

Food processors require conveying systems that are tailored to the unique needs of the industry and individual applications.

Too often, conveyor belt manufacturers develop products that serve a variety of industries, forcing food processors to make small compromises that could affect operations and product quality. With these challenges in mind, Rexnord created the 590 Series KleanTop™ belt. Unlike similar belts on the market, the 590 Series was designed for the food industry, offering the optimal combination of ease in cleaning, transfer capability, and belt strength.

Superior Industry Performance

Given the combination of features and benefits, the Rexnord 590 Series KleanTop provides superior performance in food conveying applications for the following food processors:

- Baking
- Snack Food
- Fruit and Vegetable
- Seafood
- Poultry



Conveyor equipped with Rexnord 595 Series KleanTop Belt.

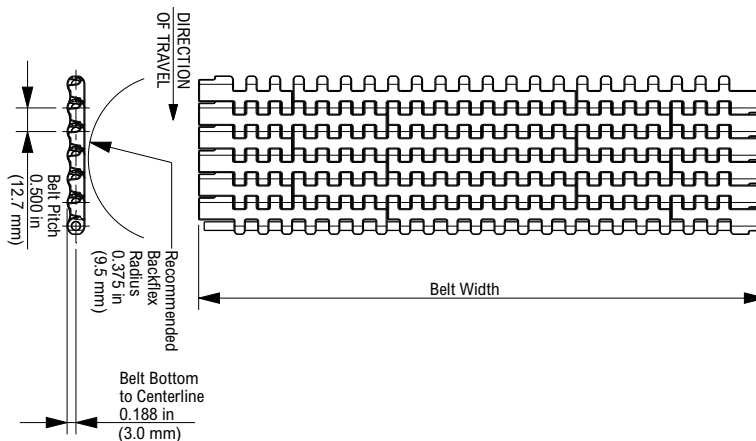
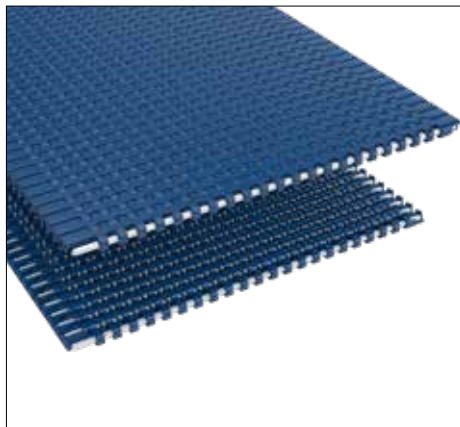
Product Information

- Plastic modular belt available in minimum width of four inches and increments of a half-inch.
- Flush grid version available with 25 percent open area.
- Machined sprockets available in 18- and 24- and 36-teeth execution in both single piece (KU) and split (KUS) designs.
- Available in FDA- and EC-approved white and blue materials for visual contrast and identification.



Conveyor equipped with Rexnord 596 Series KleanTop Belt.

Flat Top



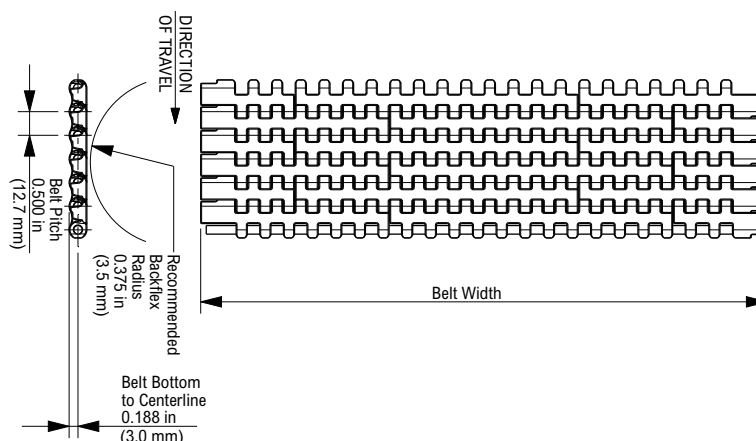
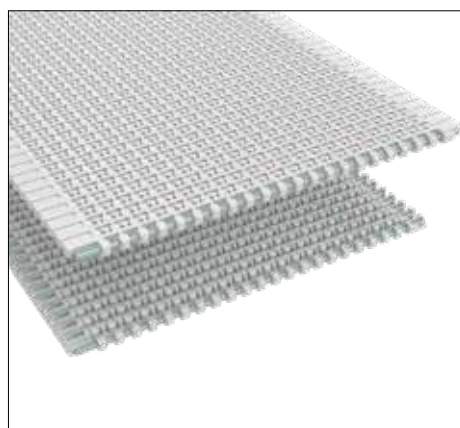
Rexnord 590 Series KleanTop Chain Overview

