

ROBUST AND DURABLE

REXNORD AUTOGARD XG SERIES TORQUE LIMITER

**FAST AND
SIMPLE
OPERATION**

REXNORD

**FULLY BORED
AND TORQUE-SET
COUPLING READY
TO SHIP IN 2-4
WEEKS**

Rexnord's Autogard Torque Limiters lead the industry in overload protection with proven reliability, dependable expertise and a broad range of options that offer bi-directional protection, lower total cost of ownership, increased accuracy of torque limitation, and longer life at high speeds.

The most recent update to the Rexnord Autogard Torque Limiter range— the XG Series —provides their best ever protection from unexpected torque spikes for extruders.

Designed to disengage the driving motor from the extruder gearbox in the event of a process jam, the XG Series was developed based on over 30 years of industry experience in conjunction with leading machine builders and users.

Able to instantaneously separate damaging inertias over a pre-set level and featuring easy-to-adjust torque setting, drop-out options, simple manual disconnection and disengagement sensors, the XG Series is the mechanical fuse for extruders.

Product Highlights:

- Instantaneous disconnect
- Free wheels when disconnected
- Simple manual process to reset
- Optimised to allow smaller torque limiter to be selected
- Possible to tamper-proof the setting
- Combined with the Wrapflex® flexible element
- Drop-out options available on each size
- Disengagement sensors available

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**LONGER
LIFE AT
HIGH
SPEEDS**

Applications

The Rexnord Autogard XG Series is aimed at twin screw extruder OEMs and users. It has been designed based on input from several machine builders from around the world.

Twin screw extruders are categorised into food and industrial.

Food extruders are used to make breakfast cereals, potato snacks, pasta and more besides.

Industrial extruders are mostly used to mix components to make specific plastics ahead of further processing; and to make powder coating paint.

Material is fed into a chamber containing the two co-rotating or counter-rotating screws where it is moved, mixed, kneaded, heated or cooled as it travels along the length of the chamber.

Upon exiting the extruder the output material can be pushed through a shaped die and cut to make a finished product if required.

The screws of the extruder are easily damaged during the extrusion process if the viscosity of the material thickens and torque exerted on them increases.

To clean out the screws or take them out for repair is a lengthy task and the process up-time of extruders is highly valued.

To protect the equipment and maintain up-time a torque limiter is usually positioned between the motor and gearbox.

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