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

Please contact your Rexnord Representative with any questions:

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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.

**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.

### 3180 Series MatTop Chain

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

### 3185 SolidTop

<table>
<thead>
<tr>
<th>Sprocket Type</th>
<th>Code Number</th>
<th>Pitch Circle Diameter</th>
<th>Bore Size</th>
<th>Hub Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>KU3180 T08 S60</td>
<td>890.65.59</td>
<td>7.83 / 199</td>
<td>2.36 x 2.36 / 60 x 60</td>
<td>1.65 / 42</td>
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<tr>
<td>KU3180 T09 S60</td>
<td>890.66.59</td>
<td>8.77 / 223</td>
<td>2.36 x 2.36 / 60 x 60</td>
<td>1.65 / 42</td>
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<tr>
<td>KU3180 T10 S60</td>
<td>890.67.59</td>
<td>9.70 / 246</td>
<td>2.36 x 2.36 / 60 x 60</td>
<td>1.65 / 42</td>
</tr>
<tr>
<td>KU3180 T11 S60</td>
<td>890.68.59</td>
<td>10.64 / 270</td>
<td>2.36 x 2.36 / 60 x 60</td>
<td>1.65 / 42</td>
</tr>
</tbody>
</table>

### 3185 RubberTop

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3185 SolidTop

3185 RubberTop