



OUR INNOVATION MOVES

# Autogard Torque Limiter – XG Series

METRIC



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# 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

Order format: Model & Size – Type / S1 bore / S2 bore / Spring qty / Torque setting

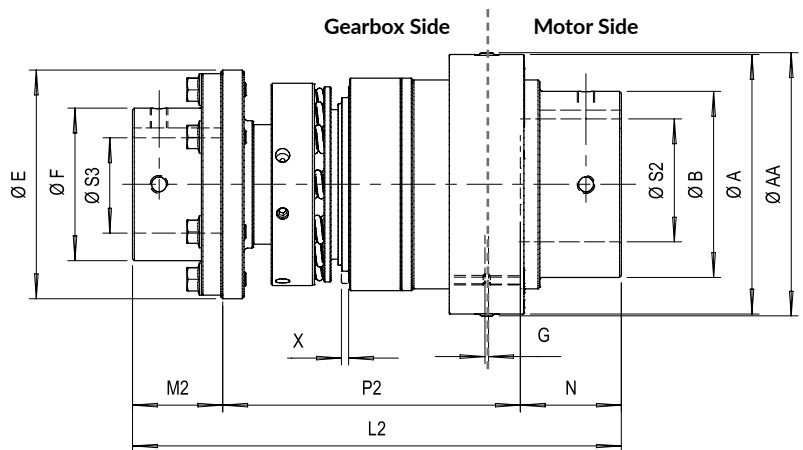
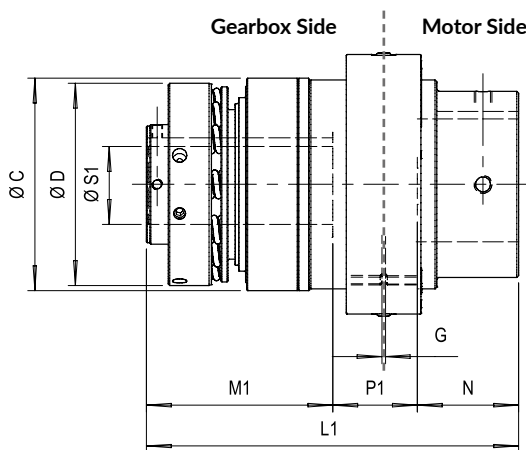
For example: XG1-M / S1-40 / S2-55 / 8 / 250

### Type R

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

Order format: Model & Size - Type / S2 bore / S3 bore / Spring qty / Torque setting

For example: XG1-R / S3-55 / S2-55 / 8 / 250



Size	Torque range (Nm)				S1 <sup>①</sup> Bore max	S2 <sup>①</sup> Bore max	S3 <sup>①</sup> Bore max	Max. speed	Type M		Type R		Wrapflex Coupling Size	Max. Misalignment		
	2 Springs	4 Springs	8 Springs	12 Springs					Mass <sup>②</sup>	Inertia <sup>②</sup>	Mass <sup>②</sup>	Inertia <sup>②</sup>		Axial	Parallel	Angular
	mm	mm	mm	mm					kg	kg m <sup>2</sup>	kg	kg m <sup>2</sup>		±mm	in	degrees
1	40 - 80	80 - 160	160 - 330	240 - 500	45	65	61	4500	12.0	0.020	16.1	0.026	30R	0.2	2	1
2	160 - 320	320 - 640	640 - 1200	960 - 1800	65	105	90	3000	37.2	0.15	50.0	0.19	50R	0.5	2	1

Size	ø AA	ø A	ø B	Type M					Type R					N	G	X - Stroke on trip
				ø C	ø D	L1	M1	P1	ø E	ø F	L2	M2	P2			
				mm	mm	mm	mm	mm	mm	mm	mm	mm	mm			
1	153	146.5	105	120	114	209.8	105	47.8	129	86	275.8	51	167.8	57	2	3.6 - 4.7
2	239	231	178	164	164	278.8	138	64.8	166	123	395.8	95	224.8	76	5	4.9 - 6.5

① Unless otherwise specified, bores will be manufactured with H7 tolerances and keyways will be normal fit as per BS-4235-1

② Mass and inertia values are for unbored torque limiters

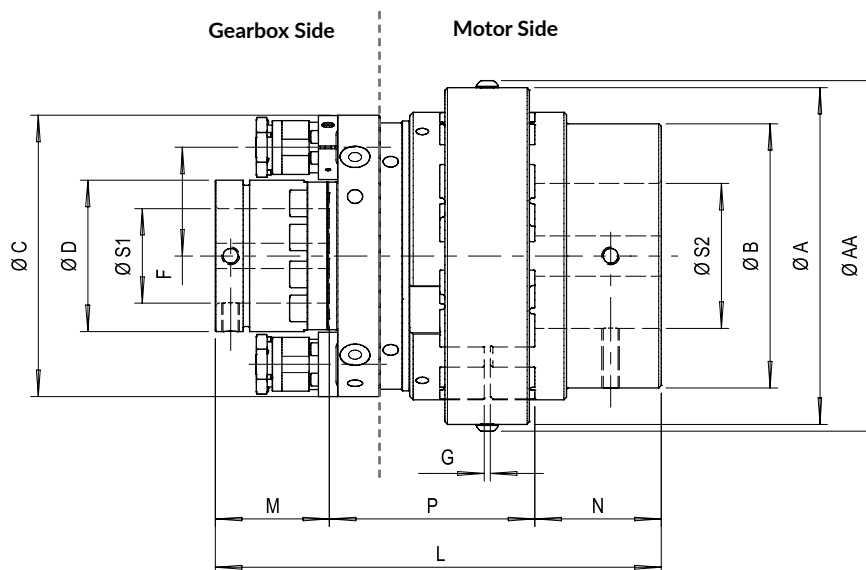


## » XG Series: Size 3 & 4

- 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 / S1-90 / S2-140 / HRT / 5800



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		
										Axial ±mm	Parallel mm	Angular degrees
3	460 - 1750	720 - 3500	85	135	2	2500	71.6	0.46	60R	0.5	2	1
4	860 - 3450	1725 - 6900	100	160	3	2100	119	1.1	70R	0.5	2	1

Size	ø AA	ø A	ø B	ø C	ø D	F	L	M	N	P	G
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
3	278	267	210	233	120	86	353	90	100	163	5
4	321	310	251	277	150	113	408	100	120	188	5

① Unless otherwise specified, bores will be manufactured with H7 tolerances and keyways will be normal fit as per BS-4235-1

② Mass and inertia values are for unbored torque limiters



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