



Key Industries:

Aggregates
Automotive
Food
Energy
Metal Processing
Mining
Pulp & Paper

Key Applications:

- Conveyors
- Crushers
- Extruders
- Mill drives
- Mixers
- Roll drives

Autogard 820 Series Remote-Reset Torque Limiter

Introducing Remote-Reset feature on the dependable Autogard 820 Series.

The Rexnord® Autogard® 820 Series Torque Limiter is designed for high-torque applications in heavy-duty industries, including energy, metal processing, mining & aggregates, automotive, food processing, and pulp & paper, to help protect equipment during shock loads, overloads and jams. Providing full disengagement on overload, torque limiting "modules" are positioned at a large radius to accommodate high-disengaging torques.

The popular Autogard 820 Series Torque Limiter is now available with the option to Remote-Reset, an option that is perfect for applications where the control center and the equipment are a considerable distance apart, or where the Autogard Torque Limiter is positioned behind complex guards and covers. From its disengaged position, the Autogard 820 Series Remote-Reset Torque (RR) Limiter can be reset in seconds using pneumatic controls without the need to physically approach the unit.

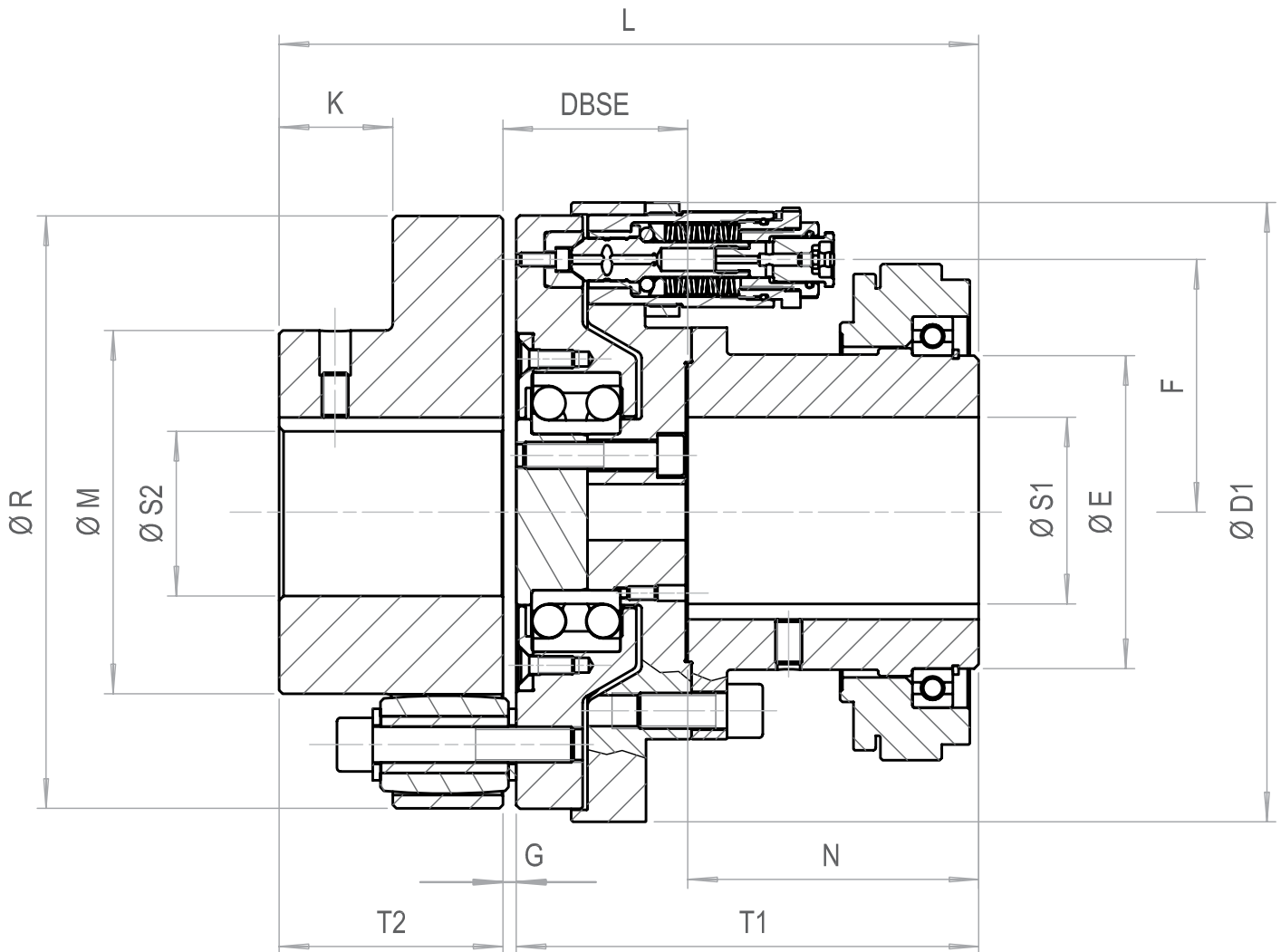
This new feature is a breakthrough in mechanical devices that support high-torque applications. The Remote-Reset feature is also available as a retrofit upgrade to existing Autogard 820 Series Torque Limiter installations.

Features and benefits:

- Reset your Autogard Torque Limiter remotely, saving time on removing covers/guards or attending a remote location
- Accurate and consistent torque setting, providing reliable and repeatable torque overload protection
- Instant and complete disengagement of the driving and driven inertias



Autogard 820 Series RR Torque Limiter dimensional drawings



| Size | Torque | | Max. speed rpm | S1 (max) mm | S2 (max) mm | DBSE mm | D1 mm | E mm | F mm | G mm | K mm | L mm | M mm | N mm | R mm | T1 mm | T2 mm | Mass kg | Mass moment of Inertia MR ² kgm ³ |
|--------|--------|--------|-------------------|-------------------|-------------------|------------|----------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|------------|---|
| | Min | Max | | | | | | | | | | | | | | | | | |
| | Nm | Nm | | | | | | | | | | | | | | | | | |
| 820-2H | 1,725 | 6,900 | 2,400 | 90 | 115 | 83.0 | 277.0 | 140.0 | 113.0 | 6.0 | 50.8 | 313.0 | 162.5 | 130.0 | 265.0 | 207.0 | 100.0 | 86 | 0.554 |
| 820-3H | 2,825 | 11,300 | 2,150 | 110 | 130 | 93.4 | 329.0 | 170.0 | 139.0 | 7.0 | 60.0 | 359.0 | 188.5 | 146.0 | 314.0 | 232.0 | 120.0 | 146 | 1.29 |
| 820-4H | 6,100 | 24,400 | 1,800 | 140 | 170 | 114.8 | 409.0 | 220.0 | 166.0 | 7.0 | 89.9 | 453.0 | 248.0 | 188.0 | 375.0 | 296.0 | 150.0 | 276 | 3.83 |

To control the reset of the Autogard Torque Limiter a pneumatic supply with a pressure range of 0.4 to 0.8 MPa (60-120 Psi) is required.