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3120 Series MatTop Chain Universal Bracket Breakthrough Automotive Solution

The Rexnord® 3120 MatTop® Series Chain offers a maintenance-free chain system widely used in automotive and heavy-duty industrial applications. It offers high strength and stiffness. These attributes provide continuously smooth operation under heavily loaded conditions.

The Rexnord 3120 Series MatTop Chain is designed for industrial-type applications, such as skid handling, people movers, pallet handling and automotive parts handling. The robust design utilizes our patented Twistlock® plug.

Robust design

The Rexnord 3120 Series MatTop Chain offering is extended with the universal bracket. Based on a stainless steel robust bracket design, the roller brackets are connected to the plastic link in a robust slot, and locked with a spring-clip. The brackets can be installed and removed within seconds, using a standard screwdriver. Customized rollers can be made on request.

Easy technology conversion

The 3120 Series MatTop Chain expands the possibilities to easily and economically convert from your existing technology. Reinforced rubber belt applications can be converted to a reliable MatTop technology-handling solution, using the existing conveyor structure, and applying new guides and drive sprockets.

Operation characteristics:

- Insensitive to automotive liquids
- Positive drive sprocket eliminates slippage and prevents the skid from twisting during conveying
- Energy savings due to full plastic chain design which offers reduced weight and low friction
- High stiffness through narrow hinge design and large pin diameter
- No tensioning of the chain is required
- Easy installation and maintenance of chain bracket
- Chain damage can be repaired by replacing a single link at a time
- Brackets can be used to mount other parts, such as pedestals or customized pushers
- Standard roller sizes are available in metric sizes (30 and 60 millimeters); imperial sizes are available on request



3120 Series D60MM Universal Bracket



3120 Series D30MM Universal Bracket

3120 Series MatTop Chain Universal Bracket

Energy Saving

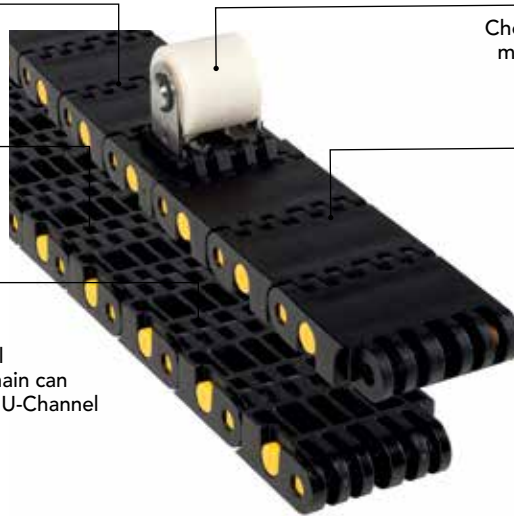
The proven chain design provides high-stiffness, eliminating the need for stainless steel pins. The result is less chain weight and a reduction in energy consumption.

Drive

The chain is driven by our proven sprocket design offering a standard double row tooth (H-style) configuration.

Smooth Operation

The narrow hinge design and large pin diameter result in high chain stiffness, creating smooth chain operation under all load conditions. In long conveyors, the chain can be supported using Rexnord MCC® 6000 U-Channel profiles, providing extra low friction.



Spacing of the Rollers

Choice of several links with the universal bracket mount. Spacing of the rollers is flexible and can be easily adjusted.

Reliable Handling

Universal brackets with rollers ensuring low friction skid handling. Various designs are possible.

Material Selection

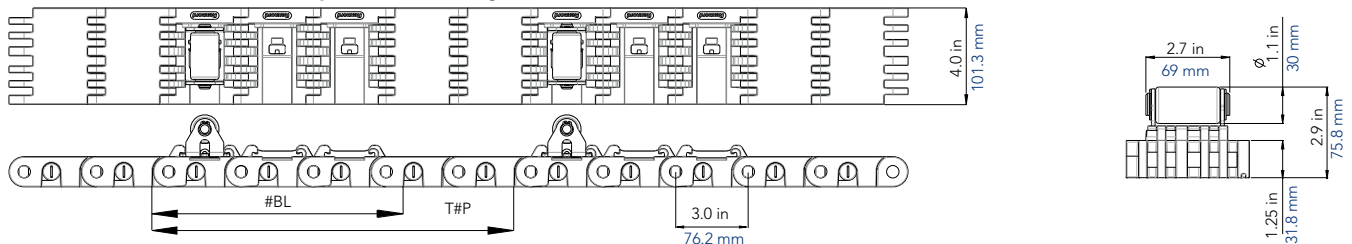
The chain is available in wear-resistant polyacetal (BSM) or high-capacity antistatic polyacetal (HCAS). HCAS combines strength with superior anti-static properties (surface resistivity 10¹¹ – 10¹³ Ohm/sq). Both materials are resistant to fluids commonly used in the automotive industry.

Chain Type	Working Load (max)		Temperature Range F / C		Weight
	lbs / N		Dry	Wet	lbs/ft ² / kg/m ²
BSM - Acetal with Polyester Pins					
BSM3125-4IN_#XD30_T#P_#BL	2.627 / 11.684		-22 to +176 / -30 to +80	up to +149 / up to +65	6.37 / 31.10 +0.44 / +0.2 for every roller attachment
BSM3125-4IN_#XD60_T#P_#BL	2.627 / 11.684		-22 to +176 / -30 to +80	up to +149 / up to +65	6.37 / 31.10 +1.10 / +0.5 for every roller attachment
HCAS - Acetal with Polyester Pins					
HCAS3125-4IN_#XD30_T#P_#BL	2.627 / 11.684		-22 to +176 / -30 to +80	up to +149 / up to +65	6.37 / 31.10 +0.44 / +0.2 for every roller attachment
HCAS3125-4IN_#XD60_T#P_#BL	2.627 / 11.684		-22 to +176 / -30 to +80	up to +149 / up to +65	6.37 / 31.10 +1.10 / +0.5 for every roller attachment

#XD indicates how many rollers there are in a section, T#P indicates how many pitches the sequence is repeated, #BL indicates the number of bracket attachments including the ones that are empty.

Sprocket Type (H-Style)	Code Number	Pitch Diameter		Bore Size		Hub Width	
		in / mm		in / mm		in / mm	
KU3120 T09 S60	10363526	8.771 / 222.8		2.36 x 2.36 / 60 x 60		1.88 / 47.8	
KU3120 T09 S90	10334667	8.771 / 222.8		3.54 x 3.54 / 90 x 90		1.88 / 47.8	
KU3120 T11 S60	10328782	10.650 / 270		2.36 x 2.36 / 60 x 60		1.88 / 47.8	
KU3120 T11 S90	10328788	10.650 / 270		3.54 x 3.54 / 90 x 90		1.88 / 47.8	

BSM3125-4IN_1X30MM_T5P_3BL specification drawing



BSM3125-4IN_1X60MM_T5P_3BL specification drawing

