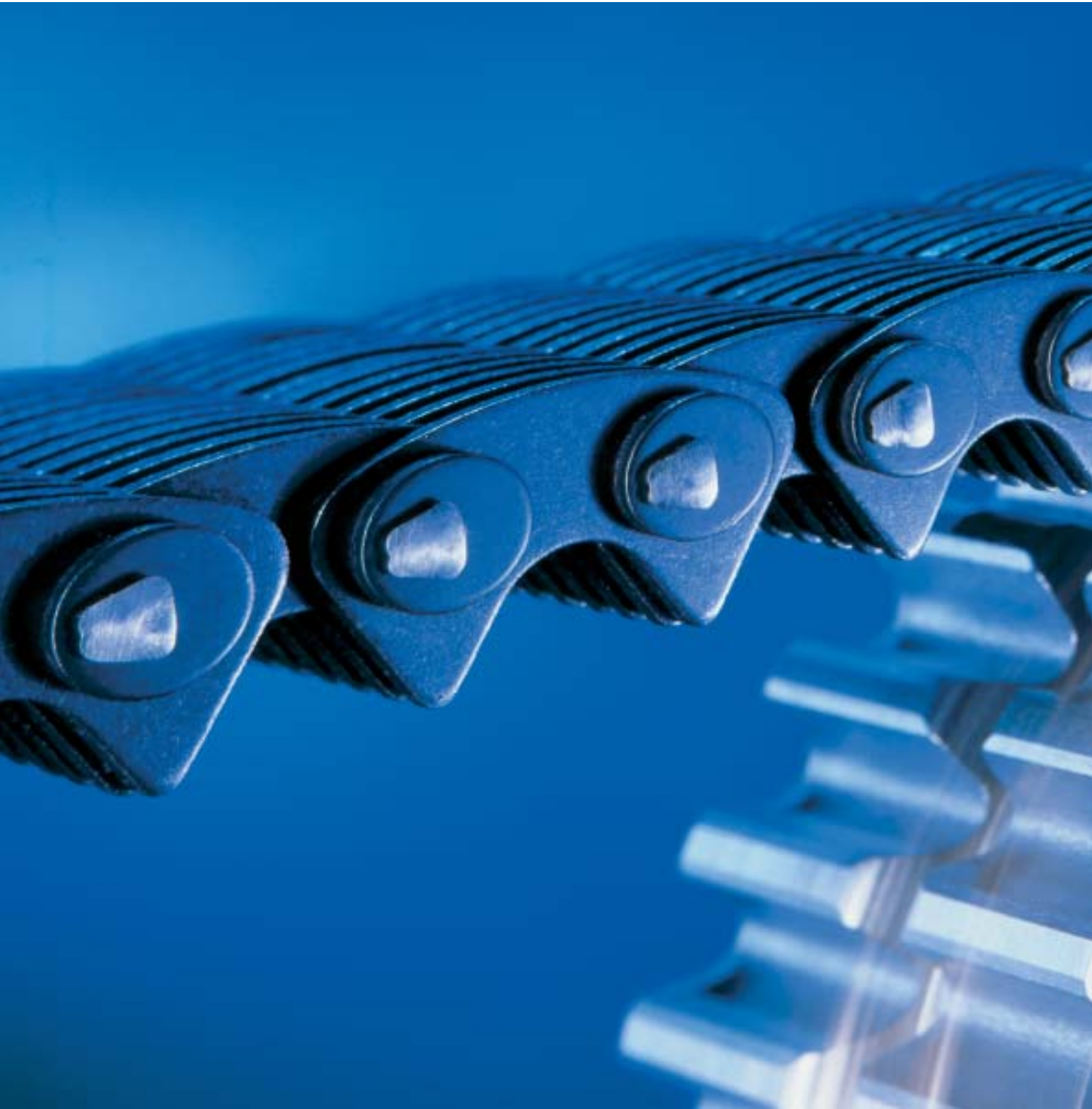


The Right Choice for Any Occasion

Rexroth inverted-tooth chains for driving and conveying



Our experience is visible in every detail.
Solutions packed with power and precision.



