Rexnord RexProX Leaf Chain Overview

Rexnord RexProX Leaf Chain
Choose Rexnord RexProX Leaf Chain for reduced maintenance and doubled wear life time.
Rexnord RexProX Leaf Chain
Extreme Performance

When specifying and designing our products we strive to achieve the high demands of our customers by providing significantly reduced life-cycle costs and very low maintenance. The Rexnord® RexProX® Leaf Chain meets these criteria and is at the same time suitable for applications under extreme conditions.

Optimized selection
The smaller and lighter chain design provides the most evenly distribution and load to the pin. Based on an optimized material utilization, an extremely high loading capacity and maximum fatigue strength, it is ideal for heavy-duty drives and lifting purposes. The linear scalability allows an optimum chain choice fitting best to individual requirements.

Significant higher wear life time
Due to a reduced joint stress and a higher wear volume the wear lifetime for this leaf chain is now doubled. This property is completed by an excellent surface adhesion and drip resistance, even at high temperatures.

Reduced maintenance
The Rexnord RexPro® Lubrication ensures an excellent protection extending the relubrication interval fivefold compared to a standard leaf chain. This not only reduces the maintenance, but also increases productivity and guarantees a dependable operation.

Overall cost saving
As a well specified, high-quality product, this leaf chain lasts many times longer. It requires significantly less in-operation maintenance and saves overall costs in terms of procurement, maintenance, replacement and equipment downtime.

Features and benefits
- Complies with the excellent RexPro standards
- Enlarged bearing area
- Higher tensile strength
- Maximum fatigue resistance

Advantages
- For high-performance power transmission applications
- Extremely high impact strength
- Extremely robust, even under difficult conditions

Lubrication
- Excellent protection through Rexnord RexPro Lubrication without heavy metals
- Operating temperature range: –30°C to +130°C (can be extended –40°C to +250°C)
- Outstanding surface adhesion; drip resistant even at high temperatures
- Contains no heavy metals

Industries Served:
- Material handling
- Telehandlers
- Machine tool
- Drilling machines
The new generation leaf chain.

**New Lacing Concept**
The single lacing concept allows a better scalability and significantly reduces oversizing of the chain. This innovative design also gives the chain a higher load capacity.

**New Plate Design**
Rexnord had a critical view on the 8-shaped plate design of the standard leaf chain and upgraded the design to achieve a better load performance for the RexProX Leaf Chain.

**Washer with Batch Number**
Every meter of chain is equipped with a silver washer. This silver label has a batch number which makes it possible to retrace all the tests performed during the manufacturing process.

**Slide Fit Pin**
The slide fit pins are heat-treated which creates an optimally deep hardened layer that increases wear resistance and production life span.
### Rexnord RexProX Leaf Chain Dimensions

**Rex® 21-15**

![Diagram of Rex 21-15 leaf chain](image)

<table>
<thead>
<tr>
<th>Chain type</th>
<th>Pitch mm</th>
<th>Pin Ø mm</th>
<th>Plate height mm</th>
<th>Plate thickness mm</th>
<th>Overall width mm</th>
<th>Weight kg/m</th>
<th>UTS kN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rex 21-5</td>
<td>21</td>
<td>7.92</td>
<td>19</td>
<td>3.1</td>
<td>23.0</td>
<td>2.1</td>
<td>72</td>
</tr>
<tr>
<td>Rex 21-7</td>
<td>21</td>
<td>7.92</td>
<td>19</td>
<td>3.1</td>
<td>29.5</td>
<td>2.8</td>
<td>108</td>
</tr>
<tr>
<td>Rex 21-9</td>
<td>21</td>
<td>7.92</td>
<td>19</td>
<td>3.1</td>
<td>36.0</td>
<td>3.5</td>
<td>144</td>
</tr>
<tr>
<td>Rex 21-11</td>
<td>21</td>
<td>7.92</td>
<td>19</td>
<td>3.1</td>
<td>42.5</td>
<td>4.3</td>
<td>180</td>
</tr>
<tr>
<td>Rex 21-13</td>
<td>21</td>
<td>7.92</td>
<td>19</td>
<td>3.1</td>
<td>49.0</td>
<td>5.0</td>
<td>216</td>
</tr>
<tr>
<td>Rex 21-15</td>
<td>21</td>
<td>7.92</td>
<td>19</td>
<td>3.1</td>
<td>55.5</td>
<td>5.7</td>
<td>252</td>
</tr>
<tr>
<td>Rex 21-17</td>
<td>21</td>
<td>7.92</td>
<td>19</td>
<td>3.1</td>
<td>62.0</td>
<td>6.5</td>
<td>288</td>
</tr>
<tr>
<td>Rex 21-19</td>
<td>21</td>
<td>7.92</td>
<td>19</td>
<td>3.1</td>
<td>68.5</td>
<td>7.2</td>
<td>324</td>
</tr>
</tbody>
</table>

© Ultimate Tensile Strength
Save 80% Total Cost of Ownership with Rexnord RexProX Leaf Chain.

