

CHOHO

Motorcycle Chain



We supply original chains for more than fifty motorcycle factories in the globe, include HONDA, YAMAHA, SUZUKI and BMW





King of racing chain

CHOHO supports all the world's top races, and with its excellent quality and powerful performance, it has achieved many successes and won the favor of many competitive teams.



Approved by Racing Choice for Champions
CHOHO teams up with HRC for the 2025 MXGP season.

CHOHO official sponsor
HONDA RACING 2025 MX-GP
continues its new journey



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Welcome to **CHOHO** Motorcycle Chain and Sprocket



CHOHO

Chain Transmission Technology Leader

Honda's global procurement system supplier

We supply original chains for more than fifty motorcycle factories in the globe, include HONDA, YAMAHA, SUZUKI and PIAGGIO



Brief Introduction

QINGDAO CHOHO INDUSTRIAL CO.,LTD. is one of the biggest motorcycle chains and sprockets manufacturers in the world, also the President Company of CMCA (China Machinery Component Association) Chain Transmission Branch. Company's Technology level and turnover are forefront in the fields of engine chain, motorcycle transmission chain, agriculture chain and so on. Company's own brand "CHOHO" is awarded as "China Famous Trademark", and is popular both in domestic and international market. In Qingdao, China and Thailand, CHOHO has advanced production bases and world-class production equipment, which effectively guarantee the improvement of product quality and excellent efficiency. The huge and flexible processing capacity ensures a continuous supply of personalized products to different clients worldwide.

Honors

- National-Recognized Enterprise Technology Center
 - National technology innovation demonstration enterprise
 - State-level high-tech enterprise
 - First China machinery industry outstanding brand
 - Responsible for drafting the national standard
 - 110 national inventions and patents
 - China Machinery General parts Manufacture Association
- "Specialization, perfect, special"

Certificates



The German TUV Rheinland IATF 16949:2016 quality management system certification. The CNAS laboratory accreditation certificate.

Qualifications



Honor Certificate



Advanced Equipments

Qingdao Choho has world-class production and manufacturing equipments such as high-speed punching machine, continuous heat treatment mesh belt furnace, high-precision wire cutting machine, coordinate grinder, shot blasting machine, high-speed pipe pin cutting machine, automatic chain assembly line and ultrasonic automatic cleaning and hot dipping line, etc., which form a professional large-scale, high-quality and stable production mode.

With conventional testing instruments such as metallographic, laboratory, chain length, tensile strength, hardness, spark, twist, press-out force and other performance testing equipments such as wear-resistant experiment and high-speed fatigue testing machine, we make every chain and chain parts undergo rigorous quality testing to ensure that every chain we sell is of reliable and excellent quality.



1 O/X Ring

Wear test comparison

The Test Result From CHOHO

▲ The lubricating oil of ordinary chains is easy to overflow

▲ How O ring seals the outlet of ubrication oil

▲ How X ring seals the outlet of ubrication oil

▲ How ☆ ring seals the outlet of ubrication oil

2 α Treated Pin

▲ Anti-wearing ▲ Anti-high temperture ▲ Anti-corruption

3 Solid Bush

▲ Achieve complete contact between the pin and the bush.

4 High Adhesion Grease

▲ Racing grade white grease, high adhesion, wear resistancenoise reduction,high temperature resistance, suitable forhigh speed movement over 250km/h.

5 Vacuum Oiling

▲ Through the vacuum pump, each aperture of parts is filled with wear-resistant grease and the chain life is extended by 30%.



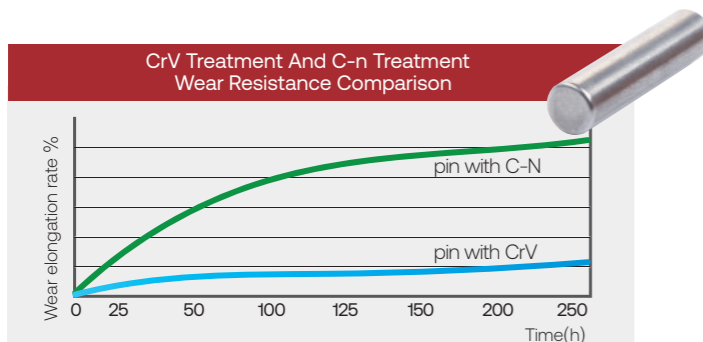
Chain Advantages

CrV Treatment Technology

The traditional chain treatment process for the pin shaft adopts the traditional C-N treatment, and the CrV treatment technology and the strengthened pre-tensioning technology of the chain are used to enhance the surface strength of the pin shaft and the fatigue strength of the chain, which greatly improves the durability of the chain.