Rexroth inverted-tooth chain drives.
Exactly adapted to the customer's needs.
Order-specific modifications and new developments.



No matter what the industry or task is, whether for driving or conveying, we can work out the perfect solution for you.

Our engineers work closely with our customers' technical departments, which results in configurations, created from a wide range of solutions, that are perfectly tailored to specific applications.



Inverted-tooth chain drives take on special importance among the common wrap drives, and they are the quietest of all interlocking drives.

Using modern technology, we determine and calculate the right configuration for you.

Inverted-tooth chains and sprockets are optimally adapted to one another as well. In this manner, a drive or conveying section is created that lives up to the highest expectations and guarantees absolute reliability.



Solutions that guarantee functionality, safety, high economic efficiency, and a long service life.



Inverted-tooth chains are used in a wide range of applications.

This results from a multitude of standard components that can be individually configured to create a customer-specific system solution. That is why there is almost no industry where inverted-tooth chains do not prove their cost-effectiveness on a daily basis.

Silence, functional reliability, and a long service life are some of the attributes of inverted-tooth chain drives.

Besides the tooth form and special link construction on the chains, sprockets also make a considerable contribution to the system's excellent running properties and are tailored to the needs of the customer.

Our inverted-tooth chains make the grade when it comes to precise, fast, and silent drives.



Modern-day machinery production requires drives to offer a high degree of cost-effectiveness, precision, and reliability.

Small dimensions, high efficiency, and easy assembly are additional requirements that have to be met.

Rexroth's inverted-tooth chain drives meet all of these requirements.

This is made possible by a unique 2-part rolling pivot joint and the special meshing of the inverted-tooth chain and sprocket. This special design is included in all of the pitches and models that are currently available.



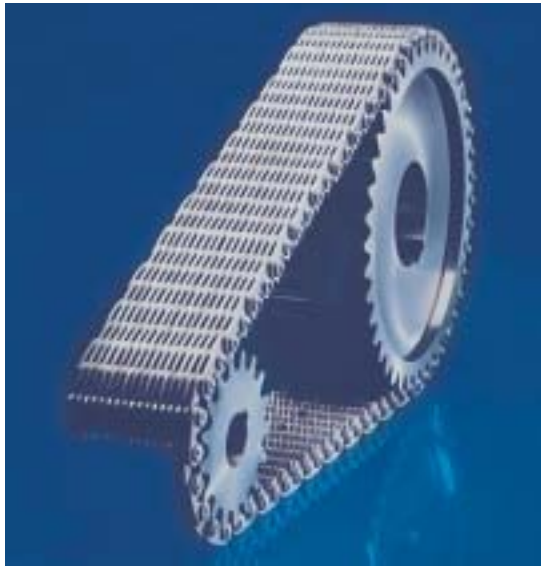
Inverted-tooth chains for drives up to 50 m/sec

High speeds and torque are not a problem for Rexroth's inverted-tooth chain drives. At the same time, extremely quiet running reduces the level of noise, which fully complies with environmental directives for quieter drives for machines.



Inverted-tooth chains are used for classic circuit operation. Due to their technical advantages, they are also the perfect solution for drives with shafts that run in counterrotation or for reversing-operation drives.

Inverted-tooth chains are also used as couplings. In this case, they fall in the category of flexible shaft couplings.



There are a variety of product ranges to help you select the optimum drive for your application.

There are also various pitches within the product ranges: the spectrum covers pitches from 5/16" to 2 1/2". The width of the chain is determined by the available space and is individually adjusted.

In this manner, a drive is created that ensures perfect adaptation to the requirements and is optimally cost-effective.

Our customers' technical requirements and expectations have the highest priority when calculating and dimensioning a drive with inverted-tooth chains and sprockets.

The strict quality demands for Rexroth inverted-tooth chains guarantee that our customers get the highest level of reliability possible. The result of this is a drive that guarantees a long service life and high efficiency.

Drives are of particular importance for any type of machine or system.

They have to provide a high level of reliability so that unwanted production disruptions can be avoided.

