

The 3120-Series 3-inch pitch belt is Rexnord strongest plastic MatTop chain, primarily used for industrial-type applications including oil-change conveyors, 2 lane final assembly line conveyors, Skid and pallet handling conveyors, 2-lane water test conveyors and automotive parts handling. The chain has proven itself also in single lane car wash and single lane end-of-line inspection conveyors replacing conventional technology. It is moulded in high performance acetal and utilizes Twist-Lock® plugs as well as ½" diameter polyester or stainless steel pins. The chain is available with several accessories like T1-inch and T2-inch automotive pushers and sideguards, all meeting the DIN24446 standard. The pushers are designed to be driven over and ensure a controlled handling of any size vehicles on top of the chain. This bricked chain is available from 4-inch wide with increments of 2-inch. Sprockets are available in solid or split execution and in several materials in robust design to handle increased loads.

Features

- Ultra high load capacity of 115,000 N/m (strongest plastic MatTop chain available). No need for (stainless) steel pins to reach maximum working load reducing overall chain weight and power consumption.
- Equally divided hinges combination with large ½" pin diameter provide very high stiffness.
- Long life design due to large pin diameter, optimum hinge eye width and proven wear resistant design of the chain underside (large contact surface).
- Easy installation and maintenance in combination with Twist-Lock pin retention at both sides, which are easy to operate with just a screwdriver and prevent the loss of plugs; self-closing under influence of chain weight.
- Superior drive technology also under high load and heavy duty circumstances, due to specific belt pocket and sprocket design.
- High strength pushers available intended for automotive and industrial usage.
- Available in SolidTop (3125), SafetyTop (3129) and RubberTop 3125 surface execution to meet any application conditions requirement.
- Standard available in BSM and in BYSM with yellow sides for clear moving belt edge safety indication; upon request also available with other color sides.
- High strength DIN style Automotive T1-inch and T2-inch pushers and H40-mm Sideguards available intended for automotive and industrial usage (sideguards are available exclusively through selected industry channels). Pushers and sideguards both meet the requirements of the DIN24446 standard.
- Belt can be equipped with T1 or T2 automotive pushers and or sideguards, please indicate pushers with T1 or T2 followed by the spacing of the pushers (e.g T18P means every 18th row). Indicate sideguard with SG40. Side indent to the pusher is minimum ½" with 2" increments.
- Chain is standard equipped with Polyester (PBT) pins. On request the chain can be equipped with stainless steel pins and in other chain materials as well.

Programme	
3125 Solid Top	Close Surface, suitable for any kind of industrial and automotive application
3129 SafetyTop	Closed non-skid surface; prevents slipping in wet, greasy or humid environments.
Belt accessories	T2-inch pushers available. Robust pushers designed to be driven over by vehicles

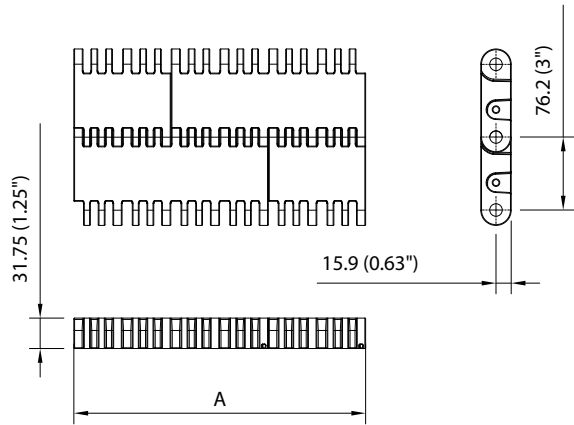
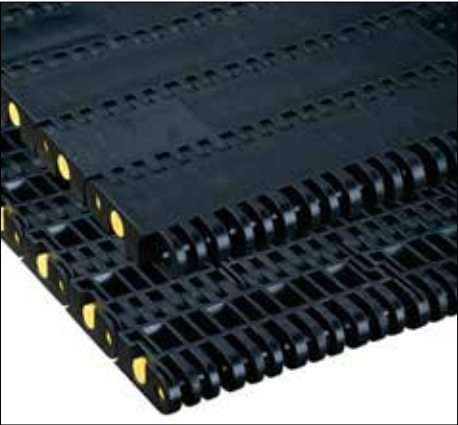


