



Key Industry:
Material Handling

Applications:

- Corrugated containers
- Cartons
- High-graphic folding cartons
- Lithographic cases
- Multi-packs
- Shrink-wrapped packages
- Totes

General specifications:

- Patented roller retention system
- Available in HP and high-temperature (HT) chain materials
- High working load for longer conveyor runs
- Capable of conveying and accumulating at high speeds
- Standard Rexnord 8500 Series Sprockets
- Chain strength:
 - HT8503: 425 lbs/ft, 6,201 N/m
 - HP8503: 775 lbs/ft, 11,307 N/m

Rexnord 8503 Low Backline Pressure MatTop Chain

Engineered to convey your packages with a patented roller retention system.

As part of our comprehensive line of high-strength and low backline pressure (LBP) chain, the Rexnord® 8503 LBP MatTop Chain offers smooth nose-over transfers and low backline pressure for accumulating conveyors in the material handling industry.

Chain designed for multiple applications

The chain is designed to accumulate and convey cases, cartons, totes and multi-packs in various materials, including high-graphic folding cartons, corrugated containers, lithographic cases, plastic, paper, fiberglass and shrink-wrap.

The high-density roller design provides more roller contact for better product support and stability. This helps to minimize damage to packaged products during conveying or accumulation.

This chain combines a high working load, small 3/4-inch pitch (19.1 millimeters) and a small 1-1/8-inch (28.6 millimeters) self-clearing nose-over transfer, making longer runs possible while eliminating deadplates and the concern of stranded products. In addition, the chain is assembled with polyester pins that offer excellent wear properties for long chain and roller life, which is particularly beneficial for nose-over applications.

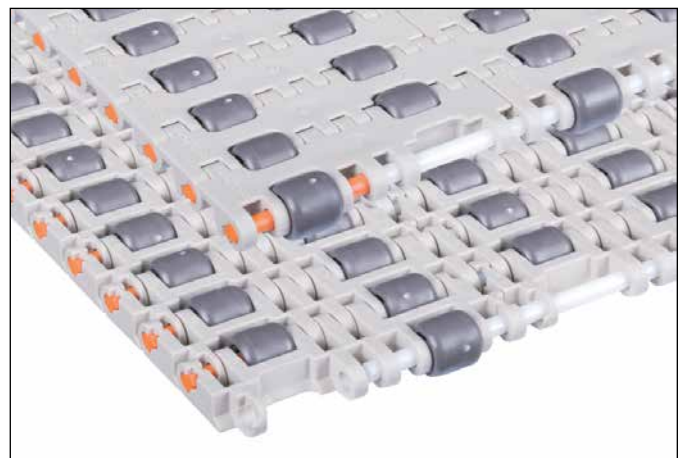
Patented roller retention system

The Rexnord 8503 LBP MatTop Chain incorporates a unique patented roller retention system that makes it the easiest LBP chain on the market to install. By capturing the rollers in the link, the assembly, disassembly and maintenance of the chain can be done without the worry of losing rollers into the conveyor system, onto the floor or through mezzanine grates to levels below.

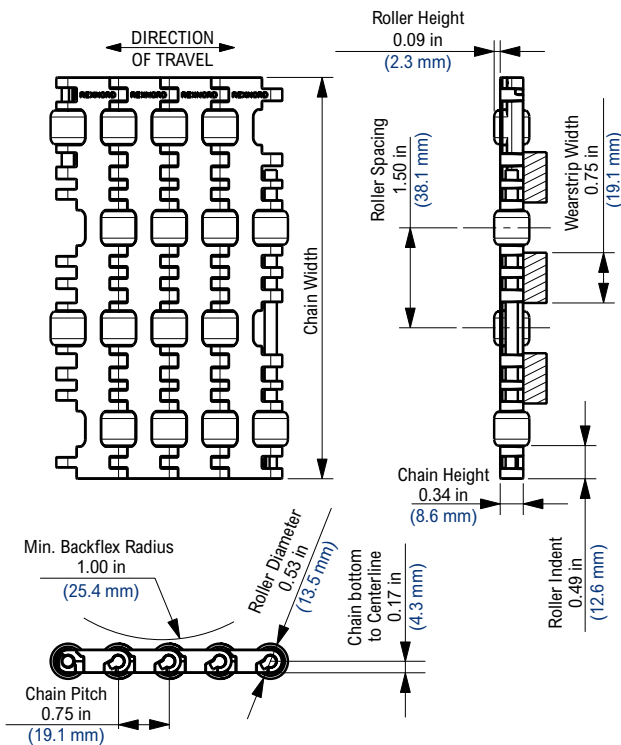
The system also incorporates low-friction HP™ rollers on our high-performance chain materials for optimum accumulating performance in your facility.

Technical expertise

The combination of our chain design and technical expertise can help you choose durable conveyor systems that guarantee optimal product handling without compromising your ability to meet targets for safety improvements, increased productivity, water reduction, and energy savings. Contact your Rexnord FlatTop representative or our North American Application Engineering team at 262-376-4800 to review your application.



**Rexnord HP8503 and HT8503
LBP MatTop Chain dimensions**



**Dynamic Nose-over bar for
Rexnord 8500 Series MatTop Chain**



Compact modular design nose-over bar with 1-1/8-inch (28.6 millimeters) diameter nose-over capability

Features and benefits:

- Patented roller retention feature keeps rollers in links during assembly and disassembly
- LBP turns sliding friction into rolling friction
- Handles various package sizes and is capable of conveying and accumulating at high speeds
- Rollers rotate on polyester chain pins, minimizing roller and pin wear
- Can be used with 1-1/8-inch (28.6 millimeters) dynamic nose-over bar for easy and smooth inline transfers
- Superior chain-sprocket interaction results in the elimination of belt slippage and tracking issues
- Operates on standard Rexnord 8500 Series Sprockets
- A range of sprocket materials and sizes are available in both solid and split designs
- HP acetal rollers offer low rolling resistance with high-wear resistance
- Available in both HP and HT link materials
- Low-friction chain materials reduce power consumption
- Available in increments of 3 inches (76.2 millimeters) starting at a minimum width of 3 inches (76.2 millimeters)
- High working load for longer conveyor runs