

# Autogard Torque Limiter XG Series



# XG Series - The Mechanical Fuse for Extruders

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

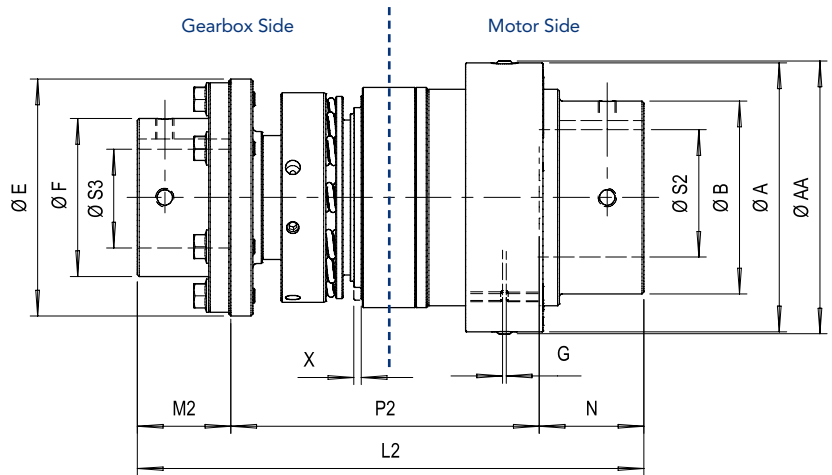
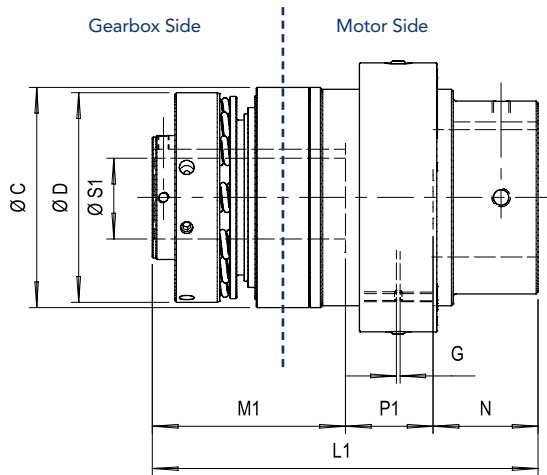
- Shortest possible overall length

### 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



Size	Torque range (lb-in)				S1 <sup>①</sup> Bore max in	S2 <sup>①</sup> Bore max in	S3 <sup>①</sup> Bore max in	Max. speed rpm	Type M		Type R		Wrapflex Coupling Size	Max. Misalignment		
	2 Springs	4 Springs	8 Springs	12 Springs					Weight <sup>②</sup> lb	Inertia <sup>②</sup> lb-in <sup>2</sup>	Weight <sup>②</sup> lb	Inertia <sup>②</sup> lb-in <sup>2</sup>		Axial ±in	Parallel in	Angular degrees
1	354 - 708	708 - 1420	1420 - 2920	2120 - 4430	1.75	2.875	2.375	4500	26.5	68.3	35.5	88.8	30R	0.01	0.08	1
2	1420 - 2830	2830 - 5660	5660 - 10600	8500 - 15900	2.5	4.125	3.375	3000	82.0	513	110	649	50R	0.02	0.08	1

Size				Type M					Type R					N	G	X - Stroke on trip
	ø AA	ø A	ø B	ø C	ø D	L1	M1	P1	ø E	ø F	L2	M2	P2			
1	6.02	5.77	4.13	4.72	4.49	8.26	4.13	1.88	5.08	3.39	10.9	2.01	6.61	2.24	0.079	0.142 - 0.185
2	9.41	9.09	7.01	6.46	6.46	11	5.43	2.55	6.54	4.84	15.6	3.74	8.85	2.99	0.197	0.193 - 0.256

① Unless otherwise specified, bores will be manufactured with H7 tolerances

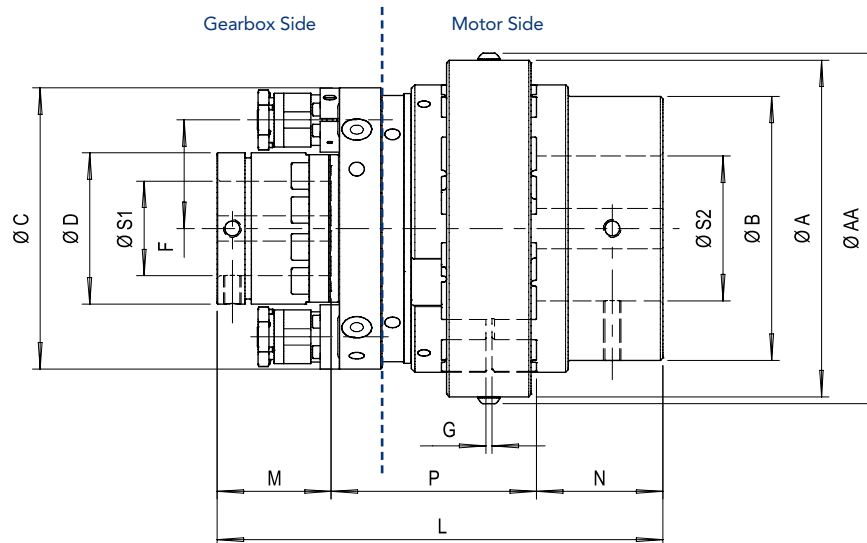
② Weight and inertia values are for unbored torque limiters



## 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



Size	Low Range Torque	High Range Torque	S1 Bore max ①	S2 Bore max ①	Module	Max Speed	Weight ②	Inertia ②	Wrapflex Coupling Size	Max. Misalignment		
										lb-in	lb-in	in
3	4070 - 15500	6370 - 31000	3.313	5.25	2	2500	158	1570	60R	0.02	0.08	1
4	7610 - 30500	15300 - 61100	3.875	6.125	3	2100	262	3760	70R	0.02	0.08	1

Size	ø AA	ø A	ø B	ø C	ø D	F	L	M	N	P	G
	in	in	in	in	in	in	in	in	in	in	in
3	10.9	10.5	8.27	9.17	4.72	3.39	13.9	3.54	3.94	6.42	0.20
4	12.6	12.2	9.88	10.9	5.91	4.45	16.1	3.94	4.72	7.40	0.20

① Unless otherwise specified, bores will be manufactured with H7 tolerances  
 ② Weight and inertia values are for unbored torque limiters



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## 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

## 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.