Rexnord Autogard 820 Series Remote-Reset Torque Limiter Frequently Asked Questions
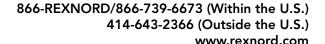
Rexnord Autogard 820 Series Remote-Reset Torque Limiter

Frequently Asked Questions

Questions	Answers
What is a torque limiting device?	Torque limiting devices provide torque overload protection on drives that are susceptible to jams and crashes. These include applications such as steel manufacturing and mining.
How does it work?	Torque overloads can be caused by a drive fault or a system jam. In such an occurrence, the limiting device will then disengage or "trip," separating the inertias in the drive, and preventing damage to both the driven and driving components. Normal operation can continue once the torque limiting device has been reset.
What is the Remote-Reset (RR) feature?	Manually resetting a toque limiting device can be costly with downtime and resources. The Remote-Reset function (patent-pending) on our Autogard® 820 Series Torque Limiter allows plant personnel to remotely reset their drive and get back to work. This can be completed quickly without the necessity to be near the torque limiter, reducing downtime and removing the need to have personnel on site. This could be accomplished by the flip of a switch, push of a button, or click of a mouse, for example.
How long does an Autogard 820 Series RR Torque Limiter take to reset?	Equipment is normally operational after just a few minutes. Downtime is now limited to deceleration and re-acceleration of the motor.
Are special tools required?	No. The Remote-Reset feature is activated by a low-speed motor control and a pneumatic supply with a pressure range of 60 to 120 Psi (0.4 to 0.8MPa).

Questions	Answers
Does this feature replace the standard Autogard 820 Series Torque Limiter manual reset?	No. This is an add-on feature for applications where manual reset is detrimental to uptime. For applications where the torque limiter is easily accessible for manual reset, the standard Autogard 820 Series will continue to be the primary low-cost selection.
Can I add the Remote-Reset function to my installed Autogard 820 Series Torque Limiter?	Yes. The Remote-Reset actuator can be retrofitted to existing Autogard 820 Series Torque Limiters by replacing the standard "S1" hub with a larger hub fitted with the Remote-Reset actuator.
What are some of the typical, most common applications for the Remote-Reset feature?	The Autogard 820 Series RR Torque Limiter is ideal for industries such as aggregates, automotive, energy, food, mining, metal processing, and pulp & paper. They add value to applications containing conveyors, crushers, extruders, mill drives, mixers, and roll drives, especially those in hard-to-reach areas of the customer facility.
What components make up an Autogard 820 Series RR Torque Limiter?	The Autogard Series 820 RR Torque Limiter is comprised of a flexible element, center section, torque limiting modules, a rigid hub, and a Remote-Reset actuator.
What speeds are supported with this feature?	Up to 2,400 rpm.
What is the typical torque capacity?	Standard units have maximum torque settings ranging from 7,612 to 215,958 in-lbs (860 to 24,400 Nm). For higher torque capacities, please contact Rexnord.
What are the standard shaft sizes?	Maximum bore sizes range from 3.50 to 5.50 inches (90 to 170 millimeters). For larger bore sizes, please contact Rexnord.
I have a different Autogard torque limiter series, can I add the Remote-Reset feature to my torque limiter?	No. Other Autogard Torque Limiter models, such as our 400 Series Torque Limiter, have alternative solutions such as an auto-reset or reverse-to-reset and can be activated remotely.
Does the Autogard 820 Series Remote-Reset (RR) Torque Limiter comply with ATEX certification?	No. ATEX certification is currently not supported with the Autogard 820 Series torque limiters; however, our Autogard 400 Series Torque Limiters are available with this certification.
How was Remote-Reset proven and tested?	Rexnord engineers dedicated 250 hours of research, engineering, and testing for this patent-pending design.
Does this feature have a warranty?	Yes. All Rexnord Autogard products ship with a standard 12-month warranty.
How does the Remote-Reset feature help my business increase uptime?	Manual resets can consume several hours of downtime due to removal of coupling guards and machine covers, as well as locking out and electronically isolating equipment. With the Autogard 820 Series RR Torque Limiters feature, customers will save hours of labor any time the torque limiting devices need to be reset, bringing your lines back into operation in a matter of minutes.
How can I order?	Contact us at 1-866-REXNORD/866-739-6673 (within the U.S.) or contact your local Rexnord Account Executive.

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.