

Autogard Torque Limiter – XG Series

METRIC



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



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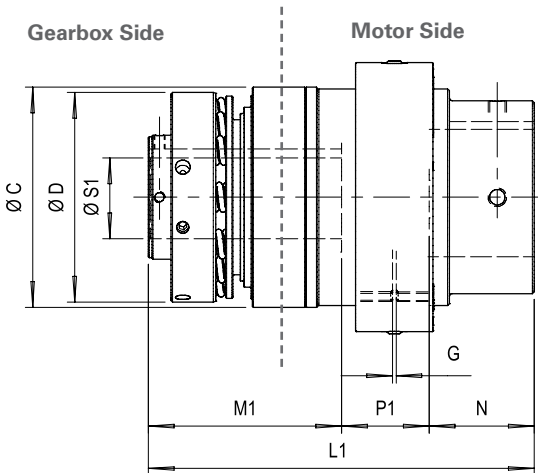
XG SERIES: SIZE 1 & 2

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

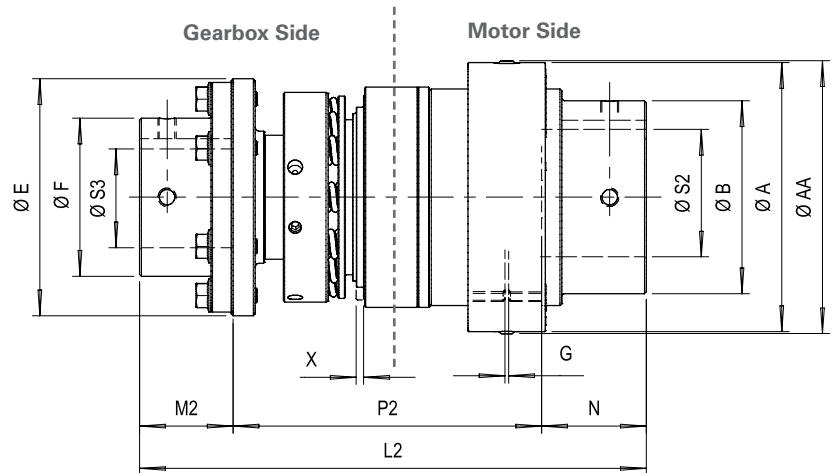


Type R

- 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 ① Bore max mm	S2 ① Bore max mm	S3 ① Bore max mm	Max. speed rpm	Type M		Type R		Wrapflex Coupling Size	Max. Misalignment		
	2 Springs	4 Springs	8 Springs	12 Springs					Weight ② kg	Inertia ② kg m ²	Weight ② kg	Inertia ② kg m ²		Axial ± mm	Parallel in	Angular 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 mm	ø A mm	ø B mm	Type M					Type R					N mm	G mm	X - Stroke on trip mm
				ø C mm	ø D mm	L1 mm	M1 mm	P1 mm	ø E mm	ø F mm	L2 mm	M2 mm	P2 mm			
				1	153	146.5	105	120	114	209.8	105	47.8	129			
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



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