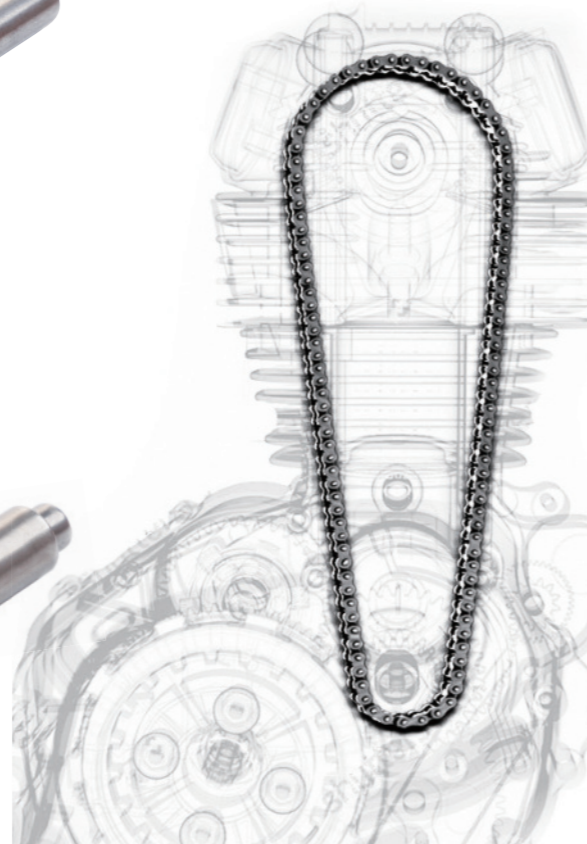
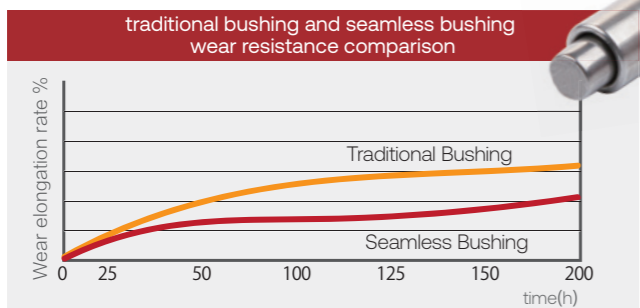


This technology is mainly used in the surface strengthening treatment of the pin shaft, which can make the surface hardness of the pin shaft reach 2200HV, and can improve the wear resistance of the chain by more than 100%



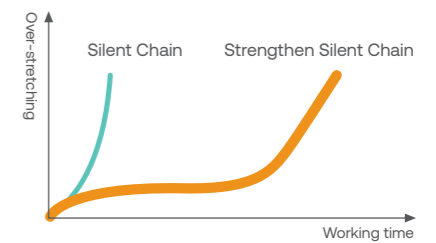
S25H Solid Bush

Traditional chains mostly use rolled sleeves, S25H introduces cold forging technology, seamless sleeves greatly improve the wear resistance of the chain



Timing Chain

CHOHO provides three types of timing chains: Strengthen Silent Chain, Silent Chain, Bush Chain. Strengthen Silent Chain has a world-top-level performance through applying special material and technology. All these timing chains are using special chromizing heat treatment and 35CrMo steel, bringing 10-20% improvement on tensile strength and 20-90% improvement on wearing performance.

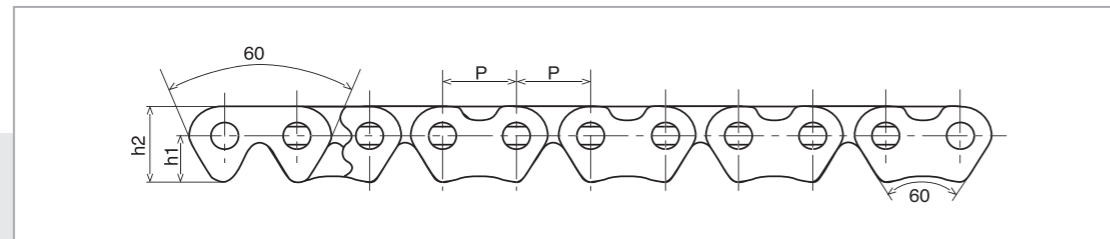


Chain No.	Pitch (mm)	Number of Plates	Chain Width	Pin Dia	Plate Depth	Distance from Hole Center to Tooth Top	Plate Thickness (t)	Plate Thickness (T)	Pin Length max	Tensile Strength	Weight Per Meter	
Strengthen Silent Chain												
CL04CF5-5	6.35	2x3	3.15	2.51	6.70	3.90	1.0	0.80	6.10	5.50	0.17	
CL04CF5-7	6.35	3x4	5.20	2.51	6.70	3.90	1.0	0.80	8.20	9.10	0.24	
CL04CF5-9	6.35	4x5	7.25	2.51	6.70	3.90	1.0	0.80	10.30	11.80	0.31	
Silent Chain												
82RH-5	6.35	2x3	3.15	2.51	6.72	3.92	1.0	0.8	6.20	5.20	0.17	
82RH-7	6.35	3x4	5.20	2.51	6.72	3.92	1.0	0.8	9.00	7.30	0.24	
82RH-9	6.35	4x5	7.25	2.51	6.72	3.92	1.0	0.8	11.00	9.30	0.32	
CL04CF-5	6.35	2x3	3.15	2.41	6.70	3.90	1.0	0.80	6.1	5.20	0.165	
CL04CF-7	6.35	3x4	5.20	2.41	6.70	3.90	1.0	0.80	8.20	7.30	0.24	
CL04CF-9	6.35	4x5	7.25	2.41	6.70	3.90	1.0	0.80	10.30	9.30	0.312	
CL06CF5-9	9.525	4x5	12.53	4.06	11.25	6.30	1.80	0.80	16.61	33.10	0.91	
CL06CF5-13	9.525	6x7	19.69	4.06	11.25	6.30	1.80	0.80	23.95	45.60	1.30	
Bush Chain												
25	6.35	/	3.18	2.31	6.00	/	/	/	7.90	3.63	0.15	
25H	6.35	/	3.18	2.31	5.90	/	/	/	8.90	5.50	0.17	
25HT	6.35	/	3.18	2.31	5.90	/	/	/	9.20	6.20	0.20	
25SH	6.35	/	3.18	2.00	5.90	/	/	/	8.90	3.90	0.18	
F25H	6.35	/	3.18	2.31	5.90	/	/	/	8.90	5.00	0.21	
S25H	6.35	/	3.18	2.31	5.90	/	/	/	8.90	5.50	0.17	
219H1	7.77	/	5.00	3.01	7.43	/	/	/	11.50	6.50	0.28	
06B*	9.525	/	5.72	3.28	8.20	/	/	/	13.1	8.9	0.442	