Exterior carwash entry 3125 belt conveyor with t2 pushers



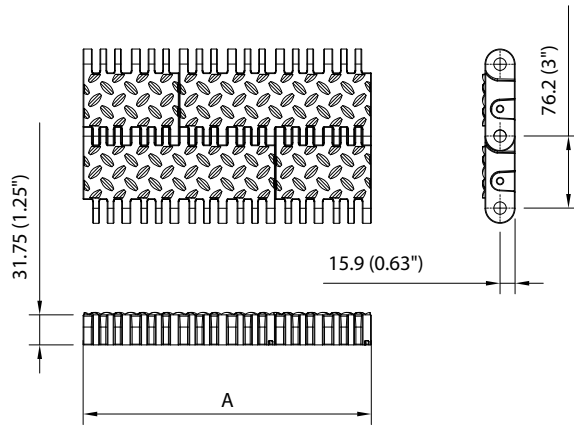
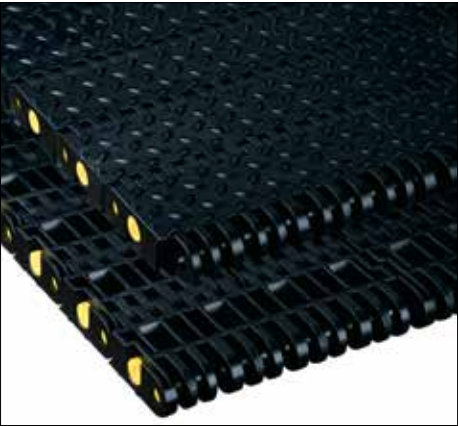
3125 End of line inspection belt conveyor with t2 din pushers

Solid Top 3125



Assembly	Belt Type	Code Number*	Temperature range °C		Working Load (max.)	Weight	Backflex Radius (min.)
			Dry	Wet	N/m (21°C)	kg/m²	mm
Acetal With Polyester Pins							
Standard	BSM 3125	I3125BSMKxx	-30 to +80	up to 65	115000	31.10	76.2

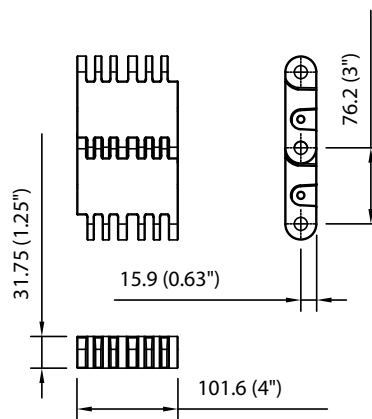
Safetytop 3129



Assembly	Belt Type	Code Number*	Temperature range °C		Working Load (max.)	Weight	Backflex Radius (min.)
			Dry	Wet			
Acetal With Polyester Pins							
Standard	BSM 3129	I3129BSMKxx	-30 to +80	up to 65	115000	31.10	76.2

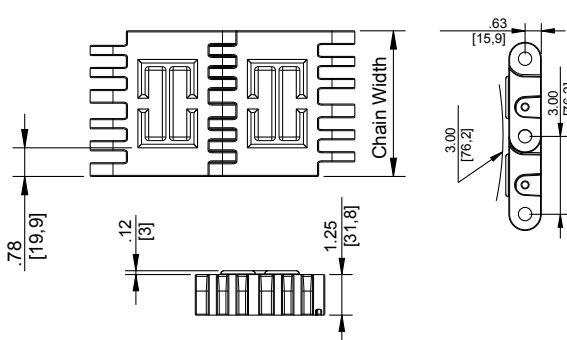
• In code numbers xx correspond with the belt width (A). Standard width of these belts begin at 4" with 2" increments up to 190"; 4" and 8" execution are mold-to-width executions. See page 223.

