



WIPPERMANN

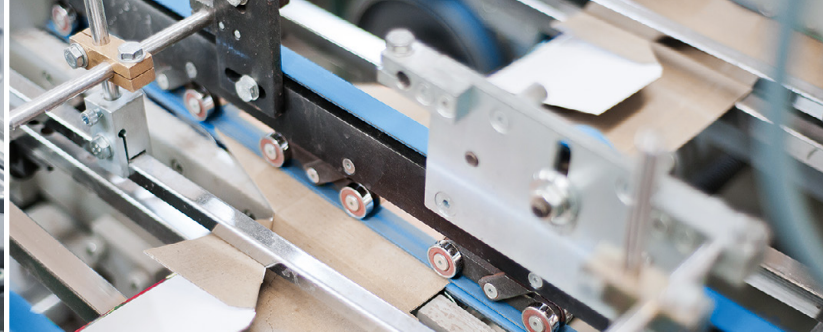


Maintenance-free chains

Efficient, reliable, economical
and individually configurable



Made in
Germany



Your requirements: special. Our solution: modular. Maintenance-free high-performance chains from the market leader.

Our concept for maintenance-free high-performance chains is called modularity: components with various properties allow the configuration of the chain according to your requirements. For customised drive solutions with optimum performance.

For decades, we have been committed to continuously advancing the new and further development of all kinds of drive components with regard to wear resistance and fatigue strength as well as corrosion and temperature resistance. By developing selected high-grade steels, environmentally-friendly and FDA-compliant functional coatings and innovative polymer bearings we have continuously pushed the technical and economic boundaries.

Today, a broad range of low-maintenance and maintenance-free industrial chains by Wippermann meet virtually all requirements placed upon drive systems. In addition to our six high-performance models, you also have the option to individually customise our maintenance-free chains to your requirements.

Please do not hesitate to contact us - your success is our motivation.



Adjusted to technical and economical perfection.

Our maintenance-free chains cover a wide range of applications. The interaction of the components leads to a unique performance profile for each chain model. The result: tailor-made drive solutions for the

electrical, food, packaging and automotive industry where lubrication of the chains is not possible for technical or economic reasons.

Maintenance-free	TRIATHLON	TRIATHLON KS	MARATHON RF	Lubricant-free
	MARATHON	-	-	
Low-maintenance	BIATHLON	BIATHLON KS	BIATHLON RF*	Lubricated
High-maintenance	STANDARD	STANDARD KS	STANDARD RF	
	Unprotected	Corrosion-protected	Corrosion-free	

KS - Corrosion protection RF - Stainless materials *Customised version on request

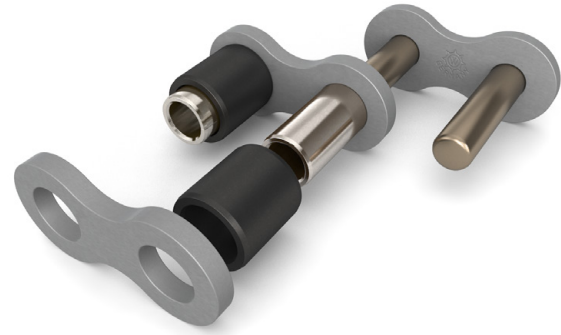


BIATHLON

Special coatings guarantee high wear resistance even in cases of insufficient relubrication and expand the service life.

- Pin with highest hardness thanks to chemically nickel-plated
- Low-friction roller coating
- Good dry-running properties in case of lack of lubrication
- Particularly economical

Protected against wear

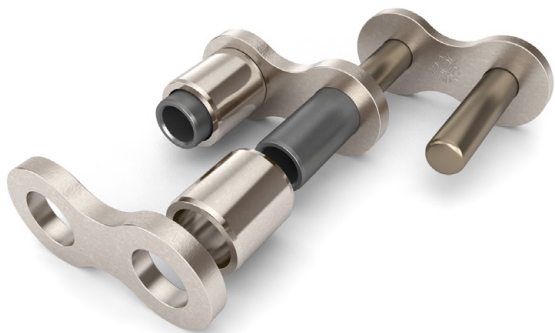


BIATHLON KS

Highest corrosion resistance in its class, combined with excellent wear resistance, ensures particularly economical drive solutions.