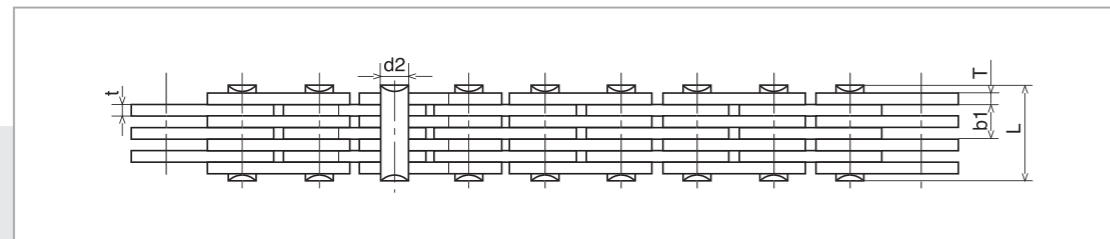
06B* is roller chain

Timing Chain

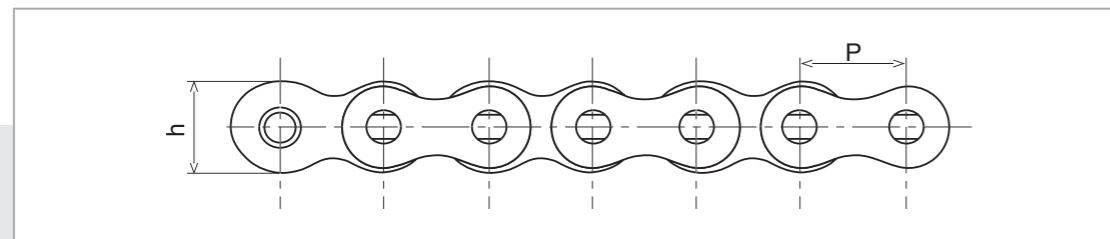
Strengthen Silent Chain



Silent Chain



Bush Chain



Off-road Chain

Off-road Chain

- Lightweight design
- Solid bush
- Pin with infiltration
- Fine alloy material
- High quality grease



Off-road Chain

Chain No.	Pitch (mm)	Width between Inner Plates	Pin Dia	Pin Length	Roller Dia	Plate Thickness Inner	Plate Thickness Outer	Tensile Strength (min)	Tensile Strength (Average)	Connecting Link (Standard)	Connecting Link (Optional)	Application By CC
420ND	12.7	6.35	3.96	16.2	7.77	1.8	1.8	21	24	CL/SCL	PL	90-150
520ND	15.875	6.35	5.24	17.9	10.16	2.0	2.0	33	35	CL	EPL	125-250



Roller Chain

Roller Chain

- High quality plates: fine material, shot blasting
- Vacuum oiling: The heightening design of bushing improves the wear resistance by 20% over the standard series
- 32 years of production process, stable and reliable quality
- Best-selling in more than 100 countries, monthly output of more than 2 million pieces



Roller Chain

Chain No.	Pitch (mm)	Width between Inner Plates	Pin Dia	Pin Length	Roller Dia	Plate Thickness Inner	Plate Thickness Outer	Tensile Strength (min)	Tensile Strength (Average)	Connecting Link (Standard)	Connecting Link (Optional)	Application By CC
Standard Series												
420	12.7	6.35	3.96	14.75	7.77	1.5	1.5	16	18	CL/SCL	PL	60-90
428	12.7	7.85	4.46	16.6	8.51	1.56	1.56	17.8	18.8	CL/SCL	PL	90-125
520	15.875	6.35	5.07	17.05	10.16	2.0	2.0	26.5	27.7	CL/SCL	PL	125-200
530	15.875	9.4	5.07	20.5	10.16	2.0	2.0	26.5	28.1	CL/SCL	PL	150-200
415H	12.7	4.8	3.96	13.2	7.77	1.5	1.5	16	18	CL/SCL	PL	50-70
420H	12.7	6.35	3.96	16.1	7.77	1.8	1.8	18	19	CL/SCL	PL	60-110
428H	12.7	7.85	4.46	18.4	8.51	2.0	2.0	20.6	22.2	CL/SCL	PL	100-150
520H	15.875	6.35	5.07	18.8	10.16	2.42	2.42	30.5	31.4	CL/SCL	PL	140-200
525H	15.875	7.9	5.07	20.4	10.16	2.42	2.42	30.5	31.8	CL/SCL	PL	140-250
530H	15.875	9.4	5.07	22.1	10.16	2.42	2.42	30.5	32.1	CL/SCL	PL	140-250
Economic Series												
KF420	12.7	6.35	3.96	14.75	7.77	1.5	1.5	16	17.4	CL/SCL	PL	60-90
KF428	12.7	7.85	4.46	16.7	8.51	1.5	1.5	17.8	18.5	CL/SCL	PL	90-125
KF428H	12.7	7.85	4.46	17.8	8.51	1.8	1.8	20.6	21.7	CL/SCL	PL	100-125
KF520	15.875	6.5	5.07	17.05	10.16	1.8	1.8	26.5	27.5	CL/SCL	PL	125-200
KF530	15.875	9.4	5.07	19.6	10.16	1.8	1.8	26.5	27.8	CL/SCL	PL	150-200

