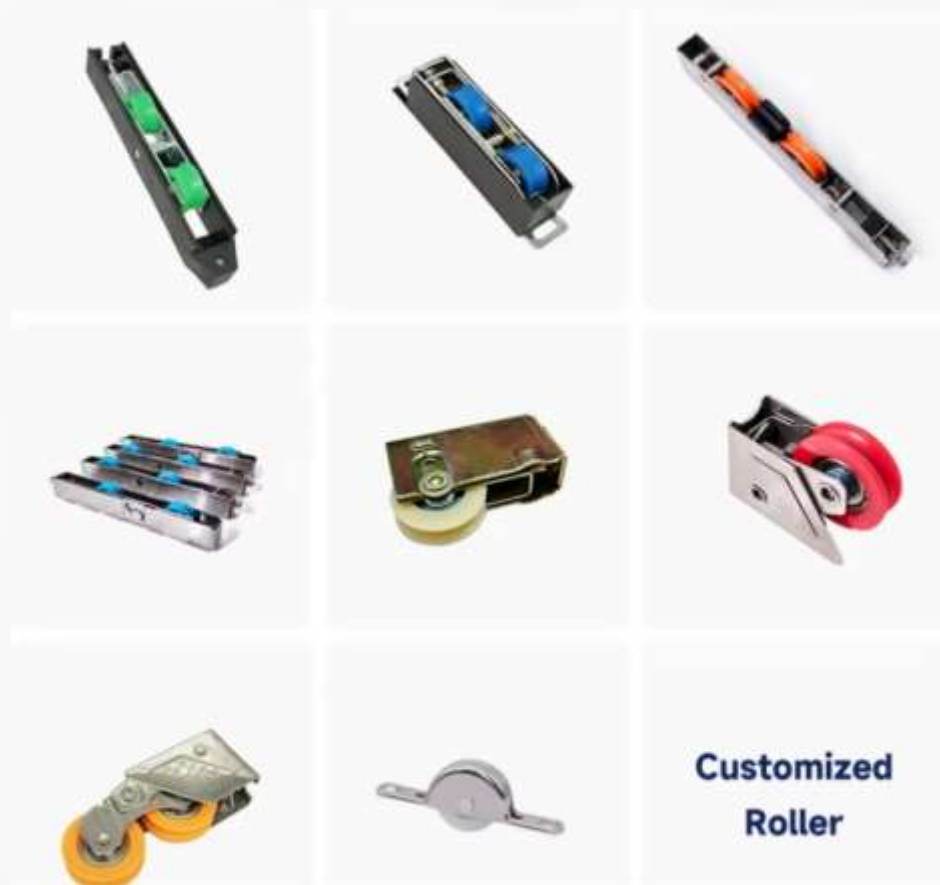
Multi-scenario

Experienced in solving problems under tight space constraints, complex setups, unusual loads, and harsh environments.

Sampling

Support rapid sampling and small amount of trial production, which is convenient for customers to carry out pre-verification.





