



Rexnord HTX7748 MatTop Chain

FOR HEAT TUNNEL APPLICATIONS



Proprietary and specially engineered heat stable material to withstand heat tunnel applications.



Rexnord FlatTop continuously develops solution-oriented, innovative conveyor chain and components to meet the increasing performance demands of high-speed and mass-flow containers in the beverage & liquid, and food industries. Our Rexnord® HTX™7748 MatTop® Chain for heat tunnel applications provides mitigated oxidation, increased uptime, reliability, and more, for your operation.

PROPRIETARY AND SPECIALLY ENGINEERED HEAT STABLE MATERIAL

Rexnord HTX7748 MatTop Chain is designed with smooth surface and 42 percent open area to support heat dissipation through cooling cycles. Our proprietary and specially engineered heat stable material is formulated to withstand heat to cooling cycles of heat tunnels, ensuring uniform cooling with mitigated oxidation. Additionally, it allows for easy release of materials, which means less scrap, more uptime and longer chain life.

ENGINEERED DESIGN FOR HIGH PERFORMANCE AND RELIABILITY

Our chain is designed for high performance and reliability with a heavy-duty plug and retention feature, stainless steel pins, and the Rexnord 7700 Series MatTop Chain proven base design. Rods remain in place for a stronger chain, and link replacement is mitigated, leading to more uptime and longer chain life.

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.

Key Industries

Beverage & Liquid
Food

Key Applications:

500-degree Fahrenheit (F)
(260 C) heat tunnels for
shrink-wrap case packers

Material:

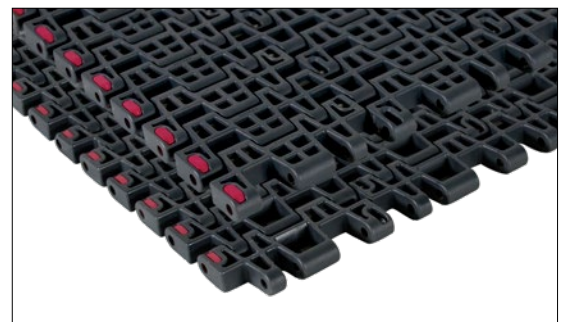
HTX

Chain style:

7748 MatTop Chain

Features:

- Heat dissipating chain design
- Engineered with proprietary material
- Molded-to-width available in 3-inch increments (76 millimeters)
- Pitch and link height allow for minimal adjustments to retrofits

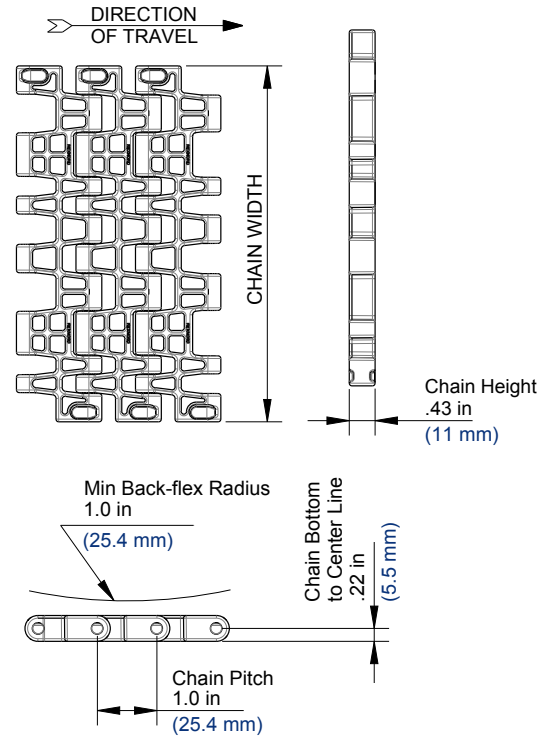


Rexnord HTX7748 MatTop Chain shown above.

FEATURES AND BENEFITS:

- 1-inch (25 millimeters) pitch and .43-inch (11 millimeters) link thickness for easy retrofits and installation
- 42 percent open area for quick heat dissipation
- Smooth surface for easy release of materials, less scrap and maintenance
- Stainless steel rods for strength and chain life, and more uptime
- Uses Rexnord 7700 MatTop Sprockets for easy order processing
- Heavy-duty plug design with retention feature
- Material specifically designed to reduce oxidation, resulting in longer chain life

Rexnord HTX7748 MatTop Chain dimensions



Available Material

Prefix	Chain Material	Standard Pin Material	Temperature						Chain Strength*		Approximate Weight		FDA Approval
			Fahrenheit			Celsius			lbs/ft	N/m	lbs/ft ²	Kg/m ²	
			min	max dry	max wet	min	max dry	max wet					
Standard Materials													
HTX	Extreme High Temperature	Stainless Steel	-40	+275	NR	-40	+135	NR	1,600	23,344	2.12	10.36	No

Friction Factors Between Material and Product

Operating Condition	Product Material						
	Aluminum	Returnable Glass Bottles*	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink-wrap, etc.)	PET	Steel
Dry	0.25	0.27	0.20	0.33	0.25	0.25	0.30
Water	NR	NR	NR	NR	NR	NR	NR
Soap and Water	NR	NR	NR	NR	NR	NR	NR
Oil	—	—	—	NR	—	—	—

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material			
	Carbon and Stainless Steel	UHMWPE	Nylatron®**	ULF™
Dry	0.30	0.25	0.25	0.25
Water	NR	NR	NR	NR
Soap and Water	NR	NR	NR	NR
Oil	—	—	—	—

NR denotes "not recommended," dash denotes "combination not tested."

*Chain strength is listed at room temperature.

**Nylatron is a registered trademark of Quadrant Engineering Plastics Products.