Solid Bush Chain

Solid Bush Chain

- Solid bush
- Fine alloy material
- Special-treatment on Pin
- Vacuum oiling
- The weariness is reduced 30% compared to seam bushing



Solid Bush Chain

Chain No.	Pitch (mm)	Width between Inner Plates	Pin Dia	Pin Length	Roller Dia	Plate Thickness Inner	Plate Thickness Outer	Tensile Strength (min)	Tensile Strength (Average)	Connecting Link (Standard)	Connecting Link (Optional)	Application By CC
415HS	12.70	4.8	3.96	13.3	7.77	1.5	1.5	16	18.5	CL/SCL	PL	50-70
420S	12.70	6.35	3.96	14.75	7.77	1.5	1.5	16	19	CL/SCL	PL	60-90
420HS	12.70	6.35	3.96	16.1	7.77	1.8	1.8	18	19.5	CL/SCL	PL	60-110
428S	12.70	7.85	4.46	16.6	8.51	1.56	1.56	17.8	19.8	CL/SCL	PL	90-125
428HS	12.70	7.85	4.46	18.4	8.51	2	2	20.6	22.5	CL/SCL	PL	110-150
520HS	15.875	6.35	5.07	18.8	10.16	2.42	2.42	30.5	31.6	CL/SCL	PL	140-250
525HS	15.875	7.9	5.07	20.4	10.16	2.42	2.42	30.5	32	CL/SCL	PL	140-250
530HS	15.875	9.4	5.07	22.1	10.16	2.42	2.42	30.5	32.4	CL/SCL	PL	140-250

O-ring Chain

ORING

- O-ring
- Solid bush
- Fine alloy material
- Special-treatment on Pin
- High quality grease



O-ring Chain

Chain No.	Pitch (mm)	Width between Inner Plates	Pin Dia	Pin Length	Roller Dia	Plate Thickness Inner	Plate Thickness Outer	Tensile Strength (min)	Tensile Strength (Average)	Connecting Link (Standard)	Connecting Link (Optional)	Application By CC
415HO	12.7	4.8	3.96	15.9	7.77	1.5	1.5	17.8	18.2	CL/SCL	EPL	90-125
415UO	12.7	4.8	3.96	15.9	7.77	1.5	1.5	17.8	18.9	CL/SCL	EPL	100-150
420O	12.7	6.35	3.96	17.5	7.77	1.5	1.5	16	19	CL/SCL	EPL	70-150
428VO	12.70	7.9	4.45	20.6	8.51	2	1.8	19.5	22.6	CL/SCL/PL	EPL	125-190
428HO	12.70	7.94	4.45	21.8	8.51	2	2	21	22.8	CL/SCL	EPL	125-200
520O	15.875	6.35	5.24	19.4	10.22	1.8	1.8	30.5	32.5	PL	EPL	170-300
520HO	15.875	6.35	5.09	20.7	10.16	2	2	30	35	PL	EPL	170-300
525HO	15.875	7.85	5.24	23.5	10.16	2.42	2.42	33	34.7	PL	EPL	170-300
530HO	15.875	9.4	5.24	24.95	10.16	2.42	2.42	33	35	PL	EPL	170-350

X-ring Chain

XRING

- X-ring
- Solid bush
- Fine alloy material
- Special-treatment on Pin
- High quality grease
- Whole new processing technology



X-ring Chain

Chain No.	Pitch (mm)	Width between Inner Plates	Pin Dia	Pin Length	Roller Dia	Plate Thickness Inner	Plate Thickness Outer	Tensile Strength (min)	Tensile Strength (Average)	Connecting Link (Standard)	Connecting Link (Optional)	Application By CC
X Series												
428HX	12.7	7.94	4.45	21.8	8.51	1.8	1.8	21	23.1	CL/SCL/PL	EPL	125-200
520X	15.875	6.35	5.24	20	10.22	2	2	35	37	PL	EPL	300-600
520HX	15.875	6.35	5.24	23.5	10.16	2.2	2.2	34	36	PL	EPL	300-650
525X	15.875	7.85	5.24	21.3	10.22	2	2	35	37.5	PL	EPL	400-750
SX Series												
520SX	15.875	6.35	5.32	21	10.22	2.4	2.2	38	40	PL	EPL	600-900
525SX	15.875	7.85	5.32	22.6	10.22	2.4	2.2	38	40	PL	EPL	600-1100
530SX	15.875	9.4	5.32	24.1	10.22	2.4	2.2	38	41	PL	EPL	600-1100
EX Series												
520EX	15.875	6.35	5.50	22	10.22	2.52	2.52	42	43	PL	EPL	700-1100
525EX	15.875	7.85	5.50	23.5	10.22	2.52	2.52	42	44	PL	EPL	900-1300
530EX	15.875	9.4	5.50	25	10.22	2.52	2.52	42	45	PL	EPL	900-1300

CHOHO Sprocket

CHOHO Sprocket Division produces more than 24 million high quality sprockets annually.

