



# Rexnord 3180 Series MatTop Chain

## AUTOMOTIVE SOLUTION BREAKTHROUGH

The Rexnord 3180 MatTop® Series Chain offers a maintenance free chain system widely used in automotive and heavy-duty industrial applications. The 3180 Series Chain offers high strength and stiffness. These attributes provide continuously smooth operation under heavily loaded conditions.

### AUTOMOTIVE

Automotive plants benefit from the 3180 Series Chain thanks to trouble-free operation, increased safety and a lower TCO (Total-Cost-of-Ownership).

### SKID HANDLING

The 3180 Series Chain is designed for 3.1-inch (81mm) skid conveyors. The 3180 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. An example would be; buffer systems between the paint shop and the assembly department.

### EASY TECHNOLOGY CONVERSION

The 3180 Series 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

Rexnord 3180 MatTop Series Chains offer a reliable and smooth operation in combination with Rexnord's MatTop chain advantages:

- 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
- Chain damage can be repaired by replacing a single link at a time



3185 Series SolidTop Chain



3185 Series RubberTop Chain



OUR INNOVATION MOVES

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### 3180 Series RubberTop

#### Energy Saving

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

#### Drive

The 3180 Series Chain is driven by Rexnord's proven sprocket design offering a standard double row tooth (H-style) configuration. In highly loaded applications, the chain can be driven by an optional triple row tooth sprocket.

#### Reliable Handling

Optional high-friction RubberTop surface ensures positive SKID position at all times during start-stop or indexing operations.

#### Performance

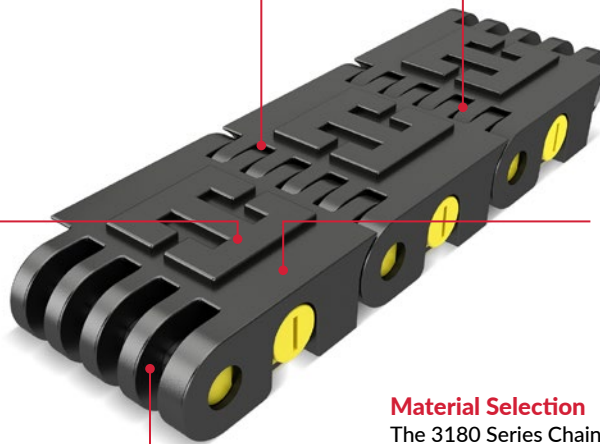
Performance can be tailored to applications using either Rexnord's smooth SolidTop or high-friction RubberTop surface.

#### Smooth Operation

The narrow hinge design and large pin diameter result in high chain stiffness creating smooth chain operation under all load conditions.

#### Material Selection

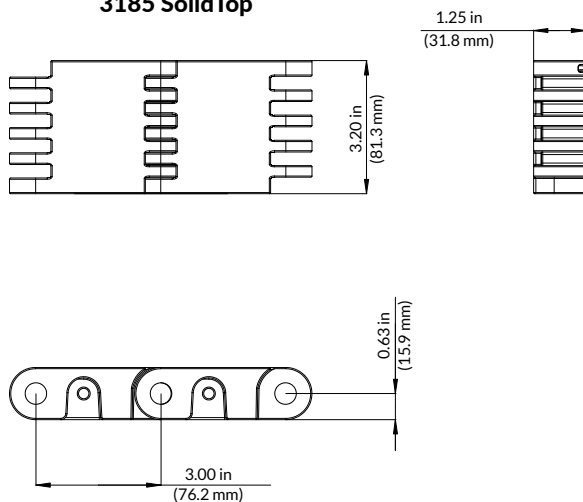
The 3180 Series Chain is available in wear resistant polyacetal (BSM) or high capacity antistatic polyacetal (HCAS). HCAS is combining strength with superior anti-static properties (surface resistivity  $10^{11} - 10^{13}$  Ohm/sq). Both materials are resistant to fluids commonly used in the automotive industry.



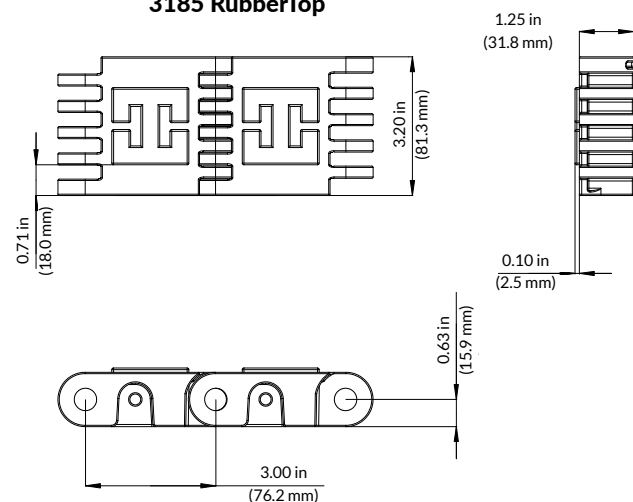
Chain Type	Code Number	Working Load (max)	Weight	Back-flex Radius (min)
		lbs / N	lbs/ft kg/m	in / mm
BSM3185-K3,2 MTW	I3185BSMK3,2	2102 / 9350	5.67 / 2.57	3.00 / 76.2
HCAS3185-K3,2 MTW	I3185HCASK3,2	1790 / 7950	5.67 / 2.57	3.00 / 76.2
BSM3185RT-K3,2 MTW	819.95.25	2102 / 9350	5.78 / 2.62	3.00 / 76.2

Sprocket Type	Code Number	Pitch Circle Diameter	Bore Size	Hub Width
		in / mm	in / mm	in / mm
KU3180 T08 S60	890.65.59	7.839 / 199	2.36 x 2.36 / 60 x 60	1.65 / 42
KU3180 T09 S60	890.66.59	8.771 / 223	2.36 x 2.36 / 60 x 60	1.65 / 42
KU3180 T10 S60	890.67.59	9.708 / 246	2.36 x 2.36 / 60 x 60	1.65 / 42
KU3180 T11 S60	890.68.59	10.648 / 270	2.36 x 2.36 / 60 x 60	1.65 / 42

#### 3185 SolidTop



#### 3185 RubberTop



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