5-step customization

Customer demand

Customized
Production

Confirm
Product mold

Confirm
Samples

Shape/Function/Size
Color/thickness

On-Time
Delivery



R-shaped Pulley



U-shaped Pulley



Y-shaped Pulley

Plastic Bearing Pulley



Screw Thread Pulley



F-shaped Pulley



H-shaped Pulley



Non-Standard Pulley



V-shaped Pulley

Door & Window Roller Hardware Accessories







轴承 型号 Bearing NO	外形尺寸 Shape dimension								钢球 Steel Balls		额定负荷 Load Rating		参考 重量 kg
	内径 d		外径 D		宽度 B		倒角 Chamfer		Amount	Size	动负荷 Cr N	静负荷 Cor N	
	mm inch		mm inch		mm inch		mm inch						
604	4	0.1575	12	0.4724	4	0.1575	0.2	0.008	6	2.381	970	360	0.0023
605	5	0.1969	14	0.5512	5	0.1969	0.2	0.008	6	3.175	1300	505	0.0037
606	6	0.2362	17	0.6693	6	0.2362	0.3	0.012	6	3.175	2260	836	0.0069
607	7	0.2756	19	0.748	6	0.2360	0.3	0.012	7	3.5	2340	885	0.0082
608	8	0.315	22	0.8661	7	0.2756	0.3	0.012	7	3.969	3300	1370	0.0129
609	9	0.3543	24	0.9949	7	0.2756	0.3	0.012	7	3.969	3350	1430	0.016
6000	10	0.3937	26	1.0236	8	0.315	0.3	0.012	7	4.763	4160	1780	0.019
6001	12	0.4724	28	1.1024	8	0.315	0.3	0.012	8	4.763	5110	2370	0.022
6002	15	0.5906	32	1.2598	9	0.3543	0.3	0.012	9	4.763	5590	2840	0.03
6003	17	0.6693	35	1.378	10	0.3937	0.3	0.012	8	6.747	6000	3250	0.039
6004	20	0.7874	42	1.6535	12	0.4735	0.6	0.024	8	7.938	9390	5020	0.069
6005	25	0.9843	47	1.8504	12	0.4724	0.6	0.024	9	7.938	10060	5860	0.08
6006	30	1.1811	55	2.1654	13	0.5118	1	0.039	9	9.525	11900	7460	0.116
6007	35	1.378	62	2.4409	14	0.5512	1	0.039	9	11.112	16210	10420	0.115
6008	40	1.5748	68	2.6772	15	0.5906	1	0.039	9	12	17030	11700	0.192
6009	45	1.7717	75	2.9528	16	0.6299	1	0.039	10	12	21080	14780	0.245
6010	50	1.9685	80	3.1496	16	0.6299	1	0.039	10	12.7	22000	16260	0.261
6011	55	2.1653	90	3.5433	18	0.7086	1.1	0.043	10	14.288	23280	17860	0.362
6012	60	2.3622	95	3.7401	18	0.7086	1.1	0.043	10	15.081	24350	19350	0.385
6013	65	2.559	100	3.937	18	0.7086	1.1	0.043			29680	24200	0.41

Canton Fair Exhibition Attending



Project Discussion



Quality Inspection



Product Applications

USED FOR DOORS AND WINDOWS,
EQUIPMENT, CHEST, SHOWER ROOM,
FURNITURE AND INDUSTRIAL



Contact me



ShirleyYing

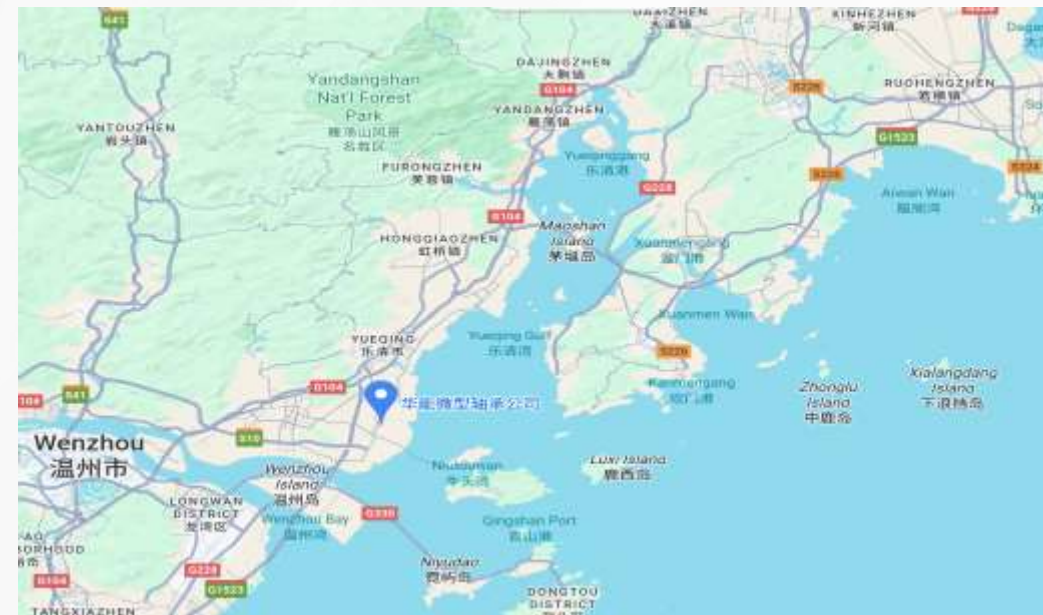
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