The Chain Wheel Division has more than 300 employees, including 30 senior R&D technicians, covering a variety of specialized fields such as chain system development, machining, heat treatment and so on.

It has more than 250 sets of precision equipments such as Doosan CNC lathe, South Korea Yuniil high-speed hobbing machine, Chongqing hobbing machine, CNC machining center, high-frequency quenching furnace, broaching machine, 1,000-ton fine blanking punch press, etc. It also has Taiwan multi-purpose heat-treatment furnace and Zhong'an precision leveling machine, etc.

We supply to well-known companies in the motorcycle field such as Yamaha, Honda, Dachangjiang, CFmoto and so on.

300

Employees



250

Sets Of Precision Equipments



2.0 Million

Thousand High-Quality Sprockets



OEM for

HONDA YAMAHA HaoJue CFMOTO



CNC Truss Automatic Line



CNC Lathe



Sprocket Multi-Axis Drilling Machine



High-impact Hobbing Machine



Semi-finished Product Puncher



Laser Cutting Equipment



CNC Hobbing Machine



Automatic Leveling Equipment



Feeding Machine

Sprocket Advantage

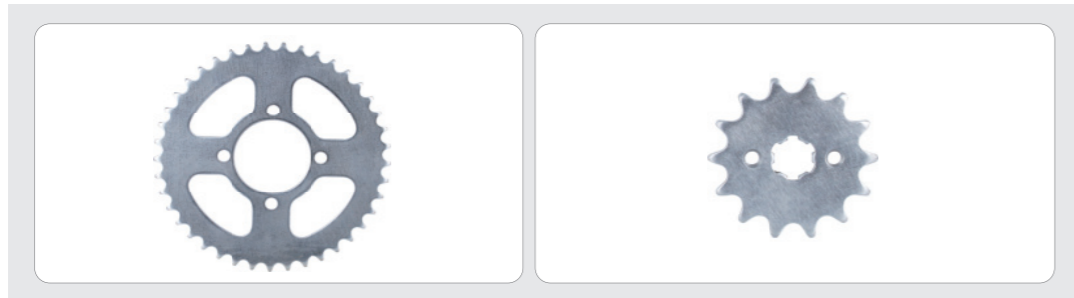
Machining Sprocket

- High-precision gear hobbing technique
- Satisfying national and international sprockets benchmark, high cost performance
- Suitable to terrible road conditions



Fine-Blanking Sprocket

- High quality raw material
- Advanced fine-blanking equipment and mould.
- Unique tooth hardening processing technique
- Suitable to long distance drive, smooth transmission and low noise condition



High Strength Light Sprocket

- High Strength light alloy material
- High-precision machining technique
- Suitable to large and medium displacement bikes.

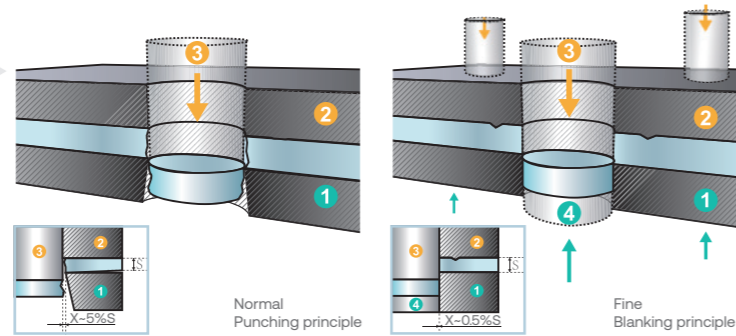


Sprocket Series

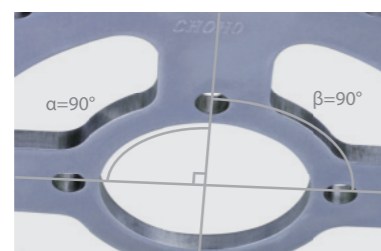
		Standard Series		Super Series		Professional Series	
		Hobbing Sprocket	Fine Blanking Sprocket	Hobbing Sprocket	Fine Blanking Sprocket	Hobbing Sprocket	Fine Blanking Sprocket
Processing Technique	Precision Finishing	★		★★		★★★	
	Precision Stamping		★		★★		★★★
Material of Rear Sprocket	Q235	●	●				
	45#			●	●	●	●
Material of Front Sprocket	Q235	●	●				
	20CrMnTi			●		●	
	20Cr				●		●
Heat Treatment of Rear Sprocket	Carburing and Quenching	●					
	Hardening for Teeth			●			
	Thermal Refining					●	●
Heat Treatment of Front Sprocket	Carburing and Quenching	●	●	●	●	●	●
Features	Process Precision		●		●		●
	Special Material				●		●

Fine Blanking Sprocket

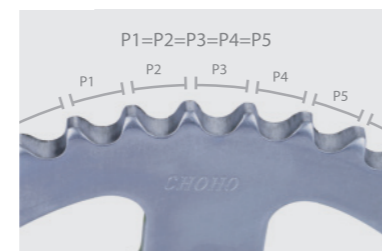
Fine Blanking is a kind of technology, with special-structured precision mould and customized fine blanking press machine, to realize small clearance precision punching, making the materials under three to compressive stress state with strong pressure.