BSM3125-K4 MTW



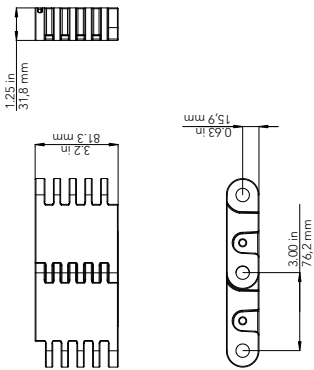
Assembly	Belt Type	Code Number*	Temperature range °C		Working Load (max.)	Weight	Backflex Radius (min.)
			Dry	Wet	N (21°C)	kg/m²	mm
Acetal With Polyester Pins							
Standard	BSM 3125 K4	I3125BSMK004	-30 to +80	up to 65	115000	31,10	76,2

Rubber Top 3125-K4



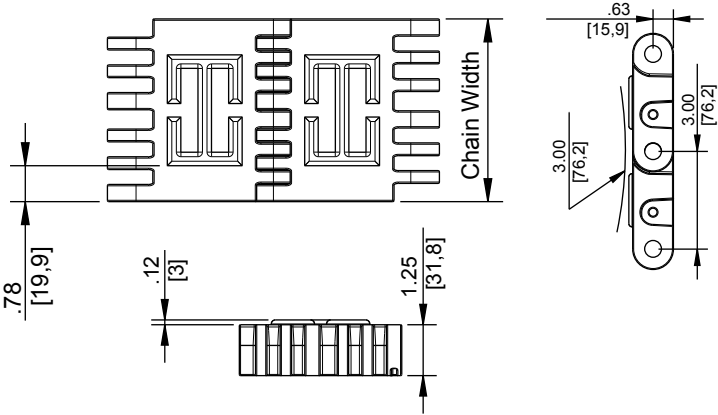
Assembly	Belt Type	Code Number*	Temperature range °C		Working Load (max.)	Weight	Backflex Radius (min.)
			Dry	Wet	N (21°C)	kg/m²	mm
Acetal With Polyester Pins							
Standard	BSM 3125 RT-K4 MTW	876.29.10	-30 to +80	up to 65	115000	31,10	76,2
Standard	BSM 3185 RT-K3.2 MTW	I3185BSM3.2 -30	-30 to +80	up to 65	115000	31,10	76,2

Solid Top 3185-K3.2 MTW



Assembly	Belt Type	Code Number*	Temperature range °C		Working Load (max.)	Weight	Backflex Radius (min.)
			Dry	Wet			
					N/m (21°C)	kg/m²	mm
Acetal With Polyester Pins							
Standard	BSM 3185 K3.2	I3125BSMK004	-30 to +80	up to 65	115000	31.10	76.2

Safetytop 3185-K3.2 Rubber Top



Assembly	Belt Type	Code Number*	Temperature range °C		Working Load (max.)	Weight	Backflex Radius (min.)
			Dry	Wet			
					N/m (21°C)	kg/m²	mm
Acetal With Polyester Pins							
Standard	BSM 3185 RT-K3.2 MTW	I3185BSM3.2 -30	-30 to +80	up to 65	115000	31.10	76.2

Designed for long runs and heavy loads, the Rexnord 3125-4IN MTW HYB Series MatTop Chain and the Rexnord 3122 HYB MatTop Chain are the preferred solution.. The design includes solid stainless steel pins (rods) and 12 stainless steel tension plates per link. The construction provides superior stiffness and fatigue strength which improves running properties, mitigates pulsation and provides extended chain life.

