Autogard Torque Limiter XG Series Overview

Autogard Torque Limiter
XG Series
Twin screw extruders and compounding machines require the very best torque overload protection. The Rexnord® Autogard® XG Series offers features with the specific aim of protecting extruders from damage caused by unexpected torque spikes.

Features:
- Instantaneous separation of damaging inertias over a pre-set torque level
- Free running after torque overload
- Manual reset without the need of special tooling or replacement parts
- Easy to adjust torque setting on-site, and possible to tamper-proof the setting
- Fast and easy to disconnect motor and gearbox by removing the Wrapflex® element for machine maintenance
- Drop-out options available on every size
- Disengagement sensors available

XG Series: Size 1 & 2

Type M
- Shortest possible overall length

Type R
- Allows for large motor shaft sizes
- Drop-out the torque limiting coupling without moving motor or gearbox

Order format: Model & Size - Type / S1 bore / S2 bore / Spring qty / Torque setting
For example: XG1-M / S1-1.375 / S2-2.625 / 8 / 2000

Order format: Model & Size - Type / S2 bore / S3 bore / Spring qty / Torque setting
For example: XG1-R / S3-2.000 / S2-2.625 / 8 / 2000

<table>
<thead>
<tr>
<th>Size</th>
<th>Torque range (lb-in)</th>
<th>S1 Bore max</th>
<th>S2 Bore max</th>
<th>S3 Bore max</th>
<th>Max. speed</th>
<th>Type M Weight</th>
<th>Type M Inertia</th>
<th>Type R Weight</th>
<th>Type R Inertia</th>
<th>Wrapflex Coupling Size</th>
<th>Max. Misalignment</th>
</tr>
</thead>
<tbody>
<tr>
<td>S2 Springs</td>
<td>4 Springs</td>
<td>8 Springs</td>
<td>12 Springs</td>
<td>in</td>
<td>in</td>
<td>in</td>
<td>rpm</td>
<td>lb</td>
<td>lb-in²</td>
<td>lb</td>
<td>lb-in²</td>
</tr>
<tr>
<td>1</td>
<td>354 - 708</td>
<td>708 - 1420</td>
<td>1420 - 2920</td>
<td>2120 - 4430</td>
<td>1.75</td>
<td>2.875</td>
<td>2.375</td>
<td>4500</td>
<td>26.5</td>
<td>68.3</td>
<td>35.5</td>
</tr>
<tr>
<td>2</td>
<td>1420 - 2830</td>
<td>2830 - 5660</td>
<td>5660 - 10600</td>
<td>8500 - 15900</td>
<td>2.5</td>
<td>4.125</td>
<td>3.375</td>
<td>3000</td>
<td>82.0</td>
<td>513</td>
<td>110</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size</th>
<th>ø AA</th>
<th>ø A</th>
<th>ø B</th>
<th>ø C</th>
<th>ø D</th>
<th>L1</th>
<th>M1</th>
<th>P1</th>
<th>ø E</th>
<th>ø F</th>
<th>L2</th>
<th>M2</th>
<th>P2</th>
<th>N</th>
<th>G</th>
<th>X - Stroke on trip</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1</td>
<td>6.02</td>
<td>5.77</td>
<td>4.13</td>
<td>4.72</td>
<td>4.49</td>
<td>8.26</td>
<td>4.13</td>
<td>1.88</td>
<td>5.08</td>
<td>3.39</td>
<td>10.9</td>
<td>3.93</td>
<td>1.88</td>
<td>5.08</td>
<td>3.39</td>
<td>10.9</td>
</tr>
<tr>
<td>S2</td>
<td>9.41</td>
<td>9.09</td>
<td>7.01</td>
<td>6.46</td>
<td>6.46</td>
<td>11</td>
<td>5.43</td>
<td>2.55</td>
<td>6.54</td>
<td>4.84</td>
<td>15.6</td>
<td>3.74</td>
<td>8.85</td>
<td>2.99</td>
<td>0.197</td>
<td>0.193 - 0.256</td>
</tr>
</tbody>
</table>

Unless otherwise specified, bores will be manufactured with H7 tolerances

Weight and inertia values are for unbored torque limiters
XG Series: Size 3 & 4

- Drop-out the torque limiting coupling without moving motor or gearbox
- Low maintenance - Torque limiting modules sealed for life

Order format: Model & Size / S1 bore / S2 bore / Spring range / Torque setting
For example: XG4 / S1-3.5 / S2-5.5 / HRT / 48000

<table>
<thead>
<tr>
<th>Size</th>
<th>Low Range Torque</th>
<th>High Range Torque</th>
<th>S1 Bore max</th>
<th>S2 Bore max</th>
<th>Module</th>
<th>Max Speed</th>
<th>Weight</th>
<th>Inertia</th>
<th>Max. Misalignment</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>lb-in</td>
<td>lb-in</td>
<td>in</td>
<td>in</td>
<td>Qty</td>
<td>rpm</td>
<td>lb</td>
<td>lb-in²</td>
<td>Axial</td>
</tr>
<tr>
<td>3</td>
<td>4070 - 15500</td>
<td>6370 - 31000</td>
<td>3.313</td>
<td>5.25</td>
<td>2</td>
<td>2500</td>
<td>158</td>
<td>1570</td>
<td>0.02</td>
</tr>
<tr>
<td>4</td>
<td>7610 - 30500</td>
<td>15300 - 61100</td>
<td>3.875</td>
<td>6.125</td>
<td>3</td>
<td>2100</td>
<td>262</td>
<td>3760</td>
<td>0.02</td>
</tr>
</tbody>
</table>

Unless otherwise specified, bores will be manufactured with H7 tolerances

Weight and inertia values are for unbored torque limiters
Why Choose Rexnord?

When it comes to providing highly engineered products that improve productivity and efficiency for industrial applications worldwide, Rexnord is the most reliable in the industry. Commitment to customer satisfaction and superior value extend across every business function.

Delivering Lowest Total Cost of Ownership
The highest quality products are designed to help prevent equipment downtime and increase productivity and dependable operation.

Valuable Expertise
An extensive product offering is accompanied by global sales specialists, customer service and maintenance support teams, available anytime.

Solutions to Enhance Ease of Doing Business
Commitment to operational excellence ensures the right products at the right place at the right time.

Rexnord Company Overview
Rexnord is a growth-oriented, multi-platform industrial company with leading market shares and highly trusted brands that serve a diverse array of global end markets.

Process & Motion Control
The Rexnord Process & Motion Control platform designs, manufactures, markets and services specified, highly engineered mechanical components used within complex systems where our customers’ reliability requirements and the cost of failure or downtime are extremely high.

Water Management
The Rexnord Water Management platform designs, procures, manufactures and markets products that provide and enhance water quality, safety, flow control and conservation.