▲ The perfect tooth profile design makes the chain and sprockets in perfect engagement, stable driving, and low noise.



▲ High-precision dimension, small geometric tolerance, can guarantee the sprockets installation accuracy and easier to install.

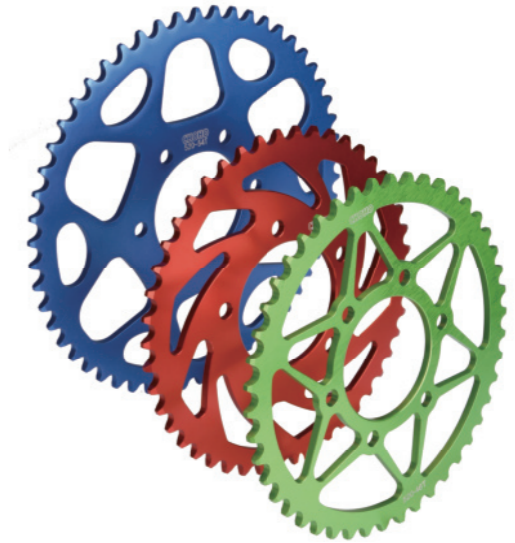


▲ The minimum pitch divergence ensures the consistency between chain and sprockets and chain is not easy to jump.

Light weight Sprocket

Aluminum Alloy Sprocket

- High quality high strength aerospace aluminum alloy
- CNC machining the light-weighting holes, a variety of patterns, style switching is quick and convenient, to meet individual customization needs.
- The surface treatment uses an anodizing process, and the colors are varied to meet different individual needs.
- The surface treatment uses a hard oxidation process, which improves the wear resistance and tensile strength of the conventional oxidation process.
- Light weight 36% of steel sprocket.



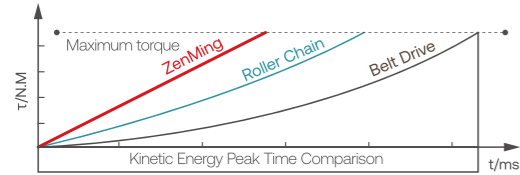
Aluminum Sprocket With Alloy Steel Teeth

- The outer sprocket ring is made of high-quality 45# steel for high-frequency quenching to meet the requirements of high strength and high wear resistance.
- The inserts are made of high-quality high-strength aerospace aluminum alloy, which is light in weight; using anodizing process, the color is gorgeous and diverse, satisfying the different needs.
- After the sprocket is assembled, it can meet the requirements of wear resistance, and can also meet the needs of customers. It is lighter than the overall steel sprocket.



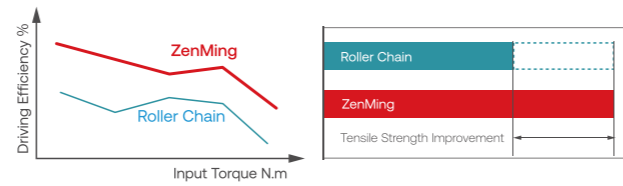
ZenMing Chain

Power torque test



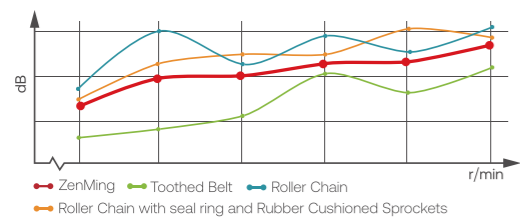
- Test results have shown that vehicles equipped with ZenMing chains achieve peak torque faster*. The stable power output benefits from the unique tooth meshing design of ZenMing chain, which has obvious advantages compared with other transmission methods!

Transmission efficiency test



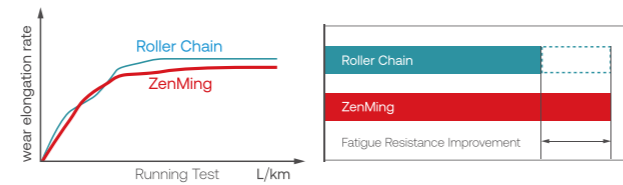
- Compared with the roller chain system, ZenMing chain system increases the steady-state transmission efficiency (constant speed and constant torque) by 0.46%, and increases the dynamic transmission efficiency (variable speed and constant torque) by 0.68%, effectively saves energy and improves battery life.
- Compared with transmission system, the tensile performance and tensile strength of ZenMing chain system has a greater improvement, greatly meet the individual needs and riding safety!