Our heaviest duty chain design for heavy load conveying

The Rexnord 3125-4IN MTW HYB Series MatTop Chain is designed for 4-inch (101mm) skid conveyors. The Rexnord 3125-4IN MTW SolidTop surface allows the skids to be aligned mechanically before transferring to the next conveyor. The RubberTop® feature ensures proper skid position in frequent start-stop operations; for example, buffer systems between the paint shop and the assembly department.

The Rexnord 3122- HYB MatTop Chain Series is offered in anti-slip safety top surface execution with perforations for drainage in wet environments and ventilation in inspection areas.



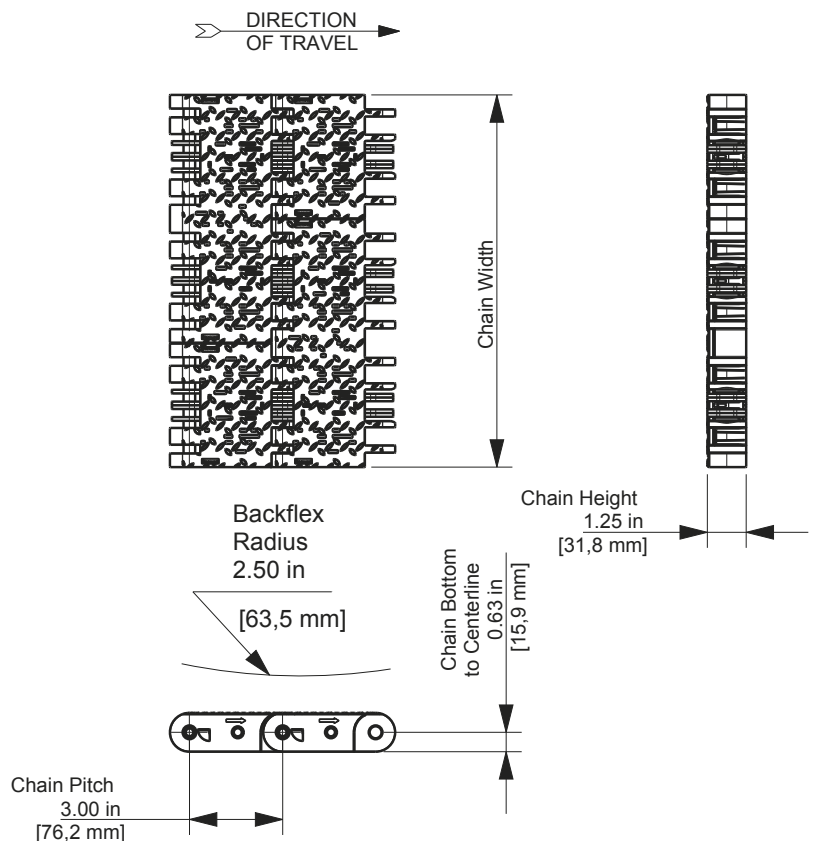
Conveyor equipped with Rexnord 3125 HYB 12 Series MatTop Chain.

3122HYB (MTW)



Chain Information

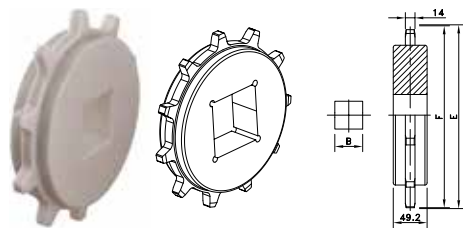
Chain Width			Number of Sprockets	Chain Strength	
desc	in	mm		lbs	N
4	4.0	101.6	1	6,000	26689



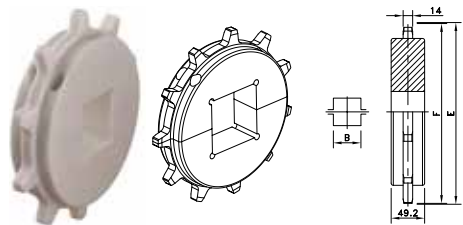
Available Materials

Prefix	Chain Material	Standard Pin Material	Temperature						Approximate Weight	
			Fahrenheit			Celsius				
			min	max		min	max		lbs/ft²	Kg/m²
				dry	wet		dry	wet		
Standard Materials										
BM	Black Material	Stainless Steel	-40	+180	+150	-40	+82	+66	11.61	56.67