The initial cost, the wear lifetime and the maintenance intervals are the three critical factors that determine the total cost of your chain. With inspection and re-lubrication intervals up to 2500 hours and a doubled wear lifetime, the Rexnord RexProX allows you to save up to 80% on your total cost of ownership.

Fit and proper chain choice and scalability.

Choosing standardized chains by breaking load means in many cases oversizing. The RexProX Leaf Chain provides linear scalability for optimum chain choice, fitting best to the requirements, while oversizing is significantly reduced.
## Overview of Rexnord Leaf Chain Offering

### Extreme Performance Leaf Chain

<table>
<thead>
<tr>
<th>Chain</th>
<th>Static loading</th>
<th>Dynamic loading</th>
<th>Chain hinge</th>
<th>Wear resistance</th>
<th>Acid corrosion resistance</th>
<th>Damp corrosion resistance</th>
<th>Eco-friendly</th>
<th>Lubrication</th>
<th>Linear scalability</th>
</tr>
</thead>
<tbody>
<tr>
<td>RexHiPro® Leaf Chain</td>
<td></td>
<td></td>
<td></td>
<td>8</td>
<td></td>
<td>8</td>
<td>VSK001</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rex Athletic® Leaf Chain</td>
<td></td>
<td></td>
<td></td>
<td>8</td>
<td></td>
<td>VSK010</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RexProX Leaf Chain</td>
<td></td>
<td></td>
<td></td>
<td>8</td>
<td></td>
<td></td>
<td>VSK001</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### High Performance Leaf Chain

<table>
<thead>
<tr>
<th>Chain</th>
<th>Static loading</th>
<th>Dynamic loading</th>
<th>Chain hinge</th>
<th>Wear resistance</th>
<th>Acid corrosion resistance</th>
<th>Damp corrosion resistance</th>
<th>Eco-friendly</th>
<th>Lubrication</th>
<th>Linear scalability</th>
</tr>
</thead>
<tbody>
<tr>
<td>RexPro Leaf Chain</td>
<td></td>
<td></td>
<td></td>
<td>8</td>
<td></td>
<td>VSK001</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Approved Performance Leaf Chain

<table>
<thead>
<tr>
<th>Chain</th>
<th>Static loading</th>
<th>Dynamic loading</th>
<th>Chain hinge</th>
<th>Wear resistance</th>
<th>Acid corrosion resistance</th>
<th>Damp corrosion resistance</th>
<th>Eco-friendly</th>
<th>Lubrication</th>
<th>Linear scalability</th>
</tr>
</thead>
<tbody>
<tr>
<td>RexDL Leaf Chain</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Symbol Key

- **Loading capacity**: For heavy-duty and lifting purposes
- **Wear resistance**: Excellent protection through RexPro lubrication
- **Damp corrosion resistance**: Outstanding corrosion resistance
- **Acid corrosion resistance**: Excellent resistance to rust and acids
- **Eco-friendly**: Through RexPro Lubrication
- **Linear scalability**: Optimized selection

- **Eco-friendly**
  - For heavy-duty and lifting purposes
  - Excellent high loading capacity

- **Wear resistance**
  - For extreme conditions

- **Eco-friendly**
  - Contains no heavy metals

- **Linear scalability**
  - Best ratio between breaking load and dynamic load
Why Choose Rexnord?
When it comes to providing highly engineered products that improve productivity and efficiency for industrial applications worldwide, Rexnord is the most reliable in the industry. Commitment to customer satisfaction and superior value extend across every business function.

Delivering Lowest Total Cost of Ownership
The highest quality products are designed to help prevent equipment downtime and increase productivity and dependable operation.

Valuable Expertise
An extensive product offering is accompanied by global sales specialists, customer service and maintenance support teams, available anytime.

Solutions to Enhance Ease of Doing Business
Commitment to operational excellence ensures the right products at the right place at the right time.

Rexnord Company Overview
Rexnord is a growth-oriented, multi-platform industrial company with leading market shares and highly trusted brands that serve a diverse array of global end markets.

Process & Motion Control
The Rexnord Process & Motion Control platform designs, manufactures, markets and services specified, highly engineered mechanical components used within complex systems where our customers’ reliability requirements and the cost of failure or downtime are extremely high.

Water Management
The Rexnord Water Management platform designs, procures, manufactures and markets products that provide and enhance water quality, safety, flow control and conservation.