Noise test

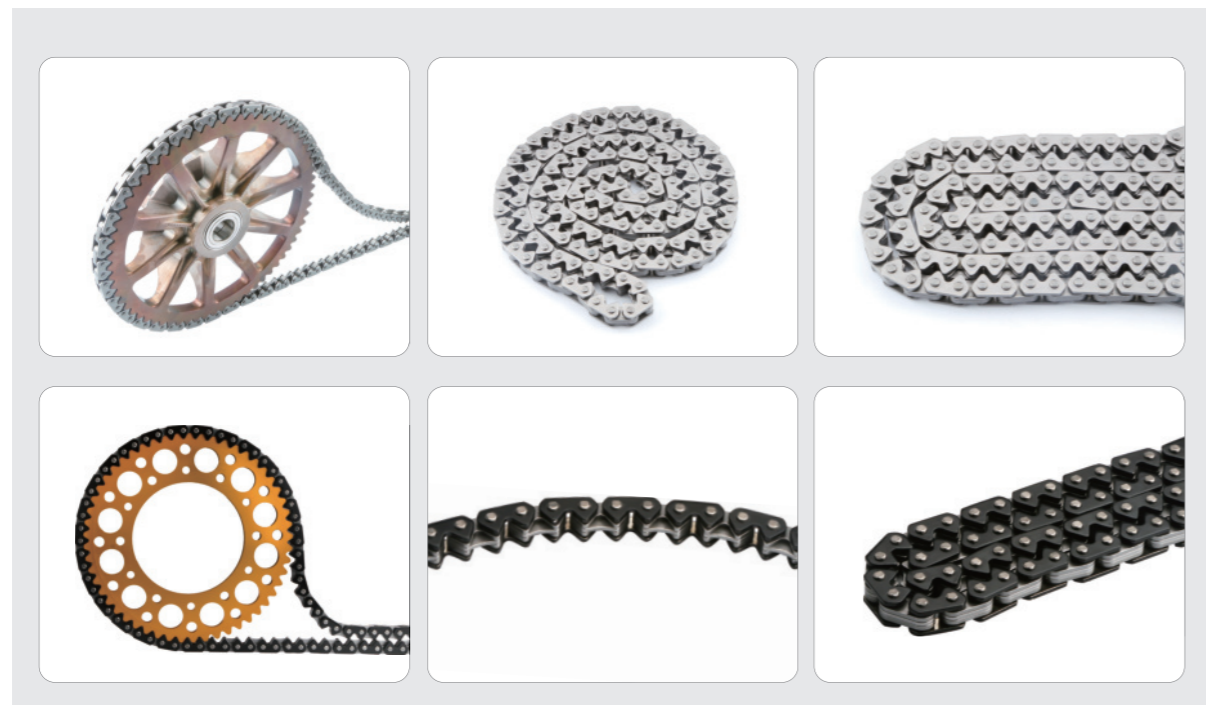


- Noise test results* have shown that ZenMing chain has a superior performance in terms of quietness.

Bench and all terrain test



- The elongation rate of the 600-hour bench test and the 40,000-kilometer all-terrain road test are both less than 1%*. The test data has shown that ZenMing chain has excellent wear resistance and fatigue resistance, and can cope with various road conditions and ultra-long rides.

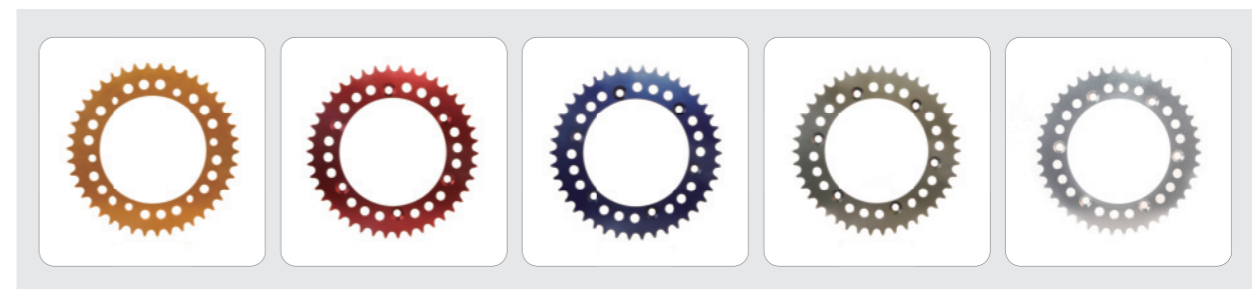


Surface Treatment

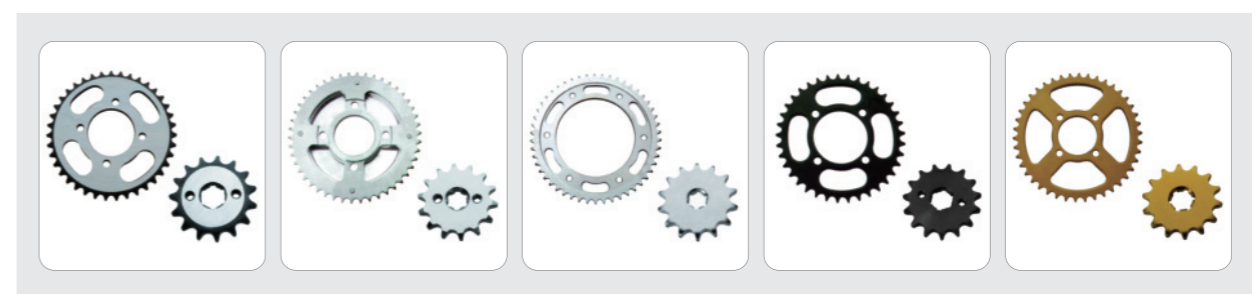
Chain Optional Color And Surface Treatment