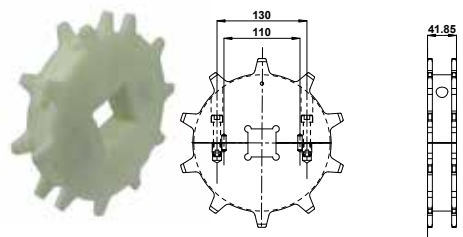
Classic Sprockets



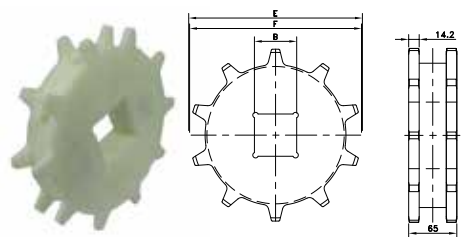
Split Sprockets



H-Style 3180 Sprockets



H-Style 3120 Sprockets



Sprocket Type	Code Number	Number of Teeth	Bore	Pitch Diameter	Outside Diameter	Hub Width
			B mm	E mm	F mm	A mm

Classic Sprocket

Square Bore

KU3120-9T_60MM_S_PA	10333226	9	60	222.8	218.9	47.8
KU3120-9T_90MM_S_PA	10334667	9	90			
KU3120-10T_60MM_S_PA	10333227	10	60	246.6	244.1	
KU3120-10T_90MM_S_PA	10334668	10	90			
KU3120-11T_60MM_S_PA	10333228	11	60	270.5	269.1	
KU3120-11T_90MM_S_PA	10334669	11	90			

Split Sprockets

Square Bore

KUS3120-9T_60MM_S_PA	10333329	9	60	222.8	218.9	47.8
KUS3120-9T_90MM_S_PA	10334701	9	90			
KUS3120-10T_60MM_S_PA	10333330	10	60	246.6	244.1	
KUS3120-10T_90MM_S_PA	10334702	10	90			
KUS3120-11T_60MM_S_PA	10333331	11	60	270.5	269.1	
KUS3120-11T_90MM_S_PA	10334703	11	90			

H-Style 3180 Sprockets

Square Bore

KU3180-9T_60MM_S_PA_H	10328851	9	90	223	218.9	42
KU3180-10T_60MM_S_PA_H	10328845	10	60	246	244.1	
KU3180-11T_60MM_S_PA_H	10328839	11	90	270	269.1	

H-Style 3120 Sprocket

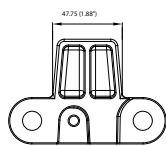
Square Bore

KU3120-8T_60MM_S_PA_H-HUB	10334885	8	60	199.1	193.5	65
KU3120-9T_60MM_S_PA_H-HUB	10363526	9	60	222.8	218.9	
KU3120-10T_60MM_S_PA_H-HUB	10383669	10	60	246.6	244.1	
KU3120-11T_60MM_S_PA_H-HUB	10328782	11	60	270.5	269.1	

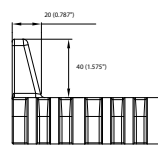
Other bores sizes (square and round) and number of teeth are available on request. Smallest possible sprocket has 8 teeth. Stainless steel sprockets available upon request.



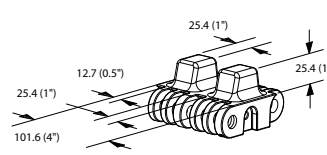
Din style sideguard 3120



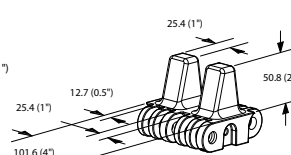
H40 dimensions



Din style pusher 3120



T1 dimensions



T2 dimensions