Whether large or small, light or heavy, our inverted-tooth conveyor chains can carry all parts precisely to the right location.



The wide variety of application options is extended by the use of high-quality material that lets the chain withstand temperatures up to 450 °C, as well as by stainless steel versions.

Inverted-tooth chains for conveying and linkage systems provide optimum conveyor-belt systems.

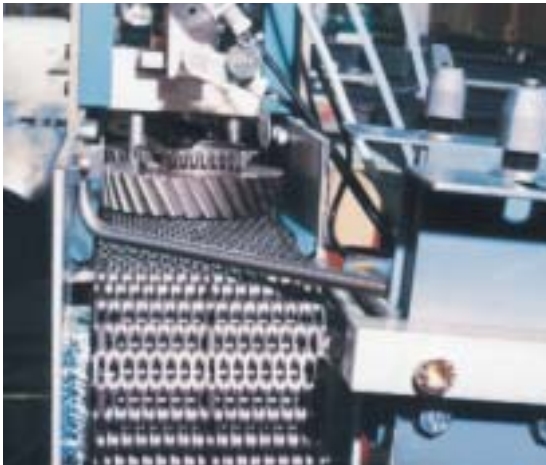
They offer the best option for conveying your workpieces. Feeder and storage systems are also important components within automated production lines. Individual adjustment of workpiece pallets, protecting workpieces from vibration, and gentle conveying, even during accumulation operation, are just a part of the overall requirements that a conveying system must conform to.



Inverted-tooth conveyor chains from Rexroth work slip-free and carry every part to the right station at the prescribed time. The workpieces rest either directly on the chains, on pallets, or on carrier devices that have been specially integrated into the chain, depending on the type and shape of the workpiece. More than 500 different driver link plates are also available to help accomplish this task.

Rexroth has extensive experience in this area. Economical, user-friendly solutions are the main priority for our conveying technology, which is unsurpassed in terms of service life and availability.





The technical variety of inverted-tooth conveyor chains covers a wide range of applications.

Inverted-tooth chains are optimally suited to all types of use: for heavy-duty, robust operation, or to convey parts with small or large dimensions, processed or unprocessed workpieces, or even fragile items.

These features are without a doubt convincing. In the automotive—or any other—industry, inverted-tooth conveyor chains provide smooth, fail-safe operation for all interlinked production processes.

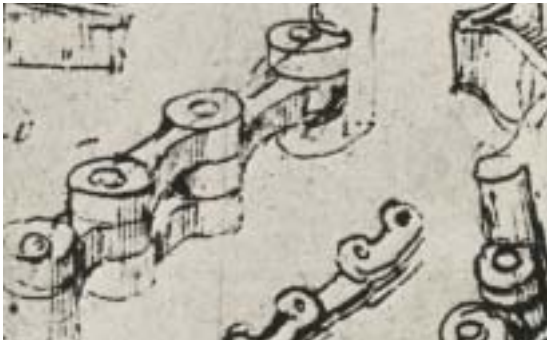


Customer service, engineering, design, and extensive know-how—all advantages that you can dig your teeth into.

Using the latest technical methods and field-specific knowledge needed for the customers' tasks, we calculate and develop the most suitable configuration. Inverted-tooth chains and sprockets are perfectly adapted to each other.



We apply the same standards to our development and production processes as we do to our inverted-tooth chains: 100% accuracy.



Even Leonardo da Vinci, one of the greatest geniuses in history, sketched an inverted-tooth chain.

However, he lacked the technical resources to make it a reality in his time.

We have accomplished in our development and design what da Vinci couldn't.

Using the most modern systems and special calculation programs, we have developed improved link systems and created new link-plate forms.

Practice-related improvements

such as laser-welded inverted-tooth chains are a part of this.

Our development goal is to constantly improve our inverted-tooth chains

in order to reach an even higher power transfer and also to improve even further on the low-noise emissions of inverted-tooth chains.

Complex test scenarios and endurance trials also check the prototypes inside and out.



Engineering and Production work closely together to improve our inverted-tooth chains.

Therefore we place special importance on our customer's demands and wishes.

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