Light Sprockets Optional Color And Surface Treatment

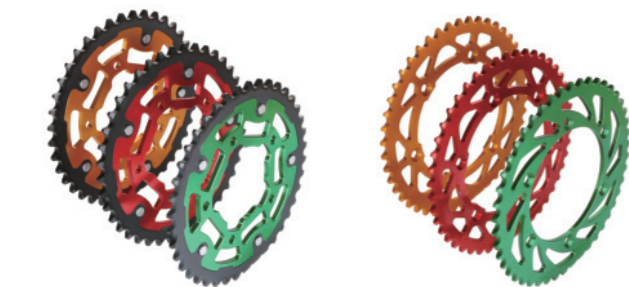
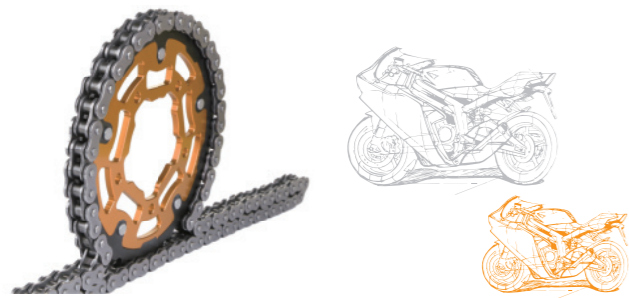
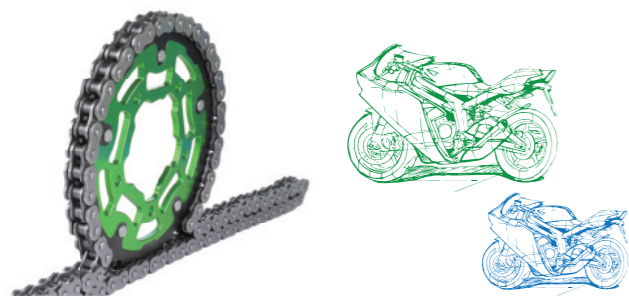
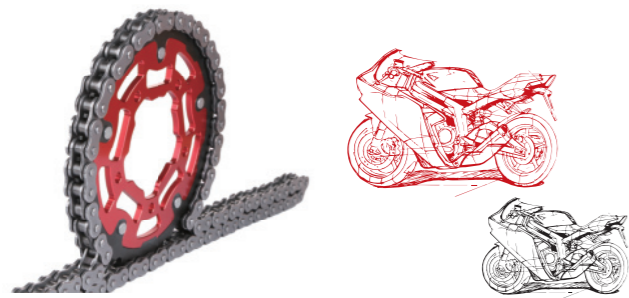


Machining Sprockets Optional Color And Surface Treatment



Surface Treatment

CHOHO Sprocket Reference



CHOHO Chain Reference



Chain Application



X/O-ring Chain	Disp.(c.c)	120	150	200	250	300	350	400	600	700	800	1100	1300
O-ring Chain	415HO	90-125											
	415UO	100-150											
	420O	70-150											
	428VO	125-190											
	428HO	125-200											
	520O	170-300											
	520HO	170-300											
	525HO	170-300											
	530HO	170-350											
X-ring Chain	428HX	125-200											
	520X	300-600											
	520HX	300-650											
	525X	400-750											
	520SX	600-900											
	525SX	600-1100											
	530SX	600-1100											
	520EX	700-1100											
	525EX	900-1300											
	530EX	900-1300											

Chain Application

		Non-ring Chain	Disp.(c.c)	50	70	80	90	110	125	150	180	200	250	450
Roller Chain	420	60-90												
	428	90-125												
	520	125-200												
	530	150-200												
	415H	50-70												
	420H	60-110												
	428H	100-150												
	520H	140-200												
	525H	140-250												
	530H	140-250												
	KF420	60-90												
	KF428	90-125												
	KF428H	100-125												
	KF520	125-200												
KF530	150-200													
Solid Chain	415HS	50-70												
	420S	60-90												
	420HS	60-110												
	428S	90-125												
	428HS	110-150												
	520HS	140-250												
	525HS	140-250												
530HS	140-250													
Off-road Chain	420ND	90-150												
	520ND	200-450												

Connecting Type

	For No-ring Chain	For Seal-ring Chain
Clip (open)CL		
Rivet PL		
Split Connecting Link EPL		

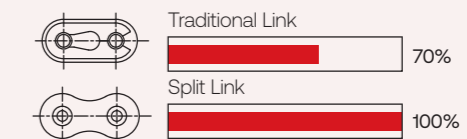
Split Chain Connecting Link

■ Please use split link for high power motorcycles



Split Link Vs Normal Link

The chain strength of traditional linking is only 70% of the chain, split type can increase to 100%.



CHOHO CHAIN CUTTING & RIVETING TOOL

45# LONG-LIFE

The chain breaker is made from 1045# steel precisely with high strength. It is grand and has a long life span.





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