- Highest corrosion protection thanks to Zn-Al-flake coated
- RoHS compliance (chrome-VI-free)
- Pin with highest hardness thanks to chemically nickel-plated
- Good dry-running properties in case of lack of lubrication
- Particularly economical thanks to high corrosion and wear protection

Protected against wear / corrosion



MARATHON

The combination of high-grade sinter bushings containing special lubricants and a specially coated pin enables maintenance-free applications.

- High endurance chain without re-lubrication
- Up to 35 times longer service life than standard roller chains without lubrication
- Clean application, dry surface
- High load-bearing sinter bushings containing special lubricants
- Chemically nickel-plated pin with the strongest wear protection layer on the market

Maintenance-free



MARATHON RF

High load-bearing, low friction polymer bearings offer a broad range of applications, including dry running operation, permanent contact with water and applications with chemical substances.

- All chain components made of stainless steel
- Greatest possible freedom of maintenance under corrosive conditions, such as permanent contact with water
- Chain joint with high load-bearing and low friction polymer bearings
- Alternative bearing materials for special applications (temperature, FDA, chemistry)

Maintenance-free / stainless

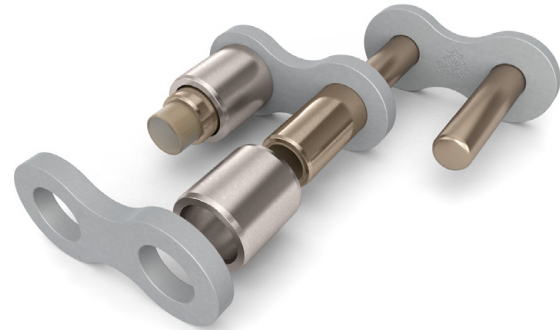


TRIATHLON HT

Coated pins and special polymer bearings ensure high load-bearing capacity and extreme wear resistance at high temperatures.

- Maintenance-free and highly resistant from -30 °C to +200 °C
- Completely lubricant-free operation possible
- High-tech polymer bearings with maximum temperature resistance
- Chemically nickel-plated pins and carrier bushes with highest hardness

Highly temperature resistant / lubricant-free



TRIATHLON KS

Polymer bearings with FDA approval, environmentally-friendly corrosion protection and high-grade steels, make this chain a real all-rounder in sensitive production processes.

- Lubricant-free for highly sensitive production processes
- Highest corrosion protection thanks to Zn-Al-flake coated and stainless rollers
- Bearing material with FDA approval and excellent chemical resistance
- RoHS compliance (chrome-VI-free)
- Chemically nickel-plated pins and carrier bushes with highest hardness

Protected from corrosion / lubricant-free

As versatile as your areas of application: TRIGLEIT polymer plain bearings

You define the application-specific focus for maximum performance and optimum cost efficiency of your drive solution.

With three different materials, we offer the optimum bearing for every application.

TRIGLEIT polymer bearing

	II	Z	FDA
Cost efficiency	• • •	• •	•
Wear	• • •	• •	• •
Friction	• • •	• •	•
High temperatures	•	• • •	• •
FDA approval, direct food contact	-	-	• • •
Chemicals	•	• •	• • •
Steam*	-	-	• •
Water contact	• • •	• • •	• • •
Dry running operation	• • •	• • •	• • •

• • • very good

• • good

• limited

- not possible

*alternative solutions on request



Your success is our motivation. Since 1893.

We combine many years of industry experience in numerous industrial sectors with comprehensive technology competence and great innovative power. On this basis, we offer our customers a broad range of high-quality standard and special chains as well as chain sprockets, which impress through their efficiency and cost-effectiveness in specific



Research and development

Our research activities are dedicated to developing products for future requirements and to open up new fields of applications in which the use of our chains has not been efficient thus far.



Product engineering

We develop complete sprocket-chain systems with perfectly matched components that provide optimum functionality and efficiency of our customers' drive systems.

applications. Versatile engineering services and individual application advice complete our range of services and make us your reliable partner for all challenges related to your drive system.

What challenge can we master for you?



Manufacturing engineering

We offer a manufacturing depth that is unique in the industry and thus adapt a large proportion of our machinery to our special requirements.



Application advice

We can draw on a wealth of experience regarding the varied fields of application of our chains and provide our customers with advice for the development of their systems and products already at an early stage.

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