Chain Type	Material	Standard Pin Material	Working Load (max)	Weight	Backflex Radius (min)	Temperature Range °C	
			lbs/ft / N/m	lbs/ft / kg/m		Dry	Wet
SMB595-XXIN	SMB (Blue)	PBT	1.100 / 16.048	1.59 / 7.76	0.375 / 9.5	-40 / 82	-40 / 66
WHT595-XXIN	WHT (White)	PBT	700 / 10.213	1.02 / 4.98		4 / 104	4 / 100
BHT595-XXIN	BHT (Blue)	PBT	700 / 10.213	1.02 / 4.98		4 / 104	4 / 100

General information:

- Plastic modular belt available in minimum width of four inches and increments of a half-inch
- (A) Nominal standard width of the (imperial) Rexnord 590 MatTop Chain is 4 IN and available with increments of 0.5IN

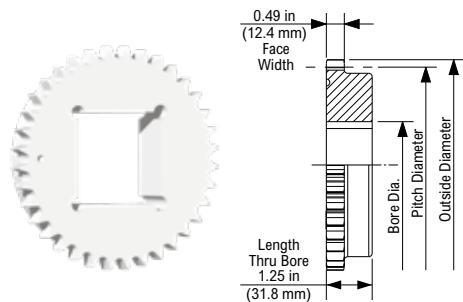
Flush Grid



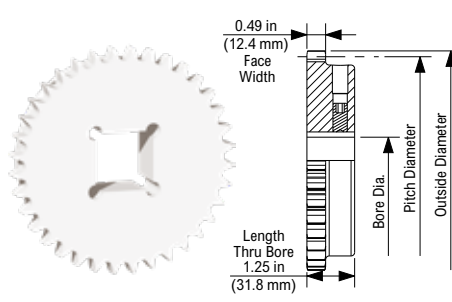
Rexnord 596 Series KleanTop Chain Material Overview

Chain Type	Material	Standard Pin Material	Working Load (max)	Weight	Backflex Radius (min)	Temperature Range °C	
			lbs/ft / N/m	lbs/ft / kg/m		Dry	Wet
SMB596-XXIN	SMB (Blue)	PBT	900 / 13.130	1.48 / 7.23	0.375 / 9.5	-40 / 82	-40 / 66
WHT596-XXIN	WHT (White)	PBT	500 / 7295	0.95 / 4.64		4 / 104	4 / 100
BHT596-XXIN	BHT (Blue)	PBT	500 / 7295	0.95 / 4.64		4 / 104	4 / 100

KU590 Thermoplastic Sprocket



KUS590 Thermoplastic Split Sprocket



KU590 Thermoplastic Sprocket Information

Number of Teeth		Pitch Diameter		Outside Diameter		Bore Diameter (Shaft-Ready)								Bore Diameter (Idler)				Approximate Weight	
						Round				Square									
						in		mm		in		mm		in		mm			
actual	effect	in	mm	in	mm	min	max	min	max	min	max	min	max	min	max	min	max	lbs	kg
19T	19T	3.0	77.2	3.0	76.7	1	1-7/16	25	35	1	1-1/2	25	38	1	1-3/4	25	45	0.18	0.08
24T	24T	3.8	97.3	3.8	97.2	1	1-3/4	25	45	1	1-19/32	25	40	1	2	25	50	0.34	0.16
28T	28T	4.5	113.4	4.5	113.9	1	2-1/4	25	55	1	2-1/4	25	55	1	3	25	76	0.54	0.24
36T	36T	5.7	145.7	5.8	146.4	1	3	25	75	1	3	25	75	1	4	25	102	1.00	0.45

KUS590 Thermoplastic Split Sprocket Information

Number of Teeth		Pitch Diameter		Outside Diameter		Bore Diameter (Shaft-Ready)								Bore Diameter (Round)				Approximate Weight	
						Round				Square									
						in		mm		in		mm		in		mm			
actual	effect	in	mm	in	mm	min	max	min	max	min	max	min	max	min	max	min	max	lbs	kg
36T	36T	5.7	145.7	5.8	146.4	1	2-3/4	25.0	70.0	1	2-1/2	25.0	60.0	1	2-3/4	25.0	70.0	1.05	0.47