

DAM GATES

SERIES 600 BRAKING SYSTEMS

PROBLEM

The Pont Barrage de Monsin combination dam and bridge spans the Muese River in Liege, Belgium. The dam's hydroelectric power plant generates up to 18 MW of electricity. Six 27 m wide, 110 ton steel gates, are utilized to control the river's flow. As part of a major refurbishment approved in 2018, two of the six gates were updated along with their associated mechanical drive components located in three of the dam's lifting towers. Four complete mechanical packages, each including a gearmotor, brakes, disc, torque limiter and coupling were required for the upgrade.

SOLUTION

Based on years of successful collaboration with Regal Rexnord brands, the project's mechanical contractor contacted Stromag for a reliable service braking solution. Upon review of the braking torque requirements, Stromag recommended Model 660 fail-safe spring set, electromagnetically released caliper brakes. Each brake provides 45 kNm (332 lb.ft.) of torque. Stromag AC64-50CP electrical power units were also provided.

These compact units are designed to support two disc brake calipers and feature IP66-rated enclosures. 175 mm dia. brake discs were also supplied.



HIGHLIGHTS

- Model 660 fail-safe spring set, electromagnetically released caliper brakes
- 45 kNm (332 lb.ft.) torque rating
- C64-50CP electrical power units with IP66-rated enclosures
- 175 mm dia. brake discs

Regal Rexnord

Hansastraße 120
59423 Unna - Germany
+49 2303 102-0
customercare.eu@regalrexnord.com
stromag.com | regalrexnord.com

The proper selection and application of products and components, including assuring that the product is safe for its intended use, are the responsibility of the customer. To view our Application Considerations, please visit <https://www.regalrexnord.com/Application-Considerations>. To view our Standard Terms and Conditions of Sale, please visit <https://www.regalrexnord.com/Terms-and-Conditions-of-Sale>.

"Regal Rexnord" is not indicative of legal entity. Refer to product purchase documentation for the applicable legal entity. Regal Rexnord and Stromag are trademarks of Regal Rexnord Corporation or one of its affiliated companies.
© 2026 Regal Rexnord Corporation, All Rights Reserved.
MCCSS-P-7800-SG-EN-US 02/26



Stromag™